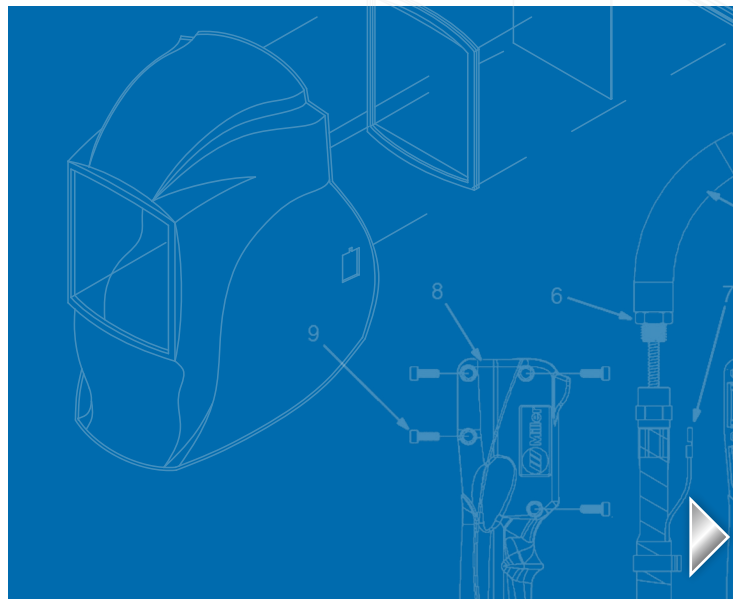




# ACCESSORIES AND CONSUMABLES CATALOG

[MILLERWELDS.COM](http://MILLERWELDS.COM)

# 2025 ACCESSORIES AND CONSUMABLES CATALOG

## SERIAL NUMBER REFERENCE

The letters of the serial numbers are very significant. Please supply the letters along with the numbers.

| Yr/Month  | Serial #  | Style # | Yr/Month  | Serial # | Style # |
|-----------|-----------|---------|-----------|----------|---------|
| 1968/Jan. | T-436102  | T1      | 1997/Jan. | KH300251 | KH01    |
| 1968/July | T-452888  | T6      | 1997/July | KH438994 | KH26    |
| 1969/Jan. | U-472600  | U1      | 1998/July | KJ000100 | KJ01    |
| 1969/July | U-493984  | U6      | 1998/July | KJ165696 | KH26    |
| 1970/Jan. | W-517910  | W1      | 1999/Jan. | KK000100 | KK01    |
| 1970/July | 70-539663 | 70-6    | 1999/July | KK173909 | KK26    |
| 1971/Jan. | 71-559155 | 71-1    | 2000/Jan. | LA000200 | LA01    |
| 1971/July | 71-581468 | 71-6    | 2000/July | LA210095 | LA27    |
| 1972/Jan. | 72-604096 | 72-1    | 2001/Jan. | LB000200 | LB01    |
| 1972/July | 72-626994 | 72-6    | 2001/July | LB195125 | LB26    |
| 1973/Jan. | HD655498  | HD1     | 2002/Jan. | LC000201 | LC01    |
| 1973/July | HD689465  | HD6     | 2002/July | LC230270 | LC26    |
| 1974/Jan. | HE730188  | HE1     | 2003/Jan. | LC361720 | LD01    |
| 1974/July | HE778187  | HE6     | 2003/July | LC528002 | LD26    |
| 1975/Jan. | HF821067  | HF1     | 2004/Jan. | LE020006 | LE02    |
| 1975/July | HF860240  | HF6     | 2004/July | LE260001 | LE26    |
| 1976/Jan. | HG000500  | HG1     | 2005/Jan. | LF010001 | LF01    |
| 1976/July | HG044257  | HG6     | 2005/July | LF260001 | LF26    |
| 1977/Jan. | HH000500  | HH1     | 2006/Jan. | LG010001 | LG01    |
| 1977/July | HH050101  | HH6     | 2006/July | LG260001 | LG26    |
| 1978/Jan. | HJ106001  | HJ1     | 2007/Jan. | LH010001 | LH01    |
| 1978/July | HJ169391  | HJ6     | 2007/July | LH260001 | LH26    |
| 1979/Jan. | HK220001  | HK1     | 2008/Jan. | LJ010001 | LJ01    |
| 1979/July | HK286000  | HK27    | 2008/July | LJ260001 | LJ26    |
| 1980/Jan. | JA356001  | JA1     | 2009/Jan. | LK010001 | LK01    |
| 1980/July | JA410000  | JA28    | 2009/July | LK260001 | LK26    |
| 1981/Jan. | JB465001  | JB1     | 2010/Jan. | MA010001 | MA01    |
| 1981/July | JB522459  | JB26    | 2010/July | MA260001 | MA26    |
| 1982/Jan. | JC585001  | JC1     | 2011/Jan. | MB010001 | MB01    |
| 1982/July | JC626075  | JC26    | 2011/July | MB260001 | MB26    |
| 1983/Jan. | JD660001  | JD1     | 2012/Jan. | MC010001 | MC01    |
| 1983/July | JD688500  | JD26    | 2012/July | MC027001 | MC27    |
| 1984/Jan. | JE732465  | JE1     | 2013/Jan. | MD010001 | MD01    |
| 1984/July | JE783729  | JE27    | 2013/July | MD270001 | MD27    |
| 1985/Jan. | JF835606  | JF1     | 2014/Jan. | ME010001 | ME01    |
| 1985/July | JF905000  | JF26    | 2014/July | ME270001 | ME27    |
| 1986/Jan. | JG000500  | JG1     | 2015/Jan. | MF010001 | MF01    |
| 1986/July | JG071437  | JG26    | 2015/July | MF270001 | MF27    |
| 1987/Jan. | JH146311  | JH16    | 2016/Jan. | MG010001 | MG01    |
| 1987/July | JH229162  | JH41    | 2016/July | MG280001 | MG28    |
| 1988/Jan. | JJ319663  | JJ15    | 2017/Jan. | MH010001 | MH01    |
| 1988/July | JJ413787  | JJ41    | 2017/July | MH270001 | MH27    |
| 1989/Jan. | JK529151  | JK15    | 2018/Jan. | MJ010001 | MJ01    |
| 1989/July | JK636569  | JK41    | 2018/July | MJ270001 | MJ27    |
| 1990/Jan. | KA737051  | KA15    | 2019/Jan. | MK010001 | MK01    |
| 1990/July | KA824820  | KA41    | 2019/July | MK270001 | MK01    |
| 1991/Jan. | KB000500  | KB15    | 2020/Jan. | NA010001 | NA01    |
| 1991/July | KB089898  | KB41    | 2020/July | NA270001 | NA27    |
| 1992/Jan. | KC170500  | KC15    | 2021/Jan. | NB010001 | NB01    |
| 1992/July | KC262180  | KC41    | 2021/July | NB260001 | NB26    |
| 1993/Jan. | KD341750  | KD15    | 2022/Jan. | NC010001 | NC01    |
| 1993/July | KD449472  | KD41    | 2022/July | NC260001 | NC26    |
| 1994/Jan. | KE550001  | KE01    | 2023/Jan. | ND010001 | ND01    |
| 1994/July | KE668695  | KE26    | 2023/July | ND260001 | ND26    |
| 1995/Jan. | KF780420  | KF01    | 2024/Jan. | NE010001 | NE01    |
| 1995/July | KF923923  | KF26    | 2024/July | NE260001 | NE26    |
| 1996/Jan. | KG041900  | KG01    | 2025/Jan. | NF010001 | NF01    |
| 1996/July | KG173969  | KG26    | 2025/July | NF260001 | NF26    |

Some serial numbers starting in 2003 have a letter at the end of the serial number designating which equipment category the machine belongs to.

Serial number example:

**LG360937P**    **LG** = 2006  
                  **36** = Week 36  
                  **0937** = Item 937  
                  **P** = Equipment category







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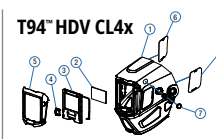
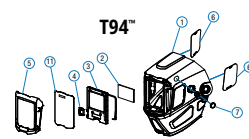
# WELDING PROTECTION

## T94™ Series 4 Sensors

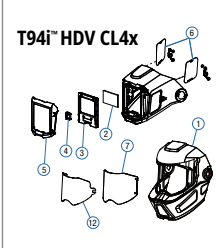
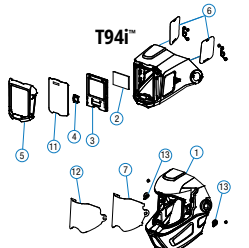
| Item # | Description                                         | T94™   | T94i™  | T94™ HDV CL4x | T94i™ HDV CL4x | T94i™ XL HDV |
|--------|-----------------------------------------------------|--------|--------|---------------|----------------|--------------|
| 1      | Helmet Shell (QR)                                   | 258864 | 258854 | 288761        | 288762         | 287771       |
| 2      | Lens Cover, Inside 4-3/16 in x 2-1/2 in (5 Per Pkg) | 216327 | 216327 | 216327        | 216327         | —            |
|        | Lens Cover, Inside 4-3/4 in x 3-1/8 in (5 Per Pkg)  | —      | —      | —             | —              | 287777       |
| 3      | Lens Assembly, ADF T94 HDV CL4x                     | —      | —      | 296791        | —              | —            |
|        | Lens Assembly, ADF T94i™ HDV CL4x                   | —      | —      | —             | 296792         | —            |
|        | Lens Assembly, ADF T94i™ XL HDV CL4x                | —      | —      | —             | —              | 287768       |
|        | Lens Assembly, with cable                           | 260557 | —      | —             | —              | —            |
|        | Lens Assembly, without cable                        | —      | 259572 | —             | —              | —            |
| 4      | Tray, Battery                                       | 259574 | 259574 | 259574        | 259574         | 259574       |
|        | Battery, Lithium (CR2450)                           | 217043 | 217043 | 217043        | 217043         | 217043       |
| 5      | Lens Cover Assembly, Front HDV (5 Per Pkg)          | —      | —      | 287016        | 287016         | 287016       |
|        | Lens Holder, Front                                  | 265309 | 265309 | —             | —              | —            |
| 6      | Side Windows                                        | 288042 | 288042 | 288042        | 288042         | 288042       |
|        | Covers, Side Window                                 | 260197 | 260197 | 260197        | 260197         | 260197       |
| 7      | Button, Grind Mode                                  | 256179 | —      | 256179        | —              | —            |
|        | HDV Grinding Shield, T94i™/T94i™ XL                 | —      | —      | —             | 288765         | 288765       |
|        | Lens Tear-Off, Grind Shield                         | —      | —      | —             | 258853         | 258853       |
|        | Spring, Torsional                                   | —      | —      | —             | 284548         | 284548       |
|        | Lens, Grinding Shield (Clear)                       | —      | 258979 | —             | —              | —            |
| 8      | Headgear, Gray                                      | 260486 | 260486 | 260486        | 260486         | 260486       |
| 9      | Kit, Headgear Adjust Angle                          | 265891 | 265891 | 265891        | 265891         | 265891       |
| 10     | Headband, Fabric                                    | 770249 | 770249 | 770249        | 770249         | 770249       |
| 11     | Adapter, Magnification Lens                         | —      | —      | —             | —              | 290209       |
|        | Lens Cover, Front                                   | 265304 | 265304 | —             | —              | —            |
| 12     | Shield, Grinding Tear Away                          | —      | 258853 | —             | 258853         | 258853       |
| 13     | Clip, Retaining Grinding Shield                     | —      | 245819 | —             | —              | —            |



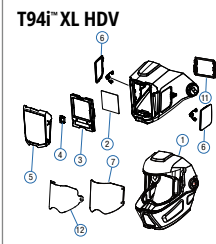
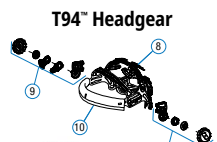
T94™  
260482  
21 oz.



T94i™  
260483  
26 oz.



T94™ HDV CL4x  
296791  
21.1 oz.



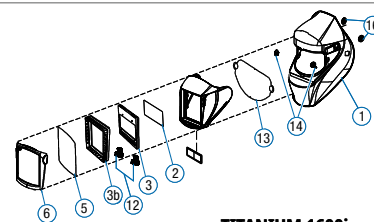
T94i™ HDV CL4x  
296792  
26 oz.



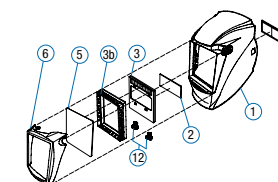
T94i™ XL HDV  
287768  
28 oz.

## Titanium Series™ 4 Sensors

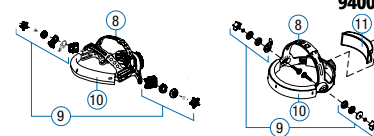
| Item # | Description                                              | TITANIUM 1600™ | TITANIUM 1600i™ | TITANIUM 7300™ |            | TITANIUM 9400™ |            | TITANIUM 9400i™ |            |
|--------|----------------------------------------------------------|----------------|-----------------|----------------|------------|----------------|------------|-----------------|------------|
|        |                                                          |                |                 | ANALOG         | DIGITAL    | ANALOG         | DIGITAL    | ANALOG          | DIGITAL    |
| 1      | Helmet Shell, Titanium (QR)                              | 243530         | 245820          | 243530         | 258601     | 243530         | 258601     | 245820          | 245820     |
| 2      | Inside Lens Cover (5 1/4 x 4 1/2 in) (5-Pkg)             | 235628         | 235628          | —              | —          | —              | —          | —               | —          |
|        | Inside Lens Cover (4 1/4 x 2 in) (5-Pkg)                 | —              | —               | 770237         | 770237     | —              | —          | —               | —          |
|        | Inside Lens Cover (4 1/4 x 2 1/2 in) (5-Pkg)             | —              | —               | —              | —          | 216327         | 216327     | 216327          | 216327     |
| 3      | Auto-Darkening Lens Assembly                             | —              | —               | 245816         | 256358     | 256360         | 256359     | 245817          | 256360     |
| 3b     | Gasket, Lens Assembly (QR)                               | 245813         | 245813          | 245814         | 241977     | 241977         | 241977     | 241977          | 241977     |
| 5      | Front Lens Cover (4 11/16 x 5 5/8 in) (5-Pkg)            | 216326         | 216326          | 216326         | 216326     | 216326         | 216326     | 216326          | 216326     |
| 6      | Front Lens Holder, Titanium                              | 243396         | 245815          | 243396         | 243396     | 243396         | 243396     | 245815          | 245815     |
| 8      | Ratchet Headgear Assembly (Includes #9 & #10)            | 770246         | 770246          | 770246         | 256174     | 770246         | 256174     | 770246          | 256174     |
| 9      | Adjustment Angle/Stop Hardware Kit                       | 770248         | 770248          | 770248         | 256178     | 770248         | 256178     | 770248          | 256178     |
| 10     | Fabric Headband                                          | 770249         | 770249          | 770249         | 770249     | 770249         | 770249     | 770249          | 770249     |
|        | Replacement O-Rings For Kits 258178 & 770248 (5 Per Pkg) | 079975         | 079975          | 079975         | 079975     | 079975         | 079975     | 079975          | 079975     |
| 11     | Comfort Cushion                                          | 216336         | 216336          | 216336         | —          | 216336         | —          | 216336          | —          |
| 12     | Battery Tray, Kit (Left/Right)                           | —              | —               | 232027         | 216339     | 216339         | 216339     | 216339          | 216339     |
|        | Battery, Lithium CR2450 (Not Shown)                      | —              | —               | 217043         | 217043 (2) | 217043 (2)     | 217043 (2) | 217043 (2)      | 217043 (2) |
| 13     | Lens, Grinding Shield (Clear)                            | —              | 245818          | —              | —          | —              | —          | 245818          | 245818     |
| 14     | Clips, Retaining Grinding Shield                         | —              | 245819          | —              | —          | —              | —          | 245819          | 245819     |
| 15     | Button, Replacement External Grind                       | —              | —               | —              | 256179     | —              | 256179     | —               | —          |
| 16     | Clips, Visor Hinge (I-Series Shell)                      | —              | 255070          | —              | —          | —              | —          | 255070          | 255070     |
| 17     | Lens Tear-Off, Grind Shield (Clear) (Not Shown)          | —              | 254278          | —              | —          | —              | —          | 254278          | 254278     |
| 18     | Kit, Weld Shield Hinge                                   | —              | 269929          | —              | —          | —              | —          | 269929          | 269929     |



TITANIUM 1600i and  
9400i™



TITANIUM 1600™, 7300 and  
9400™



ALL TITANIUM SERIES™  
MODELS





## Digital Infinity™ Series 4 Sensors

| Item # | Part # | Description                                   | Quantity |
|--------|--------|-----------------------------------------------|----------|
| 1      | 296779 | Helmet Shell, Black Ops                       | 1        |
| 1      | 296786 | Helmet Shell, Black                           | 1        |
| 1      | 296780 | Helmet Shell, Stars & Stripes                 | 1        |
| 1      | 271339 | Helmet Shell, Departed                        | 1        |
| 1      | 296782 | Helmet Shell, Relic                           | 1        |
| 1      | 296784 | Helmet Shell, Imperial                        | 1        |
| 1      | 292934 | Helmet Shell, '22 Custom Kindig-it            | 1        |
| 1      | 296785 | Helmet Shell, Honor                           | 1        |
| 1      | 296776 | Helmet Shell, Outdoorsman                     | 1        |
| 2      | 271319 | Lens Cover, Inside 4-3/4 in x 3-1/4 in        | 1        |
| 3      | 289713 | Lens Assembly, Auto-Darkening                 | 1        |
| 3      | 280077 | ClearLight™ Lens Assembly, Auto-Darkening     | 1        |
| 3      | 289713 | ClearLight™ 2.0 Lens Assembly, Auto-Darkening | 1        |
| 3      | 296775 | ClearLight™ 4x Lens Assembly, Auto-Darkening  | 1        |
| 4      | 271320 | Lens Cover, Front 6 in x 5-5/8 in             | 1        |
| 5      | 271322 | Holder, Front Lens (Black)                    | 1        |
| 5      | 271323 | Holder, Front Lens (Silver)                   | 1        |
| 5      | 271324 | Holder, Front Lens (Camo)                     | 1        |
| 5      | 292028 | Holder, Front Lens (Tan)                      | 1        |
| 5      | 287830 | Holder, Front Lens (Maroon)                   | 1        |
| 5      | 280939 | Holder, Front Lens (White)                    | 1        |
| 6      | 290460 | Headgear, Legacy (Includes)                   | 1        |
| 7      | 256178 | Kit, Adjustment Angle/Stop Hardware           | 1        |
| 8      | 297112 | Sweatband                                     | 1        |
| 9      | 271327 | Tray, Battery (Left/Right) (Infinity)         | 2        |
|        | 217043 | Battery, Lithium (CR2450)                     | 1        |
| 10     | 770250 | Bag, Helmet (Miller Logo)                     | 1        |
| 11     | 271328 | Adapter, Magnification Lens (XI)              | 1        |
| 12     | 212235 | Lens, 0.75 Magnification                      | 1        |
| 12     | 212236 | Lens, 1.00 Magnification                      | 1        |
| 12     | 212237 | Lens, 1.25 Magnification                      | 1        |
| 12     | 212238 | Lens, 1.50 Magnification                      | 1        |
| 12     | 212239 | Lens, 1.75 Magnification                      | 1        |
| 12     | 212240 | Lens, 2.00 Magnification                      | 1        |
| 12     | 212241 | Lens, 2.25 Magnification                      | 1        |
| 12     | 212242 | Lens, 2.50 Magnification                      | 1        |
|        | 222003 | Adapter, Hard Hat                             | 1        |
|        | 259637 | Adapter, Hard Hat, Slotted QR                 | 1        |



**Black**  
296786  
21.4 oz.



**Stars & Stripes™**  
296780  
21.4 oz.



**Imperial™**  
296784  
21.4 oz.



**Black Ops™**  
296779  
21.4 oz.



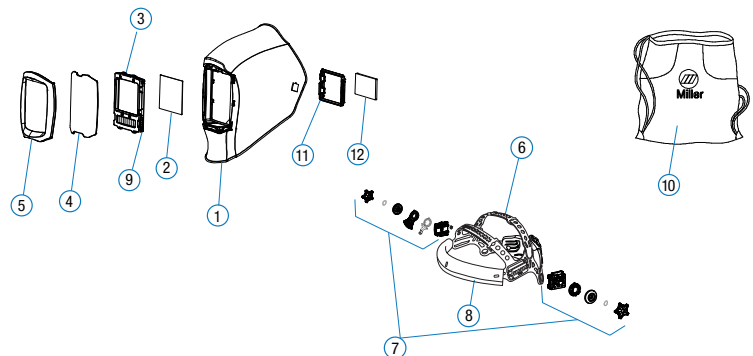
**Relic™**  
296782  
21.4 oz.



**Outdoorsman™**  
296776  
21.4 oz.



**Honor™**  
296785  
21.4 oz.



# WELDING PROTECTION

## Digital Elite™ Series 4 Sensors

| Item # | Description                                              | Elite Analog | Elite Digital | Ext. Grind |
|--------|----------------------------------------------------------|--------------|---------------|------------|
| 1      | Helmet Shell, Black (QR) External Grind                  | —            | —             | 288924     |
|        | Helmet Shell, Black                                      | 296765       | 296765        | —          |
|        | Helmet Shell, Black (QR)                                 | 241976       | 241976        | —          |
|        | Helmet Shell, Stars and Stripes III                      | 296770       | 296770        | —          |
|        | Helmet Shell, Inferno                                    | 296772       | 296772        | —          |
|        | Helmet Shell, Lucky's Speed Shop                         | 296766       | 296766        | —          |
|        | Helmet Shell, Vintage Roadster                           | 296768       | 296768        | —          |
|        | Helmet Shell, Raptor                                     | 296773       | 296773        | —          |
|        | Helmet Shell, Gear Box                                   | 296771       | 296771        | —          |
|        | Helmet Shell, Blue Rage II                               | 296774       | 296774        | —          |
| 2      | Inside Lens Cover (4 1/4 x 2 1/2 in) (5-Pkg)             | 216327       | 216327        | 216327     |
| 3      | Lens Assembly, Digital Elite                             | 216328       | 280056        | 289876     |
|        | ClearLight™ Lens Assembly, Auto-Darkening                | 216328       | 280056        | —          |
|        | ClearLight™ 2.0 Lens Assembly, Auto-Darkening            | —            | 289753        | 289876     |
|        | ClearLight™ 4x Lens Assembly, Auto-Darkening             | —            | 296762        | 296762     |
| 3a     | Gasket, Auto-Darkening Lens Assembly                     | 234758       | 234758        | —          |
| 3b     | Gasket, Lens Assembly (QR)                               | 241977       | 241977        | 241977     |
| 4      | Gasket, Front Lens                                       | 216337       | 216337        | —          |
| 5      | Front Lens Cover (4 11/16 x 5 5/8 in) (5-pkg)            | 216326       | 216326        | 216326     |
| 6      | Front Lens Holder, Black, Flat                           | 241978       | 241978        | 241978     |
| 7      | Lens Holding Frame                                       | 216335       | 234759        | —          |
| 8      | Legacy Headgear (Includes)                               | 770246       | 290460        | —          |
| 9      | Adjustment Angle/Stop Hardware Kit                       | 770248       | 256178        | 256178     |
| 10     | Sweatband                                                | 297112       | 297112        | 297112     |
|        | Replacement O-Rings For Kits 258178 & 770248 (5 Per Pkg) | 079975       | 079975        | 079975     |
| 11     | Comfort Cushion                                          | 216336       | —             | —          |
| 12     | Battery Tray, ClearLight™                                | 216339       | 216339        | 216339     |
|        | Battery, Lithium CR2450 (Not Shown)                      | 217043 (2)   | 217043 (2)    | 217043 (2) |
|        | Battery Tray, ClearLight™ 2.0 and 4x                     | 293968       | 293968        | 293968     |



**Stars and Stripes™ III**  
296770  
18 oz.



**Gear Box™**  
296771  
18 oz.



**Lucky's Speed Shop™**  
296766  
18 oz.



**Vintage Roadster™**  
296768  
18 oz.



**Blue Rage II™**  
296774  
18 oz.



**Raptor™**  
296773  
18 oz.

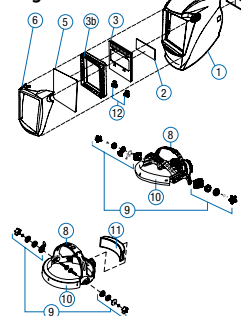


**Black**  
296765  
18 oz.

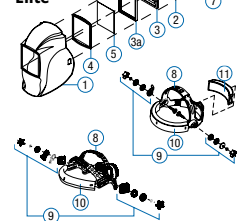


**Inferno™**  
296772  
18 oz.

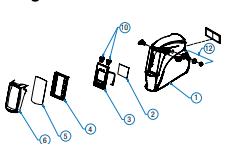
**Elite™ Analog and Digital Elite™ Black**



**Digital Elite™**



**Digital Elite™ External Grind**



## Digital Performance™ Series 3 Sensors

| Item # | Description                                              | Performance Series |            |
|--------|----------------------------------------------------------|--------------------|------------|
|        |                                                          | Analog             | Digital    |
| 1      | Helmet Shell, Black                                      | 296757             | 296757     |
|        | Helmet Shell, Blue Rage                                  | 296753             | 296753     |
|        | Helmet Shell, '64 Custom                                 | 296751             | 296751     |
|        | Helmet Shell, Crusher                                    | 287366             | 287366     |
|        | Helmet Shell, Unity                                      | 296755             | 296755     |
|        | Helmet Shell, Burn & Blossom                             | 296756             | 296756     |
| 2      | Inside Lens Cover (4 1/4 x 2 in) (5-Pkg)                 | 770237             | 770237     |
| 3      | Auto-Darkening Lens Assembly                             | 232026             | 289779     |
|        | ClearLight™ Lens Assembly, Auto-Darkening                | 232026             | 280055     |
|        | ClearLight™ 2.0 Lens Assembly, Auto-Darkening            | —                  | 289779     |
| 4      | Gasket, Front Lens                                       | 232028             | 232028     |
| 5      | Front Lens Cover (4 3/8 x 5 in) (5-Pkg)                  | 231921             | 231921     |
| 6      | Front Lens Holder, Black, Flat                           | 232030             | 232030     |
|        | Front Lens Holder, Gloss Black                           | 232032             | 232032     |
|        | Front Lens Holder, Camouflage                            | 243395             | 243395     |
|        | Front Lens Holder, Light Blue                            | 251278             | 251278     |
|        | Front Lens Holder, White                                 | 257041             | 257041     |
|        | Front Lens Holder, Silver                                | 291515             | 291515     |
|        | Front Lens Holder, Pink                                  | 296761             | 296761     |
| 8      | Legacy Headgear                                          | 770246             | 290460     |
| 9      | Adjustment Angle/Stop Hardware Kit                       | 770248             | 256178     |
| 10     | Sweatband                                                | 297112             | 297112     |
|        | Replacement O-Rings For Kits 258178 & 770248 (5 Per Pkg) | 079975             | 079975     |
| 11     | Comfort Cushion                                          | 216336             | —          |
| 12     | Battery Tray, ClearLight™                                | 232027             | 256730     |
|        | Battery, Lithium CR2450 (Not Shown)                      | 217043             | 217043 (2) |



**Blue Rage™**  
296753  
17 oz.



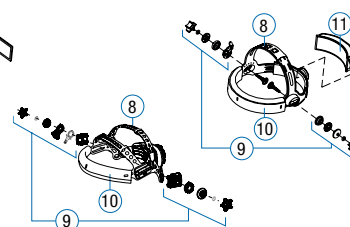
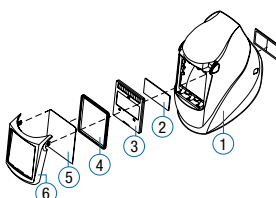
**Unity™**  
296755  
17 oz.



**Black**  
296757  
17 oz.



**Burn & Blossom**  
296756  
17 oz.

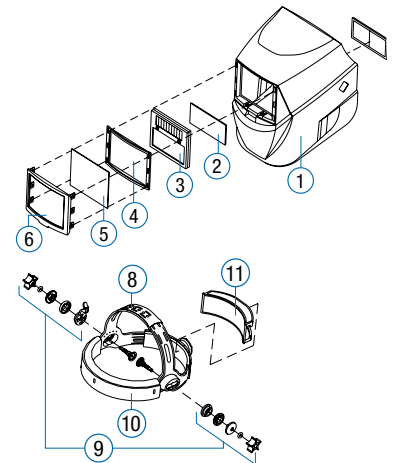






## Digital Pro-Hobby™ Series 2 Sensors

| Item # | Description                                              | Pro-Hobby Series |            |
|--------|----------------------------------------------------------|------------------|------------|
|        |                                                          | ANALOG           | DIGITAL    |
| 1      | Helmet Shell, Black                                      | 231415           | 231415     |
|        | Helmet Shell, Camouflage                                 | 231418           | 231418     |
|        | Helmet Shell, Metalworks                                 | 260087           | 260087     |
| 2      | Inside Lens Cover (4 1/4 x 1 3/4 in) (5-Pkg)             | 231410           | 231410     |
| 3      | Lens Assembly                                            | 231409           | 256467     |
| 4      | Gasket, Front Lens                                       | 231412           | 231412     |
| 5      | Front Lens Cover (4 1/2 x 3 3/4 in) (5-Pkg)              | 231411           | 231411     |
| 6      | Front Lens Holder, Black, Flat                           | 231572           | 231572     |
|        | Front Lens Holder, Gray                                  | 231573           | 231573     |
|        | Front Lens Holder, Red                                   | 231574           | 231574     |
|        | Front Lens Holder, Blue                                  | 231575           | 231575     |
| 6      | Front Lens Holder, Camouflage                            | 231576           | 231576     |
|        | Ratchet Headgear Assembly (Includes #9 & #10)            | 770246           | 284218     |
| 9      | Adjustment Angle/Stop Hardware Kit                       | 770248           | 256178     |
| 10     | Fabric Headband                                          | 770249           | 770249     |
| 10     | Replacement O-Rings For Kits 258178 & 770248 (5 Per Pkg) | 079975           | 079975     |
|        | Comfort Cushion                                          | 216336           | —          |
| 12     | Battery Tray, Kit (Left/Right)                           | —                | 256729     |
| 12     | Battery, Lithium CR2450 (Not Shown)                      | AAA Alkaline     | 217043 (2) |
|        | Battery Cover (Not Shown)                                | 231413           | —          |

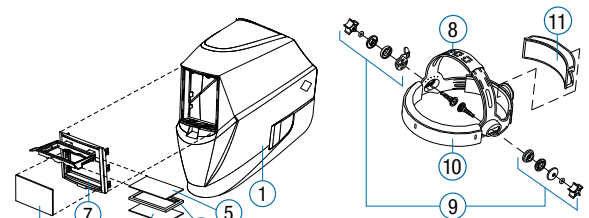


Digital/Analog Pro-Hobby™ Series  
16oz.

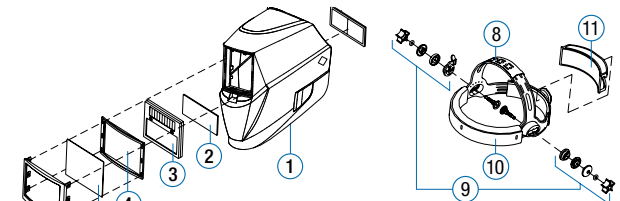
## Classic Series 3-Year Warranty

| Item # | Description                                              | Classic Series |        |        |                |
|--------|----------------------------------------------------------|----------------|--------|--------|----------------|
|        |                                                          | FS#10          | VS™    | VSi™   | FS#10 Flip-Up* |
| 1      | Helmet Shell, Black                                      | 231415         | 231415 | 261824 | 231415         |
|        | Helmet Shell, Stars & Stripes                            | —              | 265707 | —      | —              |
|        | Helmet Shell, Red Flame                                  | —              | 231419 | —      | —              |
|        | Helmet Shell, Metalworks                                 | —              | 260087 | —      | —              |
|        | Helmet Shell, Camouflage                                 | —              | 231418 | —      | —              |
|        | Helmet Shell, Rise                                       | —              | 278770 | —      | —              |
|        | Helmet Shell, Liberty                                    | —              | 287370 | —      | —              |
|        | Helmet Shell, Metal Matrix                               | —              | 288520 | —      | —              |
| 2      | Inside Lens Cover (4 1/4 x 2 in) (5-Pkg)                 | —              | —      | —      | 770237         |
|        | Inside Lens Cover (4 1/4 x 1 3/4 in) (5-Pkg)             | 231410         | 231410 | 231410 | —              |
| 3      | ClearLight™ Lens Assembly, Auto-Darkening                | 231571         | 287806 | 200541 | 287830         |
| 3b     | Gasket, Lens Assembly (QR)                               | —              | —      | 261827 | —              |
| 4      | Gasket, Front Lens                                       | 231412         | 231412 | —      | —              |
| 5      | Front Lens Cover (4 1/4 x 2 in) (5-Pkg)                  | —              | —      | —      | 770237         |
| 6      | Front Lens Cover (4 1/2 x 3 3/4 in) (5-Pkg)              | 231411         | 231411 | —      | —              |
|        | Front Lens Cover (5 1/4 x 4 1/2 in) (5-Pkg)              | —              | —      | 235628 | —              |
|        | Front Lens Holder, Black, Flat                           | 231572         | 231572 | 261828 | —              |
| 7      | Frame, Lens Holding                                      | —              | —      | —      | 261829         |
| 8      | Ratchet Headgear Assembly (Includes #9 & #10)            | 770246         | 770246 | 770246 | 770246         |
| 9      | Adjustment Angle/Stop Hardware Kit                       | 770248         | 770248 | 770248 | 770248         |
| 10     | Fabric Headband                                          | 770249         | 770249 | 770249 | 770249         |
| 10     | Replacement O-Rings For Kits 258178 & 770248 (5 Per Pkg) | 079975         | 079975 | 079975 | 079975         |
|        | Comfort Cushion                                          | 216336         | 216336 | 216336 | 216336         |
| 12     | Battery, Lithium CR2450 (Not Shown)                      | —              | 217043 | 217043 | —              |
| 12     | Battery Cover (Not Shown)                                | —              | 266781 | 266781 | —              |
| 13     | Lens, Grinding Shield (Clear)                            | —              | —      | 245818 | 261830         |
| 14     | Clips, Retaining Grinding Shield                         | —              | —      | 245819 | —              |
| 16     | Clips, Visor Hinge (I-Series Shell)                      | —              | —      | 255070 | —              |
| 17     | Lens Tear-Off, Grind Shield (Clear) (Not Shown)          | —              | —      | 254278 | —              |

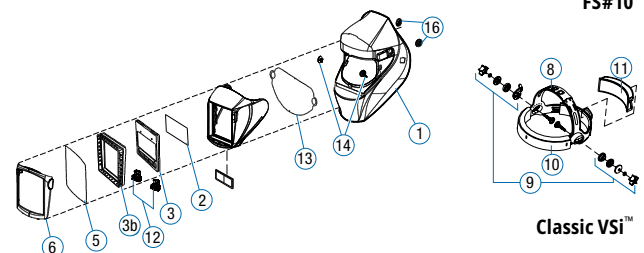
\*Order flip-up separately. VSi Hinge Kit 269929



Classic Series FS#10 Flip-Up



Classic Variable Shade & FS#10



Classic VSi™



FS#10 Flip-Up  
287798  
14 oz.



VSi  
287794  
23 oz.



Black™ (VS)  
287803  
16 oz.



Metalworks™ (VS)  
287810  
16 oz.



Rise™ (VS)  
287815  
16 oz.



Liberty™ (VS)  
287820  
16 oz.



Metal Matrix™  
288519  
16 oz.



Hex™  
291189  
16 oz.

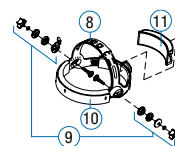
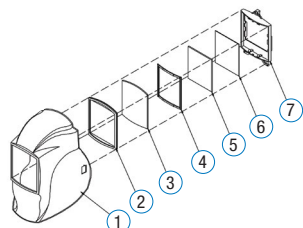
# WELDING PROTECTION

## MP-10™ Series 90-Day Warranty

| Item # | Description                                              | MP-10 Series |
|--------|----------------------------------------------------------|--------------|
| 1      | Helmet Shell, Black                                      | 216331       |
|        | Helmet Shell, Inferno                                    | 223454       |
| 2      | Gasket, Large Lens Cover                                 | 216337       |
| 3      | Front Lens Cover (4 11/16 x 5 5/8 in) (5-Pkg)            | 216326       |
| 4      | Spacer, Lens Holding (MP-10)                             | 235629       |
| 5      | Filter Plate                                             | 235630       |
| 6      | Inside Lens Cover (5 1/4 x 4 1/2 in) (5-Pkg)             | 235628       |
| 7      | Lens Holding Frame                                       | 216335       |
| 8      | Ratchet Headgear Assembly (Includes #9 & #10)            | 770246       |
| 9      | Adjustment Angle/Stop Hardware Kit                       | 770248       |
| 10     | Fabric Headband                                          | 770249       |
|        | Replacement O-Rings For Kits 258178 & 770248 (5 Per Pkg) | 079975       |
| 11     | Comfort Cushion                                          | 216336       |



**Black**  
**238497 (Each)**



**MP-10™**

## Helmet Accessories and Packages



**Legacy Headgear**  
**290460**

Ergonomic design with comfort cushion provides extensive adjustability, stability and enhanced support



**Gen 4 Headgear**  
**260486**

Ergonomic, four-point flexible design provides a secure fit while avoiding major pressure points within the head  
• T94 Series Helmets



**Helmet Hook**  
**251018**

- Holds welding helmets, grinding shields or other helmets with a headgear
- Silicone strap secures the helmet in place



**Top Helmet Cape/  
Helmet Bib**  
**279080/253882**

Attaches to bottom of the helmet with hook-and-loop fasteners for added neck coverage



**Helmet Bag**  
**770250**

- Drawstring closure
- Ultra-soft inside liner
- Exterior storage pouch



**Job Site Tool Bag**  
**228028**

- Over twenty separate pockets
- Opening of 12 x 18.5 inches (305 x 470 mm)
- 12.5 x 14 x 22 (overall dimensions)



**Hard Hat Adapter**  
**213110 (XI and XLI)**  
**265315 (T94 Series)**  
**222003 (Titanium, XLIx, Elite, Performance, ProHobby, Classic and MP-10 Series)**

Compatible with Fibre Metal and MSA hats. Other brands may fit depending on size and shape. Helmet and hat not included.



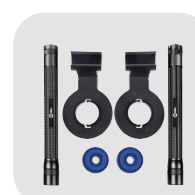
**Slotted Hard Hat Adapter**  
**259637**  
**Slotted Hard Hat Adapter Hardware**  
**284548 / 263369**

Compatible with most slotted hard hats  
Helmet and hard hat not included



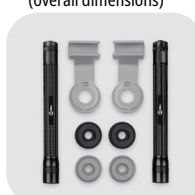
**2x4 Auto-Darkening Lens**  
**Shade 8: 770660**  
**Shade 9 w/ ClearLight™: 287828**  
**Shade 10 w/ ClearLight™: 287830**  
**Shade 11 w/ ClearLight™: 287833**

- Fits all 2x4-inch windows
- Solar powered, two arc sensors
- Light state shade 3
- Two-year warranty



**T94™ Helmet Lighting Kit**  
**281361**

- Designed exclusively for T94™ Series welding helmets



**Helmet Lighting Kit**  
**282013**

- Lighting accessory kit for MP-10™, Classic, Digital Performance™, Digital Elite™ and Digital Infinity™ Series welding helmets

## Lenses

| Bulk Cover Lenses |                                           |          |
|-------------------|-------------------------------------------|----------|
| Part #            | Description                               | Quantity |
| 265304B           | Front Lens Cover, T94                     | 50 pkg.  |
| 287016B           | Front Lens Cover, T94 HDV                 | 50 pkg.  |
| 216326B           | Front: Elite, Titanium, MP-10             | 50 pkg.  |
| 216327B           | Inside: Elite, Titanium, 9400i, T94, T94i | 50 pkg.  |
| 231921B           | Front: Performance                        | 50 pkg.  |
| 770237B           | Inside: Performance                       | 50 pkg.  |
| 231411B           | Front: Pro-Hobby, Classic                 | 50 pkg.  |

| Magnifying Lenses for All Miller Helmets (Lens size is 4 1/4" x 2" x 5/23) |                    |
|----------------------------------------------------------------------------|--------------------|
| Part #                                                                     | Strength           |
| 212235                                                                     | 0.75 Magnification |
| 212236                                                                     | 1.00 Magnification |
| 212237                                                                     | 1.25 Magnification |
| 212238                                                                     | 1.50 Magnification |
| 212239                                                                     | 1.75 Magnification |
| 212240                                                                     | 2.00 Magnification |
| 212241                                                                     | 2.25 Magnification |
| 212242                                                                     | 2.50 Magnification |





## Weld-Mask™

| Item # | Part # | Description                       | Quantity      |
|--------|--------|-----------------------------------|---------------|
|        | 267370 | Weld-Mask™ Unit                   |               |
| 1      | 267422 | Guard, Face                       | 1             |
| 2      | 267420 | Cover, Lens                       | 1 (5 per pkg) |
| 3      | 270053 | Band, Head                        | 1             |
| 4      | 267421 | Cover, Head FR.                   | 1             |
|        | 272116 | Lens Cover Retainer               |               |
|        | 272117 | Cover, Battery                    |               |
|        | 272118 | Cover, Control                    |               |
|        | 272119 | Silicon Eye Skirt                 |               |
|        | 272120 | Retainer Frame, Silicon Eye Skirt |               |
|        | 272131 | Suction Cup, Lens Cover           |               |
|        | 272124 | Magnifying Lens Frame             |               |
|        | 272137 | Anti-Fog Film                     |               |

## Weld-Mask™ with ClearLight™

| Item # | Part #              | Description                      | Quantity |
|--------|---------------------|----------------------------------|----------|
|        | 295917              | Weld-Mask™ Unit with ClearLight™ | 1        |
| 1      | 296265              | Face Guard ADF Goggle CL         | 1        |
|        | 268270              | Warning ADF Goggle-Large         | 1        |
| 2      | 295918              | Lens Cover, ADF Goggle, WM CL    | 1        |
| 3      | 295921              | Eye Skirt, Silicon, WM CL        | 1        |
| 4      | 280273              | Headband, w/ Clip                | 1        |
|        | 295920              | Cover, Control, WM CL            | 1        |
| 5      | 295924              | Film, Anti-Fog, WM CL            | 1        |
| 6      | 285757 <sup>1</sup> | Adapter Kit, Hard Hat            | 1        |
| 7      | 272124              | Frame, Magnifying/RX Lens        | 1        |
| 8      | 281014              | Bag, Carrying                    | 1        |
| 9      | 267421              | Head Cover                       | 1        |

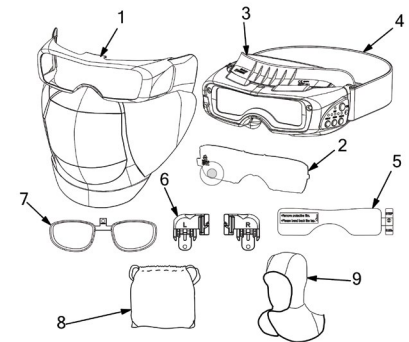
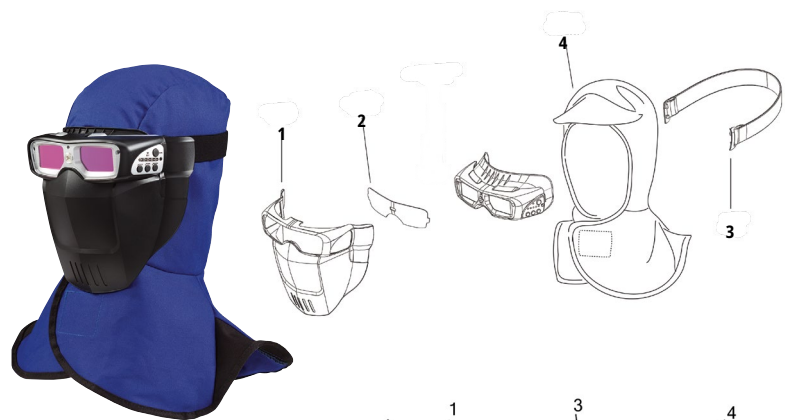
<sup>1</sup>Optional

## Weld-Mask™ 2

| Item # | Part # | Description                    | Quantity      |
|--------|--------|--------------------------------|---------------|
|        | 280982 | Weld-Mask™ 2 Unit              | 1             |
| 1      | 280980 | Guard, Face                    | 1             |
| 2      | 281188 | Light Accessory Kit (optional) | 1             |
| 3      | 280985 | Cover, Lens                    | 1 (5 per pkg) |
| 4      | 280984 | Silicon Eye Skirt              | 1             |
| 5      | 280981 | Band, Head                     | 1             |
| 6      | 280986 | Cover, Anti-Fog Lens           | 1             |
| 7      | 280987 | Magnifying Lens Frame          | 1             |
| 8      | 280983 | Cover, Head FR.                | 1             |
|        | 280988 | Cover, Battery                 | 1             |
|        | 285787 | Hard Hat Adaptor               | 1             |
|        | 281014 | Replacement Bag                | 1             |

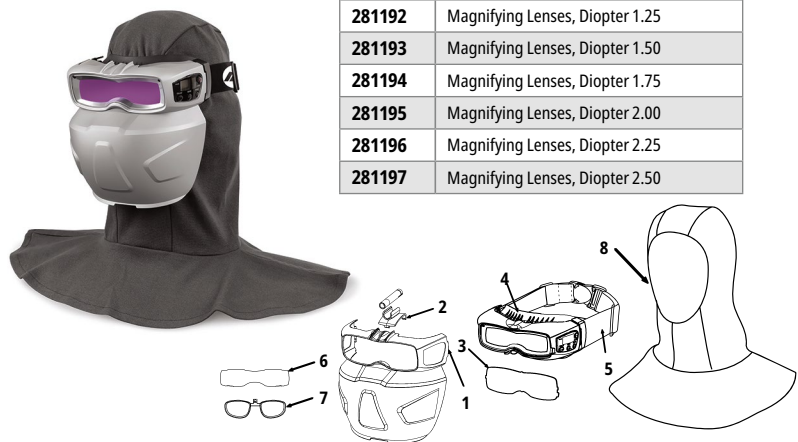
## Face Shield

| Item # | Part # | Description                            | Quantity |
|--------|--------|----------------------------------------|----------|
| 1      | 288269 | Face Shield with Clear Lens            | 1        |
| 2      | 288274 | Face Shield with Clear + Anti-Fog Lens | 1        |
| 3      | 288270 | Face Shield with Shade 3 Lens          | 1        |
| 4      | 288273 | Face Shield with Shade 5 Lens          | 1        |
| 5      | 288275 | Clear Replacement Lens                 | 1        |
| 6      | 288278 | Clear + Anti-Fog Replacement Lens      | 1        |
| 7      | 288276 | Shade 3 Replacement Lens               | 1        |
| 8      | 288277 | Shade 5 Replacement Lens               | 1        |
| 9      | 288280 | Headgear and Crown                     | 1        |



### Weld-Mask™ Lens Options

| Part # | Description                     |
|--------|---------------------------------|
| 281190 | Magnifying Lenses, Diopter .75  |
| 281191 | Magnifying Lenses, Diopter 1.00 |
| 281192 | Magnifying Lenses, Diopter 1.25 |
| 281193 | Magnifying Lenses, Diopter 1.50 |
| 281194 | Magnifying Lenses, Diopter 1.75 |
| 281195 | Magnifying Lenses, Diopter 2.00 |
| 281196 | Magnifying Lenses, Diopter 2.25 |
| 281197 | Magnifying Lenses, Diopter 2.50 |



## Titanium Series PAPR I Service Parts/Consumables

|    | Description                                             | PAPR w/<br>Titanium<br>9400™ | PAPR w/<br>Titanium 9400<br>(New<br>Headgear) | PAPR w/<br>Titanium<br>9400i™ | PAPR w/<br>Titanium 9400i<br>(New Headgear) | PAPR w/<br>Hard Hat                                       |
|----|---------------------------------------------------------|------------------------------|-----------------------------------------------|-------------------------------|---------------------------------------------|-----------------------------------------------------------|
|    | <b>PAPR (Complete System w/ Helmet)</b>                 | 247533<br>262615*            | 264879***                                     | 247531                        | 264877                                      | 259385<br>(w/9400 Helmet)<br>261659**<br>(w/9400i Helmet) |
|    | <b>PAPR (Complete System w/out Auto-Darkening Lens)</b> | 247534<br>262616*            | 264882                                        | 247532                        | 264878                                      | —                                                         |
|    | <b>PAPR (Complete System w/out Helmet)</b>              | —                            | —                                             | —                             | —                                           | 259386                                                    |
| 1  | Helmet Assembly (Shell, Headgear and Headseal)          | 245217<br>262623*            | 264883                                        | 247471                        | 264884                                      | —                                                         |
|    | Helmet Assembly (Hard Hat, Headgear and Headseal)       | —                            | —                                             | —                             | —                                           | 259387                                                    |
| 2  | Headgear (Includes:)                                    | 223430                       | 256174                                        | 247472                        | 256174                                      | —                                                         |
|    | Fabric Headband                                         | 770249                       | 770249                                        | 770249                        | 770249                                      | —                                                         |
| 3  | Adjustment angle/stop hardware kit (w/O-rings)          | 770248                       | 256178                                        | 770248                        | 256178                                      | —                                                         |
|    | Replacement O-rings for kit 770248 (5 pack)             | 079975                       | —                                             | 079975                        | —                                           | —                                                         |
| 4  | Headgear (Hard Hat)                                     | —                            | —                                             | —                             | —                                           | 259388                                                    |
| 5  | Head Seal                                               | 247470                       | 265629                                        | 247473                        | 265628                                      | 259389 (w/<br>goggles)<br>243396 (9400)<br>245815 (9400i) |
| 6  | Lens holder, Front                                      | 243396                       | 243369                                        | 245815                        | 245815                                      | 243396 (9400)<br>245815 (9400i)                           |
| 7  | Outside Cover Lens (4-11/16 x 5-5/8)                    | 216326                       | 216326                                        | 216326                        | 216326                                      | 216326                                                    |
| 8  | Frame/Gasket, ADF lens holding                          | 241977                       | 241977                                        | 241977                        | 241977                                      | 241977                                                    |
| 9  | Auto-Darkening Lens Assembly (Titanium) (Infotrak)      | 256360<br>256359*            | 256359*                                       | 256360                        | 256360                                      | 256359*                                                   |
| 10 | Battery tray kit (left/right)                           | 216339                       | 216339                                        | 216339                        | 216339                                      | 216339                                                    |
|    | Battery, Lens (Lithium CR2450)                          | 217043 (2)                   | 217043 (2)                                    | 217043 (2)                    | 217043 (2)                                  | 217043 (2)                                                |
| 11 | Inside Cover Lens (4-1/4 x 2-1/2) (5 pack)              | 216327                       | 216327                                        | 216327                        | 216327                                      | 216327                                                    |
| 12 | Lens, Grinding Shield (Titanium 9400i)                  | —                            | —                                             | 245818                        | 245818                                      | 245818                                                    |
|    | Tear-away, Grinding Shield                              | —                            | —                                             | 254278                        | 254278                                      | 259391                                                    |
|    | Clip, Retaining Grinding shield (left/right)            | —                            | —                                             | 245819                        | 245819                                      | —                                                         |
|    | Kit, Weld Shield Hinge                                  | —                            | —                                             | 269929                        | 269929                                      | —                                                         |
| 13 | Shoulder Straps                                         | 235680                       | 235680                                        | 235680                        | 235680                                      | 235680                                                    |
| 14 | Belt                                                    | 235679                       | 235679                                        | 235679                        | 235679                                      | 235679                                                    |
| 15 | Belt Pad                                                | 239636                       | 239636                                        | 239636                        | 239636                                      | 239636                                                    |
| 16 | Flowmeter                                               | 245219                       | 245219                                        | 245219                        | 245219                                      | 260890                                                    |
| 17 | Breathing Tube Assembly                                 | 245218                       | 245218 (43")                                  | 247474 (36")                  | 245218                                      | 259392                                                    |
| 18 | Breathing Tube Cover, Flame-resistant                   | 245367                       | 245367                                        | 239571                        | 245367                                      | 239571                                                    |
|    | O-Ring, Breathing Tube                                  | 237452                       | 237452                                        | 237452                        | 237452                                      | 259394                                                    |
| 19 | Blower Assembly                                         | 235672                       | 235672                                        | 235672                        | 235672                                      | 235672                                                    |
|    | Kit, Battery Contact                                    | 269930                       | 269930                                        | 269930                        | 269930                                      | 269930                                                    |
| 20 | Filter, Particulate (HEPA) (2 pack)                     | 235673-2                     | 235673-2                                      | 235673-2                      | 235673-2                                    | 235673-2                                                  |
|    | Filter, Particulate (HEPA) (6 pack)                     | 235673-6                     | 235673-6                                      | 235673-6                      | 235673-6                                    | 235673-6                                                  |
|    | Filter, Particulate (HEPA) (36 pack)                    | 235673-36                    | 235673-36                                     | 235673-36                     | 235673-36                                   | 235673-36                                                 |
| 21 | Filter, Prefilter (foam) (6 pack)                       | 235674                       | 235674                                        | 235674                        | 235674                                      | 235674                                                    |
| 21 | Filter, Prefilter NUIS OV                               | 268841                       | 268841                                        | 268841                        | 268841                                      | 268841                                                    |
| 22 | Spark Guard                                             | 235676                       | 235676                                        | 235676                        | 235676                                      | 235676                                                    |
| 23 | Filter Cover                                            | 235677                       | 235677                                        | 235677                        | 235677                                      | 235677                                                    |
| 24 | Tool Bag                                                | 228028                       | 228028                                        | 228028                        | 228028                                      | 228028                                                    |
| 25 | Battery/Charger Kit (Battery, Blower)                   | 292037<br>(244131)           | 292037<br>(244131)                            | 292037<br>(244131)            | 292037 (244131)                             | 292037 (244131)                                           |
| 26 | Charger                                                 | 244132                       | 244132                                        | 244132                        | 244132                                      | 244132                                                    |
| 27 | Belt Extension                                          | 244151                       | 244151                                        | 244151                        | 244151                                      | 244151                                                    |
| 28 | Hard Hat (for PAPR)                                     | —                            | —                                             | —                             | —                                           | 259460                                                    |
| 29 | Slotted Hard Hat Adapter                                | —                            | —                                             | —                             | —                                           | 259637                                                    |
|    | Lens, Clear (Hard Hat Headseal)                         | —                            | —                                             | —                             | —                                           | 259390                                                    |
|    | Button, Replacement External Grind                      | —                            | 256179                                        | —                             | —                                           | 256179                                                    |
|    | Kit PAPR Battery Contact Replacement                    | 269930                       | 269930                                        | 269930                        | 269930                                      | 269930                                                    |
|    | Fabric Sweatband, HH                                    | —                            | —                                             | —                             | —                                           | 270176                                                    |

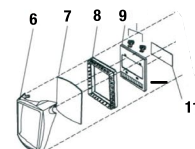
\* Indicates part number features external grind control button.

\*\*New Battery and Battery Chargers Serial number of PAPR Blower: 20200612392477, Serial Number of HEPA Filter: 202006123928902

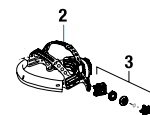
\*\*\* Suggested replacement for PAPR with Titanium 9400 is PAPR with T94-R™ (264573)



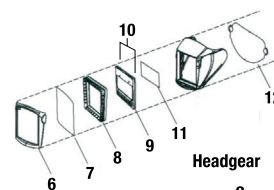
PAPR w/ Titanium 9400 Helmet



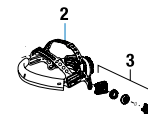
Headgear



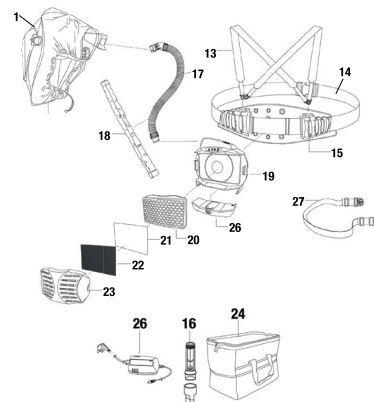
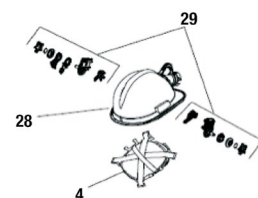
PAPR w/ Titanium 9400i Helmet



Headgear



PAPR w/ Hard Hat



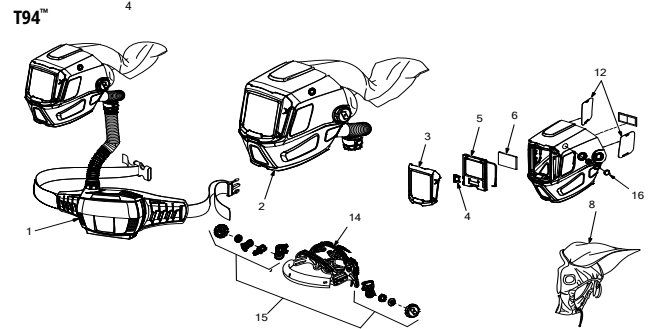
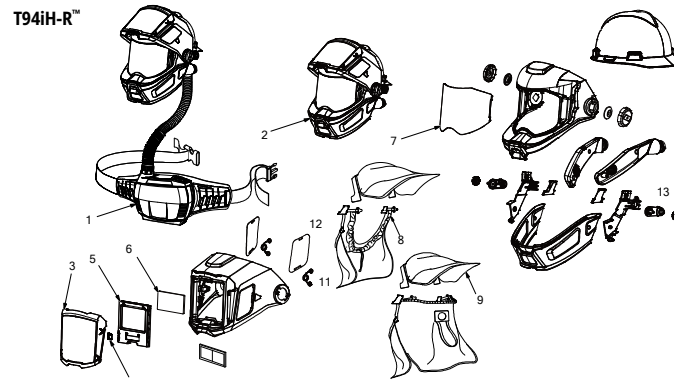
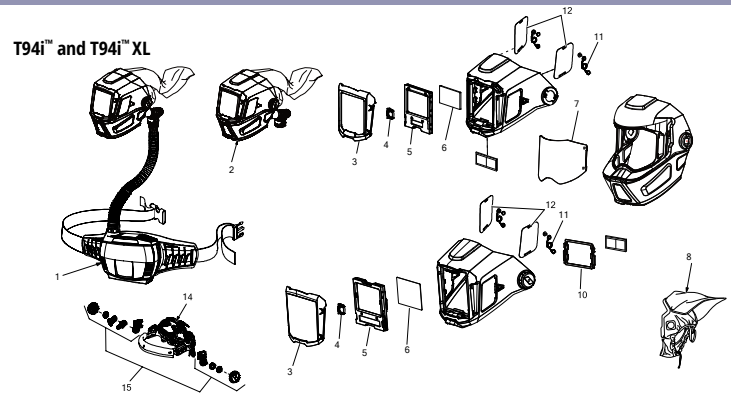
Hard Hat 9400, 9400i





## PAPR II Service Parts/Consumables PAPR II Systems

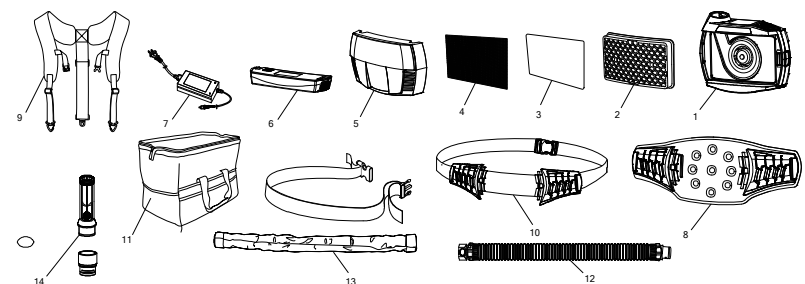
|    | Description                                                   | T94iH™<br>(Hard Hat) | T94™   | T94i™  | T94i™ XL  |
|----|---------------------------------------------------------------|----------------------|--------|--------|-----------|
| 1  | PAPR (Complete System)                                        | 287510               | 292753 | 292754 | 292755    |
|    | Helmet Assembly (Includes Helmet, Headgear, and FR Head Seal) | 287191               | 260821 | 293047 | 293048    |
| 3  | Lens, Front Cover HDV (5 Per Pkg)                             | 287016               | 287016 | 287016 | 287016    |
| 4  | Tray, Battery                                                 | 259574               | 259574 | 259574 | 259574 x2 |
|    | Battery, Lithium (CR2450)                                     | 217043               | 217043 | 217043 | 217043 x2 |
| 5  | Lens Assembly, Auto-Darkening (T94i CL2)                      | —                    | —      | —      | 287778    |
|    | Lens Assembly, Auto-Darkening (T94i CL4x)                     | 296879               | 296787 | 296879 | —         |
| 6  | Lens Cover, Inside (4-1/4 x 2-1/2) (5 Per Pkg.)               | 216327               | 216327 | 216327 | —         |
|    | Lens Cover, Inside 4-3/4 in x 3-1/8 in (5 Per Pkg)            | —                    | —      | —      | 287777    |
| 7  | Lens, Grind Shield HDV                                        | 288765               | 288765 | 288765 | 288765    |
|    | Lens Tear-Off, Grind Shield                                   | 258853               | 258853 | 258853 | 258853    |
| 8  | FR Head Seal                                                  | 287187               | 260926 | 260926 | 260926    |
|    | FR Head Seal (Heavy Duty)                                     | 287188               | —      | —      | —         |
| 10 | Adapter, Magnification Lens XL                                | —                    | —      | —      | 290209    |
| 11 | Spring, Torsional                                             | 284548               | —      | 284548 | 287776    |
| 12 | Covers, Side Window                                           | 260197               | 260197 | 260197 | 260197    |
| 13 | HH Adapter Kit                                                | 287512               | —      | —      | —         |
| 14 | Headgear Kit (Gray)                                           | —                    | 260486 | 260486 | 260486    |
| 15 | Kit, Adjustment Angle/Stop Hardware                           | —                    | 265891 | 265891 | 265891    |
| 16 | External Grind Button                                         | —                    | 256179 | —      | —         |



## PAPR II Blower Assemblies

|    | Description                        | Blower Assembly |
|----|------------------------------------|-----------------|
| 1  | Blower Assembly                    | 287172          |
| 2  | Filter, Particulate (HEPA) 2 Pack  | 287170-2        |
|    | Filter, Particulate (HEPA) 6 Pack  | 287170-6        |
|    | Filter, Particulate (HEPA) 36 Pack | 287170-36       |
| 3  | Prefilter, 6 pack                  | 235674          |
|    | Prefilter, Nuisance OV, 6 Pack     | 268841          |
| 4  | Spark Guard                        | 235676          |
| 5  | Filter Cover                       | 287175          |
| 6  | Battery, Blower                    | 287178          |
| 7  | Battery Charger                    | 282077          |
| 8  | Belt Pad                           | 288941          |
| 9  | Shoulder Straps                    | 287177          |
| 10 | Belt                               | 287176          |
|    | Belt Leather                       | 264582          |
|    | Belt Extension                     | 244151          |
| 11 | Bag                                | 228028          |
| 12 | Breathing Tube Assembly            | 261704          |
| 13 | FR Breathing Tube Cover            | 265312          |
| 14 | Flow Meter                         | 277222          |

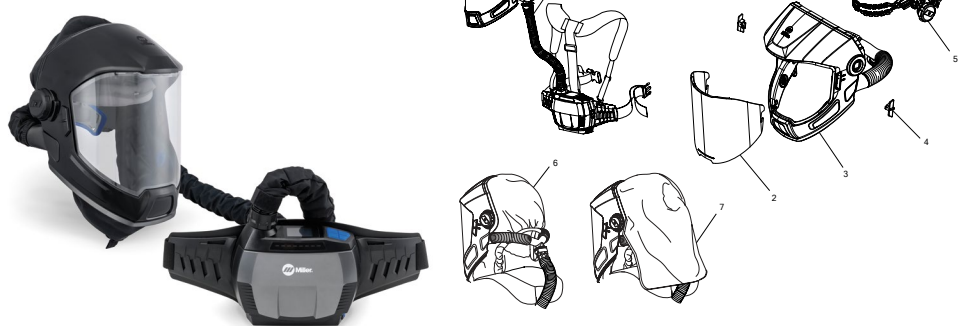
PAPR II Blower Assembly



## Face Shield Head Assembly

|   | Description                     | Face Shield<br>PAPR |
|---|---------------------------------|---------------------|
| 1 | PAPR, Clear, Complete System    | 288356              |
|   | PAPR Head Assy, Clear           | 288353              |
| 2 | Lens, Face Shield PAPR, Clear   | 288348              |
|   | Lens, Face Shield PAPR, Shade 3 | 288349              |
|   | Lens, Face Shield PAPR, Shade 5 | 288350              |
| 3 | Helmet, Shell Face Shield PAPR  | 288352              |
| 4 | Lens Locks, RH/LH PAPR          | 288351              |
| 5 | Headgear, Gen 5                 | 288343              |
| 6 | Head Seal, Standard             | 288344              |
| 7 | Head Seal, Heavy-Duty           | 288346              |

Face Shield Head Assembly



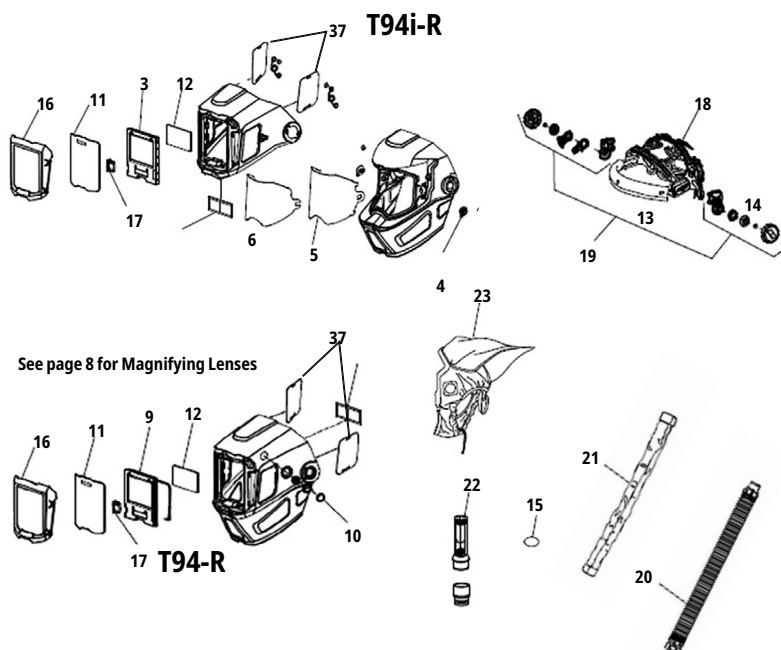
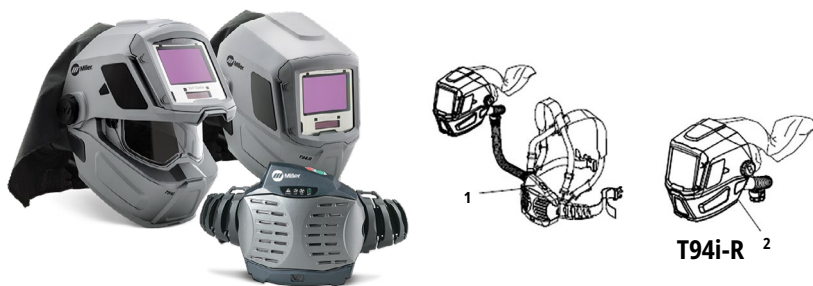


# WELDING PROTECTION

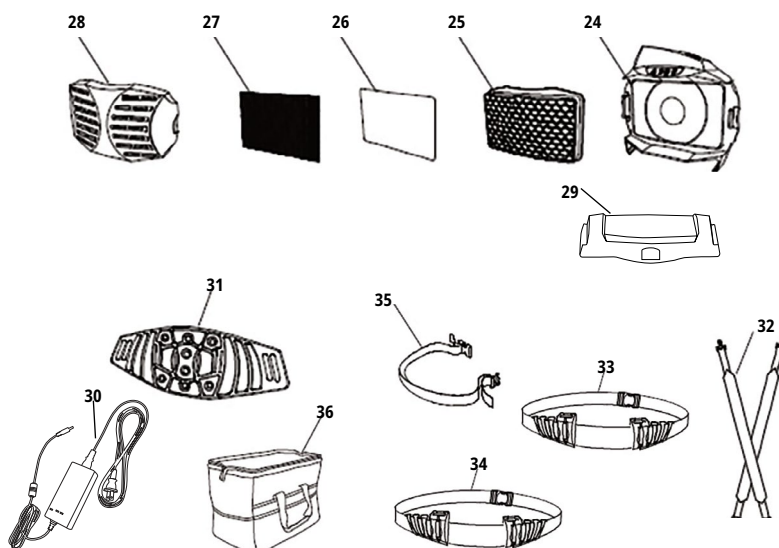
## T94-R™ & T94i-R™ PAPR I & SAR

### Service Parts/ Consumables

|    | Description                                                 | PAPR      | SAR    |
|----|-------------------------------------------------------------|-----------|--------|
| 1  | <b>T94i-R™ Series (Complete Systems)</b>                    | 264575    | —      |
| 2  | Head Assembly (without auto-darkening lens assembly)        | 265305    | 265305 |
| 3  | Auto-Darkening Lens                                         | 259572    | 259572 |
| 4  | Clip, Retaining Grinding Shield                             | 245819    | 245819 |
| 5  | Lens, Grinding Shield                                       | 258979    | 258979 |
| 6  | Tear-Away Grinding Shield Covers                            | 258853    | 258853 |
| 7  | <b>T94-R™ Series (Complete Systems)</b>                     | 264573    | —      |
| 8  | Head Assembly (without auto-darkening lens assembly)        | 260821    | —      |
| 9  | Auto-Darkening Lens                                         | 260557    | —      |
| 10 | External Grind Button                                       | 256179    | —      |
|    | <b>Consumables</b>                                          |           |        |
| 11 | Lens Cover, Outside                                         | 265304    | 265304 |
|    | Battery, Lithium CR2450 (not pictured)                      | 217043    | 217043 |
| 12 | Lens Cover, Inside                                          | 216327    | 216327 |
| 13 | Headband, Fabric                                            | 770249    | 770249 |
| 14 | Replacement O-Rings (5-Pack)                                | 079975    | 079975 |
| 15 | Breathing Tube O-Ring                                       | 237452    | 237452 |
|    | <b>Replacement Parts/Accessories</b>                        |           |        |
| 16 | Lens Holder, Front                                          | 265309    | 265309 |
| 17 | Battery Tray                                                | 259574    | 259574 |
| 18 | Headgear Kit (Gray)                                         | 260486    | 260486 |
| 19 | Kit, Adjustment Angle/Stop Hardware                         | 265891    | 265891 |
| 20 | Breathing Tube Assembly                                     | 261704    | 261704 |
| 21 | FR Breathing Tube Cover                                     | 265312    | 265312 |
| 22 | Flowmeter                                                   | 277222    | 277222 |
| 23 | FR Head Seal (Hood)                                         | 260926    | 260926 |
|    | <b>PAPR Replacement Parts &amp; Consumables</b>             |           |        |
| 24 | Blower Assembly                                             | 235672    | —      |
| 25 | Filter, Particulate (HEPA) 2 pack                           | 235673-2  | —      |
|    | Filter, Particulate (HEPA) 6 pack                           | 235673-6  | —      |
|    | Filter, Particulate (HEPA) 36 pack                          | 235673-36 | —      |
| 26 | Filter, Prefilter 6 pack                                    | 235674    | —      |
|    | Filter, Prefilter, Nuisance OV Relief 6 pack (not pictured) | 268841    | —      |
| 27 | Spark Guard                                                 | 235676    | —      |
| 28 | Filter Cover                                                | 235677    | —      |
| 29 | Battery, Blower                                             | 282076    | —      |
|    | <b>PAPR Accessories</b>                                     |           |        |
| 30 | Charger                                                     | 282077    | —      |
| 31 | Belt Pad                                                    | 239636    | —      |
| 32 | Flame-resistant Shoulder Straps                             | 235680    | —      |
| 33 | Belt                                                        | 235679    | —      |
| 34 | Belt, Leather                                               | 264582    | —      |
| 35 | Belt Extension                                              | 244151    | —      |
| 36 | Bag                                                         | 228028    | —      |
| 37 | Side Windows                                                | 288042    | 288042 |



See page 8 for Magnifying Lenses

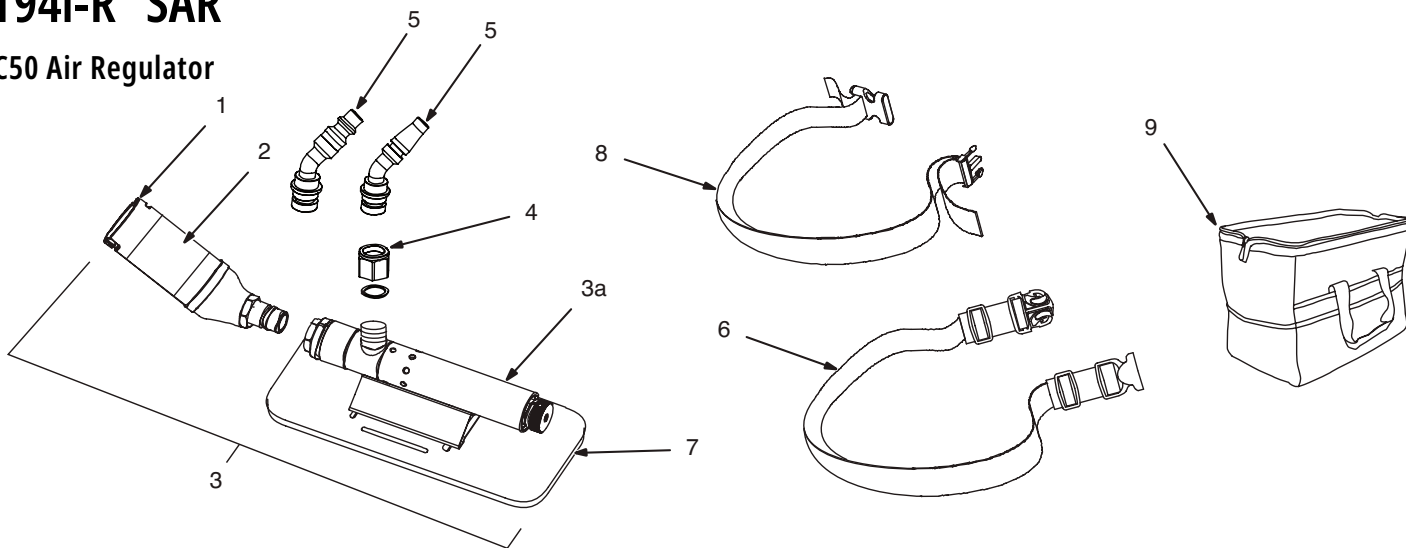


PN: 244131 and 244132 may also be used with T94 and T94i Head Assemblies



## T94i-R™ SAR

### C50 Air Regulator

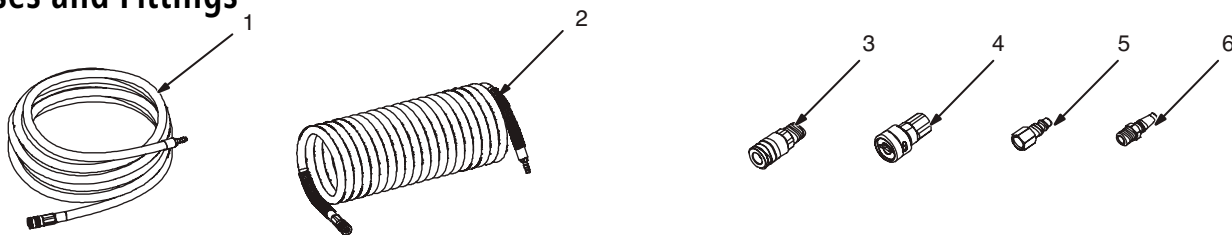


| Item # | Part #              | Description                                                          | Quantity |
|--------|---------------------|----------------------------------------------------------------------|----------|
| 1      | 270417              | Adapter                                                              | 1        |
| 2      | 272668 <sup>1</sup> | Label, Warning Supplied Air Respirator                               | 1        |
| 3      | 291876              | C50 Air Regulator Assembly (Includes item #1-7)                      | 1        |
| 3a     | 270412              | C50 Air Regulator                                                    | 1        |
| 4      | 272740              | Valve Nut w/ Plastic Washer                                          | 1        |
| 5      | 272735 <sup>2</sup> | Valve Plug, Curved, 1/4 in. MPT 1/4 in. Body, Industrial Interchange | 1        |
| 5      | 272736 <sup>2</sup> | Valve Plug, Curved, 1/4 in., MPT 1/4 in. Body, Schrader              | 1        |
| 6      | 270416              | Belt                                                                 | 1        |
| 6      | 264872 <sup>2</sup> | Belt, Leather                                                        | 1        |
| 7      | 270415              | Belt Pad                                                             | 1        |
| 8      | 244151 <sup>2</sup> | Belt, Extension                                                      | 1        |
| 9      | 228028              | Bag                                                                  | 1        |

<sup>1</sup>When ordering a component originally displaying a precautionary label, the label should also be ordered.

<sup>2</sup>Optional

## Hoses and Fittings



| Item # | Part # | Description (Airline Hoses And Quick Disconnect Fittings)                        | Quantity |
|--------|--------|----------------------------------------------------------------------------------|----------|
| 1      | 270405 | Straight, 25 Ft, 3/8 in. ID w/ 1/4 in. Industrial Interchange, Quick Disconnect  | 1        |
| 1      | 270407 | Straight, 100 Ft, 3/8 in. ID w/ 1/4 in. Industrial Interchange, Quick Disconnect | 1        |
| 2      | 270408 | Coiled, 25Ft, 3/8 in. ID w/ 1/4 in. Industrial Interchange, Quick Disconnect     | 1        |
| 2      | 270410 | Coiled, 100Ft, 3/8 in. ID w/ 1/4 in. Industrial Interchange, Quick Disconnect    | 1        |
| 3      | 270438 | Hose Socket, 1/4 in. FPT, 1/4 in. Body, Industrial Interchange, Manual Connect   | 1        |
| 4      | 270440 | Hose Socket, 1/4 in. FPT, 1/4 in. Body, Schrader                                 | 1        |
| 5      | 270436 | Hose Plug, 1/4 in. FPT, 1/4 in. Body, Industrial Interchange, Auto Connect       | 1        |
| 6      | 270437 | Hose Plug, 1/4 in. FPT, 1/4 in. Body, Schrader                                   | 1        |

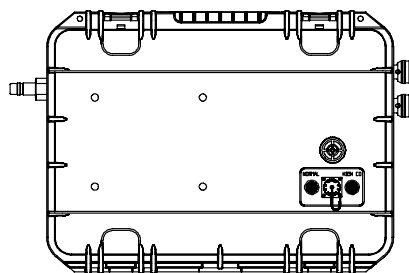
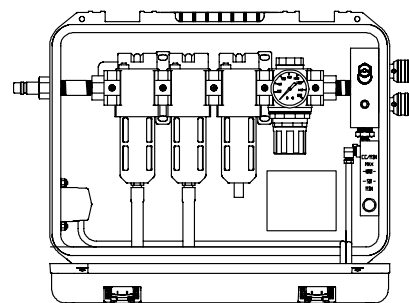
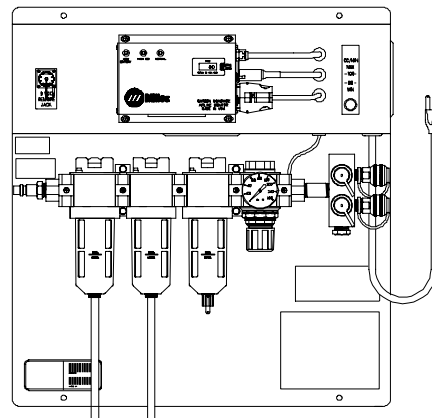
## T94i-R™ SAR

### BreatheAir™ Panel

| Item # | Description                                                                                       | 2 Person Panel Model | 4 Person Panel Model |
|--------|---------------------------------------------------------------------------------------------------|----------------------|----------------------|
| 1      | Box/Panel Plug, ½ in. Ind Intg                                                                    | 276007               | 276007               |
| 2      | Alarm, Audible High CO                                                                            | 276165               | 276165               |
| 5      | Carbon Monoxide Monitor, Panel, 10 ppm                                                            | 276190               | 276190               |
| 5      | Carbon Monoxide Monitor, Panel, 5 ppm (Canada)                                                    | 276268               | 276268               |
| 6      | Plug (fitting), Flowmeter and Cal Reg to Monitor                                                  | 276003               | 276003               |
|        | CO Sensor                                                                                         | 275987               | 275987               |
| 9      | Pressure Gauge, 0-160 psi                                                                         | 276164               | 276164               |
| 11     | Box/Panel Socket, ¼ in. Ind Intg                                                                  | 276158               | 276158               |
| 11     | Box/Panel Socket, ¼ in. Schrader                                                                  | 276162               | 276162               |
| 21     | Filter Bowl with Guard and Auto Drain                                                             | 276185               | 276174               |
| 24     | Manual Drain                                                                                      | 276184               | 276184               |
| 25     | Filter Bowl and Guard Only                                                                        | 276187               | 276175               |
|        | Monitor Calibration Kit, US<br>(contains 20 ppm CO Gas for Calibrating 10 ppm US System)          | 275988               | 275988               |
|        | Monitor Calibration Kit, Canada<br>(contains 10 ppm CO Gas for Calibrating 5 ppm Canadian System) | 275989               | 275989               |
|        | Alarm Assembly, Remote                                                                            | 275997               | 275997               |

### BreatheAir™

| Item # | Description                                                                                       | 2 Person Box Model | 4 Person Box Model |
|--------|---------------------------------------------------------------------------------------------------|--------------------|--------------------|
| 1      | Box/Panel Plug, ½ in. Ind Intg                                                                    | 276007             | 276007             |
| 14     | Alarm, Audible High CO                                                                            | 276012             | 276012             |
| 12     | Carbon Monoxide Monitor, Panel, 10 ppm                                                            | 276166             | 276166             |
| 12     | Carbon Monoxide Monitor, Panel, 5 ppm (Canada)                                                    | 276267             | 276267             |
|        | CO Sensor                                                                                         | 275987             | 275987             |
| 6      | Pressure Gauge, 0-160 psi                                                                         | 276164             | 276164             |
| 8      | Box/Panel Socket, ¼ in. Ind Intg                                                                  | 276158             | 276158             |
| 8      | Box/Panel Socket, ¼ in. Schrader                                                                  | 276162             | 276162             |
| 23     | Filter Bowl with Guard and Auto Drain                                                             | 276185             | 276174             |
| 26     | Manual Drain                                                                                      | 276184             | 276184             |
| 27     | Filter Bowl and Guard Only                                                                        | 276187             | 276175             |
|        | Monitor Calibration Kit, US<br>(contains 20 ppm CO Gas for Calibrating 10 ppm US System)          | 275988             | 275988             |
|        | Monitor Calibration Kit, Canada<br>(contains 10 ppm CO Gas for Calibrating 5 ppm Canadian System) | 275989             | 275989             |
|        | Alarm Assembly, Remote w/ Strobe Light 100 ft.                                                    | 275997             | 275997             |







## LPR-100™ Gen II Half Mask Respirators

| Description                                                              | Gen I Part # | Gen II Part # |
|--------------------------------------------------------------------------|--------------|---------------|
| LPR-100 Half Mask Respirator, Small/Medium                               | ML00894      | 294961        |
| LPR-100 Half Mask Respirator, Medium/Large                               | ML00895      | 294962        |
| LPR-100 Half Mask Respirator with Nuisance Level OV Filter, Small/Medium | ML00994      | 295273        |
| LPR-100 Half Mask Respirator with Nuisance Level OV Filter, Medium/Large | ML00995      | 295274        |
| LPR-100/OV Half Mask Respirator, Small/Medium                            | ML00996      | —             |
| LPR-100/OV Half Mask Respirator, Medium/Large                            | ML00997      | —             |
| <b>Consumables/Accessories</b>                                           |              |               |
| P100 Filters                                                             | SA00818      | 294963        |
| P100 Nuisance Level OV Relief Filters                                    | SA00819      | 294964        |
| P100 OV Filters                                                          | SA00820      | —             |
| Quantitative Face-Fit Test Kit                                           | 261086       | 298192        |
| Protective Hard Carrying Case                                            | 283374       | 294965        |



LPR-100™ Gen I Half Masks



LPR-100™ Gen II Half Masks



Gen II P100 Filters



Gen II P100  
Nuisance Level OV  
Relief Filters



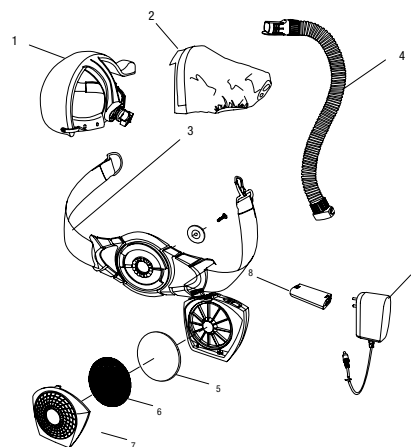
Gen II Quantitative  
Face-Fit Test Kit



Gen II Protective  
Hard Carrying Case

## CoolBelt™ Service Parts/Consumables

| Item # | Part # | Description         | Quantity      |
|--------|--------|---------------------|---------------|
|        | 245230 | CoolBelt unit       |               |
| 1      | 245235 | Headgear (includes) | 1             |
|        | 079975 | Replacement O-rings | 1 (5 per pkg) |
|        | 770249 | Fabric headband     | 1             |
| 2      | 245236 | Head shroud (hood)  | 1             |
| 3      | 245232 | Belt                | 1             |
| 4      | 245231 | Hose assembly       | 1             |
| 5      | 245233 | Filter              | 1 (6 per pkg) |
| 6      | 247921 | Spark Arrestor      | 1             |
| 7      | 245234 | Filter cover        | 1             |
| 8      | 245237 | Battery, blower     | 1             |
| 9      | 245238 | Charger             | 1             |
|        | 246964 | Hose cover          | 1             |
|        | 246965 | Warranty Blower     |               |



# DRIVE ROLLS



2 Roll Kit

## Types of drive rolls based on recommended usage:

1. V-Grooved rolls for hard wire.
2. U-Grooved rolls for soft and soft shelled cored wires.
3. U-Cogged rolls for extremely soft shelled wires.
4. V-Knurlled rolls for hard shelled cored wires.
5. Drive roll types may be mixed to suit particular requirement (example: V-Knurlled roll in combination with U-Grooved).

## 2 Drive Roll Systems

Millermatic® 200/210/212/215/250/251/252/255 DVI's/Pulser/Vintage  
Multimatic® 200, 215, 220 AC/DC, 235 and 255  
22/32/52 Series, SuitCase® 8/12RC & 8/12VS, Reach Feeders

| Wire Diameter  |               |              | Drive Rolls |                     |                              | Inlet Wire Guide # |
|----------------|---------------|--------------|-------------|---------------------|------------------------------|--------------------|
| Fraction (in)  | Decimal (in)  | Metric (mm)  | Type        | Kit #               | Individual Drive Roll Part # |                    |
| .023 – .025 in | .023 – .025   | 0.6          | V-Grooved   | 087131              | 087130                       | 056192             |
| .030           | .030          | 0.8          | V-Grooved   | 079594              | 053695                       | 056192             |
| .030 and .035  | .030 and .035 | 0.8 and 0.9  | V-Grooved   | 204579 <sup>1</sup> | 203526                       | 056192             |
| .035 and .045  | .035 and .045 | 0.9 and 1.22 | V-Grooved   | 190300 <sup>1</sup> | 189285                       | 056193             |
| .035           | .035          | 0.9          | V-Grooved   | 079595              | 053700                       | 056192             |
| .045           | .045          | 1.2          | V-Grooved   | 079596              | 053697                       | 056193             |
| .052           | .052          | 1.3          | V-Grooved   | 079597              | 053698                       | 056193             |
| 1/16           | .062          | 1.6          | V-Grooved   | 079598              | 053699                       | 056195             |
| .035           | .035          | 0.9          | U-Grooved   | 044749              | 072000                       | 221912             |
| 3/64           | .047          | 1.2          | U-Grooved   | 079599              | 053701                       | 221912             |
| .052           | .052          | 1.3          | U-Grooved   | —                   | 053702                       | 221912             |
| 1/16           | .062          | 1.6          | U-Grooved   | 079601              | 053706                       | 056195             |
| 5/64           | .079          | 2.0          | U-Grooved   | —                   | 053704                       | 056195             |
| 3/32           | .094          | 2.4          | U-Grooved   | —                   | 053703                       | 056196             |
| 7/64           | .110          | 2.8          | U-Grooved   | —                   | 053705                       | 056196             |
| 1/8            | .126          | 3.2          | U-Grooved   | —                   | 053707                       | 056197             |
| .035           | .035          | 0.9          | V-Knurlled  | 079606              | 132958                       | 056192             |
| .045           | .045          | 1.2          | V-Knurlled  | 079607              | 132957                       | 056193             |
| .045 and 1/16  | .045 and 1/16 | 1.22 and 1.6 | V-Knurlled  | 238687 <sup>1</sup> | 238688                       | 221030             |
| .052           | .052          | 1.3          | V-Knurlled  | 079608              | 132956                       | 056193             |
| 1/16           | .062          | 1.6          | V-Knurlled  | 079609              | 132955                       | 056195             |
| .068 – .072    | .068 – .072   | 1.8          | V-Knurlled  | 089984              | 132959                       | 056195             |
| 5/64           | .079          | 2.0          | V-Knurlled  | 079610              | 132960                       | 056195             |
| 3/32           | .094          | 2.4          | V-Knurlled  | —                   | 132961                       | 056196             |
| 7/64           | .110          | 2.8          | V-Knurlled  | —                   | 132962                       | 056196             |
| 1/8            | .126          | 3.2          | V-Knurlled  | —                   | 132963                       | 056197             |
| .045           | .045          | 1.2          | U-Cogged    | 083318              | 083489                       | 056193             |
| .052           | .052          | 1.3          | U-Cogged    | —                   | 083490                       | 056193             |
| 1/16           | .062          | 1.6          | U-Cogged    | 079614              | 053708                       | 056195             |
| 5/64           | .079          | 2.0          | U-Cogged    | —                   | 053710                       | 056195             |
| 3/32           | .094          | 2.4          | U-Cogged    | —                   | 053709                       | 056196             |
| 7/64           | .110          | 2.8          | U-Cogged    | —                   | 053711                       | 056196             |
| 1/8            | .126          | 3.2          | U-Cogged    | —                   | 053712                       | 056197             |

<sup>1</sup>Dual-size reversible drive roll

## 22/24 Series & SuitCase Feeders Nylon Guides (For Feeding Aluminum Wire)

| Wire Diameter    | Inlet Guide # |
|------------------|---------------|
| 3/64 in (1.2 mm) | 151203        |
| 1/16 in (1.6 mm) | 151205        |
| 3/32 in (2.4 mm) | 194264        |

## Millermatic® & Multimatic™ Nylon Guides (For Feeding Aluminum Wire)

| Model                                 | Inlet Guide # |
|---------------------------------------|---------------|
| All Millermatics Multimatic 235 & 255 | 221912        |
| All Other Multimatics                 | 261151        |

Note: Each drive roll kit contains 2 Drive Rolls and 1 Inlet Guide.  
Note: U-Groove drive rolls are recommended when feeding aluminum wire.



4 Roll Kit

## Types of drive rolls based on recommended usage:

1. V-Grooved rolls for hard wire.
2. U-Grooved rolls for soft and soft shelled cored wires.
3. U-Cogged rolls for extremely soft shelled wires.
4. V-Knurlled rolls for hard shelled cored wires.
5. Drive roll types may be mixed to suit particular requirement (example: V-Knurlled roll in combination with U-Grooved).

## 4 Drive Roll Systems

Millermatic® 300/350/350P/355 with Meters  
20/54 Series, 24A, R-115, ArcReach 16, and all Intellx Feeders

| Wire Diameter |               |             | Drive Rolls |                     |                              | Wire Guide      |                          |
|---------------|---------------|-------------|-------------|---------------------|------------------------------|-----------------|--------------------------|
| Fraction (in) | Decimal (in)  | Metric (mm) | Type        | Kit #               | Individual Drive Roll Part # | Inlet #         | Intermediate #           |
| .023 – .025   | .023 – .025   | 0.6         | V-Grooved   | 087132              | 087130                       | 056192          | 056206                   |
| .030          | .030          | 0.8         | V-Grooved   | 046780              | 053695                       | 056192          | 056206                   |
| .035          | .035          | 0.9         | V-Grooved   | 046781              | 053700                       | 056192          | 056206                   |
| .035 and 3/64 | .035/.045     | 0.9/1.2     | V-Grooved   | 227061 <sup>1</sup> | 189285 <sup>1</sup>          | 056193          | 056207                   |
| .045          | .045          | 1.2         | V-Grooved   | 046782              | 053697                       | 056193          | 056207                   |
| .052          | .052          | 1.3         | V-Grooved   | 046783              | 053698                       | 056193          | 056207                   |
| 1/16          | .062          | 1.6         | V-Grooved   | 046784              | 053699                       | 056195          | 056209                   |
| .035          | .035          | 0.9         | U-Grooved   | 044750              | 072000                       | 289021 (293928) | 289020 (293928)          |
| 3/64          | .047          | 1.2         | U-Grooved   | 046785              | 053701                       | 289021 (293932) | 289019 (293932)          |
| .035 and 3/64 | .035 and .045 | 1.9 and 1.2 | U-Grooved   | 244293              | 232826                       | 289021 (293929) | 289019 & 289020 (293929) |
| .052          | .052          | 1.3         | U-Grooved   | —                   | 053702                       | 221912          | 058837                   |
| 1/16          | .062          | 1.6         | U-Grooved   | 046787              | 053706                       | 289021 (293930) | 289018 (293930)          |
| 5/64          | .079          | 2.0         | U-Grooved   | —                   | 053704                       | 056195          | 056209                   |
| 3/32          | .094          | 2.4         | U-Grooved   | —                   | 053703                       | 056196          | 056210                   |
| 7/64          | .110          | 2.8         | U-Grooved   | —                   | 053705                       | 056196          | 056210                   |
| 1/8           | .126          | 3.2         | U-Grooved   | 151043              | 053707                       | 056197          | 056211                   |
| .035          | .035          | 0.9         | V-Knurlled  | 046792              | 132958                       | 056192          | 056206                   |
| .045          | .045          | 1.2         | V-Knurlled  | 046793              | 132957                       | 056193          | 056207                   |
| .052          | .052          | 1.3         | V-Knurlled  | 046794              | 132956                       | 056193          | 056207                   |
| 1/16          | .062          | 1.6         | V-Knurlled  | 046795              | 132955                       | 056195          | 056209                   |
| 5/64          | .079          | 2.0         | V-Knurlled  | 046796              | 132960                       | 056195          | 056209                   |
| 3/32          | .094          | 2.4         | V-Knurlled  | 294490              | 132961                       | 229919          | 056210                   |
| 7/64          | .110          | 2.8         | V-Knurlled  | —                   | 132962                       | 056196          | 056210                   |
| 1/8           | .126          | 3.2         | V-Knurlled  | —                   | 132963                       | 056197          | 056211                   |
| .045          | .045          | 1.2         | U-Cogged    | —                   | 083489                       | 056193          | 056207                   |
| .052          | .052          | 1.3         | U-Cogged    | —                   | 083490                       | 056193          | 056207                   |
| 1/16          | .062          | 1.6         | U-Cogged    | —                   | 053708                       | 056195          | 056209                   |
| 5/64          | .079          | 2.0         | U-Cogged    | —                   | 053710                       | 056195          | 056209                   |
| 3/32          | .094          | 2.4         | U-Cogged    | —                   | 053709                       | 056196          | 056210                   |
| 7/64          | .110          | 2.8         | U-Cogged    | —                   | 053711                       | 056196          | 056210                   |
| 1/8           | .126          | 3.2         | U-Cogged    | —                   | 053712                       | 056197          | 056211                   |

<sup>1</sup>Dual-size reversible V-groove drive roll (one .035 and one .045 in groove)

## All Other Models, Nylon Guides (For Feeding Aluminum Wire)

| Wire Diameter               | Inlet Guide # | Intermediate Guide # |
|-----------------------------|---------------|----------------------|
| .035 – 3/64 in (0.9–1.2 mm) | 058854        | 058853               |
| 1/16 in (1.6 mm)            | 058836        | 058837               |
| .023 – .052 in (0.6–1.3 mm) | 221912        | 233843               |

## Millermatic® 355 & Intellx Feeder Nylon Guides (For Feeding Aluminum Wire)

| Wire Diameter    | Inlet Guide and Intermediate Guide Kits |
|------------------|-----------------------------------------|
| .035 in (0.9 mm) | 293928                                  |
| 3/64 in (1.2 mm) | 293929                                  |
| 1/16 in (1.6 mm) | 293930                                  |

**Note:** Each drive roll kit contains 4 Drive Rolls, 1 Inlet Guide, and 1 Intermediate Guide.  
**Note:** U-Groove drive rolls are recommended when feeding aluminum wire.



# DRIVE ROLLS



## Types of drive rolls based on recommended usage:

1. V-Grooved rolls for hard wire.
2. U-Grooved rolls for soft and soft shelled cored wires.
3. U-Cogged rolls for extremely soft shelled wires.
4. V-Knurled rolls for hard shelled cored wires.
5. Drive roll types may be mixed to suit particular requirement (example: V-Knurled roll in combination with U-Grooved).

## 2 and 4 Drive Roll Systems

62 series feeders, Pipe Pro 12 RC (2 roll kits)

64/74 series feeder, Pipe Pro Single, Pipe Pro Single DX, Pipe Pro Dual DX, Pipe Worx 400 and all Axxess Feeders (4 roll kits)

| Wire Diameter |              |             | Drive Rolls        |                     |                     |                   | Wire Guide      |                          |            |
|---------------|--------------|-------------|--------------------|---------------------|---------------------|-------------------|-----------------|--------------------------|------------|
| Fraction (in) | Decimal (in) | Metric (mm) | Type               | 2 Roll Kit #        | 4 Roll Kit #        | Individual Part # | Inlet #         | Intermediate #           | Antiwear # |
| .023 – .025   | .023 – .025  | 0.6         | V-Grooved          | 151030              | 151024              | 087130            | 150993          | 149518                   | 045233     |
| .030          | .030         | 0.8         | V-Grooved          | —                   | 151025              | 053695            | 150993          | 149518                   | 045233     |
| .035          | .035         | 0.9         | V-Grooved          | 151032              | 151026              | 053700            | 150993          | 149518                   | 045233     |
| .035 and 3/64 | .035/.045    | 0.9/1.2     | V-Grooved          | 190300 <sup>1</sup> | 209533 <sup>1</sup> | 189285            | 150994          | 149519                   | 045233     |
| .040          | .040         | 1.0         | V-Grooved          | —                   | 161190              | 053696            | 150993          | 149518                   | 045233     |
| .045          | .045         | 1.2         | V-Grooved          | 151033              | 151027              | 053697            | 150994          | 149519                   | 045233     |
| .052          | .052         | 1.3         | V-Grooved          | 151034              | 151028              | 053698            | 150994          | 149519                   | 045233     |
| 1/16          | .062         | 1.6         | V-Grooved          | —                   | 151029              | 053699            | 150995          | 149520                   | 045233     |
| .035          | .035         | 0.9         | U-Grooved          | 151044              | 151036              | 072000            | 150993          | 149518                   | 045233     |
| .035          | .035         | 0.9         | Polished U-Grooved | —                   | 265255              | 251587            | 289021 (293931) | 242417 & 289020 (293931) |            |
| .035 and 3/64 | .035/.045    | 1.9/1.2     | U-Grooved          | —                   | 244293              | 232826            | 289021 (293929) | 289019 & 289020 (293929) |            |
| .045          | .045         | 1.2         | U-Grooved          | 151045              | 151037              | 053701            | 150994          | 149519                   | 045233     |
| 3/64          | .047         | 1.2         | Polished U-Grooved | —                   | 265256              | 053701            | 289021 (293932) | 289019 (293932)          |            |
| .052          | .052         | 1.3         | U-Grooved          | —                   | —                   | 053702            | 150994          | 149519                   | 045233     |
| 1/16          | .062         | 1.6         | U-Grooved          | 151047              | 151039              | 053706            | 150995          | 149520                   | 045233     |
| 1/16          | .062         | 1.3         | Polished U-Grooved | —                   | 265257              | 251647            | 289021 (293933) | 205937 & 289018 (293933) |            |
| 5/64          | .079         | 2.0         | U-Grooved          | —                   | —                   | 053704            | 150995          | 149520                   | 045233     |
| 3/32          | .094         | 2.4         | U-Grooved          | —                   | 151041              | 053703            | 150996          | 149521                   | 045233     |
| 7/64          | .110         | 2.8         | U-Grooved          | —                   | —                   | 053705            | 150996          | 149521                   | 045233     |
| 1/8           | .126         | 3.2         | U-Grooved          | —                   | 151043              | 053707            | 150997          | 149522                   | 045233     |
| .035          | .035         | 0.9         | V-Knurled          | 151061              | 151052              | 132958            | 150993          | 149518                   | 045233     |
| .045          | .045         | 1.2         | V-Knurled          | 151062              | 151053              | 132957            | 150994          | 149519                   | 045233     |
| .052          | .052         | 1.3         | V-Knurled          | —                   | 151054              | 132956            | 150994          | 149519                   | 045233     |
| 1/16          | .062         | 1.6         | V-Knurled          | 151064              | 151055              | 132955            | 150995          | 149520                   | 045233     |
| .068 – .072   | .068 – .072  | 1.8         | V-Knurled          | 151065              | 151056              | 132959            | 150995          | 149520                   | 045233     |
| 5/64          | .079         | 2.0         | V-Knurled          | 151066              | 151057              | 132960            | 150995          | 149520                   | 045233     |
| 3/32          | .094         | 2.4         | V-Knurled          | 151067              | 151058              | 132961            | 150996          | 149521                   | 045233     |
| 7/64          | .110         | 2.8         | V-Knurled          | —                   | 151059              | 132962            | 150996          | 149521                   | 045233     |
| 1/8           | .126         | 3.2         | V-Knurled          | —                   | 151060              | 132963            | 150997          | 149522                   | 045233     |
| .045          | .045         | 1.2         | U-Cogged           | —                   | 151070              | 083489            | 150994          | 149519                   | 045233     |
| .052          | .052         | 1.3         | U-Cogged           | —                   | —                   | 083490            | 150994          | 149519                   | 045233     |
| 1/16          | .062         | 1.6         | U-Cogged           | —                   | 151072              | 053708            | 150995          | 149520                   | 045233     |
| 5/64          | .079         | 2.0         | U-Cogged           | —                   | —                   | 053710            | 150995          | 149520                   | 045233     |
| 3/32          | .094         | 2.4         | U-Cogged           | —                   | —                   | 053709            | 150996          | 149521                   | 045233     |
| 7/64          | .110         | 2.8         | U-Cogged           | —                   | —                   | 053711            | 150996          | 149521                   | 045233     |
| 1/8           | .126         | 3.2         | U-Cogged           | —                   | —                   | 053712            | 150997          | 149522                   | 045233     |

Dual-size reversible V-Groove drive roll (one .035 and one .045 in groove)

## 60 & 70 Series Nylon Guides (For Feeding Aluminum Wire)

| Wire Diameter    | Inlet Guide # | Intermediate Guide # |
|------------------|---------------|----------------------|
| 3/64 in (1.2 mm) | 151203        | 151204               |
| 1/16 in (1.6 mm) | 151205        | 151206               |

Note: Each drive roll kit contains 2 or 4 Drive Rolls, 1 Inlet Guide, 1 Intermediate Guide, and 045233 kit with 045127 Antiwear Guide with 604612 Setscrew 8-32 x .125.

Note: U-Groove drive rolls are recommended when feeding aluminum wire.

## Single Drive Roll Systems

|                                                                | V-Groove              | V-Groove         | V-Groove         | V-Groove         | V-Knurl          | V-Knurl          | V-Knurl          | Inlet Wire |
|----------------------------------------------------------------|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|
| Machine                                                        | .023/.024<br>(0.6 mm) | .030<br>(0.8 mm) | .035<br>(0.9 mm) | .045<br>(1.2 mm) | .030<br>(0.8 mm) | .035<br>(0.9 mm) | .045<br>(1.2 mm) | Guide      |
| SideKick™/SideKick™ XL                                         | 090423                | 090423           | 090423           | —                | 119028           | 119028           | 127229           | 058549     |
| Cricket®/Cricket® XL                                           | 119028                | 119028           | —                | —                | 119028           | 119028           | —                | 058549     |
| Millermatic® 90/130/Challenger                                 | 119028                | 119028           | —                | —                | 119028           | 119028           | —                | 058549     |
| Millermatic® 130 XP                                            | 090423                | 090423           | 090423           | —                | 119028           | 119028           | —                | 058549     |
| Millermatic® 150/185                                           | 090423                | 090423           | 090423           | —                | 119028           | 119028           | 127229           | 058549     |
| Millermatic® Challenger™172                                    | 090423                | 090423           | 090423           | —                | 119028           | 119028           | 127229           | 058549     |
| Millermatic® Passport™ / Passport™ Plus<br>135/140/175/180/211 | 202925                | 202925           | 202925           | —                | 202926           | 202926           | 202926           | 058549     |
| Millermatic® 125 Hobby/141/190/211<br>standard drive¹          | 261157                | 261157           | 261157           | —                | 261157           | 261157           | —                | 261151     |
| Multimatic™ 200 standard drive rolls¹                          | 261157                | 261157           | 261157           | —                | 261157           | 261157           | —                | 261151     |

¹Optional Drive Rolls V-Groove .023/.024(0.6mm), .030(0.8mm) and .035(0.9mm) 220179; V-Knurl .030(0.8mm), .035(0.9mm) and .045(1.2mm) 202926; Inlet Wire 261151

## XR Controls Drive Rolls

### Polished U-Groove

| Machine      | 268847            | 268847            | 268848             | 268849             | 268850             |
|--------------|-------------------|-------------------|--------------------|--------------------|--------------------|
| XR/XR-S/XR-D | .030 in. (.76 mm) | .035 in. (.89 mm) | .040 in. (1.02 mm) | .047 in. (1.19 mm) | .062 in. (1.58 mm) |

Note: Each Drive Roll Kit includes 1 Drive Roll, 1 Drive Idler, 2 Washers and 1 Screw.

## Spoolgun Drive Rolls

|                             | V-Knurl           | V-Knurl           | V-Knurl           | U-Knurl           | Inlet Wire |
|-----------------------------|-------------------|-------------------|-------------------|-------------------|------------|
| Spoolguns                   | .030 in. (0.8 mm) | .035 in. (0.9 mm) | .045 in. (1.2 mm) | .062 in. (1.6 mm) | Guide      |
| Spoolmate™ 100/150/185/3035 | 186413            | 186413            | —                 | —                 | 186410     |
| Spoolmate™ 200/3545         | 186413            | 186413            | 199396            | —                 | 186410     |
| Spoolmate® 15A/30A          | 136135            | 136135            | 136135            | 136135            | 132521     |
| Spoolmate® 15A/30A          | 183357            | 183357            | 183358            | 183358            | 132521     |
| Spoolmate® 1, 2, 3          | 053131            | 053131            | 053131            | 053131            | 058549     |
| XR™-15/XR™-30               | 053131            | 053131            | 053131            | 053131            | on conduit |
| XR™-A /XR™-W Pistol         | 136135            | 136135            | 136135            | 136135            | on conduit |
| XR™-A /XR™-W Pistol         | 183357            | 183357            | 183358            | 183358            | on conduit |
| XR™-Edge                    | 194114            | 194115            | 194116            | 194117            | on conduit |
| XR™Aluma-Pro™               | 227434            | 227434            | 227434            | 227434            | 227408     |
| XR™Aluma-Pro™ Lite          | 254756            | 254756            | 254756            | 254756            | 227408     |
| XR™Aluma-Pro™ Plus          | 227434            | 227434            | 227434            | 227434            | 227408     |

## Sub Arc Drive Rolls

| Machine                    | Part # | Description           | Wire Sizes                   |
|----------------------------|--------|-----------------------|------------------------------|
| RAD-400, RAD-400T, RAD-780 | 132955 | V-K Groove Drive Roll | 1/16 in. (.062 in. - 1.6 mm) |
|                            | 132960 | V-K Groove Drive Roll | 5/64 in. (.79 in. - 2.0 mm)  |
|                            | 132961 | V-K Groove Drive Roll | 3/32 in. (.094 in. - 2.4 mm) |
|                            | 132962 | V-K Groove Drive Roll | 7/64 in. (.110 in. - 2.8 mm) |
|                            | 132963 | V-K Groove Drive Roll | 1/8 in. (.125 in. - 3.2 mm)  |
|                            | 193700 | V-K Groove Drive Roll | 5/32 in. (.156 in. - 4.0 mm) |
|                            | 193701 | V-K Groove Drive Roll | 3/16 in. (.188 in. - 4.8 mm) |

## Engine Tune-Up Components

| Engine Drive                                   | Engine Model           | Engine Tune-Up Kit # | Oil Filter #    | Air Filter # | Air Filter Pre Cleaner # | Air Filter (Safety Element) # |
|------------------------------------------------|------------------------|----------------------|-----------------|--------------|--------------------------|-------------------------------|
| Big 40®                                        | Continental F-163      | —                    | 061760          | 017309       | —                        | —                             |
| Big 40® Diesel                                 | Continental TMD-20     | —                    | 064983          | 020319       | —                        | —                             |
| Big 40® Diesel (CAT)                           | Caterpillar 3024C/C2.2 | 246985               | 202166          | 192938       | —                        | 192939                        |
| Big 40® G                                      | Continental TM-20      | —                    | 114559          | 017309       | —                        | —                             |
| Big 50® Diesel (Prior to JK718458)             | Continental TMD-27     | —                    | 064983          | 020319       | —                        | —                             |
| Big 50® Diesel (Eff. with JK718458)            | Continental TMD-27     | —                    | 064983          | 020319       | —                        | —                             |
| Big Blue® 251D (Prior to KF846844)             | Deutz F3L1011          | —                    | —               | —            | —                        | —                             |
| Big Blue® 251D (Eff. with KF846844)            | Deutz F3L1011          | —                    | 067265          | —            | —                        | —                             |
| Big Blue® 251D (Eff. with LA153592)            | Deutz F3L1011          | —                    | 067265          | 197676       | —                        | 197679                        |
| Big Blue® 300 Pro                              | Perkins 403C-15        | —                    | 197899          | 197676       | —                        | 197679                        |
|                                                | Caterpillar C1.5       | 246987               | 202166          | 197676       | —                        | 197679                        |
|                                                | Deutz 2008             | 246986               | 228778 (246986) | 197676       | —                        | 197679                        |
|                                                | Mitsubishi-S4L2        | 252782               | 242882          | 197676       | —                        | —                             |
| Big Blue® 302D                                 | Deutz F3L1011          | —                    | 067265          | 192938       | —                        | 192939                        |
| Big Blue® 302P                                 | Perkins 104.22         | —                    | 197899          | 192938       | —                        | 192939                        |
| Big Blue® 350 PipePro® (Prior to MA 250132E)   | Mitsubishi-S4L2        | 252782               | 242882          | 197676       | —                        | 197679                        |
| Big Blue® 350 PipePro® (Eff. s/n MA250132)     | Mitsubishi-S4L2        | 252782               | 242882          | 197676       | —                        | 197679                        |
| Big Blue® 350 PipePro®                         | Caterpillar C1.5       | 246987               | 202166          | 197676       | —                        | 197679                        |
| Big Blue® 400 Pro                              | Kubota V1505           | 253901               | 196428          | 197676       | —                        | 197679                        |
| Big Blue® 400 Pro/PipePro®                     | Caterpillar C1.5T      | 274427               | 202166          | 197676       | —                        | 197679                        |
|                                                | Caterpillar C1.5       | 262459               | 202166          | 197676       | —                        | 197679                        |
|                                                | Mitsubishi S4L2        | 252782               | 242882          | 197676       | —                        | 197679                        |
| Big Blue® 400/500 ECO Pro                      | Mitsubishi-S4L2        | 252782               | 242882          | 197676       | —                        | 197679                        |
| Big Blue® 400D                                 | Deutz F3L2011          | 246988               | 067265          | 192938       | —                        | 192939                        |
|                                                | Perkins 404.22         | 246985               | 197899          | 192938       | —                        | 192939                        |
|                                                | Deutz F3L912           | —                    | 064677          | 020319       | —                        | —                             |
| Big Blue® 402D/502D/602D                       | Deutz F4L1011          | —                    | 067265          | 192938       | —                        | 192939                        |
|                                                | Deutz F3L912           | —                    | 064677          | 192938       | —                        | 192939                        |
| Big Blue® 402P/502P/602P                       | Perkins 3.152          | —                    | 192936          | 192938       | —                        | 192939                        |
| Big Blue® 450 Duo CST™                         | Mitsubishi S4L2        | 252782               | 242882          | 197676       | —                        | 197679                        |
| Big Blue® 500 Pro                              | Kubota V2403           | 273293               | 273287 (273293) | 273283       | —                        | 273284                        |
| Big Blue® 500 Pro (Deutz) <sup>4</sup>         | Deutz 2.9L4            | 262459               | 067265          | 192938       | —                        | 192939                        |
| Big Blue® 500X                                 | Deutz F3L912           | 246989               | 064677          | 192938       | —                        | 192939                        |
|                                                | Deutz F4L2011          | 246988               | 067265          | 192938       | —                        | 192939                        |
|                                                | Perkins 404.22T        | 246985               | 197899          | 192938       | —                        | 192939                        |
| Big Blue® 600 Pro                              | Kubota V2403           | 273293               | 273287 (273293) | 273283       | —                        | 273284                        |
| Big Blue® 600 Pro AirPak™ (Deutz) <sup>4</sup> | Deutz 2.9L4            | 262459               | 067265          | 192938       | —                        | 192939                        |
| Big Blue® 600D                                 | Deutz F4L912           | —                    | 064677          | 020319       | —                        | —                             |
| Big Blue® 700 Dual Pro <sup>2</sup>            | Deutz F4L2011          | 246988               | 067265          | 192938       | —                        | 192939                        |
| Big Blue® 800 Duo Pro                          | Deutz TD2.94L4         | 262459               | 067265          | 192938       | —                        | 192939                        |
| Big Blue® 800 Duo Pro AirPak™                  | Deutz TD2.9L4          | 262459               | 067265          | 192939       | —                        | 192939                        |
| Big Blue® 800 Duo Pro AirPak™ (Deutz)          | Deutz 2.9L4            | 262459               | —               | —            | —                        | —                             |
| Big Blue® AirPak™ <sup>1</sup>                 | Deutz BF4M 2011        | 246988               | 067265          | 192938       | —                        | 192939                        |
| Big Blue® Turbo                                | Deutz BF4M 2011        | 246988               | 067265          | 192938       | —                        | 192939                        |

<sup>1</sup>Prior to serial number LB043908 use 020319. Effective with serial number LB043908 use 192938.

<sup>2</sup>Effective with serial number LB043908 use 192939.

<sup>4</sup>D=GP 24; DPlus=GP 58.

<sup>5</sup>G=GP U1; GPlus=GP 58.

<sup>7</sup>250=GP 24; 251=GP 58.



# Engine Tune-Up Components

| Engine Drive                                 | Engine Model           | Fuel Filter (Primary) # | Fuel Filter (Secondary) # | Battery      | Spark Plug | Compressor Tune-Up Kit |
|----------------------------------------------|------------------------|-------------------------|---------------------------|--------------|------------|------------------------|
| Big 40®                                      | Continental F-163      | —                       | —                         | GP 24        | —          | —                      |
| Big 40® Diesel                               | Continental TMD-20     | 192744                  | —                         | GP 24        | —          | —                      |
| Big 40® Diesel (CAT)                         | Caterpillar 3024C/C2.2 | 192744                  | 202167                    | GP 24        | —          | —                      |
| Big 40® G                                    | Continental TM-20      | 047420                  | —                         | GP 24        | —          | —                      |
| Big 50® Diesel (Prior to JK718458)           | Continental TMD-27     | 062342                  | —                         | GP 24        | —          | —                      |
| Big 50® Diesel (Eff. with JK718458)          | Continental TMD-27     | 192744                  | —                         | GP 24        | —          | —                      |
| Big Blue® 251D (Prior to KF846844)           | Deutz F3L1011          | 192744                  | 066217                    | GP 55        | —          | —                      |
| Big Blue® 251D (Eff. with KF846844)          | Deutz F3L1011          | 192744                  | 066217                    | GP 55        | —          | —                      |
| Big Blue® 251D (Eff. with LA153592)          | Deutz F3L1011          | 192744                  | 066217                    | GP 55        | —          | —                      |
| Big Blue® 300 Pro                            | Perkins 403C-15        | 213858                  | 197997                    | GP 55        | —          | —                      |
|                                              | Caterpillar C1.5       | 213858                  | 202167                    | GP 55        | —          | —                      |
|                                              | Deutz 2008             | 213858                  | 202167                    | GP 55        | —          | —                      |
|                                              | Mitsubishi-S4L2        | 252781                  | 213858                    | GP 55        | —          | —                      |
| Big Blue® 302D                               | Deutz F3L1011          | 192744                  | 066217                    | GP 24        | —          | —                      |
| Big Blue® 302P                               | Perkins 104.22         | 192744                  | 197997                    | GP 24        | —          | —                      |
| Big Blue® 350 PipePro® (Prior to MA 250132E) | Mitsubishi-S4L2        | 213858                  | 242881 (244711)           | GP 55        | —          | —                      |
| Big Blue® 350 PipePro® (Eff. s/n MA250132)   | Mitsubishi-S4L2        | 213858                  | 252781                    | GP 55        | —          | —                      |
| Big Blue® 350 PipePro®                       | Caterpillar C1.5       | —                       | 202167                    | GP 55        | —          | —                      |
| Big Blue® 400 Pro                            | Kubota V1505           | 207715                  | —                         | BCI 35 or 55 | —          | —                      |
| Big Blue® 400 Pro/PipePro®                   | Caterpillar C1.5T      | 273865                  | 217687                    | BCI 35 or 55 | —          | —                      |
| Big Blue® 400/500 ECO Pro                    | Caterpillar C1.5       | 213858                  | 202167                    | GP 35        | —          | —                      |
|                                              | Mitsubishi S4L2        | 213858                  | 252781                    | BCI 35 or 55 | —          | —                      |
| Big Blue® 400/500 ECO Pro                    | Mitsubishi-S4L2        | 213858                  | 252781                    | BCI 35 or 55 | —          | —                      |
| Big Blue® 400D                               | Deutz F3L2011          | 192744                  | 066217                    | GP 24        | —          | —                      |
|                                              | Perkins 404.22         | 192744                  | 197997                    | GP 24        | —          | —                      |
|                                              | Deutz F3L912           | 062342                  | 064686                    | GP 24        | —          | —                      |
| Big Blue® 402D/502D/602D                     | Deutz F4L1011          | 192744                  | 066217                    | GP 24        | —          | —                      |
|                                              | Deutz F3L912           | 192744                  | 064686                    | GP 24        | —          | —                      |
|                                              | Perkins 3.152          | 192744                  | 192937                    | GP 24        | —          | —                      |
| Big Blue® 402P/502P/602P                     | Perkins 3.152          | 192744                  | 192937                    | GP 24        | —          | —                      |
| Big Blue® 450 Duo CST™                       | Mitsubishi S4L2        | 213858                  | 252781                    | GP 35        | —          | —                      |
| Big Blue® 500 Pro                            | Kubota V2403           | 273285                  | 273286                    | BCI 31       | —          | —                      |
| Big Blue® 500 Pro (Deutz)⁴                   | Deutz 2.9L4            | 255764                  | 255765                    | GP 31        | —          | —                      |
| Big Blue® 500X                               | Deutz F3L912           | 192744                  | 064686                    | GP 24        | —          | —                      |
|                                              | Deutz F4L2011          | 192744                  | 066217                    | GP 24        | —          | —                      |
|                                              | Perkins 404.22T        | 192744                  | 197997                    | GP 24        | —          | —                      |
| Big Blue® 600 Pro                            | Kubota V2403           | 273285                  | 273286                    | GP 31        | —          | —                      |
| Big Blue® 600 Pro AirPak™ (Deutz)⁴           | Deutz 2.9L4            | 225764                  | 255765                    | GP 31        | —          | 279121                 |
| Big Blue® 600D                               | Deutz F4L912           | 062342                  | 064686                    | GP 24        | —          | —                      |
| Big Blue® 700 Dual Pro²                      | Deutz F4L2011          | 192744                  | 066217                    | GP 24        | —          | —                      |
| Big Blue® 800 Duo Pro                        | Deutz TD2.94L4         | 255764                  | 255765                    | GP 31        | —          | —                      |
| Big Blue® 800 Duo Pro AirPak™                | Deutz TD2.9L4          | 255754                  | 255765                    | GP 31        | —          | —                      |
| Big Blue® 800 Duo Pro AirPak™ (Deutz)        | Deutz 2.9L4            | —                       | —                         | GP 31        | —          | 279121                 |
| Big Blue® AirPak™ ¹                          | Deutz BF4M 2011        | 192744                  | 066217                    | GP 24        | —          | 279121                 |
| Big Blue® Turbo                              | Deutz BF4M 2011        | 192744                  | 066217                    | GP 24        | —          | —                      |

¹Prior to serial number LB043908 use 020319. Effective with serial number LB043908 use 192938.

²Effective with serial number LB043908 use 192939.

³D=GP 24; DPlus=GP 58.

⁴G=GP U1; GPlus=GP 58.

⁵250=GP 24; 251=GP 58.



## Engine Tune-Up Components

| Engine Drive                           | Engine Model                             | Engine Tune-Up Kit # | Oil Filter # | Air Filter #         | Air Filter Pre Cleaner # | Air Filter (Safety Element) # |
|----------------------------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------------|-------------------------------|
| Blue Charger™                          | Onan Performer P218                      | 137046               | 065251       | 064617               | 065653                   | —                             |
| Blue Charger™ NT                       | Onan Performer P218                      | 137046               | 065251       | 064617               | 065653                   | —                             |
| Blue Star® 145                         | Kohler/Rehiko CS10TG                     | 221581               | —            | 221579               | 221580                   | —                             |
| Blue Star® 145 DX                      | Kohler/Rehiko CS10STG                    | 221584               | —            | 221582               | 221583                   | —                             |
|                                        | Yamaha MZ300                             | 258078               | —            | 258077               | 264325                   | —                             |
| Blue Star® 185                         | Honda GX390                              | 220305               | —            | 220303 <sup>12</sup> | —                        | —                             |
| Blue Star® 185 (ME330051R)             | Kohler/Rehiko CH440                      | 268469               | —            | 268468               | —                        | —                             |
| Blue Star® 185 DX                      | Kohler/Rehiko CS12STG                    | 221584               | —            | 221582               | 221583                   | 264325                        |
|                                        | Yamaha MZ360                             | 258078               | —            | 258077               | —                        | —                             |
| Blue Star® 3500                        | Honda GX270                              | 220305               | —            | 220303               | —                        | —                             |
|                                        | Kohler/Rehiko Command CS8.5TG            | —                    | —            | 203952               | 203954                   | —                             |
| Blue Star® 6000                        | Honda GX390                              | 220305               | —            | 220303               | —                        | —                             |
|                                        | Kohler/Rehiko Command CS12STG            | —                    | —            | 203952               | 203954                   | —                             |
| Bobcat™ 200 AirPak™                    | Kohler/Rehiko CH730 with eChoke™         | 230015               | 066698       | 230016               | 230017                   | —                             |
|                                        | Kohler/Rehiko EFI ECH730                 | 284119               | 066698       | 284123               | 284122                   | —                             |
| Bobcat™ 200 AirPak™ Diesel             | Kubota D722                              | 284101               | 187443       | 187441               | —                        | —                             |
| Bobcat™ 225 NT                         | Kohler/Rehiko Command CH18/CH20          | 180096               | 066698       | 067272               | 067273                   | —                             |
|                                        | Onan Performer P-216                     | 137046               | 065251       | 064617               | 065653                   | —                             |
|                                        | Onan Performer P-220                     | 137046               | 065251       | 064617               | 065653                   | —                             |
|                                        | Onan Performer OHV220/Robin              | 199062               | 198754       | 198755               | With Air Filter          | —                             |
| Bobcat™ 225/250 (Front Engine)         | Kohler/Rehiko Command CH730              | 230015               | 066698       | 230016               | 230017                   | —                             |
|                                        | Kohler/Rehiko CH730LP                    | 257838               | 066698       | 067272               | —                        | —                             |
|                                        | Subaru EH65                              | 199062               | 198754       | 198755               | With Air Filter          | —                             |
| Bobcat™ 225/250 (Rear Engine)          | Kohler/Rehiko Command CH23/CH680         | 230015               | 066698       | 230016               | 230017                   | —                             |
|                                        | Kohler/Rehiko Command CH20               | 180096               | 066698       | 067272               | 067273                   | —                             |
|                                        | Kohler/Rehiko Command CH730LP            | 180096               | 066698       | 067272               | 067273                   | —                             |
|                                        | Robin EH 64/65                           | 199062               | 198754       | 198755               | With Air Filter          | —                             |
| Bobcat™ 225/260 w/Remote Start/Stop    | Kohler/Rehiko Command CH730 with eChoke™ | 230015               | 066698       | 230016               | 230017                   | —                             |
| Bobcat™ 225D/225D Plus                 | Deutz/Rugg. MD-151                       | —                    | —            | —                    | —                        | —                             |
| Bobcat™ 225G/225G Plus                 | Onan Performer P-216                     | 137046               | 065251       | 064617               | 065653                   | —                             |
| Bobcat™ 225G Plus                      | Kohler/Rehiko Command CH18               | 180096               | 066698       | 067272               | 067273                   | —                             |
| Bobcat® 230 / 3 Phase                  | Kohler/Rehiko CH730-3343                 | 284083               | 066698       | 230016               | 230017                   | —                             |
| Bobcat™ 250 NT                         | Kohler/Rehiko Command CH20               | 180096               | 066698       | 067272               | 067273                   | —                             |
|                                        | Onan Performer P-220                     | 137046               | 065251       | 064617               | 065653                   | —                             |
|                                        | Onan Performer OHV220/Robin              | 199062               | 198754       | 198755               | With Air Filter          | —                             |
| Bobcat™ 250 D NT                       | Kubota D722FB-25                         | 206421               | 187443       | 187441               | —                        | —                             |
| Bobcat™ 250 Diesel                     | Kubota D722FB-25                         | 206421               | 187443       | 187441               | —                        | —                             |
| Bobcat™ 250 Diesel (MD210321R)         | Kubota D722                              | 259935               | 187443       | 258349               | —                        | —                             |
| Bobcat™ 250EFI (Front Engine)          | Kohler/Rehiko Command ECH730             | 246115               | 066698       | 230016               | 230017                   | —                             |
| Bobcat™ 250EFI (Rear Engine)           | Kohler/Rehiko Command ECH730             | 246115               | 066698       | 230016               | 230017                   | —                             |
| Bobcat™ 260 Diesel w/Remote Start/Stop | Kubota D722                              | 259935               | 187443       | 258349               | —                        | —                             |
| Bobcat™ 260 EFI w/Remote Start/Stop    | Kohler/Rehiko Command ECH730             | 284083               | 066698       | 230016               | 230017                   | —                             |
| Bobcat™ 260 LP                         | Kohler/Rehiko Command CH730LP            | 252838               | 066698       | 067272               | 067273                   | —                             |
| Bobcat® 265                            | Kohler/Rehiko CH730-3342                 | 284083               | 066698       | 230016               | 230017                   | —                             |
| Bobcat® 265 AirPak™                    | Kohler/Rehiko ECH-749                    | 294669               | 066698       | 284123               | 284122                   | —                             |
| Bobcat™ 265LP                          | Kohler/Rehiko CH730-0228                 | 252838               | 066698       | 067272               | 067273                   | —                             |
| Bobcat™ 3 Phase (Front Engine)         | Kohler/Rehiko Command CH23/CH680         | 230015               | 066698       | 230016               | 230017                   | —                             |
| Bobcat™ 3 Phase (Rear Engine)          | Kohler/Rehiko Command CH730              | 230015               | 066698       | 230016               | 230017                   | —                             |

<sup>1</sup>Prior to serial number LB043908 use 020319. Effective with serial number LB043908 use 192938.

<sup>2</sup>Effective with serial number LB043908 use 192939.

<sup>4</sup>D=GP 24; DPlus=GP 58.

<sup>5</sup>G=GP U1; GPlus=GP 58.

<sup>7</sup>250=GP 24; 251=GP 58.



## Engine Tune-Up Components

| Engine Drive                           | Engine Model                             | Fuel Filter (Primary) # | Fuel Filter (Secondary) # | Battery      | Spark Plug | Compressor Tune-Up Kit |
|----------------------------------------|------------------------------------------|-------------------------|---------------------------|--------------|------------|------------------------|
| Blue Charger™                          | Onan Performer P218                      | 237857                  | —                         | GP 58        | 065709     | —                      |
| Blue Charger™ NT                       | Onan Performer P218                      | 237857                  | —                         | GP 58        | 065709     | —                      |
| Blue Star® 145                         | Kohler/Rehiko CS10TG                     | —                       | —                         | —            | 203960     | —                      |
| Blue Star® 145 DX                      | Kohler/Rehiko CS10STG                    | 264297                  | —                         | GP U1        | 203960     | —                      |
|                                        | Yamaha MZ300                             | 264297                  | —                         | GP U1        | 203960     | —                      |
| Blue Star® 185                         | Honda GX390                              | —                       | —                         | —            | 190108     | —                      |
| Blue Star® 185 (ME330051R)             | Kohler/Rehiko CH440                      | 246110                  | —                         | GP U1        | 268467     | —                      |
| Blue Star® 185 DX                      | Kohler/Rehiko CS12STG                    | —                       | —                         | GP U1        | 203960     | —                      |
|                                        | Yamaha MZ360                             | 264297                  | —                         | GP U1        | 203960     | —                      |
| Blue Star® 3500                        | Honda GX270                              | —                       | —                         | —            | 190108     | —                      |
|                                        | Kohler/Rehiko Command CS8.5TG            | —                       | —                         | —            | 203960     | —                      |
| Blue Star® 6000                        | Honda GX390                              | —                       | —                         | —            | 190108     | —                      |
|                                        | Kohler/Rehiko Command CS12STG            | —                       | —                         | —            | 203960     | —                      |
| Bobcat™ 200 AirPak™                    | Kohler/Rehiko CH730 with eChoke™         | 215984                  | —                         | Group 51R    | 067007     | 275644                 |
|                                        | Kohler/Rehiko EFI ECH730                 | 246112                  | —                         | Group 51R    | 067007     | 275644                 |
| Bobcat™ 200 AirPak™ Diesel             | Kubota D722                              | 259934                  | 213858                    | Group 51R    | —          | 275644                 |
| Bobcat™ 225 NT                         | Kohler/Rehiko Command CH18/CH20          | 215984                  | —                         | GP 58        | 067007     | —                      |
|                                        | Onan Performer P-216                     | 237857                  | —                         | GP 58        | 065709     | —                      |
|                                        | Onan Performer P-220                     | 237857                  | —                         | GP 58        | 065709     | —                      |
|                                        | Onan Performer OHV220/Robin              | 237857                  | —                         | GP 58        | 198777     | —                      |
| Bobcat™ 225/250 (Front Engine)         | Kohler/Rehiko Command CH730              | 215984                  | —                         | GP 58        | 067007     | —                      |
|                                        | Kohler/Rehiko CH730LP                    | —                       | —                         | GP 58        | 067007     | —                      |
|                                        | Subaru EH65                              | 237857                  | —                         | GP 58        | 198777     | —                      |
| Bobcat™ 225/250 (Rear Engine)          | Kohler/Rehiko Command CH23/CH680         | 215984                  | —                         | GP 58        | 067007 (2) | —                      |
|                                        | Kohler/Rehiko Command CH20               | 215984                  | —                         | GP 58        | 067007 (2) | —                      |
|                                        | Kohler/Rehiko Command CH730LP            | 252837                  | —                         | GP 58        | 067007 (2) | —                      |
|                                        | Robin EH 64/65                           | 237857                  | —                         | GP 58        | 198777     | —                      |
| Bobcat™ 225/260 w/Remote Start/Stop    | Kohler/Rehiko Command CH730 with eChoke™ | 215984                  | —                         | GP 58        | 067007 (2) | —                      |
| Bobcat™ 225D/225D Plus                 | Deutz/Rugg. MD-151                       | —                       | —                         | —            | —          | —                      |
| Bobcat™ 225G/225G Plus                 | Onan Performer P-216                     | 257837                  | —                         | (See note 5) | 065709     | —                      |
| Bobcat™ 225G Plus                      | Kohler/Rehiko Command CH18               | 215984                  | —                         | GP 58        | 067007 (2) | —                      |
| Bobcat® 230 / 3 Phase                  | Kohler/Rehiko CH730-3343                 | 283614                  | —                         | GP 26        | 067007     | —                      |
| Bobcat™ 250 NT                         | Kohler/Rehiko Command CH20               | 215984                  | —                         | GP 58        | 067007 (2) | —                      |
|                                        | Onan Performer P-220                     | 237857                  | —                         | GP 58        | 065709     | —                      |
|                                        | Onan Performer OHV220/Robin              | 237857                  | —                         | GP 58        | 198777     | —                      |
| Bobcat™ 250 D NT                       | Kubota D722FB-25                         | 187442                  | 213858                    | GP 58        | —          | —                      |
| Bobcat™ 250 Diesel                     | Kubota D722FB-25                         | 187442                  | 213858                    | GP 58        | —          | —                      |
| Bobcat™ 250 Diesel (MD210321R)         | Kubota D722                              | 259934                  | 213858                    | GP 58        | —          | —                      |
| Bobcat™ 250EFI (Front Engine)          | Kohler/Rehiko Command ECH730             | 246110                  | 246112                    | GP 58        | 067007 (2) | —                      |
| Bobcat™ 250EFI (Rear Engine)           | Kohler/Rehiko Command ECH730             | 246110                  | 246112                    | GP 58        | 067007 (2) | —                      |
| Bobcat™ 260 Diesel w/Remote Start/Stop | Kubota D722                              | 259934                  | 213858                    | GP 58        | —          | —                      |
| Bobcat™ 260 EFI w/Remote Start/Stop    | Kohler/Rehiko Command ECH730             | 283614                  | —                         | GP 58        | 067007 (2) | —                      |
| Bobcat™ 260 LP                         | Kohler/Rehiko Command CH730LP            | 252837                  | —                         | GP 58        | 067007 (2) | —                      |
| Bobcat® 265                            | Kohler/Rehiko CH730-3342                 | 283614                  | —                         | GP 26        | 067007     | —                      |
| Bobcat® 265 AirPak™                    | Kohler/Rehiko ECH-749                    | 283614                  | —                         | GP 51R       | 067007     | 275644                 |
| Bobcat® 265LP                          | Kohler/Rehiko CH730-0228                 | 252837                  | —                         | GP 26        | 067007     | —                      |
| Bobcat™ 3 Phase (Front Engine)         | Kohler/Rehiko Command CH23/CH680         | 215984                  | —                         | GP 58        | 067007 (2) | —                      |
| Bobcat™ 3 Phase (Rear Engine)          | Kohler Command CH730                     | 215984                  | —                         | GP 58        | 067007 (2) | —                      |

<sup>1</sup>Prior to serial number LB043908 use 020319.

<sup>2</sup>Effective with serial number LB043908 use 192938.

<sup>3</sup>Effective with serial number LB043908 use 192939.

<sup>4</sup>D=GP 24; DPlus=GP 58.

<sup>5</sup>G=GP U1; GPlus=GP 58.

<sup>7</sup>250=GP 24; 251=GP 58.

## Engine Tune-Up Components

| Engine Drive                | Engine Model                          | Engine Tune-Up Kit # | Oil Filter # | Air Filter # | Air Filter Pre Cleaner # | Air Filter (Safety Element) # |
|-----------------------------|---------------------------------------|----------------------|--------------|--------------|--------------------------|-------------------------------|
| EnPak® A28                  | Kohler/Rehiko CH730-3220              | 230015               | 066698       | 230016       | 230017                   | —                             |
| EnPak® A30 Diesel           | Kubota D722                           | 284101               | 187443       | 187441       | —                        | —                             |
| EnPak® A30 Gas              | Kohler/Rehiko ECH730-3084             | 284119               | 066698       | 284123       | 284122                   | —                             |
| EnPak® A60                  | Kubota D902                           | 262701               | 187443       | 187441       | —                        | —                             |
| Enpak® A60GB/GBH/GBW/GBHW   | Kubota D902Turbo                      | 284101               | 187443       | 187441       | —                        | 202102                        |
| EnPak® Mechanic Series      | Kubota D1105                          | 249288               | 196428       | 197676       | —                        | —                             |
| Fusion 160                  | Kohler/Rehiko CH440                   | 268469               | —            | 268468       | —                        | —                             |
| Fusion 185                  | Kohler/Rehiko CH440-3170              | 268469               | —            | 268468       | —                        | —                             |
| HDI 265/325 AirPak™         | —                                     | —                    | —            | —            | —                        | —                             |
| Miller AirPak™              | Deutz F4L912                          | —                    | 064677       | 020319       | —                        | —                             |
| Miller Du-Op™               | Deutz F3L912/914                      | 246989               | 249605       | See note 1   | —                        | See note 2                    |
| Miller Legend®              | Onan Performer P-218                  | 137046               | 065251       | 064617       | 065653                   | —                             |
| Miller Legend® 301 G/302    | Kohler/Rehiko Command CH23            | 230015               | 066698       | 230016       | 230017                   | —                             |
|                             | Kohler/Rehiko Command CH20            | 180096               | 066699       | 067272       | 067273                   | —                             |
| Miller Legend® NT           | Onan Performer P-218                  | 137046               | 065251       | 064617       | 065653                   | —                             |
| PipePro® 304                | Kubota DH905/1005                     | 246990               | 196428       | 187441       | —                        | 202102                        |
| PRO 300                     | Catpillar 3013C/C1.5                  | 246987               | 202166       | 197676       | —                        | 197679                        |
| Renegade™ 180               | Kohler/Rehiko 8.5, CS10, 12.0         | 221581               | —            | 221579       | 221580                   | —                             |
| Trailblazer® 250G/251       | Onan Performer P-220                  | 137046               | 065251       | 064617       | 065653                   | —                             |
| Trailblazer® 251 NT         | Onan Performer P-220                  | 137046               | 065251       | 064617       | 065653                   | —                             |
| Trailblazer® 275 DC/302     | Kohler/Rehiko Command CH23            | 230015               | 066698       | 230016       | 230017                   | —                             |
|                             | Kohler/Rehiko Command CH20/CH730      | 180096               | 066698       | 067272       | 067273                   | —                             |
|                             | Kohler/Rehiko Command CH23/CH680      | 230015               | 066698       | 230016       | 230017                   | —                             |
|                             | Robin EH 64/65                        | 199062               | 198754       | 198755       | With Air Filter          | —                             |
| Trailblazer® 275 DC/302 EFI | Kohler/Rehiko Command ECH730          | 246115               | 066698       | 230016       | 230017                   | —                             |
| Trailblazer® 275/325        | Kohler/Rehiko Command CH730 w/e-gov   | 230015               | 066698       | 230016       | 230017                   | —                             |
|                             | Kohler/Rehiko Command CH730LP w/e-gov | 252838               | 066698       | 067272       | 067273                   | —                             |
| Trailblazer® 275/325 EFI    | Kohler/Rehiko Command ECH730 w/e-gov  | 246115               | 066698       | 230016       | 230017                   | —                             |
| Trailblazer® 280 NT         | Kohler/Rehiko Command CH20            | 180096               | 066698       | 067272       | 067273                   | —                             |
|                             | Onan Performer P-220                  | 180096               | 066698       | 067272       | 067273                   | —                             |
| Trailblazer® 300 D NT/301 D | Kubota D722FB-25                      | 206421               | 187443       | 187441       | —                        | —                             |
| Trailblazer® 301 G          | Onan Performer P-220                  | 137046               | 065251       | 064617       | 065653                   | —                             |
|                             | Onan Performer OHV220/Robin           | 199062               | 198754       | 198755       | With Air Filter          | —                             |
| Trailblazer® 302 AirPak™    | Kohler/Rehiko CH750                   | 238473               | 066698       | 238744       | 238745                   | —                             |
| Trailblazer® 302 Diesel     | Kubota D722FB-25                      | 206421               | 187443       | 187441       | —                        | —                             |
| Trailblazer® 325 Diesel     | Kubota D902                           | 259935               | 187443       | 258349       | —                        | —                             |
| Trailblazer® 330 Airpak™    | Kohler/Rehiko ECH-749                 | 294669               | 066698       | 284123       | 284122                   | —                             |
| Trailblazer® 330 Carb       | Kohler/Rehiko CH730-3346              | 284083               | 066698       | 230016       | 230017                   | —                             |
| Trailblazer® 330 EFI        | Kohler/Rehiko ECH730-3096             | 284083               | 066698       | 230016       | 230017                   | —                             |
| Trailblazer® 330 Diesel     | Kubota D902-E4B-MLR-3                 | 259935               | 187443       | 258349       | —                        | —                             |
| Trailblazer® DC/301 G       | Kohler/Rehiko Command CH20            | 180096               | 066698       | 067272       | 067273                   | —                             |
| Trailblazer® Pro 350        | Kubota DH905/1005                     | 246990               | 196428       | 187441       | —                        | 202102                        |
| Wildcat® 200                | Subaru Ex 40                          | 240585               | —            | 240597       | —                        | —                             |

<sup>1</sup>Prior to serial number LB043908 use 020319. Effective with serial number LB043908 use 192938.

<sup>2</sup>Effective with serial number LB043908 use 192939.

<sup>3</sup>D=GP 24; DPlus=GP 58.

<sup>4</sup>G=GP U1; GPlus=GP 58.

<sup>5</sup>250=GP 24; 251=GP 58.



## Engine Tune-Up Components

| Engine Drive                | Engine Model                             | Fuel Filter (Primary)<br># | Fuel Filter (Secondary) # | Battery    | Spark Plug | Compressor<br>Tune-Up Kit |
|-----------------------------|------------------------------------------|----------------------------|---------------------------|------------|------------|---------------------------|
| EnPak® A28                  | Kohler/Rehiko CH730-3220                 | 215984                     | —                         | BCI 51R    | 067007 (2) | 275644                    |
| EnPak® A30 Diesel           | Kubota D722                              | 259934                     | —                         | BCI 51R    | —          | 275644                    |
| EnPak® A30 Gas              | Kohler/Rehiko ECH730-3084                | 246112                     | —                         | BCI 51R    | 067007 (2) | 275644                    |
| EnPak® A60                  | Kubota D902                              | 259934                     | —                         | —          | —          | 279123                    |
| Enpak® A60GB/GBH/GBW/GBHW   | Kubota D902Turbo                         | 259934                     | 265939                    | —          | —          | 279123                    |
| EnPak® Mechanic Series      | Kubota D902                              | 207715                     | 213858                    | —          | —          | 235202                    |
| Fusion 160                  | Kohler/Rehiko CH440                      | 246110                     | —                         | GP U1      | 268467     | —                         |
| Fusion 185                  | Kohler/Rehiko CH440-3170                 | 246110                     | —                         | GP U1      | 268467     | —                         |
| HDI 265/325 AirPak™         | —                                        | —                          | —                         | —          | —          | 279123                    |
| Miller AirPak™              | Deutz F4L912                             | 062342                     | 064686                    | BCI 31     | —          | —                         |
| Miller Du-Op™               | Deutz F3L912/914                         | 192744                     | 249606                    | GP 24      | —          | —                         |
| Miller Legend®              | Onan Performer P-218                     | 237857                     | —                         | GP 58      | —          | —                         |
| Miller Legend® 301 G/302    | Kohler/Rehiko Command CH23               | 215984                     | —                         | GP 58      | 067007(2)  | —                         |
|                             | Kohler/Rehiko Command CH20               | 215984                     | —                         | GP 58      | 067007(2)  | —                         |
| Miller Legend® NT           | Onan Performer P-218                     | 237857                     | —                         | GP 58      | —          | —                         |
| PipePro® 304                | Kubota DH905/1005                        | 237857                     | 192744                    | GP 55      | —          | —                         |
| PRO 300                     | Catpillar 3013C/C1.5                     | 213858                     | 202167                    | GP 55      | —          | —                         |
| Renegade™ 180               | Kohler/Rehiko 8.5, CS10, 12.0            | —                          | —                         | —          | 264325     | —                         |
| Trailblazer® 250G/251       | Onan Performer P-220                     | 237857                     | —                         | See note 7 | —          | —                         |
| Trailblazer® 251 NT         | Onan Performer P-220                     | 237857                     | —                         | BCI 58     | —          | —                         |
| Trailblazer® 275 DC/302     | Kohler/Rehiko Command CH23               | 215984                     | —                         | GP 58      | 067007 (2) | —                         |
|                             | Kohler/Rehiko Command CH20/<br>CH730     | 215984                     | —                         | GP 58      | 067007 (2) | —                         |
|                             | Kohler/Rehiko Command CH23/<br>CH680     | 215984                     | —                         | GP 58      | 067007 (2) | —                         |
|                             | Robin EH 64/65                           | 215984                     | —                         | GP 58      | —          | —                         |
| Trailblazer® 275 DC/302 EFI | Kohler/Rehiko Command ECH730             | 246112                     | 246110                    | GP 58      | —          | —                         |
| Trailblazer® 275/325        | Kohler/Rehiko Command CH730<br>w/e-gov   | 215984                     | —                         | GP 58      | 067007 (2) | —                         |
|                             | Kohler/Rehiko Command CH730LP<br>w/e-gov | —                          | —                         | GP 58      | 067007 (2) | —                         |
| Trailblazer® 275/325 EFI    | Kohler/Rehiko Command ECH730<br>w/e-gov  | 246112                     | 246110                    | GP 58      | 067007 (2) | —                         |
| Trailblazer® 280 NT         | Kohler/Rehiko Command CH20               | 215984                     | —                         | GP 58      | 067007 (2) | —                         |
|                             | Onan Performer P-220                     | 215984                     | —                         | GP 58      | 067007 (2) | —                         |
| Trailblazer® 300 D NT/301 D | Kubota D722FB-25                         | 213858                     | 187442                    | GP 58      | —          | —                         |
| Trailblazer® 301 G          | Onan Performer P-220                     | 237857                     | —                         | GP 58      | 137046 (2) | —                         |
|                             | Onan Performer OHV220/Robin              | 215984                     | —                         | GP 58      | —          | —                         |
| Trailblazer® 302 AirPak™    | Kohler/Rehiko CH750                      | 215985                     | —                         | GP 51R     | 238746 (2) | —                         |
| Trailblazer® 302 Diesel     | Kubota D722FB-25                         | 187442                     | 213858                    | GP 58      | —          | —                         |
| Trailblazer® 325 Diesel     | Kubota D902                              | 259934                     | 213858                    | GP 58      | —          | —                         |
| Trailblazer® 330 Airpak™    | Kohler/Rehiko ECH-749                    | 283614                     | —                         | GP 51R     | 067007     | 275644                    |
| Trailblazer® 330 Carb       | Kohler/Rehiko CH730-3346                 | 283614                     | —                         | GP 26      | 067007     | —                         |
| Trailblazer® 330 EFI        | Kohler/Rehiko ECH730-3096                | 283614                     | —                         | GP 26      | 067007     | —                         |
| Trailblazer® 330 Diesel     | Kubota D902-E4B-MLR-3                    | 259934                     | 213858                    | GP 51R     | —          | —                         |
| Trailblazer® DC/301 G       | Kohler/Rehiko Command CH20               | 215984                     | —                         | GP 58      | 067007 (2) | —                         |
| Trailblazer® Pro 350        | Kubota DH905/1005                        | 237857                     | 192744                    | GP 55      | —          | —                         |
| Wildcat® 200                | Subaru Ex 40                             | 241408                     | —                         | BCI U1     | 240598     | —                         |

<sup>1</sup>Prior to serial number LB043908 use 020319. Effective with serial number LB043908 use 192938.

<sup>2</sup>Effective with serial number LB043908 use 192939.

<sup>3</sup>D=GP 24; DPlus=GP 58.

<sup>4</sup>G=GP U1; GPlus=GP 58.

<sup>5</sup>250=GP 24; 251=GP 58.



## Miller® MIG Gun History

| Model Name                                 | Serial Number Effective       | Original Gun Breakdown         | Recommended Replacement Gun(s)                                                                                                        | Amperage of Gun at 100% Duty Cycle | Wire Size                                                                  | Replacement Gun Breakdown |
|--------------------------------------------|-------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------------------------------------------|---------------------------|
| Sidekick™ XL/ Cricket® XL                  | All Serial Numbers            | GA-16C                         | MDX™-100 10 ft part number 1770028                                                                                                    | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |
| Cricket® XL                                | All Serial Numbers            | GA-16C1                        | M-100 W/Friction terminals, 10 ft part number 220606                                                                                  | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 20                     |
| Sidekick™ XL/ Cricket® XL/ Millermatic® 90 | All Serial Numbers            | GA-17C                         | MDX™-100 10 ft part number 1770028                                                                                                    | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |
| Millermatic® 120/130/150                   | All Serial Numbers            | M-15                           | MDX™-100 10 ft part number 1770028                                                                                                    | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |
| Millermatic® 125                           | All Serial Numbers            | M-80                           | MDX™-100 10 ft                                                                                                                        | 100A                               | .023-.045 (0.6-1.1 mm)                                                     | pg 19                     |
| Millermatic® 130 XP                        | KK110539                      | M-10                           | MDX™-100 10 ft part number 1770028                                                                                                    | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |
| Millermatic® 135/140s/175/180/DVT's/211    | All Serial Numbers            | M-10                           | MDX™-100 10 ft part number 1770028                                                                                                    | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |
| Millermatic® 141/190                       | All Serial Numbers            | M-100                          | MDX™-100 10 ft part number 1770028                                                                                                    | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |
| Millermatic® Challenger™                   | All Serial Numbers            | M-15                           | MDX™-100 10 ft part number 1770028                                                                                                    | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |
| Millermatic® Challenger™ 172               | KK118238                      | M-10                           | MDX™-100 10 ft part number 1770028                                                                                                    | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |
| Millermatic® 185                           | All Serial Numbers            | M-15                           | MDX™-100 10 ft part number 1770028                                                                                                    | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |
| Millermatic® 200                           |                               | M-25                           | MDX™-250 10 ft part number 1770035<br>MDX™-250 15 ft part number 1770037                                                              | 250A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 17                     |
| Millermatic® 210/212/250X/251/252          | All Serial Numbers            | M-25                           | MDX™-250 10 ft part number 1770035<br>MDX™-250 15 ft part number 1770037                                                              | 250A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 17                     |
| Millermatic® 211                           | All Serial Numbers            | M-25                           | MDX™-100 10 ft part number 1770028                                                                                                    | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |
| Millermatic® 250                           | KF851980                      | M-25                           | MDX™-250 10 ft part number 1770035<br>MDX™-250 15 ft part number 1770037                                                              | 250A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 17                     |
| Millermatic® Vintage                       | All Serial Numbers            | M-25<br>pg 18                  | MDX™-250 10 ft part number 1770035<br>MDX™-250 15 ft part number 1770037                                                              | 250A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 17                     |
| Millermatic® 300                           | All Serial Numbers            | M-40                           | Q3015AE4VMA¹                                                                                                                          | 300A                               | .035-.045 (0.9-1.2 mm)                                                     | pg 27                     |
| Millermatic® 255                           | All Serial Numbers            |                                | MDX™-250 15 ft Heavy Duty Consumables part number 1770043<br>MDX™-250 10 ft part number 1770035<br>MDX™-250 15 ft part number 1770037 | 250A<br>250A<br>250A               | .035/.045 (0.9/1.2 mm)<br>.030-.035 (0.8-0.9 mm)<br>.030-.035 (0.8-0.9 mm) | pg 17                     |
| Millermatic® 350                           | Prior to LE443589<br>LE443589 | Roughneck C-4012<br>Q3015AE8XM | Q3015AE4VMA¹                                                                                                                          | 300A                               | .035-.045 (0.9-1.2 mm)<br>.035-.045 (0.9-1.2 mm)                           | pg 27                     |
| Millermatic® 355                           | All Serial Numbers            |                                | Q3015AE4VMA¹                                                                                                                          | 300A                               | .035 in. (0.9 mm)                                                          | pg 27                     |
| Millermatic® Passport™/ Passport™ Plus     | All Serial Numbers            | M-10                           | MDX™-100 10 ft part number 1770028<br>M-150 15 ft part number 249041                                                                  | 150A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |
| Millermatic® Pulsar                        | All Serial Numbers            | M-15                           | MDX™-100 10 ft part number 1770028                                                                                                    | 100A                               | .030-.035 (0.8-0.9 mm)                                                     | pg 18                     |

Optional Gun: MDX-250 Gun, Part Number 1770038, 15ft. 250A at 100% Duty Cycle, Wire Size .035-.045 (0.9-1.2 mm)



**MDX™ Series**  
100 – 250 Amp, Semi-Automatic,  
Air-Cooled MIG Welding Guns



### MDX MIG Gun Consumable Kits

Miller offers eight MIG consumable kits that are compatible with MDX™ Series guns. Each kit contains consumables that are specific to your welding application, including gun type and wire size.

- 1880272 – MDX-100, .023" (0.6 mm) Wire
- 1880273 – MDX-100, .030" (0.8 mm) Wire
- 1880274 – MDX-100, .035" (0.9 mm) Wire

The above consumable kits contain 10 contact tips, 1 nozzle and 1 gas diffuser.

- 1880275 – MDX-250, Standard Duty, .030" (0.8 mm) Wire
- 1880276 – MDX-250, Standard Duty, .035" (0.9 mm) Wire
- 1880277 – MDX-250, Standard Duty, .045" (1.2 mm) Wire

The above consumable kits contain 10 contact tips, 1 nozzle, 1 gas diffuser and 1 insulator cap.

- 1880278 – MDX-250, Heavy Duty .035" (0.9 mm) Wire
- 1880279 – MDX-250, Heavy Duty, .045" (1.2 mm) Wire

The above consumable kits contain 10 contact tips, 1 nozzle, 1 gas diffuser and 1 insulator cap.

## Accessories

For a complete listing of gun consumables information, please refer to pages 27-32.

¹ Bernard® BTB Gun 15 ft AccuLock™ S Consumables part number Q3015AE4VMA order through Bernard Customer Service at 1-855-MIGWELD (1-855-644-9353)

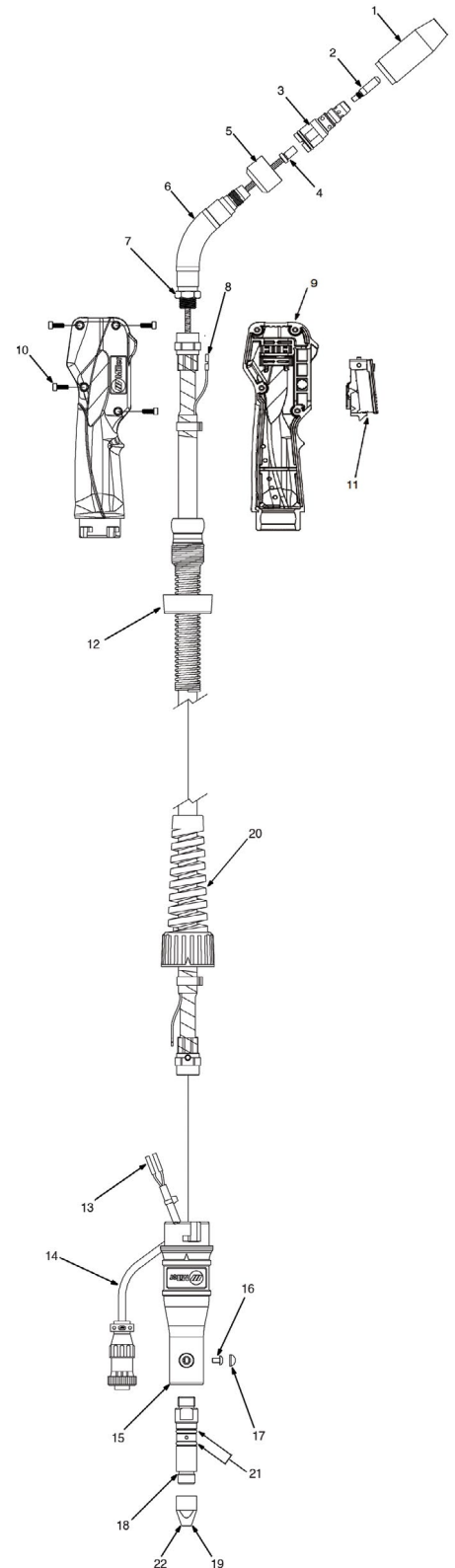


# MDX™-250 Service Parts/Consumables

| Item # | Part #                | Description                                                                         | Quantity  |
|--------|-----------------------|-------------------------------------------------------------------------------------|-----------|
|        |                       |                                                                                     | Std Model |
|        | 1770035               | MDX™-250, 10 ft (3.0 m), Standard Duty consumables, .030-.035 in. (0.8-0.9 mm) wire |           |
|        | 1770037               | MDX™-250, 15 ft (4.6 m), Standard Duty consumables, .030-.035 in. (0.8-0.9 mm) wire |           |
|        | 1770038               | MDX™-250, 15 ft (4.6 m), Standard Duty consumables, .035-.045 in. (0.9-1.2 mm) wire |           |
|        | 1770043               | MDX™-250, 15 ft (4.6 m), Heavy Duty consumables, .035-.045 in. (0.9-1.2 mm) wire    |           |
| 1      | N-M1200C              | Nozzle, Standard Duty Copper, 1/2 in. Bore, Flush                                   | 1         |
|        | N-M1218C*             | Nozzle, Standard Duty Copper, 1/2 in. Bore, .125 in. Recess                         | 1         |
|        | N-M5800C*             | Nozzle, Standard Duty Copper, 5/8 in. Bore, Flush                                   | 1         |
|        | N-M5818C*             | Nozzle, Standard Duty Copper, 5/8 in. Bore, .125 in. Recess                         | 1         |
|        | N-M58XTC*             | Nozzle, Standard Duty Copper, 5/8 in. Bore, .125 in. Stick Out                      | 1         |
|        | N-A5800CM             | Nozzle, Heavy Duty Copper, 5/8 in. Bore, Flush                                      | 1         |
|        | N-A5818CM*            | Nozzle, Heavy Duty Copper, 5/8 in. Bore, .125 in. Recess                            | 1         |
|        | N-A5814CM*            | Nozzle, Heavy Duty Copper, 5/8 in. Bore, .250 in. Recess                            | 1         |
| 2      | T-M023*               | Contact Tip, Standard Duty .023 in. Wire x 1.125 in.                                | 1         |
|        | T-M030*               | Contact Tip, Standard Duty .030 in. Wire x 1.125 in.                                | 1         |
|        | T-M035*               | Contact Tip, Standard Duty .035 in. Wire x 1.125 in.                                | 1         |
|        | T-M045*               | Contact Tip, Standard Duty .045 in. Wire x 1.125 in.                                | 1         |
|        | T-M047*               | Contact Tip, Standard Duty .047 in. Wire x 1.125 in.                                | 1         |
|        | T-A023CHM*            | Contact Tip, Heavy Duty .023 in. Wire x 1.125 in.                                   | 1         |
|        | T-A030CHM*            | Contact Tip, Heavy Duty .030 in. Wire x 1.125 in.                                   | 1         |
|        | T-A035CHM*            | Contact Tip, Heavy Duty .035 in. Wire x 1.125 in.                                   | 1         |
|        | T-A039CHM*            | Contact Tip, Heavy Duty .039 in. Wire x 1.125 in.                                   | 1         |
|        | T-A045CHM*            | Contact Tip, Heavy Duty .045 in. Wire x 1.125 in.                                   | 1         |
| 3      | D-M250                | Diffuser, Standard Duty                                                             | 1         |
|        | D-MA250M              | Diffuser, Heavy Duty                                                                | 1         |
| 4      | LM1A-10*              | Liner, .023/.030 in. Wire x 10 ft                                                   | 1         |
|        | LM1A-12*              | Liner, .023/.030 in. Wire x 12 ft                                                   | 1         |
|        | LM1A-15*              | Liner, .023/.030 in. Wire x 15 ft                                                   | 1         |
|        | LMD2A-10              | Liner, .030/.035 in. Wire x 10 ft                                                   | 1         |
|        | LMD2A-12              | Liner, .030/.035 in. Wire x 12 ft                                                   | 1         |
|        | LMD2A-15              | Liner, .030/.035 in. Wire x 15 ft                                                   | 1         |
|        | LMD3A-10              | Liner, .035/.045 in. Wire x 10 ft                                                   | 1         |
|        | LMD3A-12              | Liner, .035/.045 in. Wire x 12 ft                                                   | 1         |
|        | LMD3A-15              | Liner, .035/.045 in. Wire x 15 ft                                                   | 1         |
| 5      | 4623RM                | Insulator, Neck                                                                     | 1         |
| 6      | 1040096               | Neck, Long                                                                          | 1         |
|        | 1040097               | Neck, Medium                                                                        | 1         |
| 7      | 1960011               | Nut, Locking                                                                        | 1         |
| 8      | 7000005P <sup>1</sup> | Terminal, Switch                                                                    | 2         |
| 9      | 1880265               | Handle Kit, Standard (includes Item No. 10 and Item No. 13)                         | 1         |
| 10     | 2280065P <sup>1</sup> | Screw, Handle                                                                       | 4         |
| 11     | 211-5-MDX             | Trigger, Switch                                                                     | 1         |
| 12     | 1780099               | Cap, Locking Handle                                                                 | 1         |
| 13     | 4932P <sup>1</sup>    | Connector, Butt                                                                     | 2         |
| 14     | GN2021 <sup>1</sup>   | Control Plug, Miller                                                                | 1         |
| 15     | 2520100               | Strain Relief, Rear                                                                 | 1         |
| 16     | 2280056P <sup>1</sup> | Screw, Strain Relief                                                                | 1         |
| 17     | 1620003P <sup>1</sup> | Cover, Screw                                                                        | 1         |
| 18     | 2200169               | Power Pin Assembly                                                                  | 1         |
| 19     | 2200360               | Power Pin Cap, .023-.030 in. (0.6-0.8 mm)                                           | 1         |
|        | 2200361               | Power Pin Cap, .030-.035 in. (0.8-0.9 mm)                                           | 1         |
|        | 2200362               | Power Pin Cap, .035-.045 in. (0.9-1.2 mm)                                           | 1         |
| 20     | 2520033 <sup>1</sup>  | Strain Relief, Rear Spring                                                          | 1         |
| 21     | 079974                | O-Ring, Power Pin                                                                   | 1         |
| 22     | 220023P <sup>1</sup>  | Set Screw, 1/4-20 x 3/16", Long Cup Point, Power Pin Cap                            | 1         |

<sup>1</sup>Optional

<sup>1</sup>Order through Bernard Customer Service at 1-855-MIGWELD (1-855-644-9353)

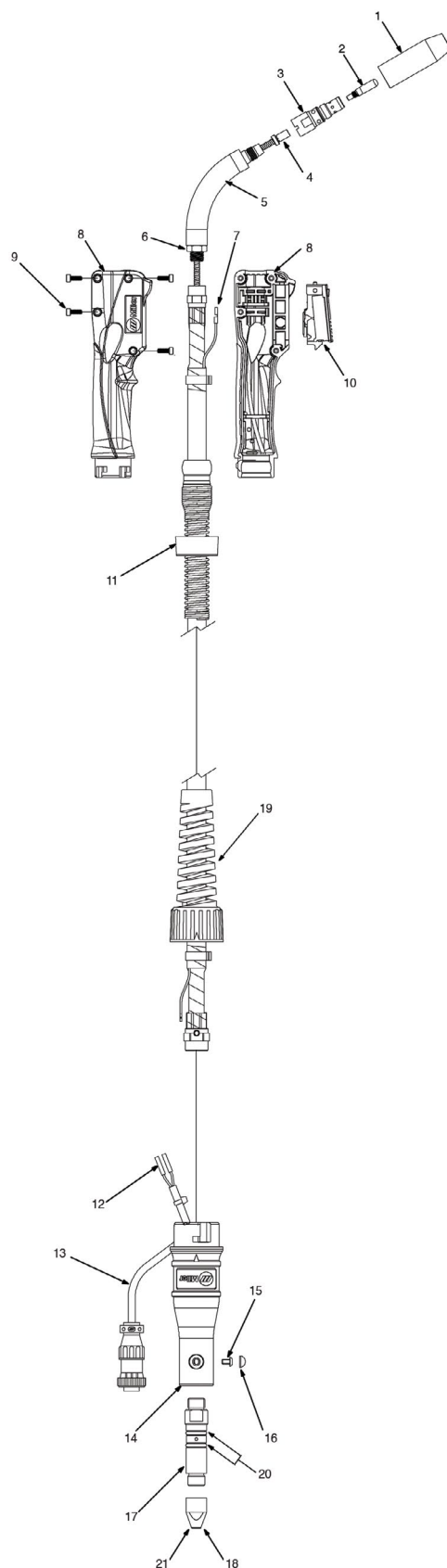


## MDX™-100 Service Parts/Consumables

| Item # | Part #     | Description                                              | Quantity |
|--------|------------|----------------------------------------------------------|----------|
|        | 1770028    | MDX™-100, 10 ft. (3 m), .030-.035 in (0.8-0.9 mm) wire   |          |
|        | 1770029    | MDX™-100, 15 ft. (4.6 m), .030-.035 in (0.8-0.9 mm) wire |          |
| 1      | NS-M1200C  | Nozzle, Copper, 1/2 in. Bore, Flush                      | 1        |
|        | NS-M1200B* | Nozzle, Brass, 1/2 in. Bore, Flush                       | 1        |
|        | NS-MFLX*   | Nozzle, Gasless                                          | 1        |
| 2      | T-M023*    | Contact Tip, Standard Duty .023 in. Wire x 1.125 in.     | 1        |
|        | T-M030*    | Contact Tip, Standard Duty .030 in. Wire x 1.125 in.     | 1        |
|        | T-M035*    | Contact Tip, Standard Duty .035 in. Wire x 1.125 in.     | 1        |
|        | T-M045*    | Contact Tip, Standard Duty .045 in. Wire x 1.125 in.     | 1        |
|        | T-M047*    | Contact Tip, Standard Duty .047 in. Wire x 1.125 in.     | 1        |
| 3      | D-M100     | Diffuser                                                 | 1        |
| 4      | LM1A-10*   | Liner, .023/.030 in. Wire x 10 ft                        | 1        |
|        | LM1A-12*   | Liner, .023/.030 in. Wire x 12 ft                        | 1        |
|        | LM1A-15*   | Liner, .023/.030 in. Wire x 15 ft                        | 1        |
|        | LMD2A-10   | Liner, .030/.035 in. Wire x 10 ft                        | 1        |
|        | LMD2A-12   | Liner, .030/.035 in. Wire x 12 ft                        | 1        |
|        | LMD2A-15   | Liner, .030/.035 in. Wire x 15 ft                        | 1        |
|        | LMD3A-10   | Liner, .035/.045 in. Wire x 10 ft                        | 1        |
|        | LMD3A-12   | Liner, .035/.045 in. Wire x 12 ft                        | 1        |
|        | LMD3A-15   | Liner, .035/.045 in. Wire x 15 ft                        | 1        |
| 5      | 1040087    | Neck                                                     | 1        |
| 6      | 1960012    | Nut, Locking                                             | 1        |
| 7      | 700005P¹   | Terminal, Switch                                         | 2        |
| 8      | 1880266    | Handle Kit (includes Item No. 10 and Item No. 13)        | 1        |
| 9      | 2280065P¹  | Screw, Handle                                            | 4        |
| 10     | 211-5-MDX  | Trigger, Switch                                          | 1        |
| 11     | 1780094    | Cap, Locking Handle                                      | 1        |
| 12     | 4932       | Connector, Butt                                          | 2        |
| 13     | GN2021¹    | Control Plug, Miller                                     | 1        |
| 14     | 2520100    | Strain Relief, Rear                                      | 1        |
| 15     | 2280056P¹  | Screw, Strain Relief                                     | 1        |
| 16     | 1620003P¹  | Cover, Screw                                             | 1        |
| 17     | 2200169    | Power Pin Assembly                                       | 1        |
| 18     | 2200360    | Power Pin Cap, .023-.030 in. (0.6-0.8 mm)                | 1        |
|        | 2200361    | Power Pin Cap, .030-.035 in. (0.8-0.9 mm)                | 1        |
|        | 2200362    | Power Pin Cap, .035-.045 in. (0.9-1.2 mm)                | 1        |
| 19     | 2520033¹   | Strain Relief, Rear Spring                               | 1        |
| 20     | 7127       | O-Ring, Power Pin                                        | 1        |
| 21     | 220023P¹   | Set Screw, 1/4-20 x 3/16", Long Cup Point, Power Pin Cap | 1        |

\*Optional

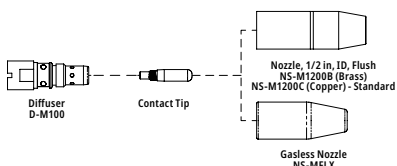
¹Order through Bernard Customer Service at 1-855-MIGWELD (1-855-644-9353)



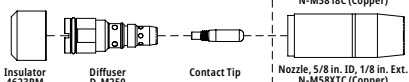
## Consumables for

## MDX™-100 and MDX™-250 MIG Guns

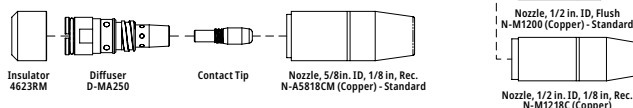
### MDX-100™ MIG Gun Consumables



### MDX-250™ MIG Gun Consumables - Standard Duty



### MDX™-250 MIG Gun Consumables - Heavy Duty

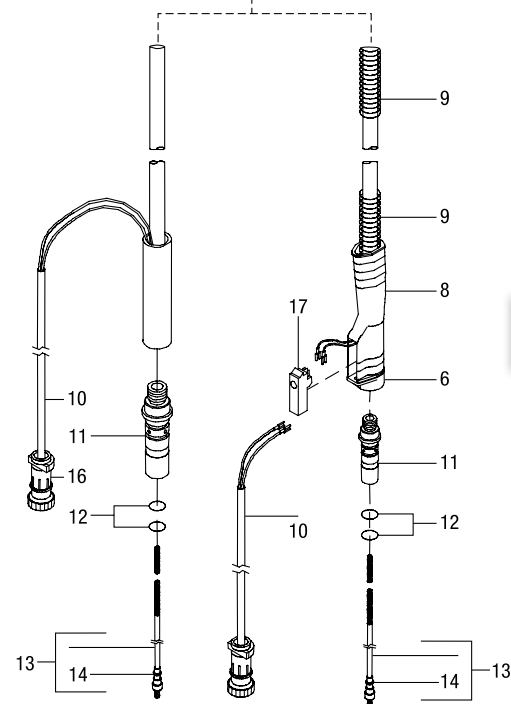
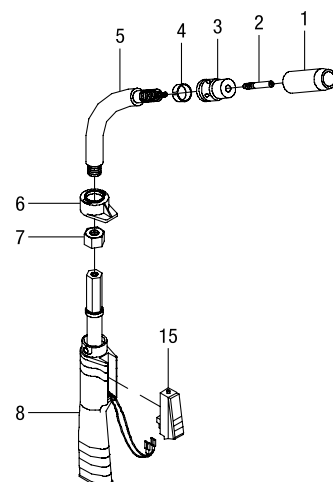


See page 27 for complete list of Heavy Duty nozzles available



## M-10/M-15 Service Parts/Consumables

| Item # | Part # | Description                                                                 | Quantity |                |
|--------|--------|-----------------------------------------------------------------------------|----------|----------------|
|        |        |                                                                             | M-10     | M-15           |
|        | 195605 | M-10 Gun, 10 ft (3 m), 100A, .030-.035 (0.8-0.9 mm)                         |          |                |
|        | 169589 | M-15 Gun, 10 ft (3 m), 150A, .030-.035 (0.8-0.9 mm)                         |          |                |
|        | 169591 | M-15 Gun, 12 ft (3.7 m), 150A, .030-.035 (0.8-0.9 mm)                       |          |                |
|        | 169593 | M-15 Gun, 15 ft (4.6 m), 150A, .030-.035 (0.8-0.9 mm)                       |          |                |
| 1      | 169715 | Nozzle, slip type, .500 (12.7 mm) orf flush brass, 246372 copper (optional) | 1        | 1 (2 per pkg)  |
|        | 226190 | Nozzle, slip type, flux cored                                               | 1        | 1              |
| 2      | 087299 | Tip, contact scr, .023 (0.6 mm) wire x 1.125                                | 1        | 1 (10 per pkg) |
|        | 000067 | Tip, contact scr, .030 (0.8 mm) wire x 1.125                                | 1        | 1 (10 per pkg) |
|        | 000068 | Tip, contact scr, .035 (0.9 mm) wire x 1.125                                | 1        | 1 (10 per pkg) |
|        | 000069 | Tip, contact scr, .045 (1.2 mm) wire x 1.125                                | 1        | 1 (10 per pkg) |
| 3      | 169716 | Adapter, contact tip                                                        | 1        | 1 (2 per pkg)  |
| 4      | 170470 | Ring, retaining                                                             | 1        | 1              |
| 5      | 169718 | Tube, head                                                                  | 1        | 1              |
| 6      | 169738 | Nut, locking handle                                                         | 1        | 2              |
| 7      | 169719 | Nut, jam (gun end)                                                          | 1        | 1              |
| 8      | 169737 | Handle                                                                      | 1        | 2              |
| 9      | 169741 | Strain Relief, cable                                                        | —        | 2              |
| 10     | 227800 | Cord Assembly with ends                                                     | 1        | 1              |
| 11     | 209495 | Connector, feeder—M-10 (includes) NA                                        | 1        | —              |
| 11     | 209486 | Connector, feeder—M-15 (includes)                                           | —        | 1              |
| 12     | 079974 | O-Ring, .500 ID x .103CS rbr                                                | 2        | 2              |
| 13     | 194010 | Kit, liner monocoil<br>.023/.025 (0.6 mm) wire x 15 ft (includes)           | 1        | 1              |
| 13     | 194011 | Kit, liner monocoil<br>.030 – .035 (0.8 – 0.9 mm) wire x 15 ft (includes)   | 1        | 1              |
| 14     | 079975 | O-Ring, .187 ID x .103CS rbr                                                | 1        | 1              |
| 15     | 196255 | Switch, Red trigger                                                         | 1        | 1              |
| 16     | 079878 | Housing Plug and Pins                                                       | 1        | —              |
|        | 079531 | Connector, circ cpc clamp str rlf                                           | 1        | —              |
| 17     | 169736 | Terminal Block                                                              | —        | 1              |



M-10 Gun

M-15 Gun



## M-Series MIG Guns

*\*For a detailed listing, please reference pages 31-32.*

| Model | Stock #             | Length        | Rating and Duty Cycle (CO <sub>2</sub> ) <sup>1</sup> | Wire Size (INCHES) | Wire Size (mm)  |
|-------|---------------------|---------------|-------------------------------------------------------|--------------------|-----------------|
| M-80  | 273618              | 8 ft (2.4 m)  | 100 A at 100% Duty Cycle                              | .023 – .045 in     | (0.6 to 1.1 mm) |
| M-100 | 248282              | 10 ft (3 m)   | 100 A at 100% Duty Cycle                              | .030 – .035 in     | (0.8 – 0.9 mm)  |
|       | 220606 <sup>2</sup> |               |                                                       |                    |                 |
| M-150 | 249039              | 10 ft (3 m)   | 150 A at 100% Duty Cycle                              | .030 – .035 in     | (0.8 – 0.9 mm)  |
|       | 249040 (1770035)    | 12 ft (3.7 m) |                                                       |                    |                 |
|       | 249041              | 15 ft (4.6 m) |                                                       |                    |                 |
| M-25  | 169594              | 10 ft (3 m)   | 250 A at 100% Duty Cycle                              | .030 – .035 in     | (0.8 – 0.9 mm)  |
|       | 169596 (1770036)    | 12 ft (3.7 m) |                                                       |                    |                 |
|       | 194805 <sup>3</sup> | 12 ft (3.7 m) |                                                       |                    |                 |
|       | 169598 (1770037)    | 15 ft (4.6 m) |                                                       |                    |                 |
|       | 169599 (1770038)    | 15 ft (4.6 m) | 250 A at 100% Duty Cycle                              | .035 – .045 in     | (0.9 – 1.2 mm)  |

<sup>1</sup>60% with mixed gases

## Optional M-Series Gun Nozzles and Tips

| Part # | Description                                                                | Quantity |
|--------|----------------------------------------------------------------------------|----------|
|        | <b>M-25 and M-40 Tapered Nozzles</b>                                       |          |
| 176243 | Nozzle, Tapered 3/8 in (9.5 mm)                                            | 1        |
| 178386 | Nozzle, Tapered 11/32 in (8.7 mm)                                          | 1        |
|        | <b>M-25 and M-40 Tapered Contact Tips (1/4 in OD x 1.312 in)</b>           |          |
| 176797 | Contact Tip, Tapered .030 in (0.8 mm)                                      | 10       |
| 176793 | Contact Tip, Tapered .035 in (0.9 mm)                                      | 10       |
| 176794 | Contact Tip, Tapered .045 in (1.2 mm)                                      | 10       |
|        | <b>M-25 and M-40 Heavy-Duty Spray Contact Tips (5/16 in OD x 1.125 in)</b> |          |
| 187117 | Contact Tip, Heavy Duty .035 in (0.9 mm)                                   | 25       |
| 187118 | Contact Tip, Heavy Duty .045 in (1.2 mm) - N/A                             | 25       |



### M-Series Consumable Kits (234607, 234608, 234609)

To better serve you, Miller® has introduced six improved, affordable MIG consumable kits that are compatible with the M-Series guns. Each kit contains consumables that are specific to your welding application, including gun type and wire size.

- 234607 – M-10/15, M-100/150 Gun, .023" Wire
- 234608 – M-10/15, M-100/150 Gun, .030" Wire
- 234609 – M-10/15, M-100/150 Gun, .035" Wire

Consumable Kits 234607, 234608 and 234609 contain 10 contact tips, 1 nozzle and 1 contact tip adapter.

- 234610 – M-25 Gun, .030" Wire
- 234611 – M-25 Gun, .035" Wire
- 234612 – M-25 Gun, .045" Wire

Consumable kits 234610, 234611 and 234612 contain 10 contact tips, 1 nozzle, 1 contact tip adapter and 1 nozzle adapter.





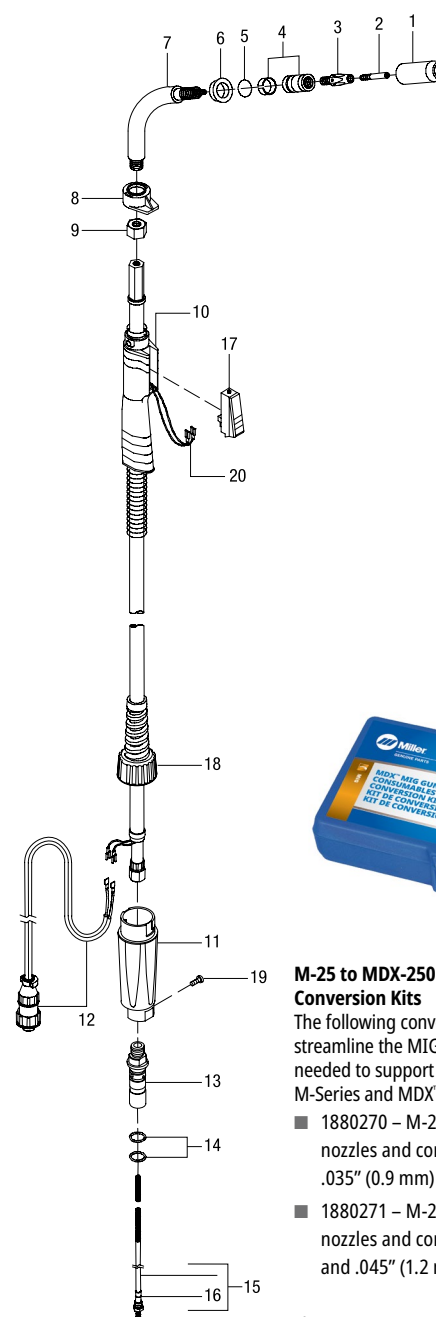
## M-25 Service Parts/Consumables

| Item # | Part #              | Description                                           | Quantity       |
|--------|---------------------|-------------------------------------------------------|----------------|
|        | 169594              | M-25 Gun, 10 ft (3 m), 250A, .030-.035 (0.8-0.9 mm)   |                |
|        | 169596              | M-25 Gun, 12 ft (3.7 m), 250A, .030-.035 (0.8-0.9 mm) |                |
|        | 169598              | M-25 Gun, 15 ft (4.6 m), 250A, .030-.035 (0.8-0.9 mm) |                |
|        | 169599              | M-25 Gun, 15 ft (4.6 m), 250A, .035-.045 (0.9-1.2 mm) |                |
| 1      | 169724              | Nozzle, slip type, .500 (12.7 mm) orf .125 recess     | 1              |
|        | 169725 <sup>1</sup> | Nozzle, slip type, .625 (15.9 mm) orf .125 recess     | 1              |
|        | 200258              | Nozzle, slip type, .500 (12.7 mm) orf flush           | 1              |
|        | 169726 <sup>2</sup> | Nozzle, slip type, .625 (15.9 mm) orf flush           | 1              |
|        | 169727              | Nozzle, slip type, .625 (15.9 mm) orf .125 stickout   | 1              |
| 2      | 087299              | Tip, contact scr, .023 (0.6 mm) wire x 1.125          | 1 (10 per pkg) |
|        | 000067              | Tip, contact scr, .030 (0.8 mm) wire x 1.125          | 1 (10 per pkg) |
|        | 000068              | Tip, contact scr, .035 (0.9 mm) wire x 1.125          | 1 (10 per pkg) |
|        | 000069              | Tip, contact scr, .045 (1.2 mm) wire x 1.125          | 1 (10 per pkg) |
|        | 172034 <sup>1</sup> | Tip, contact scr 3/64 (1.19 mm) wire x 1.125          | 1 (10 per pkg) |
| 3      | 169728              | Adapter, contact tip                                  | 1 (2 per pkg)  |
| 4      | 169729              | Adapter, nozzle                                       | 1 (2 per pkg)  |
| 5      | 170468              | O-Ring                                                | 1 (10 per pkg) |
| 6      | 169730              | Washer, shock                                         | 1              |
| 7      | 169731              | Tube, head                                            | 1              |
| 8      | 169738              | Nut, locking handle                                   | 2              |
| 9      | 169732              | Nut, jam                                              | 1              |
| 10     | 169737              | Handle, front                                         | 1              |
| 11     | 2520044             | Handle, rear                                          | 1              |
| 12     | 227800              | Cord, trigger assembly                                | 1              |
| 13     | 209495              | Connector, feeder (includes)                          | 1              |
| 14     | 079974              | O-Ring, .500 ID x .103CS rbr                          | 2              |
| 15     | 194010              | Kit, liner monocoil                                   | 1              |
|        |                     | .023 - .025 (0.6 mm) wire x 15 ft (includes)          |                |
| 15     | 194011              | Kit, liner monocoil                                   | 1              |
|        |                     | .030 - .035 (0.8 - 0.9 mm) wire x 15 ft (includes)    |                |
| 15     | 194012              | Kit, liner monocoil                                   | 1              |
|        |                     | .035 - .045 (0.9 - 1.2 mm) wire x 15 ft (includes)    |                |
| 15     | 194014              | Kit, liner monocoil                                   | 1              |
|        |                     | 3/64 (1.19 mm) aluminum wire x 15 ft (includes)       |                |
| 16     | 079975              | O-Ring, .187 ID x .103CS rbr                          | 1              |
| 17     | 196255              | Switch, trigger                                       | 1              |
| 18     | 2520033             | Cable strain relief 2 & 3                             | 1              |
| 19     | 7000015             | Screw                                                 | 1              |
| 20     | 169746              | Terminal                                              | 1              |

<sup>1</sup>Included with 172136 (N/A) Kit, Aluminum Conversion .047 in (1.2 mm)

<sup>2</sup>Standard on all guns

<sup>3</sup>194805 is an M-25 gun with friction lugs for the Hobart Beta-MIG 2510.  
See page 26 for consumables kits



M-25 Gun

### M-25 to MDX-250 Nozzles and Contact Tips Conversion Kits

The following conversion kits are available to streamline the MIG gun consumables inventory needed to support a mixed fleet of legacy M-Series and MDX™ MIG guns.

- 1880270 – M-25 to Standard Duty MDX-250 nozzles and contact tips, .030" (0.8 mm), .035" (0.9 mm) and .045" (1.2 mm) Wire
- 1880271 – M-25 to Heavy Duty MDX-250 nozzles and contact tips, .035" (0.9 mm) and .045" (1.2 mm) Wire

The 1880270 conversion kit contains 1 conversion gas diffuser, 15 contact tips, 1 nozzle and 1 insulator cap.

The 1880271 conversion kit contains 1 conversion gas diffuser, 10 contact tips, 1 nozzle and 1 insulator cap.

**IMPORTANT:** Only the diffuser, nozzles and contact tips can be upgraded on legacy M-Series guns. Customers must continue to use the original liners and power pins.

## M-80/M-100/M-150 Service Parts/Consumables

| Item # | Part # | Description                                                                | Quantity |                |
|--------|--------|----------------------------------------------------------------------------|----------|----------------|
|        |        |                                                                            | M-100    | M-150          |
|        | 248282 | M-100 Gun, 10 ft (3 m), 100A, .030-.035 (0.8-0.9 mm)                       |          |                |
|        | 249039 | M-150 Gun, 10 ft (3 m), 150A, .030-.035 (0.8-0.9 mm)                       |          |                |
|        | 249040 | M-150 Gun, 12 ft (3.7 m), 150A, .030-.035 (0.8-0.9 mm)                     |          |                |
|        | 249041 | M-150 Gun, 15 ft (4.6 m), 150A, .030-.035 (0.8-0.9 mm)                     |          |                |
| 1      | 246372 | Nozzle, slip type, .500 (12.7 mm) or flush copper, 169715 brass (optional) | 1        | 1 (2 per pkg)  |
|        | 226190 | Nozzle, slip type, flux cored                                              | 1        | 1              |
| 2      | 087299 | Tip, contact scr, .023 (0.6 mm) wire x 1.125                               | 1        | 1 (10 per pkg) |
|        | 000067 | Tip, contact scr, .030 (0.8 mm) wire x 1.125                               | 1        | 1 (10 per pkg) |
|        | 000068 | Tip, contact scr, .035 (0.9 mm) wire x 1.125                               | 1        | 1 (10 per pkg) |
|        | 000069 | Tip, contact scr, .045 (1.2 mm) wire x 1.125                               | 1        | 1 (10 per pkg) |
| 3      | 170470 | Ring, retaining                                                            | 1        | 1              |
| 4      | 169716 | Adapter, contact tip                                                       | 1        | 1 (2 per pkg)  |
| 5      | 246373 | Tube, head                                                                 | 1        | 1              |
| 6      | 243865 | Nut, jam                                                                   | 2        | 2              |
| 7      | 246082 | Handle                                                                     | 1        | 1              |
| 8      | 246376 | Switch, Blue trigger                                                       | 1        | 1              |
| 9      | 079878 | Housing Plug and Pins                                                      | 1        | 1              |
| 10     | 242833 | Connector, feeder                                                          | 1        | 1              |
| 11     | 079974 | O-Ring, .500 ID x .103CS rbr                                               | 2        | 2              |
| 12     | 194010 | Kit, liner monocoil, .023/.025 (0.6 mm) wire x 15 ft (includes)            | 1        | 1              |
|        | 194011 | Kit, liner monocoil, .030-.035 (0.8-.0.9 mm) wire x 15 ft (includes)       | 1        | 1              |
|        | 194012 | Kit, liner monocoil, .035-.045 (0.9-1.2 mm) wire x 15 ft (includes)        | 1        | 1              |
| 13     | 079975 | O-Ring, .187 ID x .103CS rbr                                               | 1        | 1              |
| 14     | 246380 | Housing, power pin                                                         | 1        | 1              |

<sup>2</sup>220606 is an M-100 gun with friction terminals for the Miller® Cricket.®

### M-80, M-100 and M-150 to MDX-100 Nozzles and Contact Tips Conversion Kits

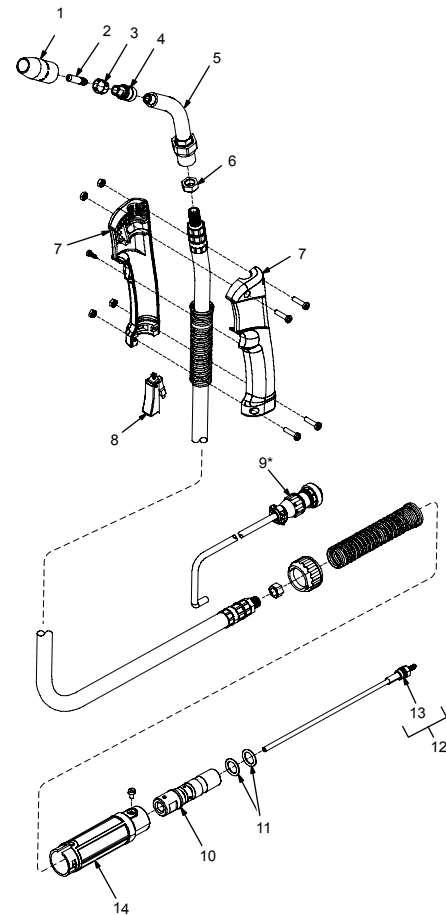
The following conversion kits are available to streamline the MIG gun consumables inventory needed to support a mixed fleet of legacy M-Series and MDX MIG guns.

- 1880269 – M-100/M-150 to MDX-100 nozzles and tips, .030" (0.8 mm) and .035" (0.9 mm) Wire

The above conversion kit contains 1 conversion gas diffuser, 10 contact tips and 1 nozzle.

**IMPORTANT:** Only the diffuser, nozzles and contact tips can be upgraded on legacy M-Series guns. Customers must continue to use the original liners and power pins.

See page 26 for consumables kits



\*not available on the M-80 model





## Aluminum Adapter Kit 202895

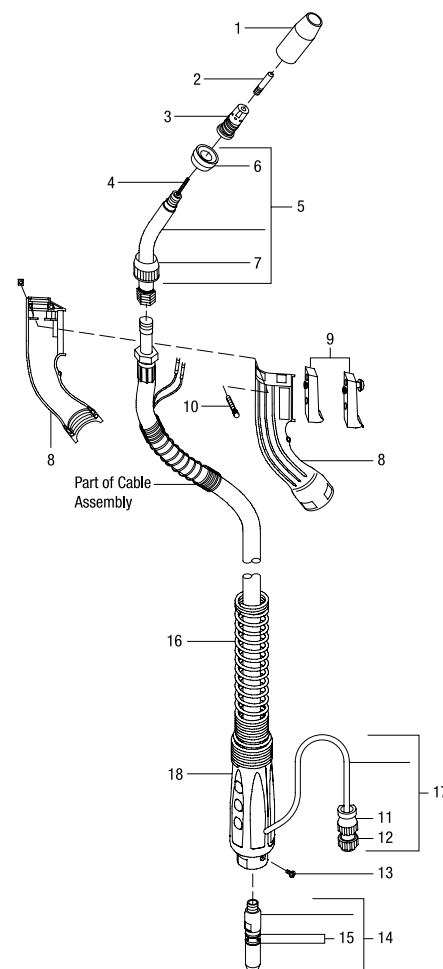
Steel wrapped nylon liner allows 10 ft Roughneck welding guns to feed 3/64 – 1/16 in (1.2 – 1.6 mm) aluminum wire.

## Roughneck MIG Gun Replacement

| Stock No. | Model No. | Length       | Replaced by Bernard® BTB MIG Guns |
|-----------|-----------|--------------|-----------------------------------|
| 194751    | C-3010    | 10 ft (3m)   | Q3010TE5EMC                       |
| 194752    | C-3012    | 12 ft (3.7m) | Q3015TE5EMC                       |
| 194753    | C-3015    | 15 ft (4.6m) | Q3015TE5EMC                       |
| 194754    | C-4010    | 10 ft (3m)   | Q4010TE5EMC                       |
| 194755    | C-4012    | 12 ft (3.7m) | Q4015TE5EMC                       |
| 194756    | C-4015    | 15 ft (4.6m) | Q4015TE5EMC                       |
| 194757    | C-5010    | 10 ft (3m)   | S5015GH5IMC                       |
| 194758    | C-5012    | 12 ft (3.7m) | S5015GH5IMC                       |
| 194759    | C-5015    | 15 ft (4.6m) | S5015GH5IMC                       |

## Roughneck® C-Series Service Parts/Consumables

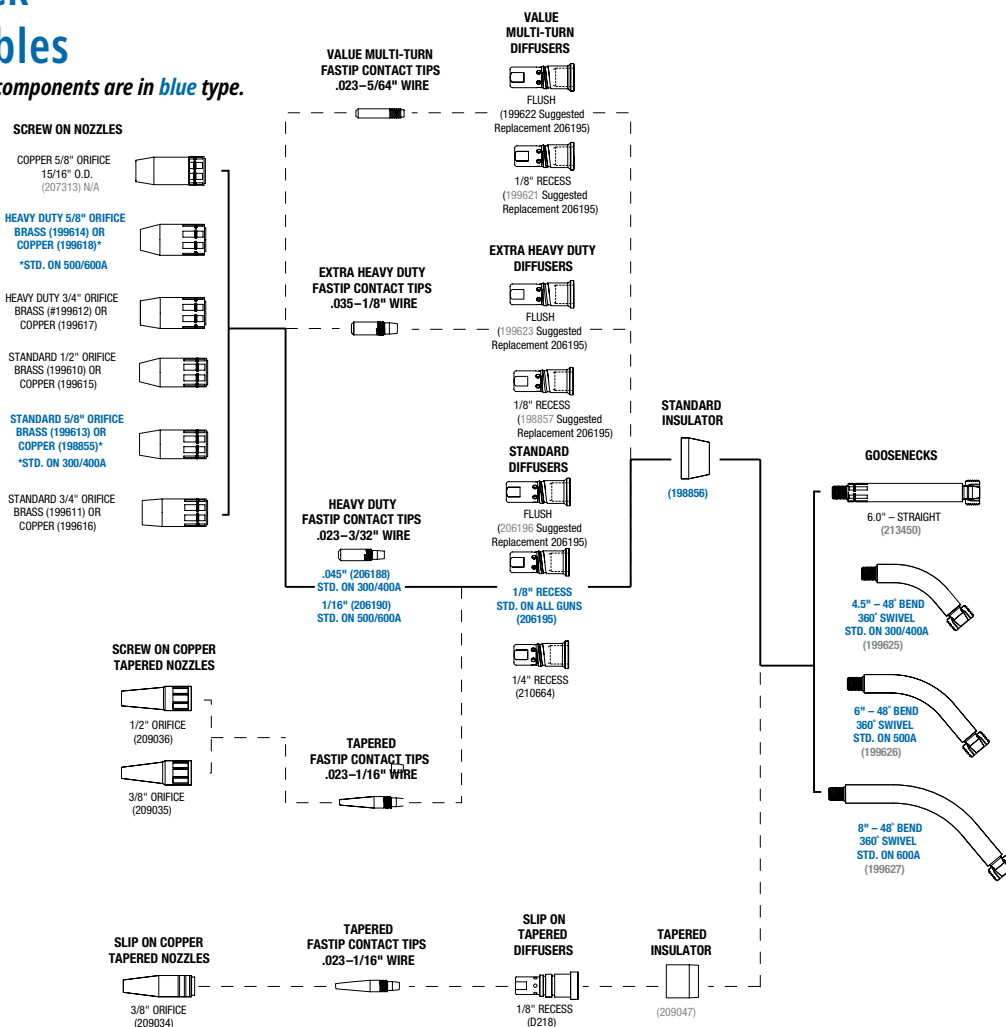
| Item # | Part #  | Description                                                                           | Quantity       |
|--------|---------|---------------------------------------------------------------------------------------|----------------|
| 1      | 198855  | Nozzle, scr type copper 5/8 in orifice                                                | 1              |
|        | 199618  | Nozzle, scr type copper 5/8 in orifice heavy-duty                                     | 1              |
| 2      | 223018  | Tip, contact, .045 in (1.2 mm) heavy-duty FasTip™                                     | 1 (10 per pkg) |
|        | 206188  | Tip, contact, .045 in (1.2 mm) heavy-duty FasTip™                                     | 1 (25 per pkg) |
|        | 223200  | Tip, contact, 1/16 in (1.6 mm) heavy-duty FasTip™                                     | 1 (10 per pkg) |
|        | 206190  | Tip, contact, 1/16 in (1.6 mm) heavy-duty FasTip™                                     | 1 (25 per pkg) |
| 3      | 206195  | Diffuser, gas 1/8 in tip recess – for standard and heavy-duty FasTip™                 | 1              |
| 4      | 202889  | Liner, monocoil .023 – .030 wire x 15 ft round wound                                  | 1              |
|        | 202890  | Liner, monocoil .035 – .045 wire x 15 ft round wound                                  | 1              |
|        | 202891  | Liner, monocoil .052 – 1/16 wire x 15 ft round wound                                  | 1              |
|        | 202892  | Liner, monocoil 1/16 – .078 wire x 15 ft flat wound                                   | 1              |
|        | 202893  | Liner, monocoil 5/64 – 3/32 wire x 15 ft flat wound                                   | 1              |
|        | 202894  | Liner, monocoil 7/64 – 1/8 wire x 15 ft flat wound                                    | 1              |
|        | 202895  | Liner, monocoil 3/64 – 1/16 wire x 15 ft aluminum wires                               | 1              |
| 5      | 199625  | Gooseneck, jacketed 4.5 in/50° wrench swivel (C-30 / C-40) (includes)                 | 1              |
|        | 199626  | Gooseneck, jacketed 6 in/50° wrench swivel (C-50) (includes)                          | 1              |
|        | 199627  | Gooseneck, jacketed 8 in/50° wrench swivel (C-60) (includes)                          | 1              |
|        | 213450  | Gooseneck, jacketed 6 in/straight (optional for C-30 / C-40 / C-50 / C-60) (includes) | 1              |
| 6      | 198856  | Insulator, rubber                                                                     | 1              |
| 7      | 202292  | Cover, nut                                                                            | 1              |
| 8      | 199630  | Handle, small pair flared P style (C-30 / C-40 includes)                              | 1              |
| 8      | 199631  | Handle, large pair (C-50 / C-60 includes)                                             | 1              |
|        | 199634  | Screw, M3 x 11 (for 199630 C-30 / C-40 Handle only)                                   | 1              |
|        | 199635  | Nut, M3 Hex (for 199630 C-30 / C-40 Handle only)                                      | 1              |
|        | 199632  | Screw, M4 x 18                                                                        | 4              |
|        | 199633  | Nut, M4 square                                                                        | 4              |
|        | 199647  | Label, gun handle Miller® Roughneck                                                   | 2              |
| 9      | 177488H | Switch, blue trigger                                                                  | 1              |
|        | MS2110  | Switch, locking trigger (optional)                                                    | 1              |
| 10     | 199629  | Switch, contact pin                                                                   | 2              |
| 11     | 079531  | Conn, circ cpc clamp str rlf size 11.453 OD                                           | 1              |
| 12     | 079878  | Housing plug + pins (service kit)                                                     | 1              |
| 13     | 199637  | Screw, machine binding head                                                           | 1              |
| 14     | 199640  | Adapter, Miller® power pin (includes)                                                 | 1              |
| 15     | 079974  | O-ring, Miller® power pin                                                             | 2              |
| 16     | 2520033 | Cable Strain Relief 2 & 3 (300 Amp)                                                   | 1              |
|        | 2520041 | Strain Relief Assembly – Contact Bernard (400, 500, 600 Amp)                          | 1              |
| 17     | GN2021  | Electrical Plug – Non D/S (Includes items 11 & 12)                                    | 1              |
| 18     | 227650  | Strain Relief, Rear (works on all Amp guns)                                           | 1              |





## Roughneck® Consumables

Note: Standard gun components are in blue type.



## Roughneck® Contact Tips

| (10 p/pkg)                      | (25 p/pkg)          | Description                                    | (10 p/pkg)                              | (25 p/pkg) | Description                |
|---------------------------------|---------------------|------------------------------------------------|-----------------------------------------|------------|----------------------------|
| <b>Heavy-Duty FasTip™</b>       |                     |                                                | <b>Tapered FasTip™</b>                  |            |                            |
| —                               | 206184              | .023 in (0.6 mm)                               | —                                       | 209024     | .023 in (0.6 mm)           |
| —                               | 206185              | .030 in (0.8 mm)                               | —                                       | 209025     | .030 in (0.8 mm)           |
| 223016                          | 206186              | .035 in (0.9 mm)                               | —                                       | 209026     | .035 in (0.9 mm)           |
| 223017                          | 206187              | .040 in (1.0 mm)                               | —                                       | 209027     | .045 in (1.2 mm)           |
| 223018 <sup>1</sup>             | 206188 <sup>1</sup> | .045 in (1.2 mm)                               | —                                       | 209028     | 3/64 in (1.2 mm)           |
| 223019                          | 206189              | .052 in (1.3 mm) or 3/64 in (1.2 mm) alum wire | —                                       | 209029     | .052 in (1.3 mm)           |
| 223200 <sup>2</sup>             | 206190 <sup>2</sup> | 1/16 in (1.6 mm)                               | —                                       | 209030     | 1/16 in (1.6 mm)           |
| —                               | 206191              | .068 in (1.7 mm)                               | <b>Value Multi-Turn</b>                 |            |                            |
| —                               | 206192              | 5/64 in (2.0 mm)                               | —                                       | 087300     | .023 in (0.6 mm) - N/A     |
| —                               | 206193              | 3/32 in (2.4 mm)                               | —                                       | 071825     | .030 in (0.8 mm)           |
| <b>Extra Heavy-Duty FasTip™</b> |                     |                                                | —                                       | 054202     | .035 in (0.9 mm)           |
| —                               | 199605              | .035 in (0.9 mm)                               | —                                       | 054201     | .045 in (1.2 mm)           |
| —                               | 199606              | .040 in (1.0 mm)                               | —                                       | 199593     | 3/64 in (1.2 mm) alum wire |
| —                               | 198851              | .045 in (1.2 mm)                               | —                                       | 047566     | 1/16 in (1.6 mm)           |
| —                               | 198852 (206189)     | .052 in (1.3 mm) or 3/64 in (1.2 mm) alum wire | —                                       | 199594     | .068 in (1.8 mm)           |
| —                               | 198853 (T-062)      | 1/16 in (1.6 mm)                               | <i>Optional<br/>For all gun lengths</i> |            |                            |
| —                               | 198854              | .068 in (1.7 mm)                               |                                         |            |                            |
| —                               | 199609              | 7/64 - 1/8 in (2.8 mm)                         |                                         |            |                            |

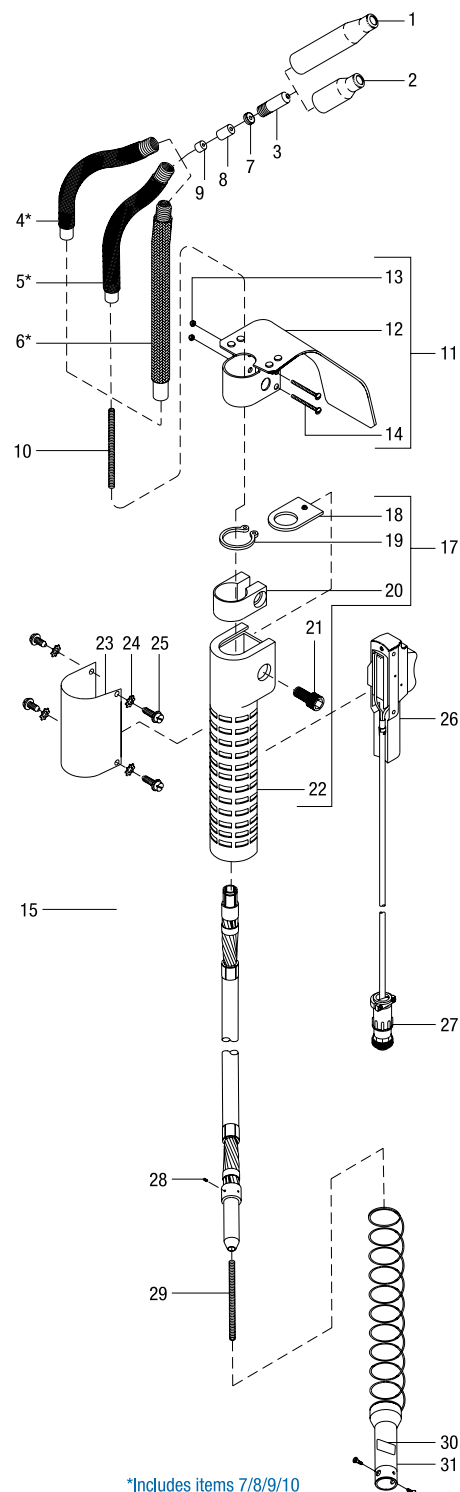


Ironmate™

## FC-1150

### Service Parts/Consumables

| Item # | Part #                    | Description                                          | Quantity       |
|--------|---------------------------|------------------------------------------------------|----------------|
|        | <b>194863</b>             | FC-1150 Gun, 15 ft (3/32-1/8 in. wire)               | 1              |
| 1      | <b>201262</b>             | Nozzle, insulated 2-3/4 in stickout                  | 1              |
| 2      | <b>201261</b>             | Nozzle, insulated 2 in stickout                      | 1              |
| 3      | <b>201256</b>             | Tip, contact 3/32 in                                 | 1 (25 per pkg) |
|        | <b>201257</b>             | Tip, contact 7/64 in                                 | 1 (25 per pkg) |
|        | <b>201258</b>             | Tip, contact .120 in                                 | 1 (25 per pkg) |
|        | <b>201259</b>             | Tip, contact 1/8 in                                  | 1 (25 per pkg) |
| 4      | <b>201250<sup>1</sup></b> | Gooseneck, 82° bend (includes)                       | 1              |
| 4      | <b>201251<sup>1</sup></b> | Gooseneck, 82° bend, aluminum jacketed (includes)    | 1              |
| 5      | <b>201247</b>             | Gooseneck, 25° bend (includes)                       | 1              |
| 5      | <b>201248<sup>1</sup></b> | Gooseneck, 45° bend, (includes)                      | 1              |
| 5      | <b>201249<sup>1</sup></b> | Gooseneck, 45° bend, aluminum jacketed (includes)    | 1              |
| 6      | <b>201252<sup>1</sup></b> | Gooseneck, straight 5° bend, (includes)              | 1              |
| 7      | <b>201253</b>             | Liner, locking screw 3/8 in – 16                     | 1              |
| 8      | <b>201254</b>             | Insert, steel                                        | 1              |
| 9      | <b>201255</b>             | Insert, ceramic                                      | 1              |
| 10     | <b>201260</b>             | Liner, gooseneck replacement (short, for 6 in goose) | 1              |
| 11     | <b>201245</b>             | Shield Kit, heat (consists of)                       | 1              |
| 12     | —                         | Shield, heat (not available separately)              | 1              |
| 13     | <b>198681</b>             | Nut, 008-32 .34 hex .23h stl pld elastic stop nut    | 2              |
| 14     | <b>135646</b>             | Screw, 008-32 x 1.50 rnd hd-phl stl pld              | 2              |
| 15     | <b>224083</b>             | Housing Kit with Hardware — less switch              | 1              |
| 16     | <b>224083</b>             | Housing assembly, trigger                            | 1              |
| 17     | <b>194714</b>             | Handle Kit, assembly (consists of)                   | 1              |
| 18     | <b>198821</b>             | Shield, spatter                                      | 1              |
| 19     | <b>081664</b>             | Ring, rtng ext .625 shaft grv x .042 thk e style     | 1              |
| 20     | <b>198820</b>             | Clamp                                                | 1              |
| 21     | <b>133774</b>             | Screw, cap stl sch .250-20 x .625 pld                | 1              |
| 22     | <b>198819 (213229)</b>    | Handle                                               | 1              |
|        | <b>000369</b>             | Switch, limit 10 amp, 125/250 VAC                    | 1              |
| 23     | <b>198743</b>             | Clamp, switch housing                                | 1              |
| 24     | <b>602202</b>             | Washer, tooth .168 id x .340 od x .023 t stl pld     | 4              |
| 25     | <b>070001</b>             | Screw, 008-32 x .25 hexwhd-pln stl pld               | 4              |
| 26     | <b>194713</b>             | Switch Kit, assembly 15 ft (consists of)             | 1              |
| 26     | <b>195735</b>             | Switch Kit, assembly 10 ft (consists of)             | 1              |
| 27     | <b>079878</b>             | Housing Plug and Pins (service kit)                  | 1              |
| 28     | <b>198894</b>             | Screw, set #8-32 x .312 — liner locking              | 1              |
| 29     | <b>201246</b>             | Kit, replacement standard liner 15 ft (includes)     | 1              |
| 30     | <b>201276</b>             | Label, FC-1150 gun, 10 ft                            | 1              |
| 30     | <b>201277</b>             | Label, FC-1150 gun, 15 ft                            | 1              |
| 31     | <b>195733</b>             | Kit, insulator sleeve with spring and screws         | 1              |

<sup>1</sup>Optional

\*Includes items 7/8/9/10

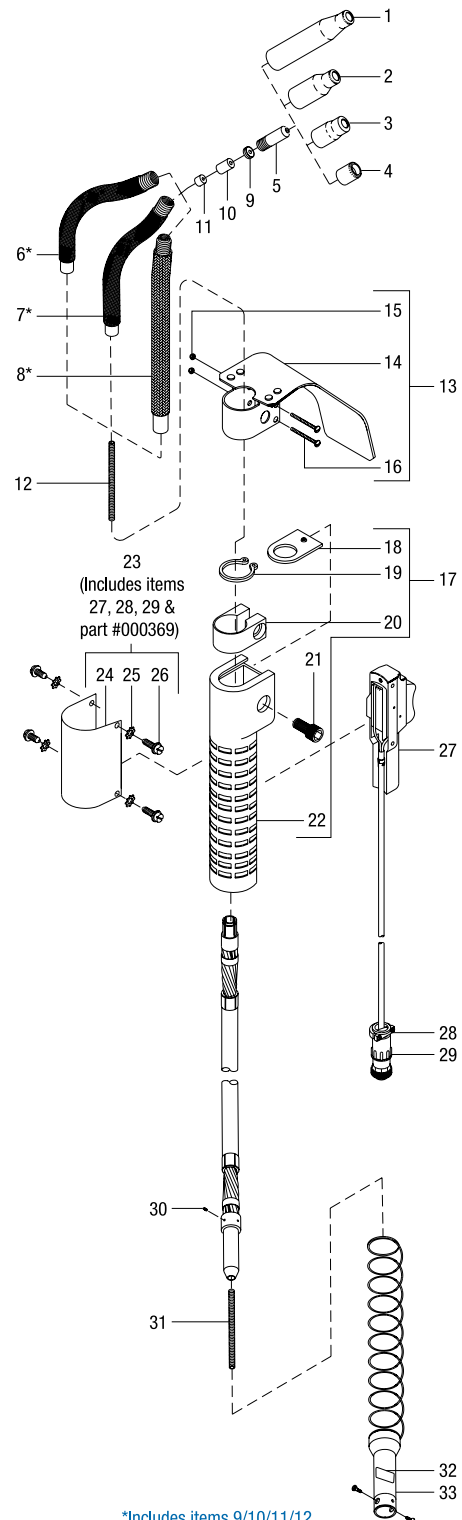
Ironmate FC-1150 Gun

## Ironmate™ FC-1260 and FC-1260LM

| Item # | Part #                 | Description                                                | Quantity       |
|--------|------------------------|------------------------------------------------------------|----------------|
|        | <b>237410 (213439)</b> | FC-1260 Gasless Gun, 10.5 ft (.045-3/32 90 deg)            | 1              |
|        | <b>213439</b>          | FC-1260LM Gasless Gun, 15 ft (.045-3/32 90 deg)            | 1              |
| 1      | <b>198803</b>          | Nozzle, insulated 2-3/4 in stickout                        | 1              |
| 2      | <b>198802</b>          | Nozzle, insulated 2 in stickout                            | 1              |
| 3      | <b>198801</b>          | Nozzle, insulated                                          | 1              |
| 4      | <b>198800</b>          | Protector, thread                                          | 1 (5 per pkg)  |
| 5      | <b>198784</b>          | Tip, contact .045 (1.2 mm)                                 | 1 (25 per pkg) |
|        | <b>198785</b>          | Tip, contact 1/16 (1.6 mm)                                 | 1 (25 per pkg) |
|        | <b>198786</b>          | Tip, contact .068 – .072 (1.7 – 1.8 mm)                    | 1 (25 per pkg) |
|        | <b>198788</b>          | Tip, contact 5/64 (2.0 mm)                                 | 1 (25 per pkg) |
|        | <b>198790</b>          | Tip, contact 3/32 (2.4 mm)                                 | 1 (25 per pkg) |
| 6      | <b>198794</b>          | Gooseneck, 6 in, 50° bend (includes)                       | 1              |
|        | <b>199332</b>          | Gooseneck, 6 in, 50° bend, aluminum jacketed (includes)    | 1              |
|        | <b>198795</b>          | Gooseneck, 12 in, 50° bend (includes)                      | 1              |
|        | <b>199333</b>          | Gooseneck, 12 in, 50° bend, aluminum jacketed (includes)   | 1              |
|        | <b>198798 (198794)</b> | Gooseneck, 6 in, 90° bend (includes)                       | 1              |
|        | <b>199334</b>          | Gooseneck, 6 in, 90° bend, aluminum jacketed (includes)    | 1              |
| 7      | <b>198796 (198794)</b> | Gooseneck, 6 in, 30° bend (includes)                       | 1              |
|        | <b>199335</b>          | Gooseneck, 6 in, 30° bend, aluminum jacketed (includes)    | 1              |
|        | <b>198797</b>          | Gooseneck, 12 in, 30° bend (includes)                      | 1              |
|        | <b>199336</b>          | Gooseneck, 12 in, 30° bend, aluminum jacketed (includes)   | 1              |
| 8      | <b>198799</b>          | Gooseneck, 8 in straight with 5° bend (includes)           | 1              |
| 9      | <b>198752</b>          | Liner, locking screw 5/16 in – 18                          | 1              |
| 10     | <b>198758</b>          | Insert, steel                                              | 1              |
| 11     | <b>198806</b>          | Insert, ceramic                                            | 1              |
| 12     | <b>198791</b>          | Liner, gooseneck replacement (short, for 6 in goose)       | 1              |
|        | <b>198792</b>          | Liner, gooseneck replacement (med, for 8 in goose)         | 1              |
|        | <b>198793</b>          | Liner, gooseneck replacement (long, for 12 in goose)       | 1              |
| 13     | <b>194712</b>          | Shield Kit, heat (consists of)                             | 1              |
| 14     | —                      | Shield, heat (not available separately)                    | 1              |
| 15     | <b>198681</b>          | Nut, 008-32 .34 hex .23h stl pld elastic stop nut          | 2              |
| 16     | <b>135646</b>          | Screw, 008-32 x 1.50 rmd hd-plh stl pld                    | 2              |
| 17     | <b>194714</b>          | Handle Kit, assembly (consists of)                         | 1              |
| 18     | <b>198821</b>          | Shield, spatter                                            | 1              |
| 19     | <b>081664</b>          | Ring, rtng ext .625 shaft grv x .042 thk e style           | 1              |
| 20     | <b>198820</b>          | Clamp                                                      | 1              |
| 21     | <b>133774</b>          | Screw, cap stl sch .250-20 x .625 pld                      | 1              |
| 22     | <b>198819 (213229)</b> | Handle                                                     | 1              |
| 23     | <b>194713</b>          | Switch Kit, assembly 15 ft (consists of)                   | 1              |
|        | <b>195735</b>          | Switch Kit, assembly 10 ft (consists of)                   | 1              |
| 24     | <b>198743</b>          | Clamp, switch housing                                      | 1              |
| 25     | <b>602202</b>          | Washer, tooth .168 id x .340 od x .023 t stl pld           | 4              |
| 26     | <b>070001</b>          | Screw, 008-32 x .25 hexwhd-pln stl pld                     | 4              |
| 27     | <b>224083</b>          | Aluminum Housing Kit with Hardware — less switch           | 1              |
| 28     | <b>079531</b>          | Conn, circ cpc clamp str rlf size 11 .453 od               | 1              |
| 29     | <b>079878</b>          | Housing Plug and Pins (service kit)                        | 1              |
|        | <b>000369</b>          | Switch, limit 10 amp, 125/250 VAC                          | 1              |
| 30     | <b>198894</b>          | Screw, set #8-32 x .312 — liner locking                    | 1              |
| 31     | <b>195731</b>          | Kit, replacement standard liner 15 ft (includes)           | 1              |
| 31     | <b>199178</b>          | Kit, .045 conversion monocoil liner 15 ft (includes)       | 1              |
|        | <b>166575</b>          | Wrench, hex .078 across flat                               | 1              |
| 32     | <b>198759</b>          | Label, FC-1260 gun, 10 ft                                  | 1              |
|        | <b>198767</b>          | Label, FC-1260 gun, 15 ft                                  | 1              |
| 33     | <b>195733</b>          | Kit, insulator sleeve with spring                          | 1              |
|        | <b>202295</b>          | Insulator, phenolic (FC-1260LM only)                       | 1              |
|        | <b>202294</b>          | Adapter, Miller® feeder (FC-1260LM only)                   | 1              |
|        | <b>202692</b>          | Adapter, Miller® to Lincoln trigger leads (FC-1260LM only) | 1              |

<sup>1</sup>Standard  
<sup>2</sup>Use .045 in Conversion Kit  
<sup>3</sup>Items recessed in Gooseneck

**Note:** Each Gooseneck includes locking screw liner, inserts, and appropriate gooseneck liner.



\*Includes items 9/10/11/12

**Ironmate FC-1260 Gun**

## Miller Spool Gun Compatibility

| Model Name                       | Serial Number Effective Date | Spoolgun                            | Adaptor                              | Model Name                            | Serial Number Effective Date | Spoolgun                                      | Adaptor                                           |
|----------------------------------|------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|------------------------------|-----------------------------------------------|---------------------------------------------------|
| Alumapower MPA                   | All Serial Numbers           | Spoolmatic 15A, 30A                 | WC-24 (137549)                       | Millermatic 251                       | All Serial Numbers           | Spoolmatic 15A, 30A & Spoolmate 200           | Direct Connect                                    |
| Bobcat 200 AirPak                | All Serial Numbers           | Spoolmatic 15A, 30A                 | Direct Connect                       | Millermatic 252                       | All Serial Numbers           | Spoolmatic 15A, 30A & Spoolmate 200           | Direct Connect                                    |
| Bobcat 265 Models                | All Serial Numbers           | Spoolmatic 15A, 30A                 | Direct Connect                       | Millermatic 255                       | All Serial Numbers           | Spoolmatic 15A, 30A & Spoolmate 200           | Direct Connect                                    |
| Bobcat Series (All Other Models) | All Serial Numbers           | Spoolmatic 15A, 30A                 | WC-115A w/ Contactor Kit (137546011) | Millermatic 300 with Meters           | All Serial Numbers           | Spoolmatic 15A, 30A & Spoolmate 200           | Direct Connect                                    |
| CP Series                        | All Serial Numbers           | Spoolmatic 15A, 30A                 | WC-24 (137549)                       | Millermatic 300 without Meters        | All Serial Numbers           | Spoolmatic 15A, 30A & Spoolmate 200           | WC-24 (137549)                                    |
| Deltaweld Series                 | All Serial Numbers           | Spoolmatic 15A, 30A                 | WC-24 (137549)                       | Millermatic 350                       | All Serial Numbers           | Spoolmatic 15A, 30A                           | Direct Connect                                    |
| Dimension Series                 | All Serial Numbers           | Spoolmatic 15A, 30A                 | WC-24 (137549)                       | Millermatic 355                       | All Serial Numbers           | Spoolmatic 15A, 30A                           | Direct Connect                                    |
| Invision Series                  | All Serial Numbers           | Spoolmatic 15A, 30A                 | WC-24 (137549)                       | Millermatic DVI                       | All Serial Numbers           | Spoolmate 3035                                | Switch and Gas Diverter kit (207642)              |
| Millermatic 140/140 Auto Set     | Prior to SN LH510051N        | N/A                                 |                                      |                                       |                              | Spoolmate 200                                 | Switch/Gas Diverter kit & Cable (207642 & 195287) |
|                                  | Eff with SN LH510051N        | Spoolmate 100                       | Control Switch (233701)              | Millermatic Passport Plus             |                              | Spoolmate 100                                 | Direct Connect (only on the plus version)         |
| Millermatic 141                  | All Serial Numbers           | Spoolmate 100                       | Direct Connect                       | Millermatic Pulser                    | All Serial Numbers           | Spoolmate 3035                                | Direct Connect                                    |
| Millermatic 142                  | All Serial Numbers           | Spoolmate 100, 150                  | Direct Connect                       |                                       |                              | Spoolmatic 15A, 30A & Spoolmate 200           | Adaptor Cable (195287)                            |
| Millermatic 180                  | Prior to SN LH210051N        | N/A                                 |                                      | Miller Legend 302                     | All Serial Numbers           | Spoolmatic 15A, 30A                           | WC-115A w/ Contactor Kit (137546011)              |
|                                  | Eff with SN LH210051N        | Spoolmate 100                       | Control Switch (233701)              |                                       |                              | Spoolmate 100                                 | Direct Connect                                    |
| Millermatic 185                  | Prior to KH376829            | N/A                                 |                                      | Multimatic 200                        | Prior to MF364047N           | Spoolmate 100, 150                            | Direct Connect                                    |
|                                  | Eff with KH376829            | Spoolmate 3035                      | Switch and Gas Diverter kit (207642) | Multimatic 200                        | Eff With MF364047N           | Spoolmate 100, 150                            | Direct Connect                                    |
| Millermatic 190                  | All Serial Numbers           | Spoolmate 100                       | Direct Connect                       | Multimatic 215                        | All Serial Numbers           | Spoolmate 100, 150                            | Direct Connect                                    |
| Millermatic 200                  | Prior to JJ407380            | N/A                                 |                                      | Multimatic 220                        | All Serial Numbers           | Spoolmate 100, 150                            | Direct Connect                                    |
|                                  | Eff with JJ407380            | Spoolmatic 15A, 30A & Spoolmate 200 | WC-24 (137549)                       | Multimatic 235                        | All Serial Numbers           | Spoolmatic 15A, 30A & Spoolmate 100, 150, 200 | Direct Connect                                    |
| Millermatic 210                  | All Serial Numbers           | Spoolmate 3035                      | Direct Connect                       | Multimatic 255                        | All Serial Numbers           | Spoolmatic 15A, 30A & Spoolmate 200           | Direct Connect                                    |
|                                  |                              | Spoolmatic 15A, 30A & Spoolmate 200 | Adaptor Cable (195287)               | Renegade 180                          | All Serial Numbers           | Spoolmate 100                                 | Direct Connect                                    |
| Millermatic 211 Autoset w/ MVP   | All Serial Numbers           | Spoolmate 100, 150                  | Direct Connect                       | Syncrowave 210 TIG                    | All Serial Numbers           | Spoolmate 100, 150                            | Retrofit Kit (269044 & 301254)                    |
| Millermatic 212                  | All Serial Numbers           | Spoolmate 3035                      | Direct Connect                       | Syncrowave 210 TIG/MIG Complete       | All Serial Numbers           | Spoolmate 100, 150                            | Direct Connect                                    |
|                                  |                              | Spoolmatic 15A, 30A & Spoolmate 200 | Adaptor Cable (195287)               | Trailblazer 330 Models                | All Serial Numbers           | Spoolmatic 15A, 30A & Spoolmate 200           | Direct Connect                                    |
| Millermatic 212 Auto set         | All Serial Numbers           | Spoolmatic 15A, 30A & Spoolmate 200 | Direct Connect                       | Trailblazer Series (All Other Models) | All Serial Numbers           | Spoolmatic 15A, 30A & Spoolmate 200           | WC-24 (137549)                                    |
| Millermatic 250X                 | All Serial Numbers           | Spoolmatic 15A, 30A & Spoolmate 200 | Direct Connect                       | XMT Series                            | All Serial Numbers           | Spoolmatic 15A, 30A                           | WC-24 (137549)                                    |

*If your machine isn't listed, no Spool Gun options are available.*



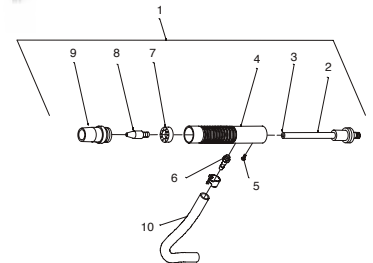
# SPOOL GUNS

## Spoolmate™ 100 Series

| Item # | Part #          | Description                         | Quantity |
|--------|-----------------|-------------------------------------|----------|
| 1      | 186404          | Gun Tube Assembly (Includes)        | 1        |
| 2      | 234348          | Head Tube Assembly                  | 1        |
| 3      | 206363          | Liner Kit                           | 1        |
| 4      | 194633 (186404) | Barrel                              | 1        |
| 5      | 209080          | Screw, M4 x 0.7 x 6 mm              | 1        |
| 6      | 186408          | Gas Nipple                          | 1        |
| 7      | 186409          | Gas Diffuser                        | 1        |
| 8      | 186406          | Contact Tip .035                    | 1        |
| 8      | 186419          | Contact Tip .030                    | 1        |
| 8      | 199730          | Contact Tip .023                    | 1        |
| 9      | 186405          | Nozzle                              | 1        |
| 10     | 111400          | Hose, SAE .187 ID x .410 OD x 8.000 | 1        |

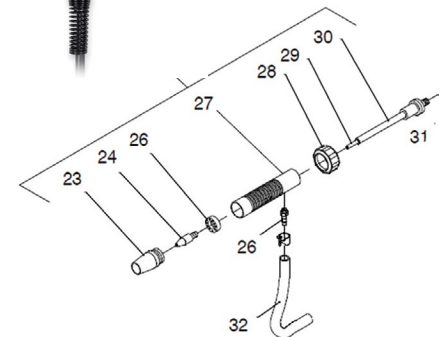


**Spoolmate 100  
Spool Gun**



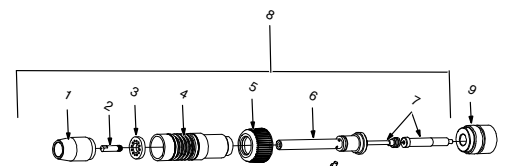
## Spoolmate™ 150 Series

| Item # | Part #          | Description                         | Quantity |
|--------|-----------------|-------------------------------------|----------|
| 22     | 199385          | Gun Tube Assembly (Includes)        | 1        |
| 23     | 050622          | Nozzle                              | 1        |
| 24     | 199387          | Contact Tip .030                    | 1        |
| 24     | 199388          | Contact Tip .035                    | 1        |
| 24     | 199389          | Contact Tip .047                    | 1        |
| 25     | 199391 (199385) | Gas Nipple                          | 1        |
| 26     | 199390          | Gas Diffuser                        | 1        |
| 27     | 199393 (199385) | Barrel                              | 1        |
| 28     | 196847          | Lock Nut                            | 1        |
| 29     | 206363          | Liner Kit                           | 1        |
| 30     | 199394 (199385) | Head Tube Assembly                  | 1        |
| 31     | 196398          | Buss Bar, Interconnecting           | 1        |
|        | 111400          | Hose, SAE .187 ID x .410 OD x 8.000 |          |



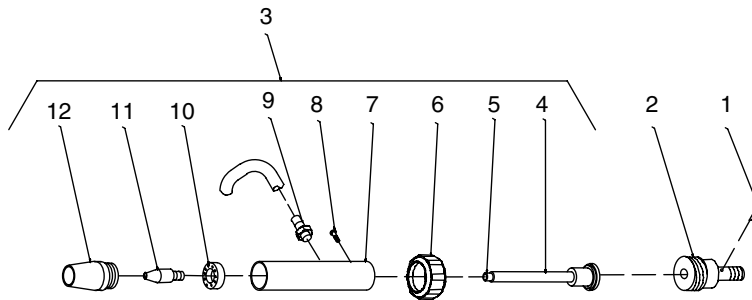
## Spoolmate™ 200 Series with HD Barrel

| Item # | Part # | Description                                | Quantity |
|--------|--------|--------------------------------------------|----------|
| 1      | 050622 | Nozzle, Scr Type .562 Orif x 1.437 Lg      | 1        |
| 2      | 199388 | Contact Tip, 0.035 M6 x 1mm Thread         | 1        |
| 2      | 199387 | Contact Tip, 0.030 M6 x 1mm Thread         | 1        |
| 3      | 199390 | Gas Diffuser                               | 1        |
| 4      | 244857 | Barrel, Spoolmate 200 HD                   | 1        |
| 5      | 243383 | Locking Nut                                | 1        |
| 6      | 244858 | Head Tube, Spoolmate 200 HD                | 1        |
| 7      | 247367 | Kit, Liner W/Outlet Guide Spoolmate 200 HD | 1        |
| 8      | 300593 | Barrel Assy, Heavy Duty/Spoolmate 200      | 1        |
| 9      | 243390 | Contact Adapter                            | 1        |

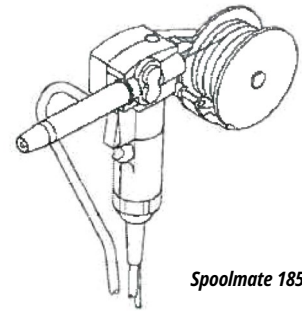


## Spoolmate™ 185 & 3035 Series

| Item # | Part #          | Description                  | Quantity |
|--------|-----------------|------------------------------|----------|
| 1      | 197570          | Anti-Rotation Pin            | 1        |
| 2      | 196848          | Contact Adapter              | 1        |
| 3      | 196827          | Gun Tube Assembly (Includes) | 1        |
| 4      | 196849          | Head Tube Assembly           | 1        |
| 5      | 206363          | Liner Kit                    | 1        |
| 6      | 196847          | Locking Nut                  | 1        |
| 7      | 194633 (186404) | Barrel                       | 1        |
| 8      | 209080          | Screw, M4 x 0.7 x 6 mm       | 1        |
| 9      | 186408          | Gas Nipple                   | 1        |
| 10     | 186409          | Gas Diffuser                 | 1        |
| 11     | 186419          | Contact Tip .030             | 1        |
| 11     | 186406          | Contact Tip .035             | 1        |
| 11     | 199730          | Contact Tip .023             | 1        |
| 12     | 186405          | Nozzle                       | 1        |



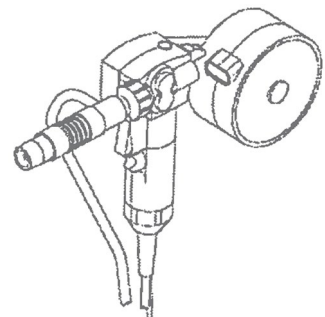
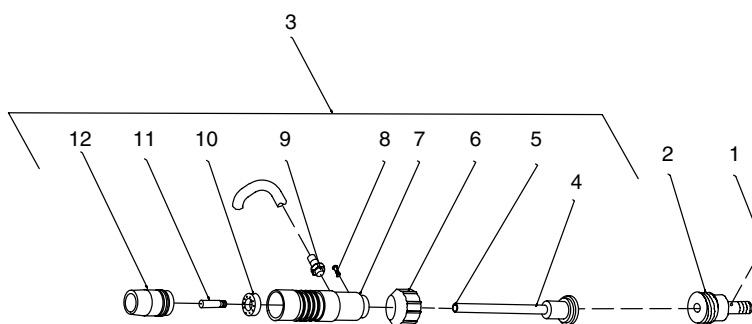
Spoolmate 3035 Spool Gun



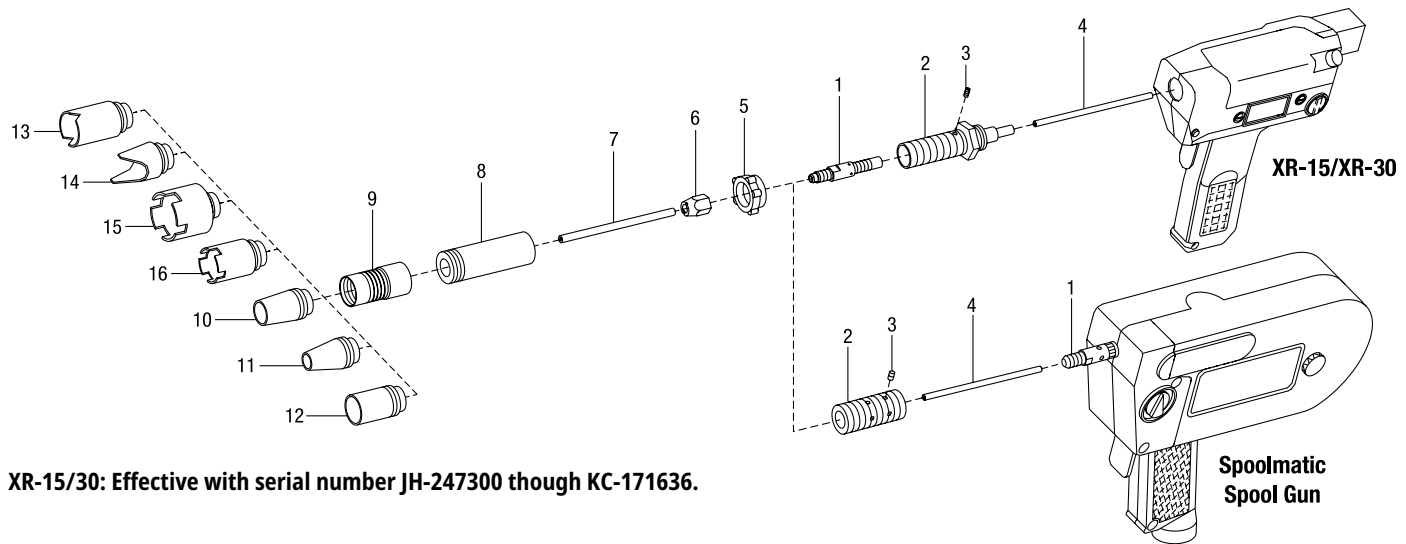
Spoolmate 185 Spool Gun

## Spoolmate™ 250 Series

| Item # | Part #          | Description                       | Quantity |
|--------|-----------------|-----------------------------------|----------|
| 1      | 197570          | Anti-Rotation Pin                 | 1        |
| 2      | 196848          | Contact Adapter                   | 1        |
| 3      | 199385          | Gun Tube Assembly (consisting of) | 1        |
| 4      | 199394 (199385) | Head Tube Assembly                | 1        |
| 5      | 206363          | Liner Kit                         | 1        |
| 6      | 196847          | Locking Nut                       | 1        |
| 7      | 199393 (199385) | Barrel                            | 1        |
| 8      | 209080          | Screw, M5 x 0.7 x 6 mm            | 1        |
| 9      | 199391 (199385) | Gas Nipple                        | 1        |
| 10     | 199390          | Gas Diffuser                      | 1        |
| 11     | 199387          | Contact Tip .030                  | 1        |
| 11     | 199388          | Contact Tip .035                  | 1        |
| 11     | 199389          | Contact Tip .047                  | 1        |
| 12     | 050622          | Nozzle                            | 1        |



# SPOOL GUNS



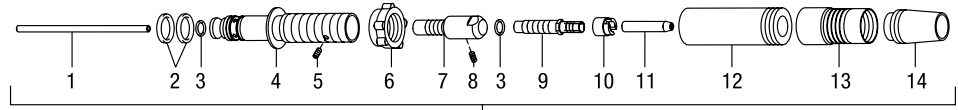
XR-15/30: Effective with serial number JH-247300 through KC-171636.

## XR™-15/XR™-30 and Spoolmatic® 1,2,3

| Item # | Part #<br>XR-15/30 | Part #<br>Spoolmatic 1,2,3 | Description                                                            | Quantity      |
|--------|--------------------|----------------------------|------------------------------------------------------------------------|---------------|
| 1      | 112704             | 058678                     | Adapter, contact tube                                                  | 1             |
| 2      | 112885             | 009541                     | Adapter, barrel                                                        | 1             |
| 3      | 602172             | —                          | Screw, set stl sch 10-32 x .187 cup point                              | 1             |
| —      | —                  | 604771                     | Screw, set stl sch 10-32 x .125 cup point                              | 4             |
| 4      | 112708             | —                          | Liner, teflon .030 – .035 (0.8 – 0.9 mm) wire x 4.125                  | 3             |
| —      | 112707             | —                          | Liner, teflon .047 – 1/16 (1.2 – 1.6 mm) wire x 4.125                  | 1             |
| —      | —                  | 058681                     | Liner, teflon .030 – .035 (0.8 – 0.9 mm) wire x 5.187                  | 3             |
| —      | —                  | 058682                     | Liner, teflon .047 – 1/16 (1.2 – 1.6 mm) wire x 5.187                  | 3             |
| 5      | 058685             | 058685                     | Nut, jam nozzle extension                                              | 1             |
| 6      | 058676             | 058676                     | Nut, brs cprsn .438-20                                                 | 1             |
| 7      | 050638             | 050638                     | Tube, cont sl .030 (0.8 mm) wire x 4.000                               | 1 (5 per pkg) |
| —      | 094259             | 094259                     | Tube, cont sl .035 (0.9 mm) wire x 4.000                               | 1 (5 per pkg) |
| —      | 094260             | 094260                     | Tube, cont sl .047 (1.2 mm) wire x 4.000                               | 1 (5 per pkg) |
| —      | 050637             | 050637                     | Tube, cont sl 1/16 (1.6 mm) wire x 4.000                               | 1 (5 per pkg) |
| 8      | 156821             | 156821                     | Extension, barrel 2.875 lg                                             | 1             |
| 9      | 144862             | 144862                     | Extension, nozzle                                                      | 1             |
| 10     | 050622             | 050622                     | Nozzle, 5/8 orf (15.9 mm) x 1-5/8 lg                                   | 1 (2 per pkg) |
| 11     | 050115             | 050115                     | Nozzle, 1/2 orf (12.7 mm) x 1-5/8 lg                                   | 1 (2 per pkg) |
| 12     | 050116             | 050116                     | Nozzle, 13/16 (20.6 mm) orf x 1-5/8 lg                                 | 1 (2 per pkg) |
| 13     | 009925             | 009925                     | Nozzle, spot outside corner .937 ID x 2.375                            | 1             |
| 14     | 000443             | 000443                     | Nozzle, spot inside corner                                             | 1             |
| 15     | 004466             | 004466                     | Nozzle, spot flat, 1-3/8 orf (35 mm)                                   | 1             |
| 16     | 000442             | 000442                     | Nozzle, spot flat, 15/16 orf (24 mm)                                   | 1             |
| —      | 050960             | 050960                     | Wrench                                                                 | 1             |
| —      | 053131             | 053131                     | Drive Roll, V-knur 1/16 (0.8–1.6 mm)                                   | 1             |
| —      | 194405             | —                          | Complete Conduit Assemblies with Liner and Fittings (replaces 112 715) | 15 ft         |
| —      | 194410             | —                          | Complete Conduit Assemblies with Liner and Fittings (replaces 112 716) | 30 ft         |
| —      | 191065             | —                          | Replacement Liner, gun feed cable .187 OD x .110 ID                    | 32 ft         |
| —      | 191066             | —                          | Replacement Liner, gun feed cable .187 OD x .110 ID                    | 50 ft         |
| —      | 197440             | —                          | Replacement Liner, bulk gun feed cable .187 OD x .110 ID               | 500 ft        |
| —      | 191061             | —                          | Replacement Tubing, gun liner carrier                                  | 15 ft         |
| —      | 191062             | —                          | Replacement Tubing, gun liner carrier                                  | 30 ft         |
| —      | 191063             | —                          | Replacement Tubing, gun liner carrier                                  | 50 ft         |
| —      | 156486             | —                          | Conversion Kit, converts XRs with 4" contact tubes to 1-7/16" tubes    | 1             |

<sup>1</sup>Updates XRs from one-piece conduit (112715 or 112716) to new style configuration that features replaceable feed cable liners and improved feedability.

Spoolmatic serial numbers  
KD376404 - LC259177  
XR prior to serial number LC373469



193142 Barrel Assembly



- |                                |                   |                                   |                   |
|--------------------------------|-------------------|-----------------------------------|-------------------|
| 1. Head Tube Liner             | (See chart below) | 11. Contact Tip                   | (See chart below) |
| 2. O-Ring .614 ID              | <b>134800</b>     | 12. Barrel Extension (Air-cooled) | <b>156821</b>     |
| 3. O-Ring .176 ID              | <b>164485</b>     | 13. Nozzle Extension (Air-cooled) | <b>144862</b>     |
| 4. Barrel Adapter (Air-cooled) | <b>164423</b>     | 14. Nozzle (Standard)             | <b>050622</b>     |
| 5. Set Screw                   | <b>602172</b>     | Wrench (Not shown)                | <b>136821</b>     |
| 6. Jam Nut (Air-cooled)        | <b>058685</b>     | 15. Nozzle Extension (13 mm)      | <b>050115</b>     |
| 7. Head Tube (Air-cooled)      | <b>164422</b>     | 16. Nozzle Extension (21 mm)      | <b>050116</b>     |
| 8. Set Screw (Air-cooled)      | <b>604612</b>     |                                   |                   |
| 9. Contact Tip Adapter         | <b>164421</b>     |                                   |                   |
| 10. Collet Nut                 | <b>136748</b>     |                                   |                   |

## XR™/XR-M, Spoolmatic® 15/30A

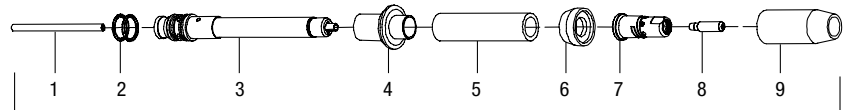
### Consumables

Air-cooled parts breakdown and gun shown. Consult owner's manual for water-cooled parts and consumables.

| Wire Diameter    | Standard Contact Tip I.D.      | Optional (Smaller) Contact Tip I.D. | Gun Head Tube Liner |
|------------------|--------------------------------|-------------------------------------|---------------------|
| .030 in (0.8 mm) | .041 in (1.0 mm) <b>135428</b> | .036 in (1.0 mm) <b>135427</b>      | <b>136682</b>       |
| .035 in (0.9 mm) | .052 in (1.3 mm) <b>135430</b> | .041 in (1.0 mm) <b>147314</b>      | <b>136682</b>       |
| .047 in (1.2 mm) | .061 in (1.5 mm) <b>135424</b> | .052 in (1.0 mm) <b>135429</b>      | <b>136683</b>       |
| .062 in (1.6 mm) | .081 in (2.1 mm) <b>135425</b> | .073 in (1.0 mm) <b>135426</b>      | <b>136683</b>       |

For guns between LC259177 and LE239243.

Spoolmatic effective with serial number LE239243  
XR effective with serial number LE033395



#231 523 Air-Cooled Assembly Kit (Illustrated above)  
#231 524 Water-Cooled Assembly Kit (Not shown, consult owner's manual)

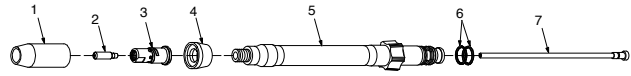
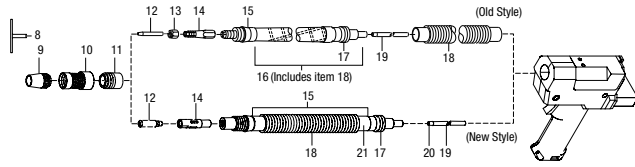
- |                                 |               |                      |                   |
|---------------------------------|---------------|----------------------|-------------------|
| 1. Head Tube Liner              | <b>212156</b> | 6. Nozzle Insulator  | <b>232284</b>     |
| 2. O-Ring .614 ID               | <b>134800</b> | 7. Diffuser          | <b>227749</b>     |
| 3. Barrel Assembly (Air-cooled) | <b>221087</b> | 8. Contact Tip       | (See chart below) |
| 4. Barrel Pistol Insulator      | <b>219795</b> | 9. Nozzle (Standard) | <b>199613</b>     |
| 5. Outer Insulating Jacket      | <b>219794</b> |                      |                   |

## XR™/XR-M, Spoolmatic® 15/30A FasTip™

Air-cooled parts breakdown and gun shown. Consult owner's manual for water-cooled parts and consumables.

| Wire Diameter<br>Steel / Aluminum   | FasTip Contact Tip I.D.        | XR-Pistol<br>Drive Rolls | XR-Pistol All-Wire<br>Dual Groove Drive Rolls | Cable Liners                   |
|-------------------------------------|--------------------------------|--------------------------|-----------------------------------------------|--------------------------------|
| .035 in (0.9 mm) / .030 in (0.8 mm) | .041 in (1.0 mm) <b>206186</b> | <b>183357</b>            | <b>136135</b>                                 | <b>191065</b> 15 ft (4.6 m) or |
| .040 in (1.0 mm) / .035 in (0.9 mm) | .047 in (1.2 mm) <b>206187</b> | <b>183357</b>            | <b>136135</b>                                 | 30 ft (9.1 m)                  |
| .045 in (1.2 mm) / -                | .053 in (1.3 mm) <b>206188</b> | <b>183357</b>            | <b>136135</b>                                 | <b>191066</b> 50 ft (15.2 m)   |
| .052 in (1.3 mm) / .047 in (1.2 mm) | .061 in (1.5 mm) <b>206189</b> | <b>183358</b>            | <b>136135</b>                                 | <b>197440</b> 500 ft (152 m)   |
| .062 in (1.6 mm) / -                | .071 in (1.8 mm) <b>206190</b> | <b>183358</b>            | <b>136135</b>                                 |                                |

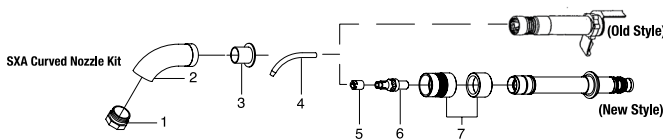
## XR-A/Spoolmatic® 30A Options



| Item # | Part #        | Description                                                                     | Kit Quantity |
|--------|---------------|---------------------------------------------------------------------------------|--------------|
|        | <b>273232</b> | Kit, Flex Head 10 in for XR-A Pistol and Spoolmatic Gun                         |              |
|        | <b>267517</b> | Kit, Flex Head, XR Aluma-Pro, Pistol-Pro, Pistol-Plus and Spoolmatic Pistol Pro |              |
| 1      | <b>198855</b> | Nozzle, Brass                                                                   | 1            |
| 2      | <b>206187</b> | Tip, Fastip .312 OD .040 And .035AL Wires                                       | 3            |
| 2      | <b>206189</b> | Tip, Fastip .312 OD .052 And 3/64AL Wires                                       | 3            |
| 3      | <b>229670</b> | Diffuser, .281/.312 OD Collar Fastip 1/8 Rec Aluma                              | 1            |
| 4      | <b>229889</b> | Nut, Head Tube Rotation Water                                                   | 1            |
| 5      | <b>M1575</b>  | Tube, Body, Head Flexible XR Pistol Guns                                        | 1            |
| 5      | <b>M1516</b>  | Tube, Body, Head Flexible AP/PP/SP Guns                                         | 1            |
| 6      | <b>134800</b> | O-Ring, .614 ID X .070 CS 70 Duro Buna-N O-Ring                                 | 2            |
| 7      | <b>M1507</b>  | Liner, Teflon .030-.035 Wire AP 1                                               | 1            |
| 7      | <b>M1508</b>  | Liner, Teflon .047-.062 Wire AP 1                                               | 1            |
| 7      | <b>M1509</b>  | Liner, Teflon .030-.035 Wire PP/SP 1                                            | 1            |
| 7      | <b>M1514</b>  | Liner, Teflon .047-.062 Wire PP/SP 1                                            | 1            |
|        | <b>M1502</b>  | Kit, Contact Tips, XR Pistol                                                    |              |
|        | <b>273237</b> | Instruction, Field Kit 273232                                                   |              |
|        | <b>267519</b> | Instruction, Field Kit 267519                                                   |              |

*Spoolmatic includes liners for AP, PP and SP.*

| Item # | Part # (Old Style) | Part # (New Style) | Description                                                       | Kit Quantity                  |
|--------|--------------------|--------------------|-------------------------------------------------------------------|-------------------------------|
| 8      | <b>136821</b>      | —                  | Wrench (standard length), nut tip contact                         | 1                             |
| 9      | —                  | <b>See page 43</b> | Nozzle                                                            | 1                             |
| 10     | <b>144862</b>      | <b>144862</b>      | Extension Nozzle                                                  | 1                             |
| 11     | <b>130632</b>      | <b>130632</b>      | Insulator, ring                                                   | 1                             |
| 12     | —                  | <b>See page 43</b> | Contact Tip                                                       | 1                             |
| 13     | <b>136748</b>      | —                  | Nut, compression                                                  | 1                             |
| 14     | <b>136431</b>      | —                  | Adapter, contact tube                                             | 1                             |
|        | —                  | <b>209875</b>      | Diffuser, FasTip slotted                                          | 1                             |
| 15     | <b>153667</b>      | <b>153667</b>      | Clamp, Sst bundle dia 2.00 x .18 wide x 7.90 lg                   | 1 (Old Style) / 2 (New Style) |
| 16     | <b>140665</b>      | <b>212679</b>      | Tube, head flexible (includes)                                    | 1                             |
| 17     | <b>134800</b>      | <b>134800</b>      | O-Ring, .614 ID x .070CS                                          | 2                             |
| 18     | <b>131171</b>      | <b>131171</b>      | Tubing, npm convoluted 7.100 lg x .740 ID cuffs                   | 1                             |
| 19     | <b>138255</b>      | <b>222853</b>      | Liner, teflon .030 - .035 (0.8 - 0.9 mm) wire x 11.625 lg, black  | 1                             |
|        | <b>132682</b>      | <b>1910031</b>     | Liner, teflon .047 - .062 (1.2 - 1.6 mm) wire x 11.625 lg, yellow | 1                             |
|        | —                  | <b>212401</b>      | Liner, phos bronze .030 - 1/16 (0.8 - 1.6 mm) wire x 11.249       | 1                             |
| 20     | —                  | <b>134799</b>      | O-Ring, .176 ID x .070CS                                          | 1                             |
| 21     | —                  | <b>212680</b>      | Flex torch (inside tubing)                                        | 1                             |



*New style Spoolmatic effective with serial number LE239243.*

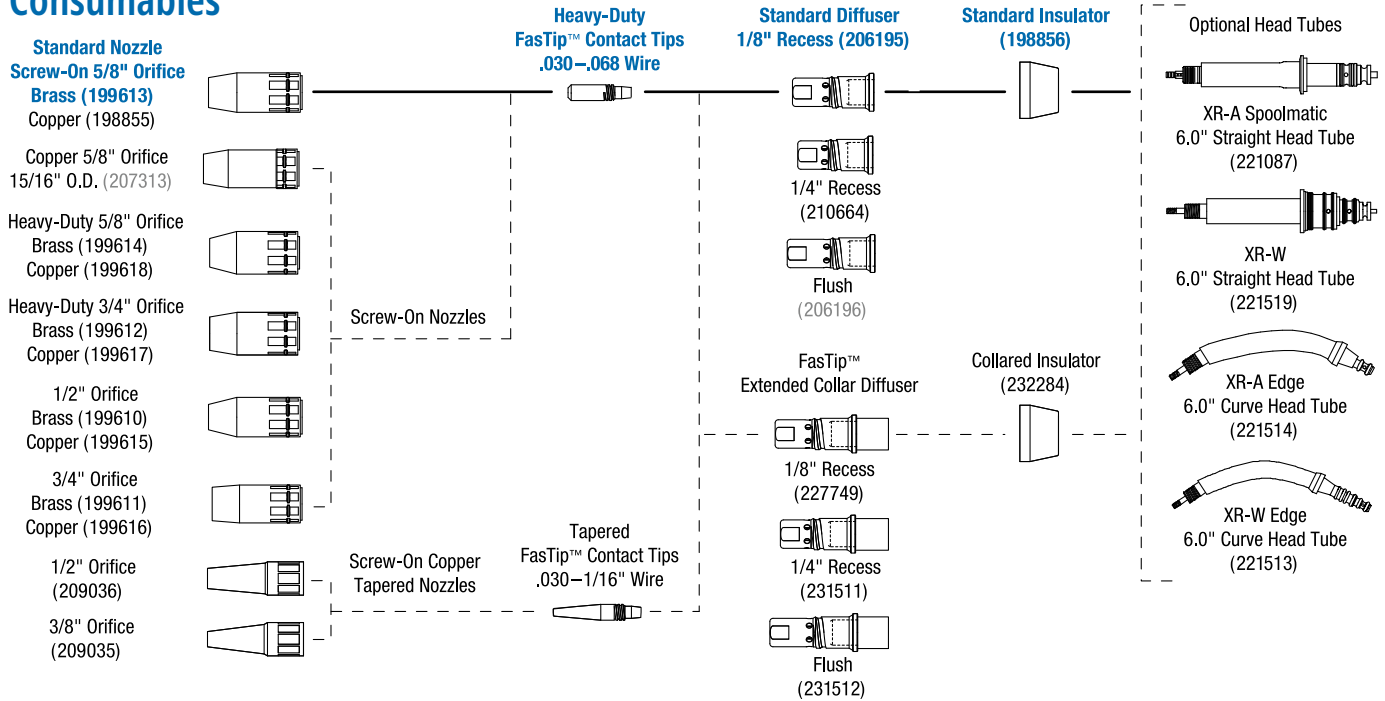
*New style XR effective with serial number LE033395.*

| Item # | Part # (Old Style) | Part # (New Style) | Description                                                 | Kit Quantity |
|--------|--------------------|--------------------|-------------------------------------------------------------|--------------|
|        | <b>147174</b>      | <b>300161</b>      | Kit, SXA Curved Nozzle 50 Degree, Machine Sales Item        |              |
| 1      | <b>005417</b>      | <b>005417</b>      | Nut, retaining ring                                         | 1            |
| 2      | <b>005432</b>      | <b>005432</b>      | Nozzle, curve with collar                                   | 2            |
| 3      | <b>148158</b>      | <b>148158</b>      | Insulator, nozzle                                           | 2            |
| 4      | <b>148155</b>      | <b>148155</b>      | Tip, cont sl .030 - .035 (0.8 - 0.9 mm) wire curved         | 2            |
|        | <b>148154</b>      | <b>148154</b>      | Tip, cont sl 3/64 (1.19 mm) wire curved                     | 2            |
|        | <b>148156</b>      | <b>148156</b>      | Tip, cont sl 1/16 (1.6 mm) wire curved                      | 2            |
| 5      | <b>136748</b>      | <b>136748</b>      | Nut, compression                                            | 1            |
| 6      | <b>185110</b>      | <b>185110</b>      | Adapter, quick-change contact tip                           | 1            |
| 7      | —                  | <b>193794</b>      | Kit, nozzle adapter                                         | 1            |
| 8      | <b>148151</b>      | <b>148151</b>      | Wrench (short length), nut retaining tip contact            | 1            |
|        | —                  | <b>222462</b>      | Kit, 50 degree head tube (air-cooled), Machine Sales Item   | 1            |
|        | —                  | <b>222464</b>      | Kit, 50 degree head tube (water-cooled), Machine Sales Item | 1            |



## New Style XR™-Edge and XR™/Spoolmatic® FasTip™ Consumables

*Note: Standard gun components are in blue type.*



## XR™-Edge

### Consumables

| Wire Diameter    | Standard Contact Tip I.D.      | Optional (Smaller) Contact Tip I.D. | Gun Head Tube Liners | Aluminum Feed Cable Liners    |
|------------------|--------------------------------|-------------------------------------|----------------------|-------------------------------|
| .030 in (0.8 mm) | .041 in (1.0 mm) <b>135428</b> | .036 in (0.9 mm) <b>135427</b>      | <b>193793</b>        | <b>191065</b> 30 ft (9 m)     |
| .035 in (0.9 mm) | .052 in (1.3 mm) <b>135430</b> | .041 in (1.0 mm) <b>147314</b>      | <b>193793</b>        | <b>191066</b> 50 ft (15.2 m)w |
| .040 in (1.0 mm) | .052 in (1.3 mm) <b>135430</b> | —                                   | <b>193793</b>        | <b>197440</b> 500 ft (152 m)  |
| .047 in (1.2 mm) | .061 in (1.5 mm) <b>135424</b> | .052 in (1.3 mm) <b>135429</b>      | <b>193792</b>        |                               |
| 1/2 in (13 mm)   |                                | orifice (2 per pkg)                 | <b>050115</b>        |                               |
| 13/16 in (21 mm) |                                | orifice (2 per pkg)                 | <b>050116</b>        |                               |

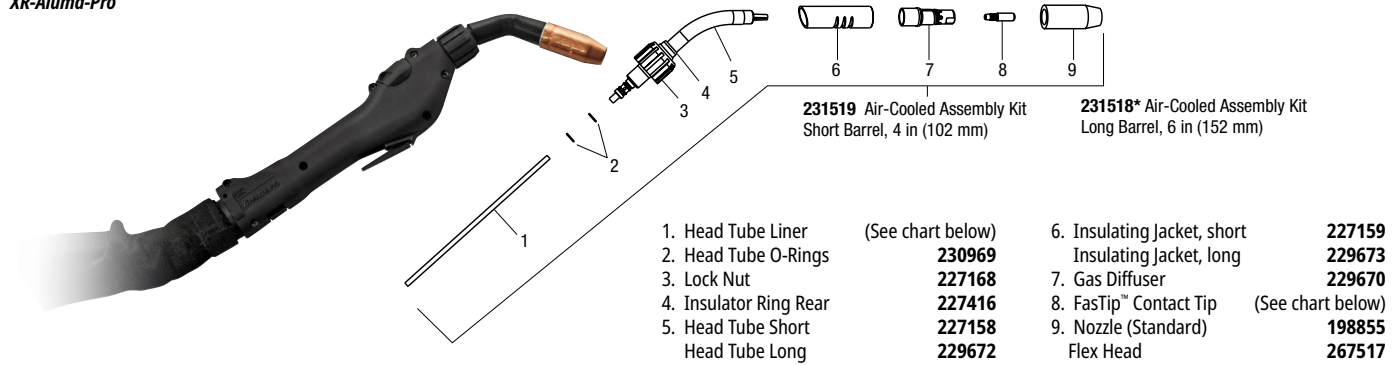
## XR™-Edge FasTip™ Consumables

| Wire Diameter Steel / Aluminum      | FasTip Contact Tip I.D.        | XR-Edge Drive Rolls       | Optional Isolated XR-Edge Drive Rolls | Cable Liners                   |
|-------------------------------------|--------------------------------|---------------------------|---------------------------------------|--------------------------------|
| .035 in (0.9 mm) / .030 in (0.8 mm) | .041 in (1.0 mm) <b>206186</b> | <b>194114</b>             | <b>198434</b>                         | <b>191065</b> 15 ft (4.6 m) or |
| .040 in (1.0 mm) / .035 in (0.9 mm) | .047 in (1.2 mm) <b>206187</b> | <b>194115</b>             | <b>198435</b>                         | 30 ft (9.1 m)                  |
| .045 in (1.2 mm) / —                | .053 in (1.3 mm) <b>206188</b> | <b>196302</b>             | <b>198436</b>                         | <b>191066</b> 50 ft (15.2 m)   |
| .052 in (1.3 mm) / .047 in (1.2 mm) | .061 in (1.5 mm) <b>206189</b> | <b>194116</b>             | <b>198437</b>                         | <b>197440</b> 500 ft (152 m)   |
| .062 in (1.6 mm) / —                | .071 in (1.8 mm) <b>206190</b> | <b>194117</b>             | <b>198438</b>                         |                                |
| 5/8 in (16 mm) orifice              |                                | <b>197728</b>             |                                       |                                |
| 13/16 in (21 mm) orifice            |                                | <b>050116<sup>1</sup></b> |                                       |                                |

| Contact Tips       |            |                                                             |
|--------------------|------------|-------------------------------------------------------------|
| (10 p/pkg)         | (25 p/pkg) | Description                                                 |
| Heavy-Duty FasTip™ |            |                                                             |
| 223016             | 206186     | .030/.035 in<br>(0.8/0.9 mm)<br>aluminum wire               |
| 223017             | 206187     | .035/.040 in<br>(0.9/1.0 mm)<br>aluminum wire               |
| 223018             | 206188     | .040/.045 in<br>(1.0/1.2 mm)<br>aluminum wire               |
| 223019             | 206189     | .052 in (1.3 mm)<br>or<br>3/64 in (1.2 mm)<br>aluminum wire |
| 223200             | 206190     | 1/16 in<br>(1.6 mm)                                         |
| —                  | 206191     | .068 in (1.7 mm)<br>or<br>1/16 in (1.6 mm)<br>aluminum wire |
| Tapered FasTip™    |            |                                                             |
| —                  | 209026     | .030/.035 in<br>(0.8/0.9 mm)<br>aluminum wire               |
| —                  | 209027     | .035/.045 in<br>(0.9/1.2 mm)<br>aluminum wire               |
| —                  | 209028     | 3/64 in (1.2 mm)                                            |
| —                  | 209029     | .052 in (1.3 mm)                                            |
| —                  | 209030     | 1/16 in (1.6 mm)                                            |

# SPOOL GUNS

XR-Aluma-Pro



- |                        |                   |                             |                   |
|------------------------|-------------------|-----------------------------|-------------------|
| 1. Head Tube Liner     | (See chart below) | 6. Insulating Jacket, short | <b>227159</b>     |
| 2. Head Tube O-Rings   | <b>230969</b>     | Insulating Jacket, long     | <b>229673</b>     |
| 3. Lock Nut            | <b>227168</b>     | 7. Gas Diffuser             | <b>229670</b>     |
| 4. Insulator Ring Rear | <b>227416</b>     | 8. Fastip™ Contact Tip      | (See chart below) |
| 5. Head Tube Short     | <b>227158</b>     | 9. Nozzle (Standard)        | <b>198855</b>     |
| Head Tube Long         | <b>229672</b>     | Flex Head                   | <b>267517</b>     |

*Note: For optional consumables see page 43.*

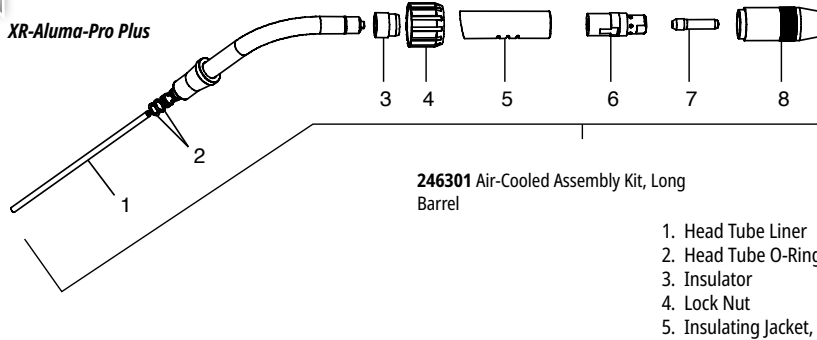
## XR™-Aluma-Pro™ Consumables

Air-cooled parts breakdown and gun shown.  
Consult owner's manual for water-cooled parts and consumables.

| Wire Diameter<br>Steel / Aluminum   | FasTip Contact Tip I.D.        | Drive Rolls   | Idler Rolls   | Inlet<br>Guides | Air-Cooled<br>Head Tube Liner<br>Short Barrel,<br>4 in (102 mm) | Air/Water Cooled<br>Head Tube Liner<br>Long Barrel,<br>6 in (152 mm) | Cable Liners                 |
|-------------------------------------|--------------------------------|---------------|---------------|-----------------|-----------------------------------------------------------------|----------------------------------------------------------------------|------------------------------|
| .035 in (0.9 mm) / .030 in (0.8 mm) | .041 in (1.0 mm) <b>206186</b> | <b>227434</b> | <b>227439</b> | <b>227408</b>   | <b>227161</b>                                                   | <b>229674</b>                                                        | <b>229887</b> 15 ft (4.6 m)  |
| .040 in (1.0 mm) / .035 in (0.9 mm) | .047 in (1.2 mm) <b>206187</b> | <b>227434</b> | <b>227439</b> | <b>227408</b>   | <b>227161</b>                                                   | <b>229674</b>                                                        | <b>229891</b> 25 ft (7.6 m)  |
| .045 in (1.2 mm) / –                | .053 in (1.3 mm) <b>206188</b> | <b>227434</b> | <b>227439</b> | <b>227408</b>   | <b>230239</b>                                                   | <b>229431</b>                                                        | <b>232321</b> 35 ft (10.6 m) |
| .052 in (1.3 mm) / .047 in (1.2 mm) | .061 in (1.5 mm) <b>206189</b> | <b>227434</b> | <b>227439</b> | <b>227408</b>   | <b>230239</b>                                                   | <b>229431</b>                                                        | <b>233999</b> Long*          |
| .062 in (1.6 mm) / –                | .071 in (1.8 mm) <b>206190</b> | <b>227434</b> | <b>230710</b> | <b>230711</b>   | <b>230239</b>                                                   | <b>229431</b>                                                        | <b>233998</b> Short*         |

\*Optional phos bronze liners.

XR-Aluma-Pro Plus



- |                            |               |                      |                   |
|----------------------------|---------------|----------------------|-------------------|
| 1. Head Tube Liner         | <b>230242</b> | 6. Diffuser          | <b>D-1AP</b>      |
| 2. Head Tube O-Ring        | <b>191191</b> | 7. Contact Tip       | (See chart below) |
| 3. Insulator               | <b>227416</b> | 8. Nozzle (Standard) | <b>N-5818C</b>    |
| 4. Lock Nut                | <b>227168</b> |                      |                   |
| 5. Insulating Jacket, Long | <b>229673</b> |                      |                   |

## XR™-Aluma-Pro Plus™ Consumables

Air-cooled parts breakdown and gun shown.  
Consult owner's manual for water-cooled parts and consumables.

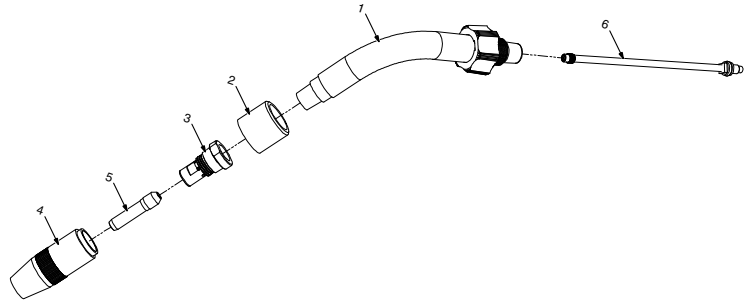
| Wire Diameter<br>Steel / Aluminum   | Contact Tips (10 pack)<br>Steel / Aluminum | Drive Rolls   | Idler Rolls   | Air/Water Cooled Head Tube<br>Liner Long Barrel, 6 in (152 mm) | Cable Liners                 |
|-------------------------------------|--------------------------------------------|---------------|---------------|----------------------------------------------------------------|------------------------------|
| .035 in (0.9 mm) / .030 in (0.8 mm) | T-035 / –                                  | <b>254756</b> | <b>230708</b> | <b>230235</b>                                                  | <b>229887</b> 15 ft (4.6 m)  |
| .040 in (1.0 mm) / .035 in (0.9 mm) | – / T-035AL                                | <b>254756</b> | <b>230708</b> | <b>230235</b>                                                  | <b>229891</b> 25 ft (7.6 m)  |
| .045 in (1.2 mm) / –                | T-045 / T-047AL                            | <b>254756</b> | <b>230708</b> | <b>230242</b>                                                  | <b>232321</b> 35 ft (10.6 m) |
| .052 in (1.3 mm) / .047 in (1.2 mm) | – / –                                      | <b>254756</b> | <b>230708</b> | <b>230242</b>                                                  | <b>233999</b> Long*          |
| .062 in (1.6 mm) / –                | T-062 / T-062AL                            | <b>254756</b> | <b>230708</b> | <b>230242</b>                                                  | <b>233998</b> Short*         |

Air-cooled parts breakdown and gun shown. Consult owner's manual for water-cooled parts and consumables.

\*Optional phos bronze liners.

**For parts and support on the XR Python please contact [MK Products at 949-863-1234](tel:949-863-1234)**

XR-Aluma-Pro Lite



## XR™-Aluma-Pro™ Lite Consumables

Air-cooled parts breakdown and gun shown.  
Consult owner's manual for water-cooled parts and consumables.

| Item # | Part #   | Description                                           | Quantity |
|--------|----------|-------------------------------------------------------|----------|
|        | 254477   | Head Tube Assembly, Aluma-Pro Lite (Including)        | 1        |
| 1      | QT2-45   | Tube, Body 45 Degree x 2.69 Lg                        | 1        |
|        | 1840057  | Clip-on Q-Nut Cover                                   | 1        |
|        | 1840031  | Body Tube Insulating Sleeve                           | 2        |
| 2      | 4323R    | Insulator, Nozzle (Small)                             | 1        |
| 3      | DS-1     | Diffuser, C-Fire (Small Nozzle)                       | 1        |
| 4      | NS-1218C | Nozzle, C-Fire Small Copper 1/2 in. Recess 1/8 in.    | 1        |
| 5      | T-047AL  | Centerfire™ Contact Tip, Aluminum 3/64 in.            | 1        |
| 5      | T-035AL  | Centerfire™ Contact Tip, Aluminum .035                | 1        |
| 6      | 258541   | Kit, Jump Liner Assembly .030-.035 (5 pk)             | 1        |
| 6      | 258542   | Kit, Jump Liner Assembly .047-.062 (5 pk)             | 1        |
| 6      | 258726   | Kit, Jump Liner Assembly .030-.035 14 in. Long (5 pk) | 1        |
| 6      | 258727   | Kit, Jump Liner Assembly .047-.062 14 in. Long (5 pk) | 1        |
|        | M1440    | Cable Liner for Gun                                   | 1        |
|        | 254756   | Drive Roll                                            | 1        |
|        | 227439   | Idler                                                 | 1        |

## Optional Head Tube Assemblies (for XR-Aluma-Pro guns) continued on page 46



45 Degree/4 Inch (Air-Cooled) **255037**



45 Degree/4 Inch (Water-Cooled) **255338**



45 Degree/6 Inch (Air-Cooled) **255040**



45 Degree/6 Inch Heavy-Duty (Water-Cooled) **258293**



45 Degree/6 Inch (Water-Cooled) **231517**



45 Degree/10 Inch Tight ACS (Air-Cooled) **258295**

## Optional Head Tube Assemblies (for XR-Aluma-Pro guns)



60 Degree/4 Inch (Air-Cooled)  
**231519**



60 Degree/4 Inch (Water-Cooled)  
**255038**



60 Degree/6 Inch (Air-Cooled)  
**231518**



60 Degree/6 Inch (Water-Cooled)  
**255041**



60 Degree/6 Inch Heavy-Duty  
(Water-Cooled) **258294**



180 Degree/4 Inch (Air-Cooled)  
**255716**



180 Degree/4 Inch (Water-Cooled)  
**255717**



180 Degree/6 Inch (Air-Cooled)  
**258476**



180 Degree/6 Inch (Water-Cooled)  
**258477**



180 Degree/8 Inch (Air-Cooled)  
**255042**



180 Degree/8 Inch (Water-Cooled)  
**255043**



45 Degree/6 Inch with Centerfire™  
(Water-Cooled) **246205**



60 Degree/6 Inch with Centerfire™  
(Air-Cooled) **246301**

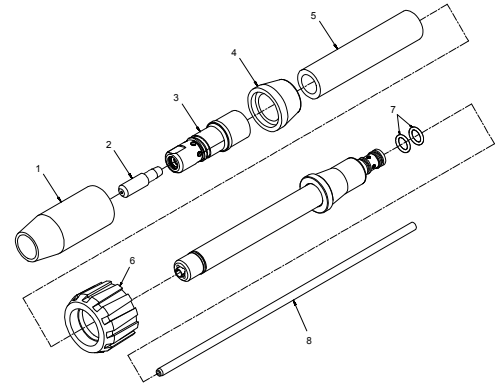


180 Degree/4 Inch with Centerfire™  
(Air-Cooled) **258474**



180 Degree/4 Inch with Centerfire™  
(Water-Cooled) **258475**

**XR-Pistol Pro**

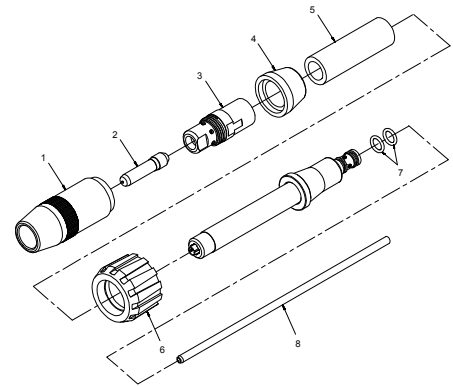


## XR™-Pistol Pro Consumables

Air-cooled parts breakdown and gun shown.  
Consult owner's manual for water-cooled parts and consumables.

| Item # | Part #        | Description                                          | Quantity |
|--------|---------------|------------------------------------------------------|----------|
|        | <b>255716</b> | Kit, Head Tube Assembly (Air) AP/PP 180 Degree 4 in. | 1        |
| 1      | <b>198855</b> | Nozzle, Copper 5/8 in.                               | 1        |
| 2      | <b>206189</b> | Tip, Fastip .312 Od .052 And 3/64 Al Wires           | 1        |
| 3      | <b>229670</b> | Diffuser, .281/.312 Od Collar Fastip 1/8 Rec Aluma   | 1        |
| 4      | <b>232284</b> | Insulator, Nozzle Collared                           | 1        |
| 5      | <b>M1366</b>  | Jacket Outer Insulating A/C Pistol Pro               | 1        |
| 6      | <b>227168</b> | Nut, Head Tube Rotation                              | 1        |
| 7      | <b>191191</b> | O-Ring, .312 Id x .070 Cs 70 Duro Buna-n             | 2        |
| 8      | <b>M1273</b>  | Liner, Teflon .047-.062 Wire Pistol Pro              | 1        |
|        | <b>230969</b> | Kit, Replacement O-Rings Head Tube Air               | 1        |

**XR-Pistol Pro Plus**



## XR™-Pistol Pro Plus Consumables

Air-cooled parts breakdown and gun shown.  
Consult owner's manual for water-cooled parts and consumables.

| Item # | Part #         | Description                                                         | Quantity |
|--------|----------------|---------------------------------------------------------------------|----------|
|        | <b>258474</b>  | Kit, Head Tube Assembly (Air) AP/PP 180 Degree 4 in. Lg Cntrfr      | 1        |
| 1      | <b>N-5818C</b> | Nozzle, C-Fire Large Copper 5/8 in. Recess 1/8 in.                  | 1        |
| 2      | <b>T-047AL</b> | Contact Tip, Centerfire™ .047 Aluminum                              | 1        |
| 3      | <b>D-1AP</b>   | Diffuser, Centerfire™-D-1AP                                         | 1        |
| 4      | <b>232284</b>  | Insulator, Nozzle Collared Diffuser (For 180 Degree/ Straight Only) | 1        |
| 5      | <b>M1190</b>   | Insulator, Outer 180 Degree/ Straight (Air)                         | 1        |
| 6      | <b>227168</b>  | Nut, Head Tube Rotation                                             | 1        |
|        | <b>230969</b>  | Kit, Replacement O-Rings Head Tube Air (Includes)                   | 1        |
| 7      | <b>191191</b>  | O-Ring, .312 Id x .070 Cs 70 Duro Buna-n                            | 2        |
| 8      | <b>M1442</b>   | Liner, Teflon .047-.062 Wire Soft Pro/Plus                          | 1        |



## Spectrum® Plasma Torch History

| Leather Torch Cable Covers |        |
|----------------------------|--------|
| Description                | Part # |
| 20 ft Cable Cover          | 239642 |
| 25 ft Cable Cover          | 231867 |
| 50 ft Cable Cover          | 231868 |

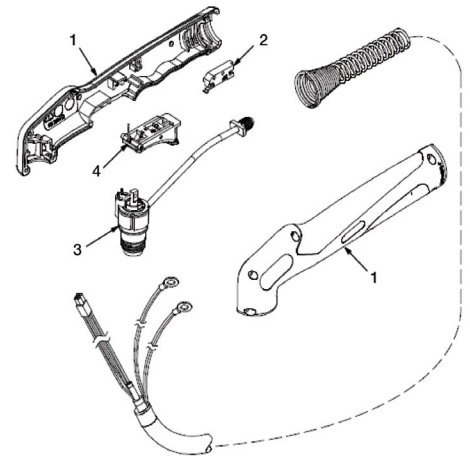
| Model                   | Machine Stock #                                | Machine Kill Date | Original Torch        | Recommended Replacement                                                                                                  |
|-------------------------|------------------------------------------------|-------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------|
| Spectrum® 125C          | 907149, 907169                                 | July 2006         | ICE-12C, pg 50        | ICE-12C, 20 ft ( 6.1 m) Hand-Held 195172, pg 50                                                                          |
| Spectrum® 300           | 903479, 903787                                 | N/A               | ICE-25C, pg 50        | ICE-25CX, 20 ft (6.1 m) Hand-Held 195007, pg 50                                                                          |
| Spectrum® 375           | 903891, 903871 CE                              | January 2013      | ICE-27C, pg 50        | XT30C, 20 ft (6.1 m) Hand-Held 255685, pg 50                                                                             |
|                         | 907532                                         |                   | XT-30C, pg 47         | XT30C, 20 ft (6.1 m) Hand-Held 255685, pg 47                                                                             |
| Spectrum® 375 X-TREME™  | 907339, 907303                                 | June 2014         | ICE-27T, pg 50        | XT30, 12 ft (3.7 m) Hand-Held 249949, pg 50                                                                              |
|                         | 907529                                         |                   | XT30, pg 47           | XT30, 12 ft (3.7 m) Hand-Held 249949, pg 47                                                                              |
| Spectrum® 500           | 903143, 903144, 903145, 903146, 903187, 903201 | May 2014          | APT-5000              | ICE-50, 30 ft (9 m) Hand-Held 169199 <sup>1</sup> / 50 ft (15.2 m) Hand-Held 169244 <sup>1</sup> ,                       |
| Spectrum® 625           | 907058, 907058011                              | October 2013      | ICE-40C, pg 48        | ICE-40C, 25 ft (7.6 m) Hand-Held 195110 / 50 ft (15.2 m) Hand-Held 195111                                                |
| Spectrum® 625 X-TREME™  | 907404, 907404011, 9074041012                  | October 2013      | ICE-40T, pg 48        | XT-40, 12 ft (3.7 m) Hand-Held 249951 / 20 ft (6.1 m) Hand-Held 249952, pg 48                                            |
|                         | 907531, 907531001                              |                   | XT40, pg 48           | XT40, 12 ft (3.7 m) Hand-Held 249951 / 20 ft (6.1 m) Hand-Held 249952, pg 48                                             |
| Spectrum® 625 X-TREME™  | 907579, 907579001                              | October 2013      | XT40 w/Connect, pg 48 | XT40, 12 ft (3.7 m) Hand-Held W/ Disconnect 260633 / 20 ft (6.1 m) Hand-Held W/ Disconnect 260635, pg 48                 |
|                         | 907579002, 90757903                            | October 2019      |                       | XT40M Machine Long Body 25 ft (7.6 m) 259305 / Short Body 25 ft (7.6 m) 257462, pg 48                                    |
| Spectrum® 650           | 903788, 903790                                 | N/A               | ICE-50C, pg 52        | ICE-50C, 25 ft (7.6 m) Hand-Held 176824 / 50 ft (15.2 m) Hand-Held 176826                                                |
| Spectrum® 700           | 903444, 903445, 903446, 903447                 | November 2015     | ICE-50, pg 52         | ICE-50, 30 ft (9 m) Hand-Held 169199 / 50 ft (15.2 m) Hand-Held 169244,                                                  |
| Spectrum® 701           | 950468, 950471, 950469, 950472                 | N/A               | ICE-50C, pg 52        | ICE-50C, 25 ft (7.6 m) Hand-Held 176824 / 50 ft (15.2 m) Hand-Held 176826 , pg 52                                        |
|                         | 950470, 950473                                 |                   |                       | ICE-50CM, 50 ft (15.2 m) Machine-Held 176828 <b>Note: ICE-55C Not Recommended.</b>                                       |
| Spectrum® 750           | 903193, 903194, 903195                         | February 2011     | APT-7000              | ICE-70, 30 ft (9 m) Hand-Held 169203 <sup>2</sup> / 50 ft (15.2 m) Hand-Held 169245 <sup>2</sup>                         |
| Spectrum® 875           | 907390011, 907390012                           | October 2013      | ICE-60T, pg 54        | ICE-60T, 20 ft (7.6 m) Hand-Held 234132 / 50 ft (15.2 m) Hand-Held 234134, pg 54                                         |
|                         |                                                |                   |                       | XT60, 20 ft Hand-Held Torch 249953 / 50 ft Hand-Held Torch 249954, pg 54                                                 |
| Spectrum® 875           | 249955                                         | October 2013      | XT60, pg 58           | XT60M 25 ft. (7.6 m) Machine Torch Long Body 249955 / 50 ft (15.2 m) , pg 58                                             |
|                         | 249956                                         | October 2013      | XT60, pg 58           | Machine Torch Long Body 249956, pg 58                                                                                    |
|                         | 907583, 907583001                              | December 2017     | XT60, pg 58           | XT60 20 ft (7.6 m) Hand-Held 249953 / 50 ft (15.2 m) Hand-Held 249954, pg 58                                             |
|                         | 907583002, 907583003                           |                   |                       | XT60M 25 ft (7.6 m) Machine Torch Long Body 249955 / 50 ft (15.2 m) Machine Torch Long Body 249956, pg 58                |
| Spectrum® 875 Auto-Line | 907396, 907396001                              | October 2017      |                       | XT60M, 20 ft (7.6 m) Hand-Held 249953 / 50 ft (15.2 m) Hand-Held 249954, pg 58                                           |
|                         | 907396002, 907396003                           |                   |                       | ICE-60TM, 25 ft (7.6 m) Machine-Held Torch with Pendant 300759 / Kit, ICE-60TM, Machine Torch 50 ft 300760               |
| Spectrum® 875 Auto-Line | 907584, 907584001                              | December 2017     |                       | XT60, 20 ft (7.6 m) Hand-Held 249953 / 50 ft (15.2 m) Hand-Held 249954, pg 58                                            |
|                         | 907584002, 907584003                           |                   |                       | XT60M, 25 ft (7.6 m) Machine Torch Long Body 249955 / Short Body 257464, pg 58                                           |
|                         | 907584004, 907584005                           |                   |                       | XT60M, 50 ft (15.2 m) Machine Torch Short Body 263952 / Long Body 249956, pg 58                                          |
| Spectrum® 1000          | 903448, 903449, 903448011                      | November 2009     | ICE-70                | ICE-70, 30 ft (9 m) Hand-Held 169203 / 50 ft (15.2 m) Hand-Held 169245                                                   |
|                         | 907162                                         |                   |                       | ICE-80T, 25 ft (7.6 m) Hand-Held 195223 / 50 ft (15.2 m) Hand-Held 195225, pg 55                                         |
| Spectrum® 1250          | 903450, 903451, 903452                         | December 2005     | ICE-100, pg 57        | ICE-100, 30 ft (9 m) Hand-Held 169207 / 50 ft (15.2 m) Hand-Held 169246, pg 57                                           |
| Spectrum® 1251          | 907305011, 907305012                           | November 2009     | ICE-100T, pg 57       | ICE-100T, 25 ft (7.6 m) Hand-Held 225702 / 50 ft (15.2 m) Hand-Held 225704, pg 57                                        |
|                         | 907305013, 907305014                           |                   |                       | ICE-100TM, 25 ft (7.6 m) Machine-Held 225706 <sup>4</sup> / w/Pendant, 25 ft (7.6 m) Machine-Held 226057, pg 57          |
| Spectrum® 1500          | 903147, 903148, 903186, 903149                 | N/A               | APT-8000              | ICE-70, 30 ft (9 m) Hand-Held 169203 <sup>5</sup> / 50 ft (15.2 m) Hand-Held 169245 <sup>5</sup>                         |
| Spectrum® 1500D         | 907305                                         | N/A               | APT-8000              | ICE-70, 30 ft (9 m) Hand-Held 169203 / 50 ft (15.2 m) Hand-Held 169245                                                   |
| Spectrum® 2050          | 903789                                         | November 2008     | ICE-50C, pg 53        | ICE-50C, 25 ft (7.6 m) Hand-Held 176824 / 50 ft (15.2 m) Hand-Held 176826, pg 53                                         |
| Spectrum® 2050          | 903777012, 903777013                           | October 2010      | ICE-55C, pg 53        | ICE-55C, 25 ft (7.6 m) Hand-Held 193347 / 50 ft (15.2 m) Hand-Held 193348, pg 53                                         |
|                         | 903777022                                      |                   |                       | ICE-55CM, 50 ft (15.2 m) Machine-Held 193349, pg 53, No Pendant                                                          |
| Spectrum® 2255          | 903755                                         | January 2005      |                       | ICE-80CX, 25 ft (7.6 m) Hand-Held 216300, pg 55                                                                          |
| Spectrum® 3080          | 903793012, 903795011, 903793013, 903795012     | December 2004     | ICE-80C, pg 55        | ICE-80CX, 25 ft (7.6 m) Hand-Held 216300 / 50 ft (15.2 m) Hand-Held 218044, pg 55                                        |
|                         | 903793021, 903795021                           |                   |                       | ICE-80CXM, 50 ft (15.2 m) Machine-Held 219944                                                                            |
| Spectrum® LYNX          | 903552, 950611                                 | December 2001     | ICE-50C, pg 52        | ICE-50C, 25 ft (7.6 m) Hand-Held 176824 / 50 ft (15.2 m) Hand-Held 176826, pg 52<br><b>Note: ICE-55C Not Recommended</b> |
| Spectrum® Thunder       | 903741, 903742                                 | December 2001     | ICE-12C , pg 50       | ICE-12C, 20 ft ( 6.1 m) Hand-Held (kit) 216407, pg 52                                                                    |

Please order replacement torches through Miller Service Parts.  
Telephone: 1-866-931-9730 Fax: 1-800-637-2315



## XT30, XT30C & XT30R Service Parts/Consumables

| Item # | Part # | Description                                | Quantity |
|--------|--------|--------------------------------------------|----------|
|        | 249949 | XT30, 12 ft Hand-Held Torch (replacement)  | 1        |
|        | 255685 | XT30C, 20 ft Hand-Held Torch (replacement) | 1        |
|        | 268920 | XT30R, 12 ft Hand-Held Torch (replacement) |          |
| 1      | 268929 | Torch Handle Kit                           | 1        |
| 1      | 259870 | Torch Handle Kit                           |          |
| 2      | 249971 | Torch Trigger                              | 1        |
| 3      | N/A    | Leads XT30R, no replacement leads          |          |
| 3      | 249957 | Leads, XT30 12ft                           |          |
| 3      | 255686 | Leads, XT30C 20 ft Hand Held Torch         |          |
| 4      | 252938 | Torch Body w/Cup Switch for XT30R          | 1        |
| 4      | 252238 | Torch Body w/Cup Switch for XT30 and XT30C |          |
| 5      | 249972 | Torch Trigger Assembly w/Spring            | 1        |
|        | 249973 | Cup Detect Switch w/Screws                 |          |

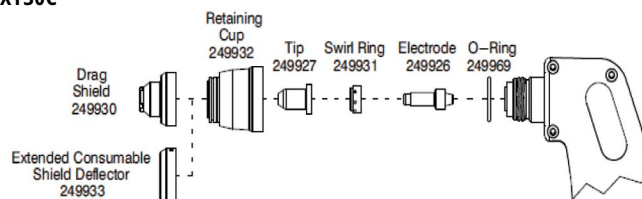


**XT30, XT30C & XT30R Torch**

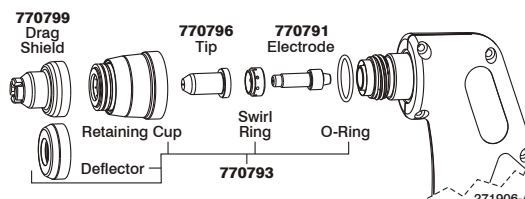
| Consumables for XT30 and XT30C |        |                      |   |
|--------------------------------|--------|----------------------|---|
|                                | 249930 | Drag Shield          | 1 |
|                                | 249933 | Shield Deflector     | 1 |
|                                | 249932 | Retaining Cup        | 1 |
|                                | 249927 | Tip                  | 3 |
|                                | 249931 | Swirl Ring           | 1 |
|                                | 249926 | Electrode            | 3 |
|                                | 249969 | O-Ring               | 3 |
|                                | 253054 | Stand-Off Guide      |   |
|                                | 253520 | Consumables Kit XT30 |   |

*XT30 & XT30C Consumables Kit Includes - v(1) O-ring 249969, (5) Electrode 249926, (5) Tip 249927, (1) Swirl Ring 249931, (1) Retaining Cup 249932, (1) Silicone Grease 252951, (1) Plastic Box 127493*

### Consumables for XT30 & XT30C



### Consumables for XT30R



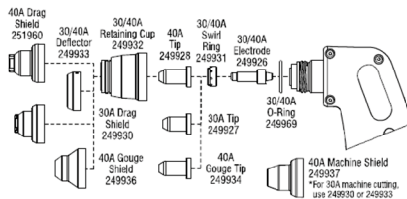
# PLASMA CUTTING

## XT40, XT40R & XT40M Service Parts/Consumables

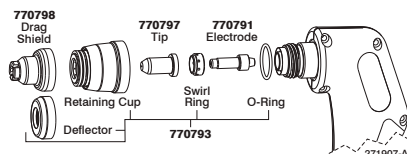
| Item # | Part # | Description                                        | Quantity |
|--------|--------|----------------------------------------------------|----------|
|        | 249951 | XT40, 12 ft Hand Held Torch                        |          |
|        | 249952 | XT40, 20 ft Hand-Held Torch                        |          |
|        | 260633 | XT40, 12 ft Hand-Held Torch w/Disconnect           |          |
|        | 260635 | XT40, 20 ft Hand-Held Torch w/Disconnect           |          |
|        | 268923 | XT40R, 12 ft Hand-Held Torch (Replacement)         |          |
| 1      | 259870 | Torch Handle Kit w/Screws                          | 1        |
| 2      | 249971 | Torch Trigger (Microswitch)                        | 1        |
| 3      | 249959 | Leads, XT40 12 ft Hand-Held Torch                  | 1        |
| 3      | 249960 | Leads, XT40 20 ft Hand-Held Torch                  | 1        |
| 3      | 260637 | Leads, XT40 12 ft Hand-Held Torch w/Disconnect     | 1        |
| 3      | 260638 | Leads, XT40 20 ft Hand-Held Torch w/Disconnect     | 1        |
| 3      | N/A    | XT40R, No Replacement Leads                        |          |
| 4      | 252938 | Torch Body Kit for XT40 and XT40R                  | 1        |
| 4      | 252238 | Torch Body Kit for XT40                            |          |
| 5      | 249972 | Torch Trigger Assembly w/Spring                    | 1        |
| 6      | 249973 | Cup Detect Switch w/Screws                         |          |
|        | 259305 | XT40M, 25 ft Long Body Machine Torch w/Disconnect  |          |
|        | 257462 | XT40M, 25 ft Short Body Machine Torch w/Disconnect |          |
| 1      | 259363 | Mounting Screw for Machine Torch Body              | 3        |
| 2      | 259361 | Mounting Sleeve for Machine Torch                  | 1        |
| 3      | 259333 | Kit, Torch Body w/Switch                           | 1        |
| 4      | 263389 | Positioning Sleeve Short Body                      | 1        |
| 5      | 259357 | Positioning Sleeve Long Body                       | 1        |
| 6      | 259359 | Stain Relief                                       | 1        |
| 7      | 259330 | Leads, XT40M 25 ft Machine Torch                   | 1        |
|        | 253521 | Consumables Kit XT40 <sup>1</sup>                  |          |

<sup>1</sup>Consumables Kit XT40 253521 includes (5) Electrode 249926, (5) Tips 40 A 249928, (3) Tips 30A 249927, (1) o-ring 249969, (1) Swirl ring 249931, (1) Retaining Cup 249932, (1) Gouge Tip 249936, (1) Gouge Shield 249936, (2) Drag Shield 30A 249930, (1) Drag Shield 40A 251960, (1) Deflector Shield 249933, (1) Silicone Grease 252951, (1) Plastic Box 127493

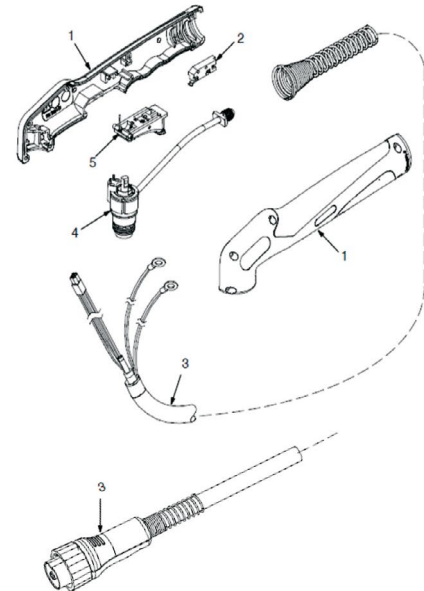
### Consumables for XT40



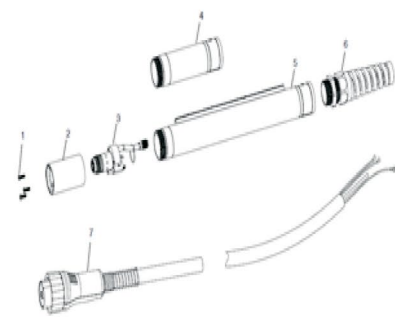
### Consumables for XT40R



### XT40 & XT40 with Disconnect



### XT40TM Torch Long & Short



### 263310 Shield Sense



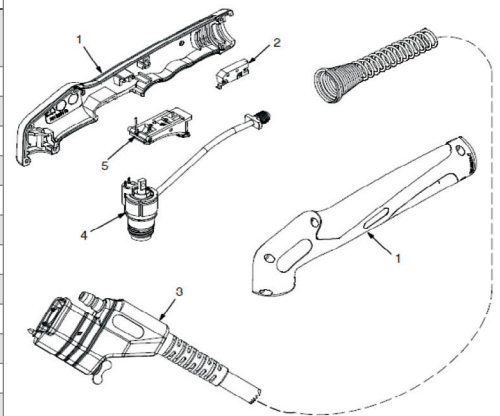
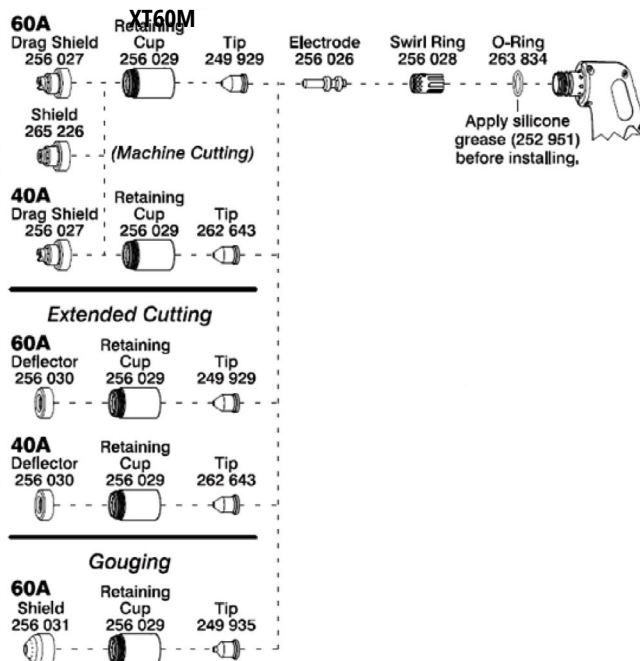


## XT60 & XT60M Service Parts/Consumables

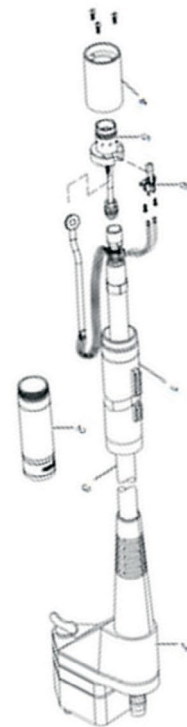
| Item # | Part # | Description                                   | Quantity |
|--------|--------|-----------------------------------------------|----------|
|        | 249953 | XT60, 20 ft Hand Held Replacement Torch       |          |
|        | 249954 | XT60, 50 ft Hand Held Replacement Torch       |          |
| 1      | 263950 | Torch Handle Kit w/Screws                     | 1        |
| 2      | 249971 | Torch Trigger (Microswitch)                   | 1        |
| 3      | 249961 | Leads, XT60 20 ft Hand-Held Replacement Torch | 1        |
| 3      | 249962 | Leads, XT60 50 ft Hand-Held Replacement Torch | 1        |
| 4      | 256039 | Torch Body Kit w/Switch                       | 1        |
| 5      | 249972 | Torch Trigger Assembly w/Spring               | 1        |
| 6      | 249973 | Cup Detect Switch w/Screws                    | 1        |
|        |        | <b>XT60M Machine Torches</b>                  |          |
|        | 249955 | XT60M, 25 ft Long Body Machine Torch          |          |
|        | 249956 | XT60M, 50 ft Long Body Machine Torch          |          |
|        | 257464 | XT60M, 25 ft Short Body Machine Torch         |          |
|        | 263952 | XT60M, 50 ft Short Body Machine Torch         |          |
| 1      | 259357 | Long Body Positioning Sleeve                  | 1        |
| 2      | 263389 | Short Body Positioning Sleeve                 | 1        |
| 3      | 249963 | XT60M Lead, w/QD 25 ft                        | 1        |
| 3      | 249964 | XT60M Lead, w/QD 50 ft                        | 1        |
| 4      | 259361 | Torch Sleeve                                  | 1        |
| 5      | 256040 | Main Body w/Switch                            | 1        |
| 6      | 259334 | Cup Detect Switch                             | 1        |
| 7      | 243754 | Kit, XT60M QD w/Wing Head Fastener            | 1        |
|        | 252951 | Grease, silicone                              | 1        |
|        | 256033 | Consumable Kit, XT60 <sup>1</sup>             |          |
|        | 253054 | Stand-off Roller Guide                        | 1        |
|        | 253055 | Circle Cutting Guide                          | 1        |

<sup>1</sup>XT60 Consumable kit Includes, (3) Electrodes 256026, (3) Tip XT60 249929, (1) Drag Shield 256027, (1) Swirl Ring 256028, (1) Retaining Cup 256029, (1) Deflector Shield 256030, (1) Gouge Tip 2499935, (1) O-ring 263834, (1) Grease, Silicone 252951, (1) Plastic Box 127493

### Consumables for XT60 & XT60M



**XT60 Torch**



**XT60M Torch**



**263310 Shield Sense**

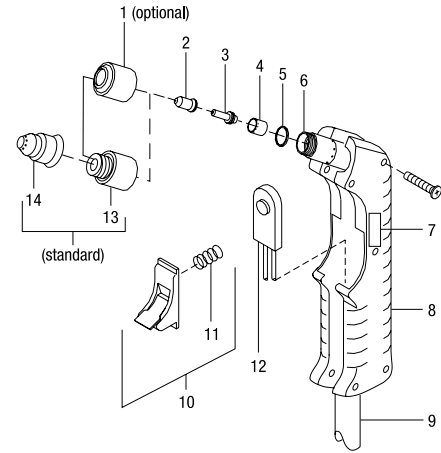
# PLASMA CUTTING

## ICE-12C Service Parts/Consumables

| Item #             | Part #              | Description                             | Quantity      |
|--------------------|---------------------|-----------------------------------------|---------------|
|                    | 216407              | ICE-12C Replacement Torch w/Brass Elbow | 1             |
|                    | 195172              | ICE-12C, 20 ft Torch                    | 1             |
| <b>Consumables</b> |                     |                                         |               |
| 1                  | 196928              | Cup, Shield (optional)                  | 1             |
| 2                  | 196926              | Tip, 12 A                               | 1 (5 per pkg) |
| 3                  | 196925              | Electrode, 12 A                         | 1 (5 per pkg) |
| 4                  | 196927              | Swirl Ring, 12 A                        | 1             |
| 5                  | 196935              | O-Ring, ICE-12C main body               | 1 (3 per pkg) |
| 6                  | 196932              | Main Body w/Switch                      | 1             |
| 7                  | 196930              | Label, ICE-12C                          | 2             |
| 8                  | 183427              | Handle Assembly, complete               | 1             |
| 9                  | 196931 <sup>1</sup> | Leads, 20 ft                            | 1             |
| 10                 | 185833              | Switch Assembly (includes spring)       | 1             |
| 11                 | 190220              | Spring                                  | 1             |
| 12                 | 171248              | Push Button Switch                      | 1             |
| 13                 | 197567              | Cup, Retaining (drag shield)            | 1             |
| 14                 | 196929              | Shield, Drag                            | 1             |
|                    | 252951              | Grease, Silicon                         | 1             |
|                    | 222938 <sup>2</sup> | Consumable Kit (ICE-12C)                | 1             |
|                    | 253054              | Stand-off Guide                         | 1             |
|                    | 253055              | Circle Cutting Guide                    | 1             |

<sup>1</sup>If used with Spectrum Thunder, 216277 fitting required.

<sup>2</sup>ICE-12C Consumable Kit includes (1) drag shield 196929 (1) plastic case 127493, (1) shield cup 197567, (4) tips 196926, (4) electrodes 196925, (1) o-ring 196935, and (1) silicone grease 252951.

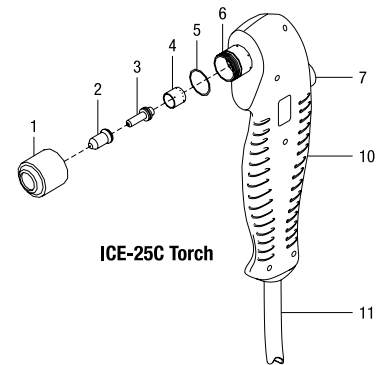


ICE-12C Torch

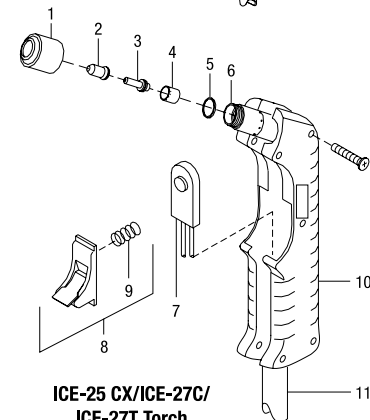
## ICE-25C & 25CX/27C/27T

| Item # | Part # ICE-25C | Part # ICE-25 CX/27C/27T | Description                                 | Quantity      |
|--------|----------------|--------------------------|---------------------------------------------|---------------|
|        | —              | 195007                   | ICE-25CX, 20 ft Hand Held Replacement Torch |               |
|        | —              | 195014                   | ICE-27C, 20 ft Hand Held Replacement Torch  |               |
|        | —              | 225615 249949            | ICE-27T, 12 ft Hand Held Replacement Torch  |               |
| 1      | 202808         | 202808                   | Cup, shield                                 | 1             |
| 2      | 176656         | 176656                   | Tip, 25/27 A (Non-Shielded)                 | 1 (5 per pkg) |
| 3      | 176655         | 176655                   | Electrode, 25/27 A                          | 1 (5 per pkg) |
| 4      | 202809         | 202809                   | Swirl Ring, 25/27 A                         | 1             |
| 5      | 169232         | 169232                   | O-Ring (main body)                          | 1 (3 per pkg) |
| 6      | 178550         | —                        | Main Body, ICE 25C                          | 1             |
|        | —              | 203119                   | Main Body (ICE-27C/27T only)                | 1             |
| 7      | 171248         | 171248                   | Push Button Switch                          | 1             |
| 8      | —              | 185833                   | Switch Assembly (includes spring)           | 1             |
| 9      | —              | 190220                   | Spring                                      | 1             |
| 10     | 183428         | 183427                   | Handle Assembly, complete                   | 1             |
| 11     | —              | 228405                   | Leads, 12 ft (ICE-27T)                      | 1             |
|        | 177893         | —                        | Leads, 15 ft (ICE-25C)                      | 1             |
|        | 177894         | —                        | Leads, 25 ft (ICE-25C)                      | 1             |
|        | —              | 205881                   | Leads, 20 ft (ICE-25 CX)                    | 1             |
|        | —              | 203120                   | Leads, 20 ft (ICE-27C)                      | 1             |
|        | 225671         | 225671                   | Tip, drag shield                            | 1 (5 per pkg) |
|        | 225672         | 225672                   | Retaining Cup, drag shield                  | 1             |
|        | 225616         | 225616                   | Drag Shield                                 | 1             |
|        | 252951         | 252951                   | Grease, Silicon                             | 1             |
|        | —              | 222939 <sup>3</sup>      | Consumable Kit (ICE-27C/27T)                | 1             |
|        | 253054         | 253054                   | Stand-off Guide                             | 1             |
|        | 253055         | 253055                   | Circle Cutting Guide                        | 1             |

<sup>3</sup>ICE-27C Consumable Kit includes (1) plastic case 127493, (1) shield cups 202808, (5) tips 176656, (5) electrodes 176655, (1) swirl ring 202809, (1) o-ring 169232, and (1) silicone grease 252951.



ICE-25C Torch



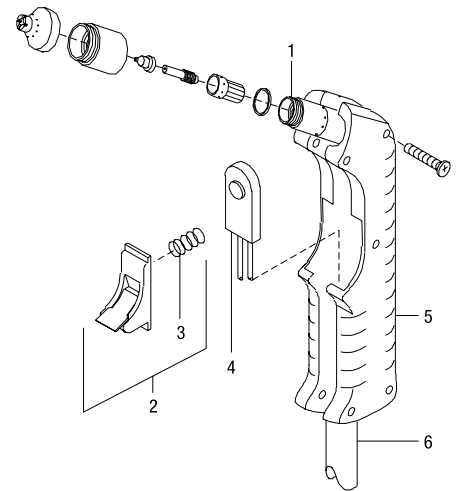
ICE-25 CX/ICE-27C/  
ICE-27T Torch



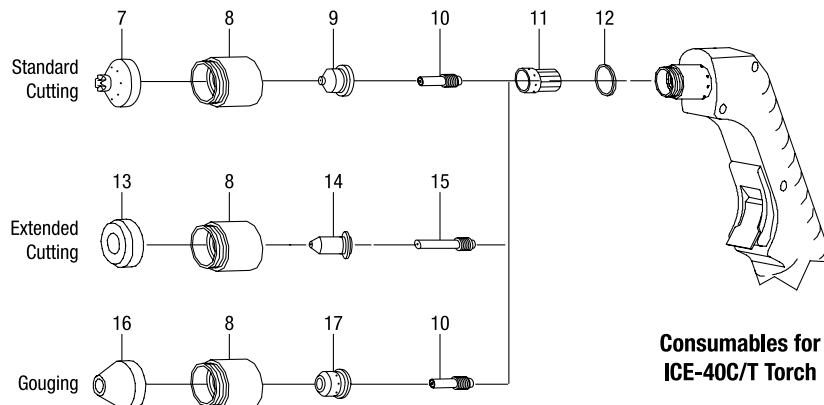


## ICE-40C/T Service Parts/Consumables

| Item #             | Part #<br>ICE-40C | Part #<br>ICE-40T | Description                                | Quantity      |
|--------------------|-------------------|-------------------|--------------------------------------------|---------------|
|                    | 195110            | —                 | ICE-40C, 25 ft Hand Held Replacement Torch | 1             |
|                    | 195111            | —                 | ICE-40C, 50 ft Hand Held Replacement Torch | 1             |
|                    | —                 | 237502            | ICE-40T, 12 ft Hand Held Replacement Torch | 1             |
|                    | —                 | 237504            | ICE-40T, 20 ft Hand Held Replacement Torch | 1             |
| 1                  | 192059            | 192059            | Main Body                                  | 1             |
| 2                  | 185833            | 185833            | Switch Assembly (includes switch)          | 1             |
| 3                  | 190220            | 190220            | Spring                                     | 1             |
| 4                  | 171248            | 171248            | Push Button Switch                         | 1             |
| 5                  | 183427            | 183427            | Handle Assembly, complete                  | 1             |
| 6                  | 209298            | 238558            | Leads, 25 ft/ Leads, 12ft                  | 1             |
|                    | 209299            | 238559            | Leads, 50 ft                               | 1             |
|                    | 252951            | 252951            | Grease, Silicon                            | 1             |
| <b>Consumables</b> |                   |                   |                                            |               |
| 7                  | 204323            | 204323            | Shield, drag                               | 1             |
| 8                  | 192050            | 192050            | Cup, retaining                             | 1             |
| 9                  | 204325            | 204325            | Tip, standard (40 A)                       | 1 (5 per pkg) |
| 10                 | 192047            | 192047            | Electrode, standard                        | 1 (5 per pkg) |
| 11                 | 192049            | 192049            | Swirl Ring                                 | 1             |
| 12                 | 169232            | 169232            | O-Ring                                     | 1 (3 per pkg) |
| 13                 | 177888            | 177888            | Deflector                                  | 1             |
| 14                 | 192052            | 192052            | Tip, extended (40 A)                       | 1 (5 per pkg) |
| 15                 | 192048            | 192048            | Electrode, extended                        | 1 (5 per pkg) |
| 16                 | 192203            | 192203            | Shield, gouge                              | 1             |
| 17                 | 204332            | 204332            | Tip, gouge                                 | 1 (5 per pkg) |
|                    | 2229401           | 2229401           | Consumable Kit (ICE-40C)                   | 1             |
|                    | 253054            | 253054            | Stand-off Guide                            | 1             |
|                    | 253055            | 253055            | Circle Cutting Guide                       | 1             |



ICE-40C/T Torch

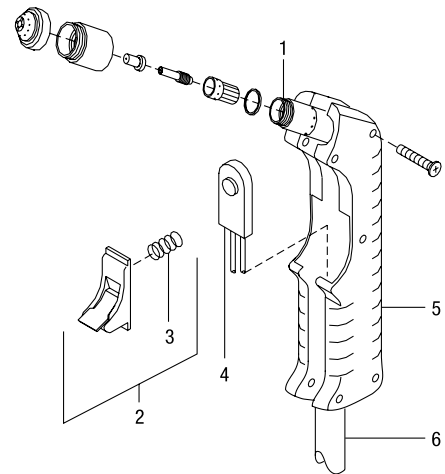


Consumables for  
ICE-40C/T Torch

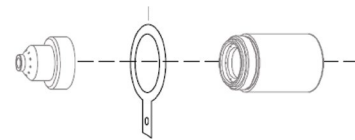
## ICE-50C & 50CM Service Parts/Consumables

| Item #                           | Part #              | Description                                | Quantity      |
|----------------------------------|---------------------|--------------------------------------------|---------------|
|                                  | 176824              | ICE-50C, 25 ft Hand Held Replacement Torch | 1             |
|                                  | 176826              | ICE-50C, 50 ft Hand Held Replacement Torch | 1             |
|                                  | 176828              | Torch, 50 ft (ICE-50CM) N/A                |               |
| <b>ICE-50C Torch (Hand-Held)</b> |                     |                                            |               |
| 1                                | 188794              | Main Body                                  | 1             |
| 2                                | 185833              | Switch Assembly (includes)                 | 1             |
| 3                                | 190220              | Spring                                     | 1             |
| 4                                | 171248              | Push Button Switch                         | 1             |
| 5                                | 183427              | Handle Assembly, complete                  | 1             |
| 6                                | 179829              | Leads, 25 ft                               | 1             |
|                                  | 179830              | Leads, 50 ft                               | 1             |
|                                  | 252951              | Grease, Silicon                            | 1             |
| <b>Consumables</b>               |                     |                                            |               |
| 7                                | 192053              | Shield, drag                               | 1             |
| 8                                | 192050              | Cup, retaining                             | 1             |
| 9                                | 177890              | Tip, standard                              | 1 (5 per pkg) |
|                                  | 192051 <sup>1</sup> | Tip, standard (ICE-55C)                    | 1 (5 per pkg) |
| 10                               | 192047              | Electrode, standard                        | 1 (5 per pkg) |
| 11                               | 177886              | Swirl Ring                                 | 1             |
|                                  | 192049 <sup>1</sup> | Swirl Ring (ICE-55C)                       | 1             |
| 12                               | 169232              | O-Ring                                     | 1 (3 per pkg) |
| 13                               | 192058              | Shield, machine                            | 1             |
| 14                               | 177888              | Deflector                                  | 1             |
| 15                               | 177876              | Tip, extended                              | 1 (5 per pkg) |
|                                  | 192056 <sup>1</sup> | Tip, extended tapered 55 A (ICE-55C)       | 1 (5 per pkg) |
|                                  | 192052 <sup>1</sup> | Tip, extended tapered 40 A (ICE-55C)       | 1 (5 per pkg) |
|                                  | 189407              | Tip, extended (flat)                       | 1 (5 per pkg) |
| 16                               | 192048              | Electrode, extended                        | 1 (5 per pkg) |
| 17                               | 192203              | Shield, gouge                              | 1             |
| 18                               | 177878              | Tip, gouge                                 | 1             |
|                                  | 1922041             | Tip, gouge (ICE-55C)                       | 1 (5 per pkg) |
| 19                               | 226763              | Sense Tab                                  | 1             |
|                                  | 253055              | Circle Cutting Guide                       | 1             |

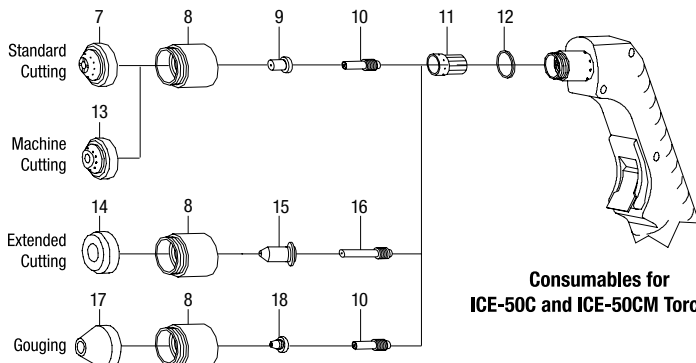
<sup>1</sup>Spectrum 2050 Enhancement — For improved cutting performance and increased consumable life, Spectrum 2050 users are encouraged to update their existing ICE-50C Cutting Tips and Swirl Ring with the ICE-55C components. (The ICE-55C Tips must be used in conjunction with the ICE-55C Swirl Ring.)



**ICE-50C Torch**



**226763  
Sense Tab**

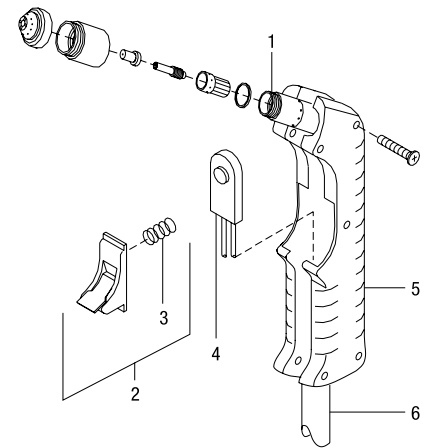


**Consumables for  
ICE-50C and ICE-50CM Torches**

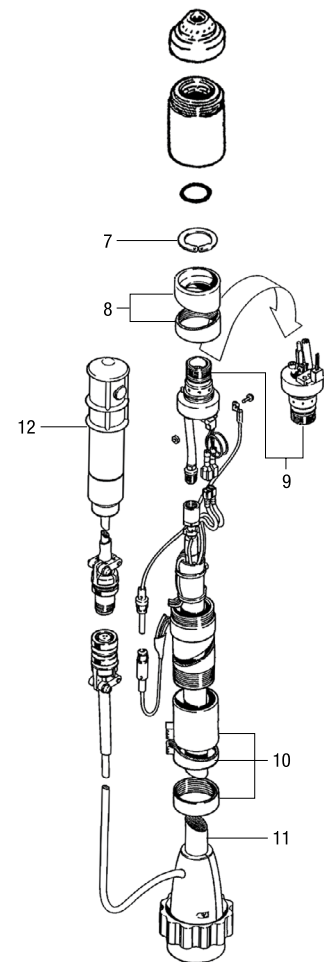


## ICE-55C & 55CM Service Parts/Consumables

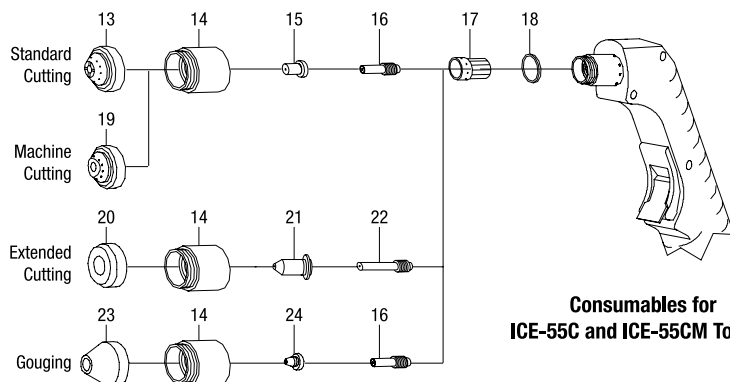
| Item #                               | Part # | Description                  | Quantity      |
|--------------------------------------|--------|------------------------------|---------------|
|                                      | 193347 | Torch, 25 ft (ICE-55C)       | 1             |
|                                      | 193348 | Torch, 50 ft (ICE-55C)       | 1             |
|                                      | 193349 | Torch, 50 ft (ICE-55CM)      | 1             |
| <b>ICE-55C Torch (Hand-Held)</b>     |        |                              |               |
| 1                                    | 192059 | Main Body                    | 1             |
|                                      | 202932 | Plunger Repair Kit           | 1             |
| 2                                    | 185833 | Switch Assembly (includes)   | 1             |
| 3                                    | 190220 | Spring                       | 1             |
| 4                                    | 171248 | Push Button Switch           | 1             |
| 5                                    | 183427 | Handle Assembly, complete    | 1             |
| 6                                    | 192062 | Leads, 25 ft                 | 1             |
|                                      | 192063 | Leads, 50 ft                 | 1             |
|                                      | 252951 | Grease, Silicon              | 1             |
| <b>ICE-55CM Torch (Machine-Held)</b> |        |                              |               |
| 7                                    | 198644 | Retaining Ring               | 1             |
| 8                                    | 198643 | Torch Sleeve                 | 1             |
| 9                                    | 192060 | Main Body                    | 1             |
| 10                                   | 180610 | Position Sleeve              | 1             |
| 11                                   | 192061 | Leads, 50 ft                 | 1             |
| 12                                   | 180605 | Remote Pendant Control       | 1             |
| <b>Consumables</b>                   |        |                              |               |
| 13                                   | 192053 | Shield, drag                 | 1             |
| 14                                   | 192050 | Cup, retaining               | 1             |
| 15                                   | 192051 | Tip, standard                | 1 (5 per pkg) |
| 16                                   | 192047 | Electrode, standard          | 1 (5 per pkg) |
| 17                                   | 192049 | Swirl Ring                   | 1             |
| 18                                   | 169232 | O-Ring                       | 1 (3 per pkg) |
| 19                                   | 192058 | Shield, machine              | 1             |
| 20                                   | 177888 | Deflector                    | 1             |
| 21                                   | 192056 | Tip, extended tapered (55 A) | 1 (5 per pkg) |
|                                      | 192052 | Tip, extended tapered (40 A) | 1 (5 per pkg) |
| 22                                   | 192048 | Electrode, extended          | 1 (5 per pkg) |
| 23                                   | 192203 | Shield, gouge                | 1             |
| 24                                   | 192204 | Tip, gouge                   | 1 (5 per pkg) |
| 25                                   | 226763 | Sense Tab                    | 1             |
|                                      | 222941 | Consumable Kit (ICE-55C)     | 1             |
|                                      | 253055 | Circle Cutting Guide         | 1             |



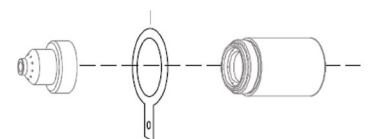
**ICE-55C Torch**



**ICE-55CM Torch**



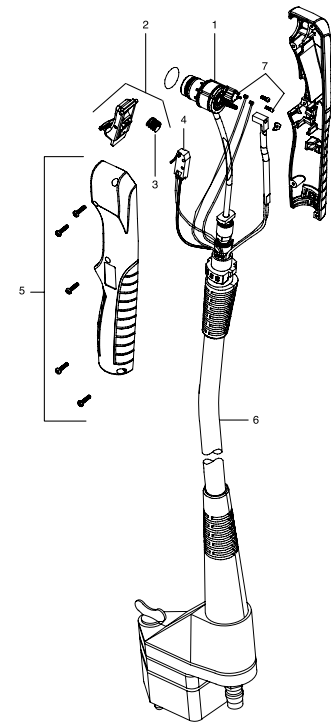
**Consumables for  
ICE-55C and ICE-55CM Torches**



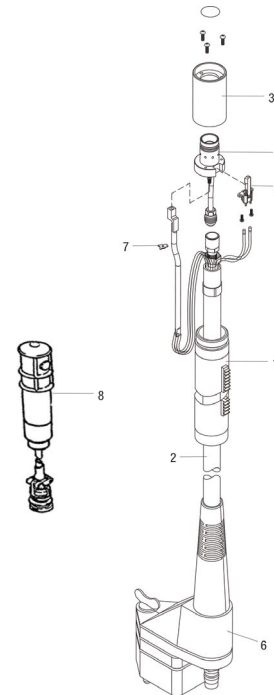
**226763  
Sense Tab**

## ICE-60T & 60TM Service Parts/Consumables

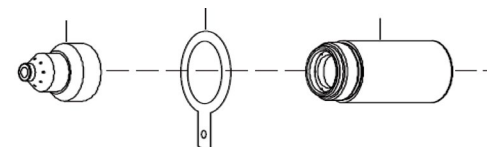
| Item #                | Part #          | Description                                 | Quantity      |
|-----------------------|-----------------|---------------------------------------------|---------------|
|                       | 234132          | Torch, 20 ft (ICE-60T)                      | 1             |
|                       | 234134 (249954) | Torch, 50 ft (ICE-60T)                      | 1             |
|                       | 234136          | Torch, 25 ft (ICE-60TM)                     | 1             |
|                       | 234138          | Torch, 50 ft (ICE-60TM)                     | 1             |
|                       | 300759          | Torch with Pendant, 25 ft (ICE-60TM)        | 1             |
|                       | 300760          | Torch with Pendant, 50 ft (ICE-60TM)        | 1             |
| <b>ICE-60T Torch</b>  |                 |                                             |               |
| 1                     | 215477          | Torch, Main Body                            | 1             |
| 2                     | 185833          | Switch Assembly (includes spring)           | 1             |
| 3                     | 190220          | Spring                                      | 1             |
| 4                     | 215592          | Trigger Switch                              | 1             |
| 5                     | 215594          | Handle Assembly                             | 1             |
| 6                     | 234132          | Leads, 20 ft                                | 1             |
|                       | 234134 (249954) | Leads, 50 ft                                | 1             |
|                       | 252951          | Grease, Silicon                             | 1             |
| 7                     | 215478          | Switch Cup, Sensor                          | 1             |
| <b>ICE-60TM Torch</b> |                 |                                             |               |
| 1                     | 215607          | Sleeve, Torch Position                      | 1             |
| 2                     | 234172          | Torch Lead, 25 ft (7.6 m)                   | 1             |
| 3                     | 215599          | Torch Sleeve                                | 1             |
| 4                     | 215598          | Torch, Main Body                            | 1             |
| 5                     | 215478          | Switch Cup, Sensor                          | 1             |
| 6                     | 234829          | Kit, ICE-60T/TM QD w/Wing Head Fastener     | 1             |
| 7                     | 215606          | Clip, Retaining                             | 1             |
| 8                     | 195513          | Remote Pendant Control                      | 1             |
|                       | 220240          | Cable, Remote Control Trigger 25 ft (7.6 m) | 1             |
|                       | 220241          | Cable, Remote Voltage Sense 26.5 ft (8 m)   | 1             |
| <b>Consumables</b>    |                 |                                             |               |
| 9                     | 212735          | O-Ring                                      | 1 (5 per pkg) |
| 10                    | 212734          | Swirl Ring                                  | 1             |
| 11                    | 212724          | Electrode                                   | 1 (5 per pkg) |
| 12                    | 219676          | Standard 60A tip                            | 1 (5 per pkg) |
| 13                    | 212725          | Standard 40A tip                            | 1 (5 per pkg) |
| 14                    | 212733          | Retaining Cup                               | 1             |
| 15                    | 212730          | Drag Shield                                 | 1             |
| 16                    | 212732          | Shield                                      | 1             |
| 17                    | 219682          | Extended 60A tip                            | 1 (5 per pkg) |
| 18                    | 212729          | Extended 40A tip                            | 1 (5 per pkg) |
| 19                    | 212736          | Deflector                                   | 1             |
| 20                    | 219680          | Gouge Tip                                   | 1 (5 per pkg) |
| 21                    | 212731          | Gouge Shield                                | 1             |
| 22                    | 226763          | Sense Tab                                   | 1             |
| 23                    | 253054          | Stand-off Guide                             | 1             |
| 24                    | 253055          | Cutting Guide                               | 1             |



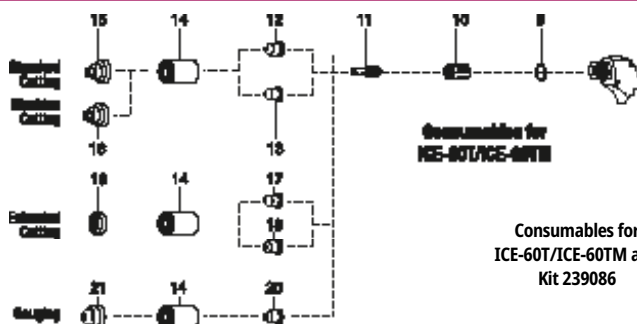
ICE-60T Torch



ICE-60TM Torch



226763  
Sense Tab



Consumables for  
ICE-60T/ICE-60TM

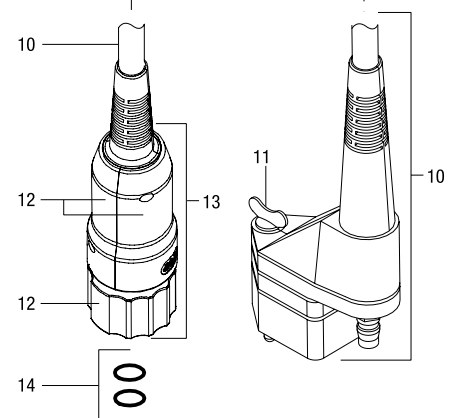
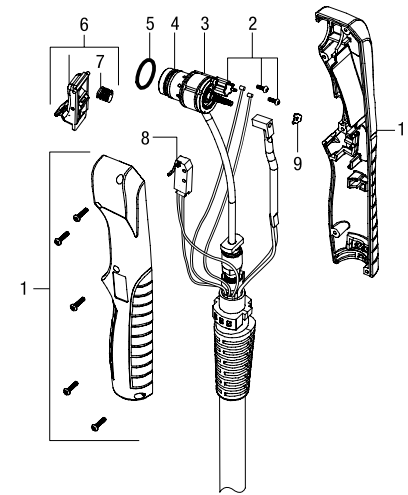
Consumables for  
ICE-60T/ICE-60TM and  
Kit 239086



## ICE-80CX/80T Service Parts/Consumables

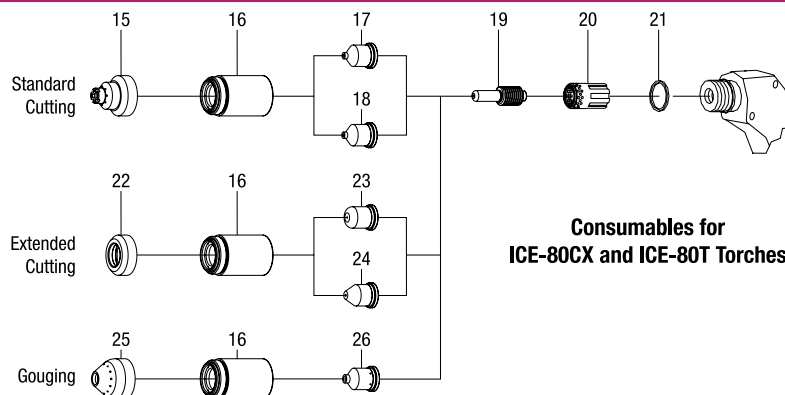
| Item #             | Part # ICE-80CX     | Part # ICE-80T      | Description                     | Quantity      |
|--------------------|---------------------|---------------------|---------------------------------|---------------|
|                    | 216300              | 195223              | Torch, 25 ft                    | 1             |
|                    | 218044              | 195225              | Torch, 50 ft                    | 1             |
| 1                  | 215594              | 215594              | Handle w/Screws                 | 1             |
| 2                  | 215478              | 215478              | Cup Sensor Switch Kit           | 1             |
| 3                  | 215477              | 215477              | Main Body                       | 1             |
| 4                  | 215479              | 215479              | Torch Head Repair Kit           | 1             |
| 5                  | 212735              | 212735              | O-Ring, main body               | 1 (5 per pkg) |
| 6                  | 185833              | 185833              | Switch Assembly (includes)      | 1             |
| 7                  | 190220              | 190220              | Trigger Spring                  | 1             |
| 8                  | 215592              | 215592              | Switch Trigger                  | 1             |
| 9                  | 215606              | 215606              | Clip, Retaining                 | 1             |
| 10                 | 216309              | 223543 <sup>1</sup> | Torch Lead, 25 ft (7.6 m)       | 1             |
|                    | 218045              | 223544 <sup>1</sup> | Torch Lead, 50 ft (15.2 m)      | 1             |
| 11                 | —                   | 227546              | Fastener Stud                   | 1             |
| 12                 | 218177              | —                   | Plug Assembly, quick disconnect | 1             |
| 13                 | 190497              | —                   | Both Plastic Halves and Nut     | 1             |
| 14                 | 187305              | —                   | O-Ring, quick disconnect        | 2             |
| <b>Consumables</b> |                     |                     |                                 |               |
| 15                 | 212730              | 212730              | Drag Shield                     | 1             |
| 16                 | 212733              | 212733              | Retaining Cup                   | 1             |
| 17                 | 212725              | 212725              | 40 Amp Standard Tip             | 1 (5 per pkg) |
| 18                 | 212726              | 212726              | 80 Amp Standard Tip             | 1 (5 per pkg) |
| 19                 | 212724              | 212724              | Electrode                       | 1 (5 per pkg) |
| 20                 | 212734              | 212734              | Swirl Ring                      | 1             |
| 21                 | 212735              | 212735              | O-Ring                          | 1 (5 per pkg) |
| 22                 | 212736              | 212736              | Deflector                       | 1             |
| 23                 | 212729              | 212729              | 40 Amp Extended Tip             | 1 (5 per pkg) |
| 24                 | 212728              | 212728              | 80 Amp Extended Tip             | 1 (5 per pkg) |
| 25                 | 212731              | 212731              | 80 Amp Gouge Shield             | 1             |
| 26                 | 212727              | 212727              | 80 Amp Gouge Tip                | 1 (5 per pkg) |
|                    | 222942 <sup>1</sup> | 222942 <sup>1</sup> | Consumable Kit (ICE-80T)        | 1             |
|                    | 253054              | 253054              | Stand-off Guide                 | 1             |
|                    | 253055              | 253055              | Circle Cutting Guide            | 1             |

<sup>1</sup>ICE-80T Consumable Kit includes (1) plastic case 127493, (1) drag shield 212730, (1) retaining cup 212733, (3) tips 212726, (6) electrodes 212724, (2) extended tips 212728, (1) gouge shield 212731, (1) gouge tip 212727, (3) o-rings 212735, and (1) silicon grease 252951.



ICE-80CX Torch

ICE-80T Torch



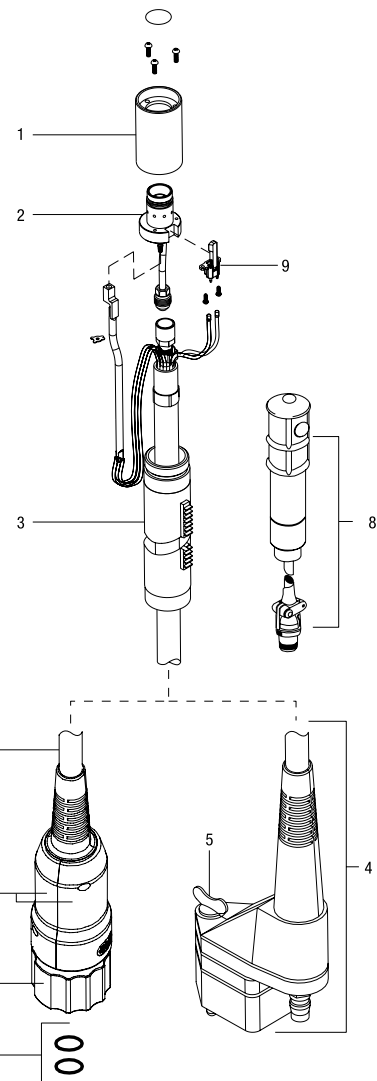


# PLASMA CUTTING

## ICE-80CXM/80TM Service Parts/Consumables

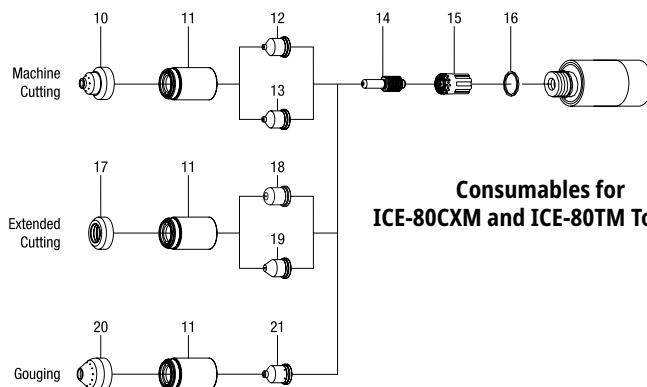
| Item #             | Part # ICE-80CXM    | Part # ICE-80T      | Description                     | Quantity      |
|--------------------|---------------------|---------------------|---------------------------------|---------------|
|                    | 216300              | 195223              | Torch, 25 ft                    | 1             |
|                    | 218044              | 195225              | Torch, 50 ft                    | 1             |
| 1                  | 215594              | 215594              | Handle with screws              | 1             |
| 2                  | 215478              | 215478              | Cup Sensor Kit                  | 1             |
| 3                  | 215477              | 215477              | Main Body                       | 1             |
| 4                  | 215479              | 215479              | Torch Head Repair Kit           | 1             |
| 5                  | 212735              | 212735              | O-Ring, main body               | 1 (5 per pkg) |
| 6                  | 185833              | 185833              | Switch Assembly (includes)      | 1             |
| 7                  | 190220              | 190220              | Trigger spring                  | 1             |
| 8                  | 215592              | 215592              | Switch trigger                  | 1             |
| 9                  | 215606              | 215606              | Clip, retaining                 | 1             |
| 10                 | 216309              | 223543 <sup>1</sup> | Torch Lead, 25 ft (7.6 m)       | 1             |
|                    | 218045              | 223544 <sup>1</sup> | Torch Lead, 50 ft (15.2 m)      | 1             |
| 11                 | —                   | 227546              | Fastener Stud                   | 1             |
| 12                 | 218177              | —                   | Plug Assembly, quick disconnect | 1             |
| 13                 | 190497              | —                   | Both Plastic Halves and Nut     | 1             |
| 14                 | 187305              | —                   | O-Ring, quick disconnect        | 2             |
| <b>Consumables</b> |                     |                     |                                 |               |
| 15                 | 212730              | 212730              | Drag Shield                     | 1             |
| 16                 | 212733              | 212733              | Retaining Cup                   | 1             |
| 17                 | 212725              | 212725              | 40 Amp Standard Tip             | 1 (5 per pkg) |
| 18                 | 212726              | 212726              | 80 Amp Standard Tip             | 1 (5 per pkg) |
| 19                 | 212724              | 212724              | Electrode                       | 1 (5 per pkg) |
| 20                 | 212734              | 212734              | Swirl Ring                      | 1             |
| 21                 | 212735              | 212735              | O-Ring                          | 1 (5 per pkg) |
| 22                 | 212736              | 212736              | Deflector                       | 1             |
| 23                 | 212729              | 212729              | 40 Amp Extended Tip             | 1 (5 per pkg) |
| 24                 | 212728              | 212728              | 80 Amp Extended Tip             | 1 (5 per pkg) |
| 25                 | 212731              | 212731              | 80 Amp Gouge Shield             | 1             |
| 26                 | 212727              | 212727              | 80 Amp Gouge Tip                | 1 (5 per pkg) |
|                    | 222942 <sup>2</sup> | 222942 <sup>1</sup> | Consumable Kit (ICE-80T)        | 1             |
|                    | 253054              | 253054              | Stand-off Guide                 | 1             |
|                    | 253055              | 253055              | Circle Cutting Guide            | 1             |

<sup>1</sup>ICE-80T Consumable Kit includes (1) plastic case 127493, (1) drag shield 212730, (1) retaining cup 212733, (3) tips 212726, (6) electrodes 212724, (2) extended tips 212728, (1) gouge shield 212731, (1) gouge tip 212727, (3) o-rings 212735, and (1) silicon grease 252951.



ICE-80CXM Torch

ICE-80TM Torch



Consumables for  
ICE-80CXM and ICE-80TM Torches



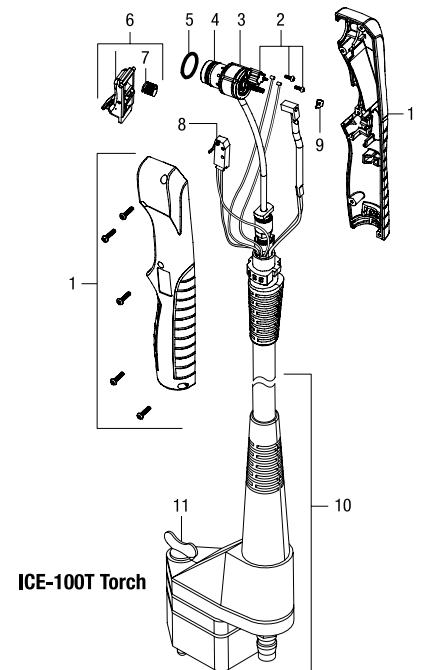
226763  
Sense Tab



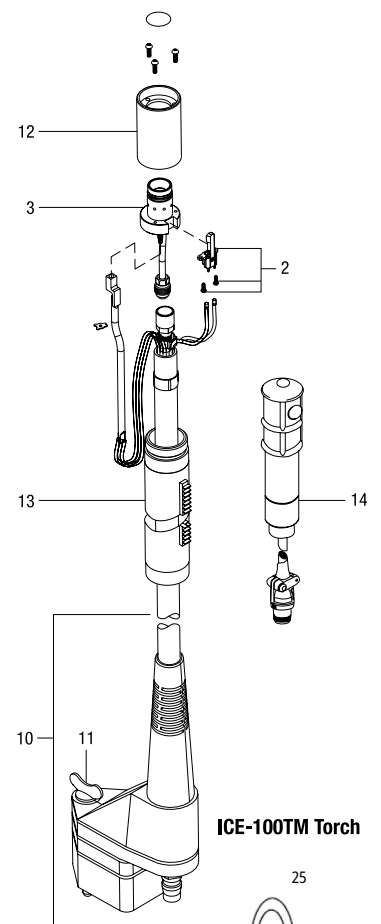
## ICE-100T & 100TM Service Parts/Consumables

| Item #             | Part #<br>ICE-100T          | Part #<br>ICE-100TM        | Description                         | Quantity      |
|--------------------|-----------------------------|----------------------------|-------------------------------------|---------------|
|                    | 225702                      | 225706                     | Torch, 25 ft                        | 1             |
|                    | 225704                      | 225708                     | Torch, 50 ft                        | 1             |
| 1                  | 215594                      | —                          | Handle w/Screws                     | 1             |
| 2                  | 215478                      | 215478                     | Cup Sensor Switch Kit               | 1             |
| 3                  | 223774                      | 223773                     | Main Body w/Switch                  | 1             |
| 4                  | 223775                      | 223775                     | Torch Head Repair Kit               | 1             |
| 5                  | 212735                      | —                          | O-Ring, Main Body                   | 1 (5 per pkg) |
| 6                  | 185833                      | —                          | Switch Assembly (includes)          | 1             |
| 7                  | 190220                      | —                          | Trigger Spring                      | 1             |
| 8                  | 215592                      | —                          | Switch Trigger                      | 1             |
| 9                  | 215606                      | —                          | Clip, Retaining                     | 1             |
| 10                 | 223612                      | 223614 <sup>1</sup>        | Torch Lead, 25 ft (7.6 m)           | 1             |
|                    | 223613                      | 223615 <sup>1</sup>        | Torch Lead, 50 ft (15.2 m)          | 1             |
| 11                 | 227546                      | 227546                     | Fastener Stud                       | 1             |
| 12                 | —                           | 215599                     | Torch Sleeve, ICE-80TM              | 1             |
| 13                 | —                           | 215607                     | Sleeve, Torch Position              | 1             |
| 14                 | —                           | 195513                     | Remote Pendant Control              | 1             |
|                    | —                           | 220240                     | Cable, Remote Control Trigger 25 ft | 1             |
|                    | —                           | 220241                     | Cable, Remote Voltage Sense 26.5 ft | 1             |
| <b>Consumables</b> |                             |                            |                                     |               |
| 15                 | 212730/219685 <sup>1</sup>  | 212732/219687 <sup>2</sup> | Drag/Machine Shield                 | 1             |
| 16                 | 212733/219684 <sup>1</sup>  | 212733/219684 <sup>2</sup> | Retaining Cup                       | 1             |
| 17                 | 212725                      | 212725                     | 40 Amp Standard Tip                 | 1 (5 per pkg) |
|                    | 219676                      | 219676                     | 60 Amp Standard Tip                 | 1 (5 per pkg) |
|                    | 212726                      | 212726                     | 80 Amp Standard Tip                 | 1 (5 per pkg) |
|                    | 219679                      | 219679                     | 100 Amp Standard Tip                | 1 (5 per pkg) |
| 18                 | 212724/219 678 <sup>1</sup> | 212724/219678 <sup>2</sup> | Electrode                           | 1 (5 per pkg) |
| 19                 | 212734/219 677 <sup>1</sup> | 212734/219677 <sup>2</sup> | Swirl Ring                          | 1             |
| 20                 | 212735                      | 212735                     | O-Ring                              | 1 (5 per pkg) |
| 21                 | 212736                      | 212736                     | Deflector                           | 1             |
| 22                 | 212729                      | 212729                     | 40 Amp Extended Tip                 | 1 (5 per pkg) |
|                    | 219682                      | 219682                     | 60 Amp Extended Tip                 | 1 (5 per pkg) |
|                    | 212728                      | 212728                     | 80 Amp Extended Tip                 | 1 (5 per pkg) |
|                    | 219683                      | 219683                     | 100 Amp Extended Tip                | 1 (5 per pkg) |
| 23                 | 212731                      | 212731                     | Gouge Shield                        | 1             |
| 24                 | 219680                      | 219680                     | 60 Amp Gouge Tip                    | 1 (5 per pkg) |
| 25                 | —                           | 226763                     | Sense Tab                           | 1             |
|                    | 212727                      | 212727                     | 80 Amp Gouge Tip                    | 1 (5 per pkg) |
|                    | 219681                      | 219681                     | 100 Amp Gouge Tip                   | 1 (5 per pkg) |
|                    | 227037                      | 227037 <sup>3</sup>        | Consumable Kit (ICE-100T)           | 1             |
|                    | 253054                      | —                          | Stand-off Guide                     | 1             |
|                    | 253055                      | —                          | Circle Cutting Guide                | 1             |

<sup>1</sup>First number is for 40/60/80 Amp components and second number is for 100 Amp components.

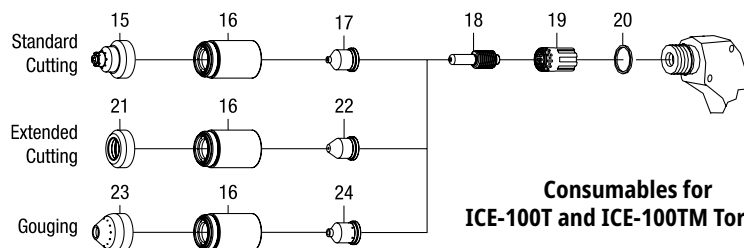


ICE-100T Torch



ICE-100TM Torch

226763  
Sense Tab



Consumables for  
ICE-100T and ICE-100TM Torches

# TIG TORCHES

## TIG Connectors

### Air Cool 1-Piece Power Cable Connectors



**194722 / 194723**  
50 mm Dinse-style gas thru  
for one-piece air-cooled torch.



**195378 / 195379**  
50 mm Dinse-style for  
one-piece air-cooled torch.



**105Z57**  
Power cable adapter for  
one-piece A-150 torch.



**45V62**  
Power cable adapter for  
one-piece A-200 torch.

**225564**  
Replacement Back Hose

### Air Cool 2-Piece Power Cable Connectors



**129527**  
50 mm Dinse-style for two-piece  
cable air-cooled torch.

### Water Cool Power Cable Connectors



**195380**  
50 mm Dinse-style gas thru with gas and water  
return lines for water-cooled torch.



**195377**  
50 mm Dinse-style with water  
return line for water-cooled torch.



**45V11**  
Power cable adapter for  
water-cooled torch.



**225028**  
50 mm thread lock-style  
for water-cooled torch.

**222809**  
Replacement Red Hose

**225564**  
Replacement Black Hose

**222809**  
Replacement Red Hose

**221170**  
Replacement Black Hose

| Machines                                                                  | Connection Type       | A-80, A-125, A-150<br>Power Cable Connector |         | A-200<br>Power Cable Connector |         | Water Cool Power<br>Cable Connector |
|---------------------------------------------------------------------------|-----------------------|---------------------------------------------|---------|--------------------------------|---------|-------------------------------------|
|                                                                           |                       | 1-Piece                                     | 2-Piece | 1-Piece                        | 2-Piece |                                     |
| <b>TIG Machines</b>                                                       |                       |                                             |         |                                |         |                                     |
| Syncrowave® 200/210                                                       | 50 mm Dinse, Gas Thru | 194722                                      | 129527* | 194723                         | 129527* | 195380                              |
| Syncrowave® 250 DX/350 DX (Dinse)                                         | 50 mm Dinse           | 195378                                      | 129527  | 195379                         | 129527  | 195377                              |
| Syncrowave® 250 DX/350 DX (Stud)                                          | 1/2 in Stud           | 105Z57                                      | N/A     | 45V62                          | N/A     | 45V11                               |
| Syncrowave® 300/400                                                       | 50 mm Dinse           | 195378                                      | 129527  | 195379                         | 129527  | 195377                              |
| Maxstar® 150/161 STL/STH                                                  | 25 mm Dinse, Gas Thru | 273483                                      | 263801* | N/A                            | N/A     | N/A                                 |
| Dynasty® 210/280/300/350/400                                              | 50 mm Dinse           | 195378                                      | 129527  | 195379                         | 129527  | 195377                              |
| Maxstar® 210/280/350/400                                                  | 50 mm Dinse           | 195378                                      | 129527  | 195379                         | 129527  | 195377                              |
| Dynasty® / Maxstar® 700/800                                               | 50 mm Dinse           | 195378                                      | 129527  | 195379                         | 129527  | 195377                              |
| <b>Multiprocess Machines</b>                                              |                       |                                             |         |                                |         |                                     |
| Multimatic™ 200/215/220                                                   | 25 mm Dinse, Gas Thru | 273483                                      | 263801* | N/A                            | N/A     | N/A                                 |
| Multimatic™ 235/255                                                       | 50 mm Dinse           | 195378                                      | 129527  | 195379                         | 129527  | 195377                              |
| Dimension™ 302/452/NT 450/652                                             | 1/2 in Stud           | 105Z57                                      | N/A     | 45V62                          | N/A     | 45V11                               |
| Pipeworx                                                                  | 1/2 in Stud           | 105Z57                                      | N/A     | 45V62                          | N/A     | 45V11                               |
| XMT® 304/350                                                              | 50 mm Dinse           | 195378                                      | 129527  | 195379                         | 129527  | 195377                              |
| XMT® 450                                                                  | 1/2 in Stud           | 105Z57                                      | N/A     | 45V62                          | N/A     | 45V11                               |
| <b>Engine-Driven Machines</b>                                             |                       |                                             |         |                                |         |                                     |
| Most Big Blue®, Trailblazer®, Bobcat®, Blue Star®,<br>and Wildcat® models | 1/2 in Stud           | 105Z57                                      | N/A     | 45V62                          | N/A     | 45V11                               |
| Big Blue® 450 Duo CST                                                     | 50 mm Dinse           | 195378                                      | 129527  | 195379                         | 129527  | 195377                              |

\*Two-piece power cable connector is not gas thru.



## Weldcraft® A-80 Series

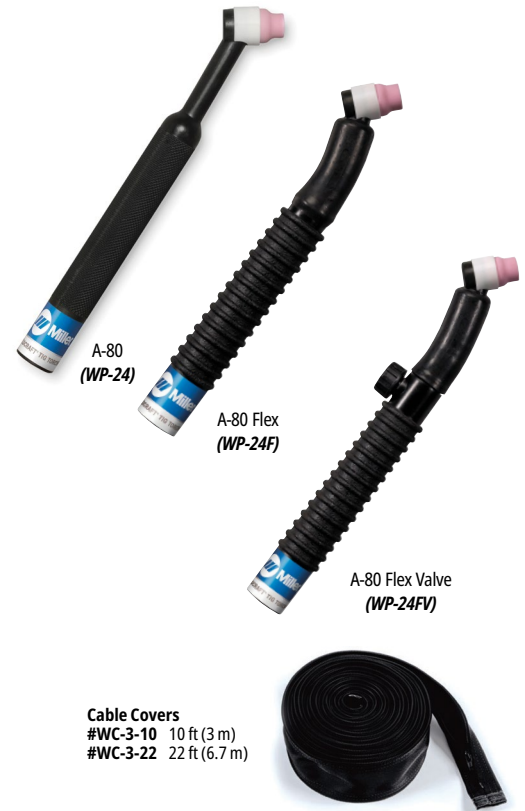
Formerly WP-24 Series

### Hand-Held Air-Cooled Service Parts/Consumables

| Models    |                 | 1-Piece Power Cable<br>Standard Rubber |               |
|-----------|-----------------|----------------------------------------|---------------|
| Old Model | New Name        | 12.5 ft (3.8 m)                        | 25 ft (7.6 m) |
| WP-24     | A-80            | WP-24-12-R                             | WP-24-25-R    |
| WP-24F    | A-80 Flex       | WP-24F-12-R                            | WP-24F-25-R   |
| WP-24FV   | A-80 Flex Valve | WP-24FV-12-R                           | WP-24FV-25-R  |

V= Valve F=Flex FV=Flex Valve  
Torch packages include torch body, handle, and power cable.

| Torch Bodies    |                 | Handles       |         |
|-----------------|-----------------|---------------|---------|
| A-80            | WP-24           | Ribbed        | 105Z55R |
| A-80 Flex       | WP-24F          | Knurled       | H-100   |
| A-80 Flex Valve | WP-24FV         |               |         |
| Valve           |                 |               |         |
| A-80 Flex Valve | 150VTB          |               |         |
| Power Cables    |                 |               |         |
|                 | 12.5 ft (3.8 m) | 25 ft (7.6 m) |         |
| Rubber          | 56Y38R          | 56Y97R        |         |
| Adapter         | 24-5            |               |         |



## Consumables

### Non-Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) | 1/16 (1.6) | 3/32 (2.4) |
|-----------------------------|------------|------------|------------|
| 1 Insulator (required)      | 53N22      | 53N22      | 53N22      |
| 2 Collet                    | 53N16      | 53N14      | 24C332     |
| 3 Collet Body               | 53N18      | 53N19      | 24CB332    |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8)    |
| 4 Alumina                   | A53N24     | A53N25     | A53N27     |
| * Lava                      | 53N24      | 53N25      | 53N27      |
| * Long Lava                 | 53N28      | —          | 53N26      |

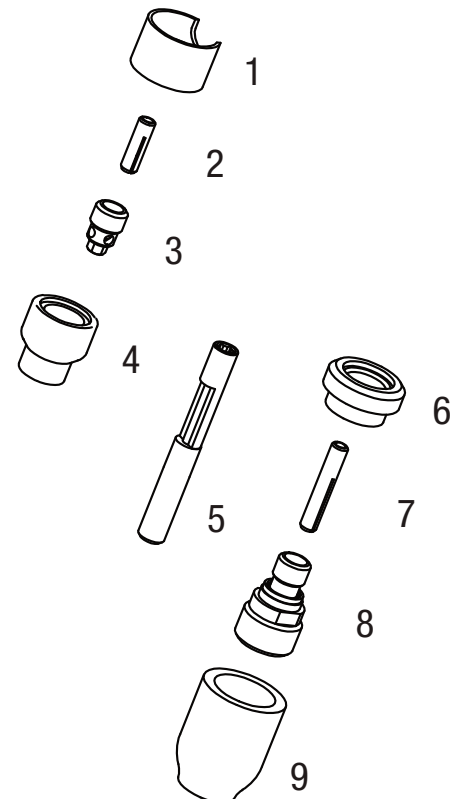
### Collet Body Wrench

5 53N20

### Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |
|-----------------------------|------------|----------|------------|----------|------------|
| 6 Insulator (required)      | 53N66      |          | 53N66      |          | 53N66      |
| 7 Collet                    | 53N63      |          | 53N64      |          | 24GLC332   |
| 8 Gas Lens                  | 45V42      |          | 45V43      |          | 45V44      |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    |
| 9 Alumina Gas Lens          | 53N58      | 53N59    | 53N60      | 53N61    | 53N61S     |

\*Not shown.



# TIG TORCHES

## Weldcraft® W-125 Micro Series

Formerly WP-125 Series

Hand-Held Water-Cooled  
Service Parts/Consumables

| Models    |                    | Braided Rubber  |               | Vinyl           |               |
|-----------|--------------------|-----------------|---------------|-----------------|---------------|
| Old Model | New Name           | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| WP-125M   | W-125 Medium Micro | WP-125M-12-R    | WP-125M-25-R  | WP-125M-12      | WP-125M-25    |
| WP-125L   | W-125 Long Micro   | WP-125L-12-R    | WP-125L-25-R  | WP-125L-12      | WP-125L-25    |

M= Medium (3.5 in.) L = Long (5 in.)

Torch packages include torch body, handle, power cable, gas hose, water hose, 45-degree nozzle, 45-degree 1/16 inch chuck, and collet body wrench.

| Torch Bodies |         | Handles |        |
|--------------|---------|---------|--------|
| W-125 Medium | WP-125M | Knurled | 53N06  |
| W-125 Long   | WP-125L | Ribbed  | 53N06R |

### Power Cables and Hoses

|             | Vinyl           |               | Braided         |               |
|-------------|-----------------|---------------|-----------------|---------------|
|             | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| Power Cable | 45V03HD         | 45V04HD       | 45V03RR         | 45V04RR       |
| Water Hose* | 45V07HD         | 45V08HD       | 45V07RBB        | 45V08RBB      |
| Gas Hose*   | 45V09           | 45V10         | 45V09R          | 45V10R        |

\*Requires hose clamp 53N04

### #AK125C Accessory Kit

Includes one of each size (180°, 45°, 90°, 90° short) glass nozzle, and one of each size (.040, 1/16 inch) of the following: 180-degree chuck, 45-degree chuck, 90-degree chuck, and 7-inch 2% ceriated tungsten electrode.



Cable Covers  
#WC-3-22 22 ft (6.7 m)

Extension Kit  
#EK-1-25-R 25ft. (7.6 m), rubber



## Consumables

### 45° Non-Gas Lens

| Electrode Size - inch (mm) | .040 (1.0) | 1/16 (1.6) | 3/32 (2.4) |
|----------------------------|------------|------------|------------|
| 1 Chuck 45°                | 125C40-45  | 125C116-45 | 125C332-45 |
| 2 Glass Nozzle 45°         | 125N45     | 125N45     | 125N45     |
| * Quartz Nozzle 45°        | 125N45Q    | 125N45Q    | 125N45Q    |

### 90° Non-Gas Lens

|                           |           |            |            |
|---------------------------|-----------|------------|------------|
| 3 Chuck 90°               | 125C40-90 | 125C116-90 | 125C332-90 |
| 4 Glass Nozzle 90°        | 125N90    | 125N90     | 125N90     |
| * Quartz Nozzle 90°       | 125N90Q   | 125N90Q    | 125N90Q    |
| 5 Glass Nozzle 90° Short  | 125N90S   | 125N90S    | 125N90S    |
| * Quartz Nozzle 90° Short | 125N90SQ  | 125N90SQ   | 125N90SQ   |

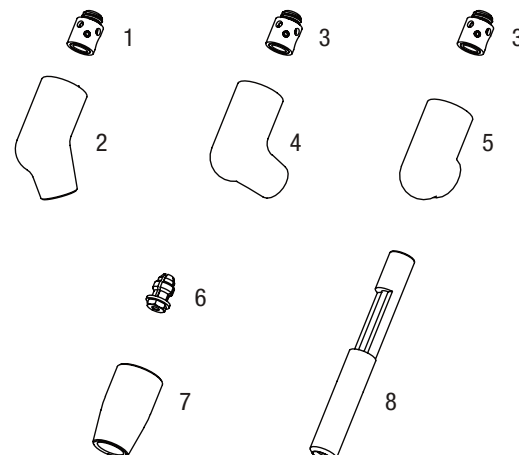
### 180° Non-Gas Lens

|                      |          |          |   |
|----------------------|----------|----------|---|
| 6 Chuck 180°         | 50C40    | 125C116  | — |
| 7 Glass Nozzle 180°  | 125N180  | 125N180  | — |
| * Quartz Nozzle 180° | 125N180Q | 125N180Q | — |

### Chuck Wrench

8 53N20

\*Not shown.







## Weldcraft® A-125 Series

Formerly WP-9 Series

### Hand-Held Air-Cooled Service Parts/Consumables



A-125  
(WP-9)

#### Additional Torch Models



A-125 Flex  
(WP-9F)



A-125 Flex Valve  
(WP-9FV)



A-125 Flex  
Redhead  
(WP-R9F)



A-125 Flex Valve  
Redhead  
(WP-R9FV)



A-125 Valve  
(WP-9V)



A-125  
Pencil  
(WP-9P)

Note: Torches delivered may vary slightly from images shown.

| Models    |                  | 1-Piece Power Cable<br>Standard Rubber |               | 2-Piece Power<br>Cable Rubber |               |
|-----------|------------------|----------------------------------------|---------------|-------------------------------|---------------|
| Old Model | New Name         | 12.5 ft (3.8 m)                        | 25 ft (7.6 m) | 12.5 ft (3.8 m)               | 25 ft (7.6 m) |
| WP-9      | A-125            | WP-9-12-R                              | WP-9-25-R     | WP-9-12-2                     | WP-9-25-2     |
| WP-9V     | A-125 Valve      | WP-9V-12-R                             | WP-9V-25-R    | WP-9V-12-2                    | WP-9V-25-2    |
| WP-9F     | A-125 Flex       | WP-9F-12-R                             | WP-9F-25-R    | WP-9F-12-2                    | WP-9F-25-2    |
| WP-9FV    | A-125 Flex Valve | WP-9FV-12-R                            | WP-9FV-25-R   | WP-9FV-12-2                   | WP-9FV-25-2   |
| WP-9P     | A-125 Pencil     | WP-9P-12-R                             | WP-9P-25-R    | —                             | —             |

V= Valve F=Flex FV=Flex Valve P=Pencil

Torch packages include torch body, handle, power cable, and long back cap (excluding the A-125 Pencil model).

| Torch Bodies             |         | Valves |                | Handles |         |
|--------------------------|---------|--------|----------------|---------|---------|
| A-125                    | WP-9    | —      |                | Ribbed  | H-100R  |
| A-125 Valve              | WP-9V   | VS-2   |                | Knurled | H-100   |
| Torch Bodies Optional    |         |        | Flex Head ONLY |         |         |
| A-125 Flex               | WP-9F   | —      | 9F             | Ribbed  | 105Z55R |
| A-125 Flex Valve         | WP-9FV  | VS-2   | 9F             | Knurled | 105Z55  |
| A-125 Redhead Flex       | WP-R9F  | —      | R9F            |         |         |
| A-125 Redhead Flex Valve | WP-R9FV | VS-2   | R9F            |         |         |
| Collet Body Wrench       |         |        |                |         | 53N20   |

#### Power Cables and Hoses

| Rubber               |               | 2-Piece         |               | Mono Flex       |               |
|----------------------|---------------|-----------------|---------------|-----------------|---------------|
| 12.5 ft (3.8 m)      | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| 57Y01R               | 57Y03R        | 57Y01-2         | 57Y03-2       | 57Y01MF         | 57Y03MF       |
| Replacement Gas Hose |               |                 |               |                 |               |
| —                    | —             | 45V09R          | 45V10R        | —               | —             |

**#AK3GL Gas Lens Accessory Kit**  
For A-150, A-200 and A-250. Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, and 7-inch 2% ceriated tungsten electrode.



**#AK4GL Gas Lens Accessory Kit**  
For W-200, W-225, W-250, W-280 and W-375. Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, and 7-inch 2% ceriated tungsten electrode.



W-180  
(WP-24W)

#### Cable Covers

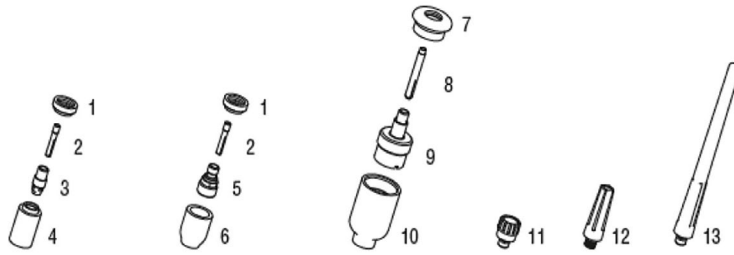
#WC-3-10: 10 ft (3 m)  
#WC-3-22: 22 ft (6.7 m)  
#WC-3-48: 48 ft (14.6 m)



#### Extension Kit

#EK-2-25-R 25 ft (7.6 m), Rubber

# TIG TORCHES



## Consumables

### Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|---------|------------|---------|------------|---------|------------|----------|-----------|
| 1 Insulator (required)      | 598882     |         | 598882     |         | 598882     |         | 598882     |          | 598882    |
| 2 Collet                    | 13N20      |         | 13N21      |         | 13N22      |         | 13N23      |          | 13N24     |
| 3 Collet Body               | 13N25      |         | 13N26      |         | 13N27      |         | 13N28      |          | 13N29     |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 4 Alumina                   | —          | 13N08   | 13N09      | 13N10   | 13N11      | 13N12   | 13N13      | —        | —         |
| * Lava                      | —          | 13N14   | 13N15      | 13N16   | 13N17      | 13N18   | 13N19      | —        | —         |
| * Long Lava                 | 796F70     | 796F71  | 796F72     | 796F73  | —          | —       | —          | —        | —         |
| * X-Long Lava               | 796F74     | 796F75  | 796F76     | 796F77  | —          | —       | —          | —        | —         |

| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|---------|------------|---------|------------|---------|------------|----------|-----------|
| 1 Insulator (required)      | 598882     |         | 598882     |         | 598882     |         | 598882     |          | 598882    |
| 2 Collet                    | 13N20      |         | 13N21      |         | 13N22      |         | 13N23      |          | 13N24     |
| 5 Gas Lens                  | 45V41      |         | 45V42      |         | 45V43      |         | 45V44      |          | 45V45     |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 6 Alumina Gas Lens          | —          | 53N58   | 53N59      | 53N60   | 53N61      | 53N61S  | —          | —        | —         |

### Large Diameter Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|---------|------------|----------|------------|----------|------------|----------|-----------|
| 7 Insulator (required)      | 54N63-20   |         | 54N63-20   |          | 54N63-20   |          | 54N63-20   |          | 54N63-20  |
| 8 Collet                    | 13N20L     |         | 13N21L     |          | 13N22L     |          | 13N23L     |          | 13N24L    |
| 9 Large Diameter Gas Lens   | 45V0204S   |         | 45V0204S   |          | 45V116S    |          | 45V64S     |          | 995795S   |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8)  | 7 (7/16)   | 8 (1/2)  | 10 (5/8)   | 12 (3/4) | Short     |
| 10 Large Dia. Gas Lens      | —          | —       | —          | 57N75    | —          | 57N74    | 53N88      | 53N87    | 53N89     |
| * Large Dia. Gas Lens-L     | —          | —       | —          | 57N75L   | —          | 57N74L   | 53N88L     | 53N87L   | —         |
| * Large Dia. Gas Lens-XL    | —          | —       | —          | 57N75XL  | —          | 57N74XL  | 53N88XL    | 53N87XL  | —         |
| * Large Dia. Gas Lens-XXL   | —          | —       | —          | 57N75XXL | —          | 57N74XXL | 53N88XXL   | 53N87XXL | —         |

### Back Caps

11 Short 41V33      12 Medium 41V35      13 Long 41V24

\*Not shown.



#### AK4GL Gas Lens Accessory Kit

For W-200, W-250, W-280 and W-350. Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, 7-inch 2% ceriated tungsten electrode.



#### #MAK-2S Accessory Kit

For W-350 Series. Includes one short and one long back cap, four back cap o-rings, two cup gaskets, one gas lens insulator, and one of each size (.040, 1/16, 3/32, 1/8 inch) gas lens. Also includes the following: ten collets (1) .040, (3) 1/16, (3) 3/32, (2) 1/8, (1) 5/32; and eight collet bodies (1) .040, (2) 1/16, (2) 3/32, (2) 1/8, (1) 5/32.



## Weldcraft® A-150 Series Formerly WP-17 Series

## Hand-Held Air-Cooled Service Parts/Consumables



A-150  
(WP-17)

### Cable Covers

#WC-3-10 10 ft (3 m)  
#WC-3-22 22 ft (6.7 m)  
#WC-3-48 48 ft (14.6 m)

### Extension Kit

#EK-2-25-R 25 ft (7.6 m), Rubber



### Additional Torch Models



A-150 Flex  
(WP-17F)



A-150 Flex Valve  
(WP-17FV)



A-150 Flex  
Redhead  
(WP-R17F)



A-150 Flex  
Valve Redhead  
(WP-R17FV)



A-150 Valve  
(WP-17V)



A-150 PSH\*  
(WP-17-PSH)



A-150 Valve PSH\*  
(WP-17V-PSH)

Note: Torches delivered may vary slightly from images shown.

| Models     |                           | 1-Piece Power Cable<br>Standard Rubber |                 | 1-Piece Power Cable<br>Mono-Flex™ |               | 2-Piece Power Cable Rubber |               |
|------------|---------------------------|----------------------------------------|-----------------|-----------------------------------|---------------|----------------------------|---------------|
| Old Model  | New Name                  | 12.5 ft (3.8 m)                        | 25 ft (7.6 m)   | 12.5 ft (3.8 m)                   | 25 ft (7.6 m) | 12.5 ft (3.8 m)            | 25 ft (7.6 m) |
| WP-17      | A-150                     | WP-17-12-R                             | WP-17-25-R      | WP-17-12-MF                       | WP-17-25-MF   | WP-17-12-2                 | WP-17-25-2    |
| WP-17V     | A-150 Valve               | WP-17V-12-R                            | WP-17V-25-R     | —                                 | WP-17V-25-MF  | WP-17V-12-2                | WP-17V-25-2   |
| WP-17F     | A-150 Flex                | WP-17F-12-R                            | WP-17F-25-R     | —                                 | —             | WP-17F-12-2                | WP-17F-25-2   |
| WP-17FV    | A-150 Flex Valve          | WP-17FV-12-R                           | WP-17FV-25-R    | —                                 | —             | WP-17FV-12-2               | WP-17FV-25-2  |
| WP-R17FV   | A-150 Flex Valve Redhead™ | WP-R17FV-12-R                          | WP-R17FV-25-R   | —                                 | —             | —                          | —             |
| WP-17-PSH  | A-150 PSH                 | —                                      | WP-17-25-R-PSH  | —                                 | —             | WP-17-12-2-PSH             | WP-17-25-2    |
| WP-17V-PSH | A-150 Valve PSH           | WP-17V-12-R-PSH                        | WP-17V-25-R-PSH | —                                 | —             | —                          | WP-17V-25-2   |

V= Valve F=Flex FV=Flex Valve PSH=Positive Stop Handle (threaded handle); Torch packages include torch body, handle, power cable, and long back cap.

| Torch Bodies             |               | Valves          |               | Handles         |               |
|--------------------------|---------------|-----------------|---------------|-----------------|---------------|
| A-150                    | WP-17         | —               | —             | Ribbed          | H-100R        |
| A-150 Valve              | WP-17V        | VS-2            | —             | Knurled         | H-100         |
| Torch Bodies Optional    |               | Flex Head ONLY  |               |                 |               |
| A-150 Flex               | WP-17F        | —               | 17F           | Ribbed          | 105Z55R       |
| A-150 Flex Valve         | WP-17FV       | VS-2            | 17F           | Knurled         | 105Z55        |
| A-150 Redhead Flex       | WP-R17F       | —               | R17F          |                 |               |
| A-150 Redhead Flex Valve | WP-R17FV      | VS-2            | R17F          |                 |               |
| A-150 PSH                | WP-17-PSH     | —               |               |                 |               |
| A-150 Valve PSH          | WP-17V-PSH    | VS-2            |               |                 |               |
| Power Cables and Hoses   |               |                 |               |                 |               |
| Rubber                   |               | 2-Piece         |               | Mono Flex       |               |
| 12.5 ft (3.8 m)          | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| 57Y01R                   | 57Y03R        | 57Y01-2         | 57Y03-2       | 57Y01MF         | 57Y03MF       |
| Replacement Gas Hose     |               |                 |               |                 |               |
| —                        | —             | 45V09R          | 45V10R        | —               | —             |

### #AK2C Accessory Kit

Includes one short back cap, three collets (one collet per size: .040, 1/16, 3/32), three collet bodies (one collet body per size: .040, 1/16, 3/32), three alumina nozzles (one nozzle per size: 4, 5, 6), and three 7-inch 2% ceriated tungsten electrodes (one electrode per size: .040, 1/16, 3/32).



### #AK3GL Gas Lens Accessory Kit

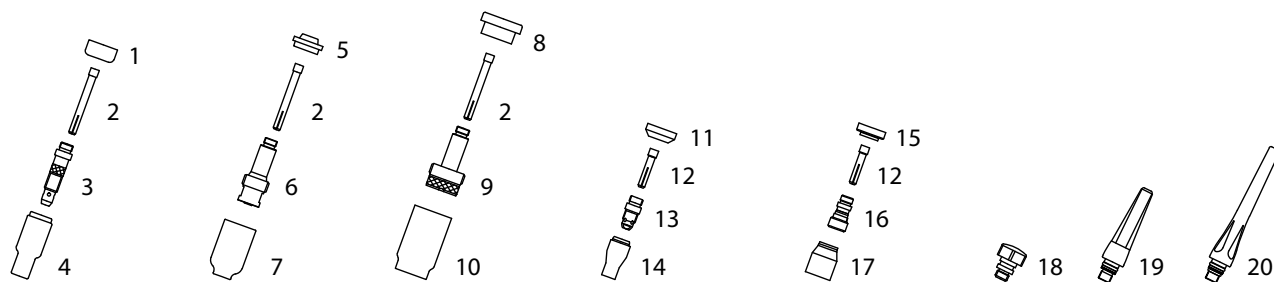
Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, and 7-inch 2% ceriated tungsten electrode.

### #MAK-25 Accessory Kit

For W-350 Series. Includes one short and one long back cap, four back cap o-rings, two cup gaskets, one gas lens insulator, and one of each size (.040, 1/16, 3/32, 1/8 inch) gas lens. Also includes the following: ten collets (1) .040, (3) 1/16, (3) 3/32, (2) 1/8, (1) 5/32; and eight collet bodies (1) .040, (2) 1/16, (2) 3/32, (2) 1/8, (1) 5/32.



# TIG TORCHES



## Consumables

### Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|
| 1 Insulator (required)      | 18CG       | 18CG       |         | 18CG       |         | 18CG       |          | 18CG      |
| 2 Collet                    | 10N21      | 10N22      |         | 10N23      |         | 10N24      |          | 10N25     |
| 3 Collet Body               | 10N29      | 10N30      |         | 10N31      |         | 10N32      |          | 10N28     |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 4 Alumina                   | 10N50      | 10N49      | 10N48   | 10N47      | 10N46   | 10N45      | 10N44    | —         |
| * Long Alumina              | —          | 10N49L     | 10N48L  | 10N47L     | —       | —          | —        | —         |
| * Lava                      | 105Z43     | 105Z42     | 105Z44  | 105Z45     | 08N78   | 08N79      | 08N80    | —         |
| * Long Lava                 | 12N03      | 105Z60     | 12N02   | 105Z61     | —       | —          | —        | —         |

### Gas Lens

Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|
| 5 Insulator (required)      | 54N01      | 54N01      |         | 54N01      |         | 54N01      |          | 54N01     |
| 2 Collet                    | 10N21      | 10N22      |         | 10N23      |         | 10N24      |          | 10N25     |
| 6 Gas Lens                  | 45V29      | 45V24      |         | 45V25      |         | 45V26      |          | 45V27     |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 7 Alumina Gas Lens          | 54N18      | 54N17      | 54N16   | 54N15      | 54N14   | —          | —        | 54N19     |
| * Long Gas Lens             | —          | 54N17L     | 54N16L  | 54N15L     | 54N14L  | —          | —        | —         |

### Large Diameter Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|------------|----------|------------|----------|------------|----------|-----------|
| 8 Insulator (required)      | 54N63      | 54N63      |          | 54N63      |          | 54N63      |          | 54N63     |
| 2 Collet                    | 10N21      | 10N22      |          | 10N23      |          | 10N24      |          | 10N25     |
| 9 Large Diameter Gas Lens   | 45V0204    | 45V0204    |          | 45V116     |          | 45V64      |          | 995795    |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8)  | 7 (7/16)   | 8 (1/2)  | 10 (5/8)   | 12 (3/4) | Short     |
| 10 Large Dia. Gas Lens      | —          | —          | 57N 75   | —          | 57N74    | 53N88      | 53N87    | 53N89     |
| * Large Dia. Gas Lens-L     | —          | —          | 57N75L   | —          | 57N74L   | 53N88L     | 53N87L   | —         |
| * Large Dia. Gas Lens-XL    | —          | —          | 57N75XL  | —          | 57N74XL  | 53N88XL    | 53N87XL  | —         |
| * Large Dia. Gas Lens-XXL   | —          | —          | 57N75XXL | —          | 57N74XXL | 53N88XXL   | 53N87XXL | —         |

### Stubby Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|
| 11 Insulator (required)     | 18CG20     | 18CG20     |         | 18CG20     |         | 18CG20     |          | 18CG20    |
| 12 Stubby Collet            | —          | 10N22S     |         | 10N23S     |         | 10N24S     |          | 10N25S    |
| 13 Stubby Collet Body       | 17CB20     | 17CB20     |         | 17CB20     |         | 17CB20     |          | 17CB20    |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 14 Stubby Alumina           | 13N08      | 13N09      | 13N10   | 13N11      | 13N12   | 13N13      | —        | —         |

### Stubby Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|
| 15 Insulator (required)     | 17GLG20    | 17GLG20    |         | 17GLG20    |         | 17GLG20    |          | 17GLG20   |
| 12 Stubby Collet            | —          | 10N22S     |         | 10N23S     |         | 10N24S     |          | 10N25S    |
| 16 Stubby Gas Lens          | —          | 17GL040    |         | 17GL116    |         | 17GL332    |          | 17GL18    |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 17 Alumina Gas Lens         | 53N58      | 53N59      | 53N60   | 53N61      | 53N61S  | —          | —        | —         |

### Back Caps

|                |                |               |                                        |
|----------------|----------------|---------------|----------------------------------------|
| 18 Short 57Y04 | 19 Medium 300M | 20 Long 57Y02 | 18-7 Insulator Back Cap (not pictured) |
|----------------|----------------|---------------|----------------------------------------|

\*Not shown.



# Weldcraft® W-180

Formerly WP-24W Series

## Hand-Held Water-Cooled Service Parts/Consumables

| Models    |          | Braided Rubber  |               | Vinyl           |               |
|-----------|----------|-----------------|---------------|-----------------|---------------|
| Old Model | New Name | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| WP-24W    | W-180    | WP-24W-12-R     | WP-24W-25-R   | WP-24W-12       | WP-24W-25     |

*Torch packages include torch body, handle, power cable, gas hose, water hose, and collet body wrench.*

| Torch Body |        | Handles |       |
|------------|--------|---------|-------|
| W-180      | WP-24W | Ribbed  | H100R |
|            |        | Knurled | H100  |

### Power Cables and Hoses

|             | Vinyl           |               | Braided         |               |
|-------------|-----------------|---------------|-----------------|---------------|
|             | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| Power Cable | 45V03HD         | 45V04HD       | 45V03RR         | 45V04RR       |
| Water Hose* | 45V07HD         | 45V08HD       | 45V07RBB        | 45V08RBB      |
| Gas Hose*   | 45V09           | 45V10         | 45V09R          | 45V10R        |

\*Requires hose clamp 53N04

Note: Torch delivered may vary slightly from image shown.



W-180  
(WP-24W)



Cable Covers  
#WC-3-22 22 ft (6.7 m)

Extension Kit  
#EK-1-25-R 25ft. (7.6 m), rubber

## Consumables

### Non-Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) | 1/16 (1.6) | 3/32 (2.4) |
|-----------------------------|------------|------------|------------|
| 1 Insulator (required)      | 53N22      | 53N22      | 53N22      |
| 2 Collet                    | 53N16      | 53N14      | 24C332     |
| 3 Collet Body               | 53N18      | 53N19      | 24CB332    |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8)    |
| 4 Alumina                   | A53N24     | A53N25     | A53N27     |
| * Lava                      | 53N24      | 53N25      | 53N27      |
| * Long Lava                 | 53N28      | —          | 53N26      |

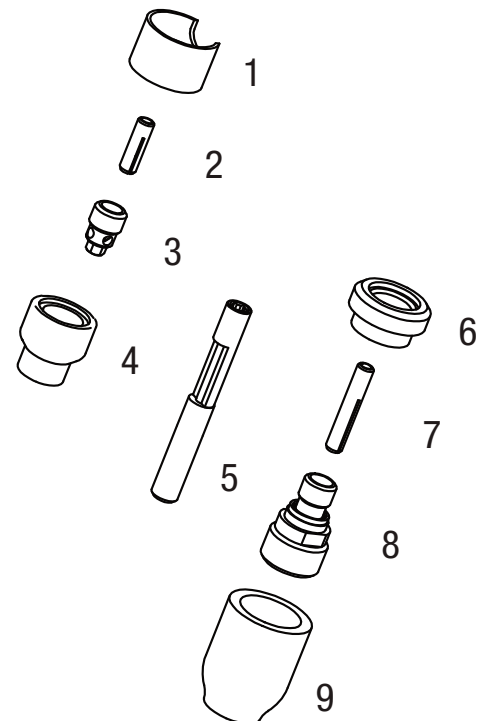
### Collet Body Wrench

5 53N20

### Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |
|-----------------------------|------------|----------|------------|----------|------------|
| 6 Insulator (required)      | 53N66      |          | 53N66      |          | 53N66      |
| 7 Collet                    | 53N63      |          | 53N64      |          | 24GLC332   |
| 8 Gas Lens                  | 45V42      |          | 45V43      |          | 45V44      |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    |
| 9 Alumina Gas Lens          | 53N58      | 53N59    | 53N60      | 53N61    | 53N61S     |

\*Not shown.





# TIG TORCHES

## Weldcraft® W-200

Formerly WP-25 Series

### Hand-Held Water-Cooled Service Parts/Consumables

| Models    |                   | Braided Rubber  |               | Vinyl           |               |
|-----------|-------------------|-----------------|---------------|-----------------|---------------|
| Old Model | New Name          | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| WP-25     | W-200 Pencil Flex | WP-25-12-R      | WP-25-25-R    | WP-25-12        | WP-25-25      |

*Torch packages include torch body, handle, power cable, gas hose, and water hose.*

| Torch Body |       | Handles |        |
|------------|-------|---------|--------|
| W-200      | WP-25 | Knurled | 53N06  |
|            |       | Ribbed  | 53N06R |

**Power Cables**

|             | Vinyl           |               | Braided         |               |
|-------------|-----------------|---------------|-----------------|---------------|
|             | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| Power Cable | 45V03HD         | 45V04HD       | 45V03RR         | 45V04RR       |
| Water Hose* | 45V07HD         | 45V08HD       | 45V07RBB        | 45V08RBB      |
| Gas Hose*   | 45V09           | 45V10         | 45V09R          | 45V10R        |

*\*Requires hose clamp 53N04*

\*Requires hose clamp 53N04



## Consumables

### Non-Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |         | 1/8 (3.2) |          |       |
|-----------------------------|------------|---------|------------|---------|------------|---------|-----------|----------|-------|
| 1 Insulator (required)      | 598882     |         | 598882     |         | 598882     |         | 598882    |          |       |
| 2 Collet                    | 13N21      |         | 13N22      |         | 13N23      |         | 13N24     |          |       |
| 3 Collet Body               | 13N26      |         | 13N27      |         | 13N28      |         | 13N29     |          |       |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)  | 12 (3/4) | Short |
| 4 Alumina                   | —          | 13N08   | 13N09      | 13N10   | 13N11      | 13N12   | 13N13     | —        | —     |
| * Lava                      | —          | 13N14   | 13N15      | 13N16   | 13N17      | 13N18   | 13N19     | —        | —     |
| * Long Lava                 | 796F70     | 796F71  | 796F72     | 796F73  | —          | —       | —         | —        | —     |
| * X-Long Lava               | 796F74     | 796F75  | 796F76     | 796F77  | —          | —       | —         | —        | —     |

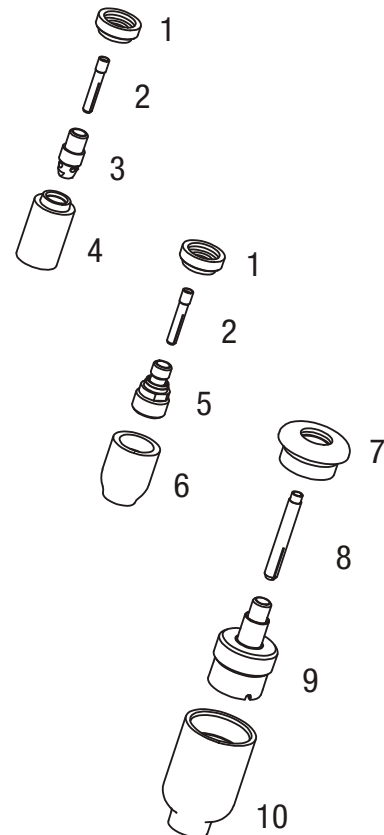
### Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |         | 1/8 (3.2) |          |       |
|-----------------------------|------------|---------|------------|---------|------------|---------|-----------|----------|-------|
| 1 Insulator (required)      | 598882     |         | 598882     |         | 598882     |         | 598882    |          |       |
| 2 Collet                    | 13N21      |         | 13N22      |         | 13N23      |         | 13N24     |          |       |
| 5 Gas Lens                  | 45V42      |         | 45V43      |         | 45V44      |         | 45V45     |          |       |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)  | 12 (3/4) | Short |
| 6 Alumina Gas Lens          | —          | 53N58   | 53N59      | 53N60   | 53N61      | 53N61S  | —         | —        | —     |

### Large Diameter Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) |         | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |          |       |
|-----------------------------|------------|---------|------------|----------|------------|----------|-----------|----------|-------|
| 7 Insulator (required)      | 54N63-20   |         | 54N63-20   |          | 54N63-20   |          | 54N63-20  |          |       |
| 8 Collet                    | 13N21L     |         | 13N22L     |          | 13N23L     |          | 13N24L    |          |       |
| 9 Large Diameter Gas Lens   | 45V0204S   |         | 45V116S    |          | 45V64S     |          | 99S795S   |          |       |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8)  | 7 (7/16)   | 8 (1/2)  | 10 (5/8)  | 12 (3/4) | Short |
| 10 Large Dia. Gas Lens      | —          | —       | —          | 57N75    | —          | 57N74    | 53N88     | 53N87    | 53N89 |
| * Large Dia. Gas Lens-L     | —          | —       | —          | 57N75L   | —          | 57N74L   | 53N88L    | 53N87L   | —     |
| * Large Dia. Gas Lens-XL    | —          | —       | —          | 57N75XL  | —          | 57N74XL  | 53N88XL   | 53N87XL  | —     |
| * Large Dia. Gas Lens-XXL   | —          | —       | —          | 57N75XXL | —          | 57N74XXL | 53N88XXL  | 53N87XXL | —     |

\*Not shown.





## Weldcraft® A-200 Series

Formerly WP-26 Series

Hand-Held Air-Cooled  
Service Parts/Consumables



A-200  
(WP-26)

### Additional Torch Models

#### Additional Torch Models



A-200 Flex  
(WP-26F)



A-200 Flex Valve  
(WP-26FV)



A-200 Valve  
(WP-26V)



A-200 Flex  
Redhead  
(WP-R26F)



A-200 Flex Valve  
Redhead  
(WP-R26FV)

Note: Torches delivered may vary slightly from images shown.

| Models    |                  | 1-Piece Power Cable<br>Standard Rubber |               | 2-Piece Power<br>Cable Rubber |
|-----------|------------------|----------------------------------------|---------------|-------------------------------|
| Old Model | New Name         | 12.5 ft (3.8 m)                        | 25 ft (7.6 m) | 25 ft (7.6 m)                 |
| WP-26     | A-200            | WP-26-12-R                             | WP-26-25-R    | WP-26-25-2                    |
| WP-26V    | A-200 Valve      | WP-26V-12-R                            | WP-26V-25-R   | WP-26V-25-2                   |
| WP-26F    | A-200 Flex       | WP-26F-12-R                            | WP-26F-25-R   | WP-26F-25-2                   |
| WP-26FV   | A-200 Flex Valve | WP-26FV-12-R                           | WP-26FV-25-R  | WP-26FV-25-2                  |

V= Valve F=Flex FV=Flex Valve

Torch packages include torch body, handle, power cable, and long back cap.

| Torch Bodies                 |          | Valves        | Handles         |               |
|------------------------------|----------|---------------|-----------------|---------------|
| A-200                        | WP-26    | —             | Ribbed          | H-200R        |
| A-200 Valve                  | WP-26V   | VS-1          | Knurled         | H-200         |
| <b>Torch Bodies Optional</b> |          |               |                 |               |
| A-200 Flex                   | WP-26F   | —             | Ribbed          | 10N15R        |
| A-200 Flex Valve             | WP-26FV  | VS-1          | Knurled         | 10N15         |
| A-200 Redhead Flex           | WP-R26F  | —             |                 |               |
| A-200 Redhead Flex Valve     | WP-R26FV | VS-1          |                 |               |
| <b>Power Cables</b>          |          |               |                 |               |
| Rubber                       |          | 1-Piece       | 2-Piece         |               |
| 12.5 ft (3.8 m)              |          | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| 46V28R                       |          | 46V30R        | 46V28-2         | 46V30-2       |
| <b>Replacement Gas Hose</b>  |          |               |                 |               |
| —                            |          | 46V30R        | 45V09R          | 45V10R        |



**#AK3GL Gas Lens Accessory Kit**  
Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, and 7-inch 2% ceriated tungsten electrode.



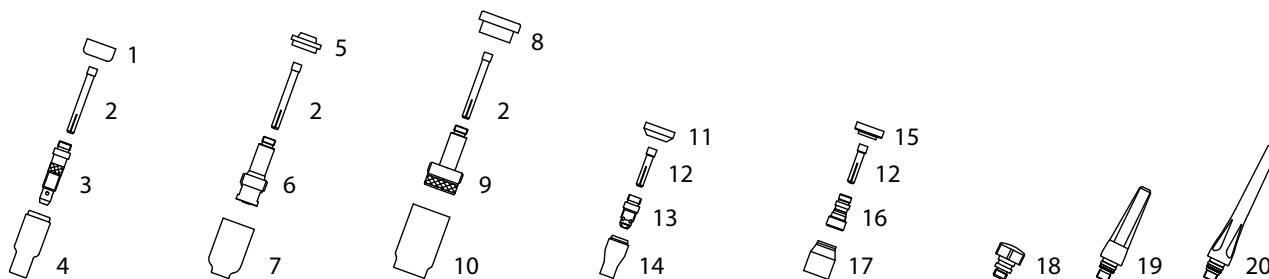
**#AK3C Accessory Kit**  
Includes one short back cap, three collets (one collet per size: 1/16, 3/32, 1/8), three collet bodies (one collet body per size: 1/16, 3/32, 1/8), three alumina nozzles (one nozzle per size: 5, 6, 8), and three 7-inch 2% ceriated tungsten electrodes (one electrode per size: 1/16, 3/32, 1/8).



**Cable Covers**  
#WC-3-10 10 ft (3 m)  
#WC-3-22 22 ft (6.7 m)

**Extension Kit**  
#EK325R  
25 ft (7.6 m),  
Rubber

# TIG TORCHES



## Consumables

### Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |  | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|------------|--|------------|----------|------------|----------|-----------|------------|
| 1 Insulator (required)      | 18CG       | 18CG       |  | 18CG       |          | 18CG       |          | 18CG      | 18CG       |
| 2 Collet                    | 10N21      | 10N22      |  | 10N23      |          | 10N24      |          | 10N25     | 54N20      |
| 3 Collet Body               | 10N29      | 10N30      |  | 10N31      |          | 10N32      |          | 10N28     | 406488     |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   |  | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short      |
| 4 Alumina                   | 10N50      | 10N49      |  | 10N48      | 10N47    | 10N46      | 10N45    | 10N44     | —          |
| * Long Alumina              | —          | 10N49L     |  | 10N48L     | 10N47L   | —          | —        | —         | —          |
| * Lava                      | 105Z43     | 105Z42     |  | 105Z44     | 105Z45   | 08N78      | 08N79    | 08N80     | —          |
| * Long Lava                 | 12N03      | 105Z60     |  | 12N02      | 105Z61   | —          | —        | —         | —          |

### Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |  | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|------------|--|------------|----------|------------|----------|-----------|------------|
| 5 Insulator (required)      | 54N01      | 54N01      |  | 54N01      |          | 54N01      |          | 54N01     | 54N01      |
| 2 Collet                    | 10N21      | 10N22      |  | 10N23      |          | 10N24      |          | 10N25     | 54N20      |
| 6 Gas Lens                  | 45V29      | 45V24      |  | 45V25      |          | 45V26      |          | 45V27     | 45V28      |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   |  | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short      |
| 7 Alumina Gas Lens          | 54N18      | 54N17      |  | 54N16      | 54N15    | 54N14      | —        | —         | 54N19      |
| * Long Gas Lens             | —          | 54N17L     |  | 54N16L     | 54N15L   | 54N14L     | —        | —         | —          |

### Large Diameter Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |  | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|------------|--|------------|----------|------------|----------|-----------|------------|
| 8 Insulator (required)      | 54N63      | 54N63      |  | 54N63      |          | 54N63      |          | 54N63     | 54N63      |
| 2 Collet                    | 10N21      | 10N22      |  | 10N23      |          | 10N24      |          | 10N25     | 54N20      |
| 9 Large Diameter Gas Lens   | 45V0204    | 45V0204    |  | 45V116     |          | 45V64      |          | 995795    | 45V63      |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   |  | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short      |
| 10 Large Dia. Gas Lens      | —          | —          |  | 57N75      | —        | 57N74      | 53N88    | 53N87     | 53N89      |
| * Large Dia. Gas Lens-L     | —          | —          |  | 57N75L     | —        | 57N74L     | 53N88L   | 53N87L    | —          |
| * Large Dia. Gas Lens-XL    | —          | —          |  | 57N75XL    | —        | 57N74XL    | 53N88XL  | 53N87XL   | —          |
| * Large Dia. Gas Lens-XXL   | —          | —          |  | 57N75XXL   | —        | 57N74XXL   | 53N88XXL | 53N87XXL  | —          |

### Stubby Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |  | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|------------|--|------------|----------|------------|----------|-----------|
| 11 Insulator (required)     | 18CG20     | 18CG20     |  | 18CG20     |          | 18CG20     |          | 18CG20    |
| 12 Stubby Collet            | —          | 10N22S     |  | 10N23S     |          | 10N24S     |          | 10N25S    |
| 13 Stubby Collet Body       | 17CB20     | 17CB20     |  | 17CB20     |          | 17CB20     |          | 17CB20    |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   |  | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  |
| 14 Stubby Alumina           | 13N08      | 13N09      |  | 13N10      | 13N11    | 13N12      | 13N13    | —         |

### Stubby Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |  | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|------------|--|------------|----------|------------|----------|-----------|
| 15 Insulator (required)     | 17GLG20    | 17GLG20    |  | 17GLG20    |          | 17GLG20    |          | 17GLG20   |
| 12 Stubby Collet            | —          | 10N22S     |  | 10N23S     |          | 10N24S     |          | 10N25S    |
| 16 Stubby Gas Lens          | —          | 17GL040    |  | 17GL118    |          | 17GL332    |          | 17GL18    |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   |  | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  |
| 17 Alumina Gas Lens         | 53N58      | 53N59      |  | 53N60      | 53N61    | 53N61S     | —        | —         |

### Back Caps

|                |                |               |                                        |
|----------------|----------------|---------------|----------------------------------------|
| 18 Short 57Y04 | 19 Medium 300M | 20 Long 57Y02 | 18-7 Insulator Back Cap (not pictured) |
|----------------|----------------|---------------|----------------------------------------|

\*Not shown.



## Weldcraft® A-250 Series

Hand-Held Air-Cooled  
Service Parts/Consumables



A-250  
(301525)



A-250 Valve  
(301526)

Note: Torches delivered may vary slightly from images shown.

| Models      | 2-Piece Power Cable, Rubber |
|-------------|-----------------------------|
| Name        | 25 ft (7.6 m)               |
| A-250       | 301525025                   |
| A-250 Valve | 301526025                   |

Torch packages include torch body, handle, power cable, and long back cap.

| Torch Bodies                  |        | Handles |        |
|-------------------------------|--------|---------|--------|
| A-250                         | 301525 | Ribbed  | H-200R |
| W-250 Valve                   | 301526 | Knurled | H-200  |
| Valve Knob                    |        |         |        |
| All valve models              | VS-1   |         |        |
| Power Cable                   |        |         |        |
| 2-Piece Rubber, 25 ft (7.6 m) |        | 46V30-2 |        |



### #AK3C Accessory Kit

Includes one short back cap, one of each size (#5, #6, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode.



### #AK4C Accessory Kit

Includes one long back cap, three collets (one collet per size: 1/16, 3/32, 1/8), three collet bodies (one collet body per size: 1/16, 3/32, 1/8), three alumina nozzles (one nozzle per size: 5, 6, 7), and three 7-inch 2% ceriated tungsten electrodes (one electrode per size: 1/16, 3/32, 1/8).



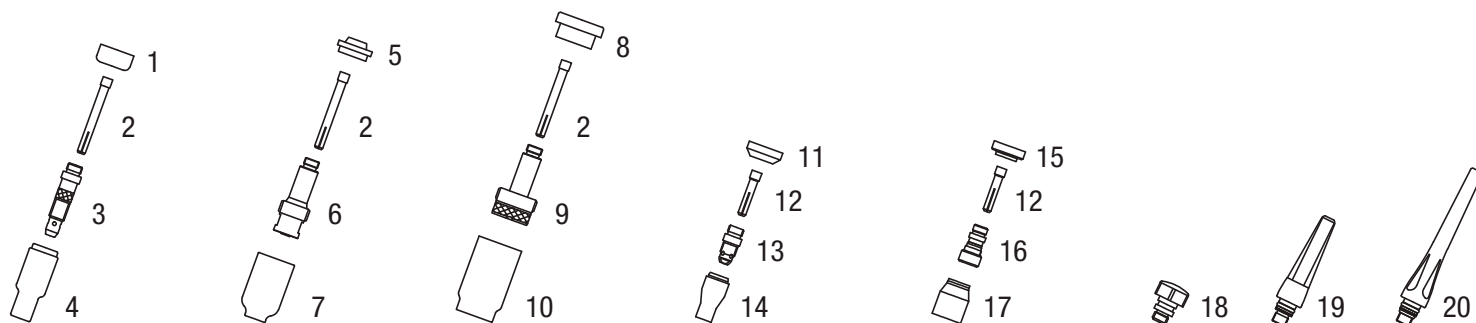
### Cable Covers

#WC-3-22 22 ft (6.7 m)

### Extension Kit

#EK325R 25ft. (7.6 m), rubber

# TIG TORCHES



## Consumables

### Non-Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|----------|------------|----------|------------|----------|-----------|------------|
| 1 Insulator (required)      | 18CG       |          | 18CG       |          | 18CG       |          | 18CG      | 18CG       |
| 2 Collet                    | 10N22      |          | 10N23      |          | 10N24      |          | 10N25     | 54N20      |
| 3 Collet Body               | 10N30      |          | 10N31      |          | 10N32      |          | 10N28     | 406488     |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short      |
| 4 Alumina                   | 10N50      | 10N49    | 10N48      | 10N47    | 10N46      | 10N45    | 10N44     | —          |
| * Long Alumina              | —          | 10N49L   | 10N48L     | 10N47L   | —          | —        | —         | —          |
| * Lava                      | 105Z43     | 105Z42   | 105Z44     | 105Z45   | 08N78      | 08N79    | 08N80     | —          |
| * Long Lava                 | 12N03      | 105Z60   | 12N02      | 105Z61   | —          | —        | —         | —          |

### Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|----------|------------|----------|------------|----------|-----------|------------|
| 5 Insulator (required)      | 54N01      |          | 54N01      |          | 54N01      |          | 54N01     | 54N01      |
| 2 Collet                    | 10N22      |          | 10N23      |          | 10N24      |          | 10N25     | 54N20      |
| 6 Gas Lens                  | 45V24      |          | 45V25      |          | 45V26      |          | 45V27     | 45V28      |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short      |
| 7 Alumina Gas Lens          | 54N18      | 54N17    | 54N16      | 54N15    | 54N14      | —        | —         | 54N19      |
| * Long Gas Lens             | —          | 54N17L   | 54N16L     | 54N15L   | —          | —        | —         | —          |

### Large Diameter Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|----------|------------|----------|------------|----------|-----------|------------|
| 8 Insulator (required)      | 54N63      |          | 54N63      |          | 54N63      |          | 54N63     | 54N63      |
| 2 Collet                    | 10N22      |          | 10N23      |          | 10N24      |          | 10N25     | 54N20      |
| 9 Large Diameter Gas Lens   | 45V0204    |          | 45V116     |          | 45V64      |          | 995795    | 45V63      |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short      |
| 10 Large Dia. Gas Lens      | —          | —        | 57N 75     | —        | 57N74      | 53N88    | 53N87     | 53N89      |
| * Large Dia. Gas Lens-L     | —          | —        | 57N75L     | —        | 57N74L     | 53N88L   | 53N87L    | —          |
| * Large Dia. Gas Lens-XL    | —          | —        | 57N75XL    | —        | 57N74XL    | 53N88XL  | 53N87XL   | —          |
| * Large Dia. Gas Lens-XXL   | —          | —        | 57N75XXL   | —        | 57N74XXL   | 53N88XXL | 53N87XXL  | —          |

### Stubby Non-Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |       |
|-----------------------------|------------|----------|------------|----------|------------|----------|-----------|-------|
| 11 Insulator (required)     | 18CG20     |          | 18CG20     |          | 18CG20     |          | 18CG20    |       |
| 12 Stubby Collet            | 10N22S     |          | 10N23S     |          | 10N24S     |          | 10N25S    |       |
| 13 Stubby Collet Body       | 17CB20     |          | 17CB20     |          | 17CB20     |          | 17CB20    |       |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short |
| 14 Stubby Alumina           | 13N08      | 13N09    | 13N10      | 13N11    | 13N12      | 13N13    | —         | —     |

### Stubby Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |       |
|-----------------------------|------------|----------|------------|----------|------------|----------|-----------|-------|
| 15 Insulator (required)     | 17GLG20    |          | 17GLG20    |          | 17GLG20    |          | 17GLG20   |       |
| 12 Stubby Collet            | 10N22S     |          | 10N23S     |          | 10N24S     |          | 10N25S    |       |
| 16 Stubby Gas Lens          | 17GL040    |          | 17GL116    |          | 17GL332    |          | 17GL18    |       |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short |
| 17 Alumina Gas Lens         | 53N58      | 53N59    | 53N60      | 53N61    | 53N61S     | —        | —         | —     |

### Back Caps

|                |                |               |
|----------------|----------------|---------------|
| 18 Short 57Y04 | 19 Medium 300M | 20 Long 57Y02 |
|----------------|----------------|---------------|

\*Not shown.





## Weldcraft® W-250 Series

Formerly WP-20 Series

Hand-Held Water-Cooled  
Service Parts/Consumables



### Cable Covers

#WC-3-10 10 ft (3 m)  
#WC-3-22 22 ft (6.7 m)



W-250  
(WP-20)

### Additional Torch Models



W-250 Valve  
(WP-20V)

Note: Torches delivered may vary slightly from images shown.

### EK-1-25-R Extension Kit

Extend torch life and minimize downtime due to overheating with efficient around-the-head cooling design. Comes with (1) W-250 Torch Body, (1) Handle, (1) 25 ft Braided Rubber Power Cable, (1) Gas Hose, (1) Water Hose and (1) Long Back Cap



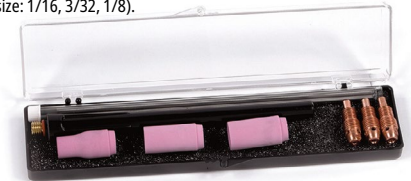
| Models    |             | Braided Rubber  |               | Vinyl         |
|-----------|-------------|-----------------|---------------|---------------|
| Old Model | New Name    | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 25 ft (7.6 m) |
| WP-20     | W-250       | WP-20-12-R      | WP-20-25-R    | WP-20-25      |
| WP-20V    | W-250 Valve | —               | —             | WP-20V-25     |

V= Valve

Torch packages include torch body, handle, power cable, long back cap, gas hose and water hose.

### #AK4C Accessory Kit

Includes one long back cap, three collets (one collet per size: 1/16, 3/32, 1/8), three collet bodies (one collet body per size: 1/16, 3/32, 1/8), three alumina nozzles (one nozzle per size: 5, 6, 7), and three 7-inch 2% ceriated tungsten electrodes (one electrode per size: 1/16, 3/32, 1/8).



| Torch Bodies |        | Valves | Handles |        |
|--------------|--------|--------|---------|--------|
| W-250        | WP-20  | —      | Knurled | 53N06  |
| W-250 Valve  | WP-20V | VS-2   | Ribbed  | 53N06R |

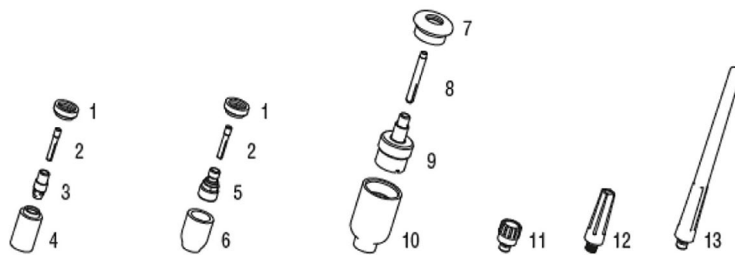
### Power Cables

|             | Vinyl           |               | Braided         |               |
|-------------|-----------------|---------------|-----------------|---------------|
|             | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| Power Cable | 45V03HD         | 45V04HD       | 45V03RR         | 45V04RR       |
| Water Hose  | 45V07HD         | 45V08HD       | 45V07RBB        | 45V08RBB      |
| Gas Hose    | 45V09           | 45V10HD       | 45V09R          | 45V10R        |



#AK4GL Gas Lens Accessory Kit  
For W-200, W-225, W-250, W-280 and W-375. Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, and 7-inch 2% ceriated tungsten electrode.

# TIG TORCHES



## Consumables

### Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|---------|------------|---------|------------|---------|------------|----------|-----------|
| 1 Insulator (required)      | 598882     |         | 598882     |         | 598882     |         | 598882     |          | 598882    |
| 2 Collet                    | 13N20      |         | 13N21      |         | 13N22      |         | 13N23      |          | 13N24     |
| 3 Collet Body               | 13N25      |         | 13N26      |         | 13N27      |         | 13N28      |          | 13N29     |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 4 Alumina                   | —          | 13N08   | 13N09      | 13N10   | 13N11      | 13N12   | 13N13      | —        | —         |
| * Lava                      | —          | 13N14   | 13N15      | 13N16   | 13N17      | 13N18   | 13N19      | —        | —         |
| * Long Lava                 | 796F70     | 796F71  | 796F72     | 796F73  | —          | —       | —          | —        | —         |
| * X-Long Lava               | 796F74     | 796F75  | 796F76     | 796F77  | —          | —       | —          | —        | —         |

### Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |  |
|-----------------------------|------------|---------|------------|---------|------------|---------|------------|----------|-----------|--|
| 1 Insulator (required)      | 598882     |         | 598882     |         | 598882     |         | 598882     |          | 598882    |  |
| 2 Collet                    | 13N20      |         | 13N21      |         | 13N22      |         | 13N23      |          | 13N24     |  |
| 5 Gas Lens                  | 45V41      |         | 45V42      |         | 45V43      |         | 45V44      |          | 45V45     |  |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |  |
| 6 Alumina Gas Lens          | —          | 53N58   | 53N59      | 53N60   | 53N61      | 53N61S  | —          | —        | —         |  |

### Large Diameter Gas Lens

|                             |            |         |            |          |            |          |            |          |           |
|-----------------------------|------------|---------|------------|----------|------------|----------|------------|----------|-----------|
| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |
| 7 Insulator (required)      | 54N63-20   |         | 54N63-20   |          | 54N63-20   |          | 54N63-20   |          | 54N63-20  |
| 8 Collet                    | 13N20L     |         | 13N21L     |          | 13N22L     |          | 13N23L     |          | 13N24L    |
| 9 Large Diameter Gas Lens   | 45V0204S   |         | 45V0204S   |          | 45V116S    |          | 45V64S     |          | 995795S   |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8)  | 7 (7/16)   | 8 (1/2)  | 10 (5/8)   | 12 (3/4) | Short     |
| 10 Large Dia. Gas Lens      | —          | —       | —          | 57N75    | —          | 57N74    | 53N88      | 53N87    | 53N89     |
| * Large Dia. Gas Lens-L     | —          | —       | —          | 57N75L   | —          | 57N74L   | 53N88L     | 53N87L   | —         |
| * Large Dia. Gas Lens-XL    | —          | —       | —          | 57N75XL  | —          | 57N74XL  | 53N88XL    | 53N87XL  | —         |
| * Large Dia. Gas Lens-XXL   | —          | —       | —          | 57N75XXL | —          | 57N74XXL | 53N88XXL   | 53N87XXL | —         |

### 98W77 O-Ring

11 Short 41V33      12 Medium 41V35      13 Long 41V24

\*Not shown.



# Weldcraft® W-280 Series

Formerly WP-280

## Hand-Held Water-Cooled Service Parts/Consumables

| Models    |                   | Braided Rubber |            |             | Braided Rubber with 50 mm Dinse |
|-----------|-------------------|----------------|------------|-------------|---------------------------------|
| Old Model | New Name          | 12.5 (3.8 m)   | 25 (7.6 m) | 50 (15.2 m) | 25 (7.6 m)                      |
| WP-280    | W-280 Super Cool™ | 301251012      | 301251025  | 301251050   | 301251001*                      |

*Torch packages include torch body, handle, power cable, long back cap, gas hose and water hose.*

*\*Cable cover included.*

| Hose Part # | Description                        |
|-------------|------------------------------------|
| 269766      | Water Hose 14 ft (4.2m), Braided   |
| 269767      | Water Hose 26.5 ft (8.0m), Braided |
| 269769      | Water Hose 51.5 ft (15.7m) Braided |
| 269770      | Gas Hose 13.25 ft (4.0m) Braided   |
| 269771      | Gas Hose 25.75 ft (7.8m) Braided   |
| 269773      | Gas Hose 50.0 ft (15.2m) Braided   |
| 269757      | Power Cable, 12.5 ft (3.8m)        |
| 269758      | Power Cable, 25.0 ft (7.6m)        |
| 269759      | Power Cable, 50.0 ft (15.2m)       |

### #AK4C Accessory Kit

Includes one long back cap, three collets (one collet per size: 1/16, 3/32, 1/8), three alumina nozzles (one nozzle per size: 1/16, 3/32, 1/8), three alumina nozzles (one nozzle per size: 5, 6, 7), and three 7-inch 2% ceriated tungsten electrodes (one electrode per size: 1/16, 3/32, 1/8).



W-280 Super Cool  
(Torch Body 301251)

269335  
Handle

### Cable Covers

#WC0183 11.75 ft (3.6 m)  
for use with 301253012

#WC0182 24.25 ft (7.4 m) for use  
with 301253025 and 301253001

### Extension Kit

#EK-1-25-R 25 ft (7.6 m), rubber



### #AK4GL Accessory Kit

For W-200, W-225, W-250, W-280 and W-375. Includes one short back cap, one of each size (#6, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, and 7-inch 2% ceriated tungsten electrode.

## Consumables

### Non-Gas Lens

| Electrode Size — inch (mm)  | .020 (0.5) | .040 (1.0) | 1/16 (1.6) |         | 3/32 (2.4) |         | 1/8 (3.2) |          |       |
|-----------------------------|------------|------------|------------|---------|------------|---------|-----------|----------|-------|
| 1 Insulator (required)      | 598882     | 598882     | 598882     |         | 598882     |         | 598882    |          |       |
| 2 Collet                    | 13N20      | 13N21      | 13N22      |         | 13N23      |         | 13N24     |          |       |
| 3 Collet Body               | 13N25      | 13N26      | 13N27      |         | 13N28      |         | 13N29     |          |       |
| Nozzle Size — size # (inch) | 3 (3/16)   | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)  | 12 (3/4) | Short |
| 4 Alumina                   | —          | 13N08      | 13N09      | 13N10   | 13N11      | 13N12   | 13N13     | —        | —     |
| * Lava                      | —          | 13N14      | 13N15      | 13N16   | 13N17      | 13N18   | 13N19     | —        | —     |
| * Long Lava                 | 796F70     | 796F71     | 796F72     | 796F73  | —          | —       | —         | —        | —     |
| * X-Long Lava               | 796F74     | 796F75     | 796F76     | 796F77  | —          | —       | —         | —        | —     |

### Gas Lens

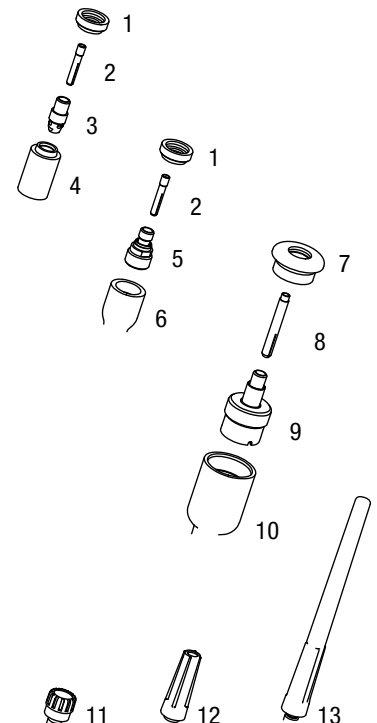
| Electrode Size — inch (mm)  | .020 (0.5) | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |       |
|-----------------------------|------------|------------|----------|------------|----------|------------|----------|-----------|-------|
| 1 Insulator (required)      | 598882     | 598882     |          | 598882     |          | 598882     |          | 598882    |       |
| 2 Collet                    | 13N20      | 13N21      |          | 13N22      |          | 13N23      |          | 13N24     |       |
| 5 Gas Lens                  | 45V41      | 45V42      |          | 45V43      |          | 45V44      |          | 45V45     |       |
| Nozzle Size — size # (inch) | 3 (3/16)   | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short |
| 6 Alumina Gas Lens          | —          | 53N58      | 53N59    | 53N60      | 53N61    | 53N61S     | —        | —         |       |

| Electrode Size — inch (mm)  |          |          |          |          |          |          |          |          |       |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
| 7 Insulator (required)      | 54N63-20 | 54N63-20 | 54N63-20 |          | 54N63-20 |          | 54N63-20 |          |       |
| 8 Collet                    | 13N20L   | 13N21L   | 13N22L   |          | 13N23L   |          | 13N24L   |          |       |
| 9 Large Diameter Gas Lens   | 45V0204S | 45V0204S | 45V116S  |          | 45V64S   |          | 995795S  |          |       |
| Nozzle Size — size # (inch) | 3 (3/16) | 4 (1/4)  | 5 (5/16) | 6 (3/8)  | 7 (7/16) | 8 (1/2)  | 10 (5/8) | 12 (3/4) | Short |
| 10 Large Dia. Gas Lens      | —        | —        | —        | 57N75    | —        | 57N74    | 53N88    | 53N87    | 53N89 |
| * Large Dia. Gas Lens-L     | —        | —        | —        | 57N75L   | —        | 57N74L   | 53N88L   | 53N87L   | —     |
| * Large Dia. Gas Lens-XL    | —        | —        | —        | 57N75XL  | —        | 57N74XL  | 53N88XL  | 53N87XL  | —     |
| * Large Dia. Gas Lens-XXL   | —        | —        | —        | 57N75XXL | —        | 57N74XXL | 53N88XXL | 53N87XXL | —     |

### Back Caps

|                |                 |               |
|----------------|-----------------|---------------|
| 11 Short 41V33 | 12 Medium 41V35 | 13 Long 41V24 |
|----------------|-----------------|---------------|

\*Not shown.



# TIG TORCHES

## Weldcraft® W-310 Series

Formerly CS310

### Hand-Held Water-Cooled Service Parts/Consumables

| Models    |          | Braided Rubber  |               |                |
|-----------|----------|-----------------|---------------|----------------|
| Old Model | New Name | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 50 ft (15.2 m) |
| CS310A    | W-310    | CS310-12        | CS310-25      | CS310-50       |

*Torch packages include torch body, handle, power cable, long back cap, gas hose, water hose and cable cover.*

| Torch Bodies |                | Handles      |               |
|--------------|----------------|--------------|---------------|
| W-310        | CS310A         | D-Handle     | CS110-H       |
| Power Cables |                |              |               |
|              | Braided        |              |               |
|              | 12.5 ft (3.8m) | 25 ft (7.6m) | 50 ft (15.2m) |
| Power Cable  | 269764         | 269765       | CS310-50PC    |
| Water Hose   | CS310-12W      | CS310-25W    | CS310-50W     |
| Gas Hose     | CS310-12G      | CS310-25G    | CS310-50G     |

#### #AK4C Accessory Kit

Includes one long back cap, three collets (one collet per size: 1/16, 3/32, 1/8), three collet bodies (one collet body per size: 1/16, 3/32, 1/8), three alumina nozzles (one nozzle per size: 5, 6, 7), and three 7-inch 2% ceriated tungsten electrodes (one electrode per size: 1/16, 3/32, 1/8).



W-310  
(CS310A)

#### Cable Covers

#WC-3-10 10 ft (3 m)  
#WC-3-22 22 ft (6.7 m)  
#WC-3-48 48 ft (14.6 m)



#### Extension Kit

#EK-1-25-R 25 ft (7.6 m), Rubber

## Consumables

### Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|---------|------------|---------|------------|---------|------------|----------|-----------|
| 1 Insulator (required)      | 598882     |         | 598882     |         | 598882     |         | 598882     |          | 598882    |
| 2 Collet                    | 13N20      |         | 13N21      |         | 13N22      |         | 13N23      |          | 13N24     |
| 3 Collet Body               | 13N25      |         | 13N26      |         | 13N27      |         | 13N28      |          | 13N29     |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 4 Alumina                   | —          | 13N08   | 13N09      | 13N10   | 13N11      | 13N12   | 13N13      | —        | —         |
| * Lava                      | —          | 13N14   | 13N15      | 13N16   | 13N17      | 13N18   | 13N19      | —        | —         |
| * Long Lava                 | 796F70     | 796F71  | 796F72     | 796F73  | —          | —       | —          | —        | —         |
| * X-Long Lava               | 796F74     | 796F75  | 796F76     | 796F77  | —          | —       | —          | —        | —         |

### Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|---------|------------|---------|------------|---------|------------|----------|-----------|
| 1 Insulator (required)      | 598882     |         | 598882     |         | 598882     |         | 598882     |          | 598882    |
| 2 Collet                    | 13N20      |         | 13N21      |         | 13N22      |         | 13N23      |          | 13N24     |
| 5 Gas Lens                  | 45V41      |         | 45V42      |         | 45V43      |         | 45V44      |          | 45V45     |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 6 Alumina Gas Lens          | —          | 53N58   | 53N59      | 53N60   | 53N61      | 53N61S  | —          | —        | —         |

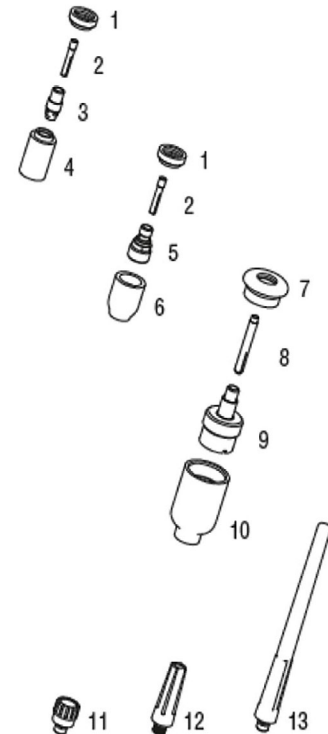
### Large Diameter Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |  |
|-----------------------------|------------|---------|------------|----------|------------|----------|------------|----------|-----------|--|
| 7 Insulator (required)      | 54N63-20   |         | 54N63-20   |          | 54N63-20   |          | 54N63-20   |          | 54N63-20  |  |
| 8 Collet                    | 13N20L     |         | 13N21L     |          | 13N22L     |          | 13N23L     |          | 13N24L    |  |
| 9 Large Diameter Gas Lens   | 45V0204S   |         | 45V0204S   |          | 45V116S    |          | 45V64S     |          | 995795S   |  |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8)  | 7 (7/16)   | 8 (1/2)  | 10 (5/8)   | 12 (3/4) | Short     |  |
| 10 Large Dia. Gas Lens      | —          | —       | —          | 57N75    | —          | 57N74    | 53N88      | 53N87    | 53N89     |  |
| * Large Dia. Gas Lens-L     | —          | —       | —          | 57N75L   | —          | 57N74L   | 53N88L     | 53N87L   | —         |  |
| * Large Dia. Gas Lens-XL    | —          | —       | —          | 57N75XL  | —          | 57N74XL  | 53N88XL    | 53N87XL  | —         |  |
| * Large Dia. Gas Lens-XXL   | —          | —       | —          | 57N75XXL | —          | 57N74XXL | 53N88XXL   | 53N87XXL | —         |  |

### Back Caps

11 Short CS110-BCS 12 Medium 41V35 13 Long 41V24

\*Not shown.





## Weldcraft® W-350 Series

Formerly WP-18 Series

Hand-Held Water-Cooled  
Service Parts/Consumables



W-350  
(WP-18)

Additional Torch Models



Note: Torches delivered may vary slightly from images shown.

| Models    |             | Rubber          |               | Vinyl           |               |
|-----------|-------------|-----------------|---------------|-----------------|---------------|
| Old Model | New Name    | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| WP-18     | W-350       | WP-18-12-R      | WP-18-25-R    | WP-18-12        | WP-18-25      |
| WP-18V    | W-350 Valve | —               | WP-18V-25-R   | —               | WP-18V-25     |

V= Valve

Torch packages include torch body, handle, power cable, long back cap, gas hose and water hose.

| Torch Bodies |        | Valves | Handles |        |
|--------------|--------|--------|---------|--------|
| W-350        | WP-18  | —      | Ribbed  | H-200R |
| W-350 Valve  | WP-18V | VS-1   | Knurled | H-200  |

### Power Cables

|             | Vinyl           |               | Rubber (PC)     | Braided (G&W) |
|-------------|-----------------|---------------|-----------------|---------------|
|             | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| Power Cable | 40V64           | 41V29         | 40V64R          | 41V29R        |
| Water Hose  | 40V74           | 41V32         | 40V74R          | 41V32R        |
| Gas Hose    | 40V75           | 41V30         | 40V75R18        | 41V30R18      |



### #AK3GL Gas Lens Accessory Kit

For A-150, A-200 and A-250. Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, and 7-inch 2% ceriated tungsten electrode.



### #MAK-2S Accessory Kit

For W-350 Series. Includes one short and one long back cap, four back cap o-rings, two cup gaskets, one gas lens insulator, and one of each size (.040, 1/16, 3/32, 1/8 inch) gas lens. Also includes the following: ten collets (1) .040, (3) 1/16, (3) 3/32, (2) 1/8, (1) 5/32; and eight collet bodies (1) .040, (2) 1/16, (2) 3/32, (2) 1/8, (1) 5/32.



### #AK3C Accessory Kit

Includes one short back cap, three collets (one collet per size: 1/16, 3/32, 1/8), three collet bodies (one collet body per size: 1/16, 3/32, 1/8), three alumina nozzles (one nozzle per size: 5, 6, 7), and three 7-inch 2% ceriated tungsten electrodes (one electrode per size: 1/16, 3/32, 1/8).



### Cable Covers

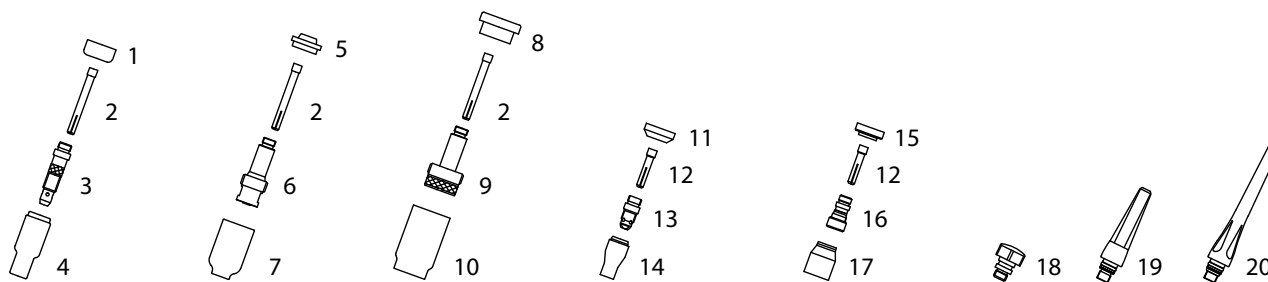
#WC-3-10 10 ft (3 m)  
#WC-3-22 22 ft (6.7 m)

### Extension Kit

#EK-1-25-R 25 ft (7.6 m), Rubber



# TIG TORCHES



## Consumables

### Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|------------|
| 1 Insulator (required)      | 18CG       | 18CG       |         | 18CG       |         | 18CG       |          | 18CG      | 18CG       |
| 2 Collet                    | 10N21      | 10N22      |         | 10N23      |         | 10N24      |          | 10N25     | 54N20      |
| 3 Collet Body               | 10N29      | 10N30      |         | 10N31      |         | 10N32      |          | 10N28     | 406488     |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |            |
| 4 Alumina                   | 10N50      | 10N49      | 10N48   | 10N47      | 10N46   | 10N45      | 10N44    | —         |            |
| * Long Alumina              | —          | 10N49L     | 10N48L  | 10N47L     | —       | —          | —        | —         |            |
| * Lava                      | 105Z43     | 105Z42     | 105Z44  | 105Z45     | 08N78   | 08N79      | 08N80    | —         |            |
| * Long Lava                 | 12N03      | 105Z60     | 12N02   | 105Z61     | —       | —          | —        | —         |            |

### Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|------------|
| 5 Insulator (required)      | 54N01      | 54N01      |         | 54N01      |         | 54N01      |          | 54N01     | 54N01      |
| 2 Collet                    | 10N21      | 10N22      |         | 10N23      |         | 10N24      |          | 10N25     | 54N20      |
| 6 Gas Lens                  | 45V29      | 45V24      |         | 45V25      |         | 45V26      |          | 45V27     | 45V28      |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |            |
| 7 Alumina Gas Lens          | 54N18      | 54N17      | 54N16   | 54N15      | 54N14   | —          | —        | 54N19     |            |
| * Long Gas Lens             | —          | 54N17L     | 54N16L  | 54N15L     | 54N14L  | —          | —        | —         |            |

### Large Diameter Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|------------|----------|------------|----------|------------|----------|-----------|------------|
| 8 Insulator (required)      | 54N63      | 54N63      |          | 54N63      |          | 54N63      |          | 54N63     | 54N63      |
| 2 Collet                    | 10N21      | 10N22      |          | 10N23      |          | 10N24      |          | 10N25     | 54N20      |
| 9 Large Diameter Gas Lens   | 45V0204    | 45V0204    |          | 45V116     |          | 45V64      |          | 995795    | 45V63      |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8)  | 7 (7/16)   | 8 (1/2)  | 10 (5/8)   | 12 (3/4) | Short     |            |
| 10 Large Dia. Gas Lens      | —          | —          | 57N75    | —          | 57N74    | 53N88      | 53N87    | 53N89     |            |
| * Large Dia. Gas Lens-L     | —          | —          | 57N75L   | —          | 57N74L   | 53N88L     | 53N87L   | —         |            |
| * Large Dia. Gas Lens-XL    | —          | —          | 57N75XL  | —          | 57N74XL  | 53N88XL    | 53N87XL  | —         |            |
| * Large Dia. Gas Lens-XXL   | —          | —          | 57N75XXL | —          | 57N74XXL | 53N88XXL   | 53N87XXL | —         |            |

### Stubby Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|
| 11 Insulator (required)     | 18CG20     | 18CG20     |         | 18CG20     |         | 18CG20     |          | 18CG20    |
| 12 Stubby Collet            | —          | 10N22S     |         | 10N23S     |         | 10N24S     |          | 10N25S    |
| 13 Stubby Body Collet       | 17CB20     | 17CB20     |         | 17CB20     |         | 17CB20     |          | 17CB20    |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 14 Stubby Alumina           | 13N08      | 13N09      | 13N10   | 13N11      | 13N12   | 13N13      | —        | —         |

### Stubby Gas Lens

|                             |            |            |         |            |         |            |          |           |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|
| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
| 15 Insulator (required)     | 17GLG20    | 17GLG20    |         | 17GLG20    |         | 17GLG20    |          | 17GLG20   |
| 12 Stubby Collet            | —          | 10N22S     |         | 10N23S     |         | 10N24S     |          | 10N25S    |
| 16 Stubby Gas Lens          | —          | 17GL040    |         | 17GL118    |         | 17GL332    |          | 17GL18    |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 17 Alumina Gas Lens         | 53N58      | 53N59      | 53N60   | 53N61      | 53N61S  | —          | —        | —         |

### Back Caps

|                |                |               |
|----------------|----------------|---------------|
| 18 Short 57Y04 | 19 Medium 300M | 20 Long 57Y02 |
|----------------|----------------|---------------|

\*Not shown.



# Weldcraft® W-375 Series

## Hand-Held Water-Cooled Service Parts/Consumables

|                   | Braided Rubber |            | Braided Rubber with 50 mm Dinse |
|-------------------|----------------|------------|---------------------------------|
| New Name          | 12.5 (3.8 m)   | 25 (7.6 m) | 25 (7.6 m)                      |
| W-375 Super Cool™ | 301253012      | 301253025  | 301253001*                      |

Torch packages include torch body, handle, power cable, long back cap, gas hose, water hose and cable cover.  
\*Cable cover included.

| Hose Part # | Description                        |
|-------------|------------------------------------|
| 269766      | Water Hose 14 ft (4.2m), Braided   |
| 269767      | Water Hose 26.5 ft (8.0m), Braided |
| 269770      | Gas Hose 13.25 ft (4.0m) Braided   |
| 269771      | Gas Hose 25.75 ft (7.8m) Braided   |
| 269764      | Power Cable, 12.5 ft (3.8m)        |
| 269765      | Power Cable, 25.0 ft (7.6m)        |

### #AK4C Accessory Kit

Includes one long back cap, three collets (one collet per size: 1/16, 3/32, 1/8), three collet bodies (one collet body per size: 1/16, 3/32, 1/8), three alumina nozzles (one nozzle per size: 5, 6, 7), and three 7-inch 2% ceriated tungsten electrodes (one electrode per size: 1/16, 3/32, 1/8).



### #AK4GL Gas Lens Accessory Kit

For W-200, W-225, W-250, W-280 and W-375. Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, and 7-inch 2% ceriated tungsten electrode.



W-375 Super Cool  
(Torch Body - 301253)

269335  
Handle

#WC0183 11.75 ft (3.6 m)  
for use with 301253012

#WC0182 24.25 ft (7.4 m)  
for use with 301253025  
and 301253001

Extension Kit  
#EK-1-25-R 25 ft (7.6 m), rubber



## Consumables

### Non-Gas Lens

| Electrode Size — inch (mm)  | .020 (0.5) | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |       |
|-----------------------------|------------|------------|----------|------------|----------|------------|----------|-----------|-------|
| 1 Insulator (required)      | 598882     | 598882     |          | 598882     |          | 598882     |          | 598882    |       |
| 2 Collet                    | 13N20      | 13N21      |          | 13N22      |          | 13N23      |          | 13N24     |       |
| 3 Collet Body               | 13N25      | 13N26      |          | 13N27      |          | 13N28      |          | 13N29     |       |
| Nozzle Size — size # (inch) | 3 (3/16)   | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short |
| 4 Alumina                   | —          | 13N08      | 13N09    | 13N10      | 13N11    | 13N12      | 13N13    | —         | —     |
| * Lava                      | —          | 13N14      | 13N15    | 13N16      | 13N17    | 13N18      | 13N19    | —         | —     |
| * Long Lava                 | 796F70     | 796F71     | 796F72   | 796F73     | —        | —          | —        | —         | —     |
| * X-Long Lava               | 796F74     | 796F75     | 796F76   | 796F77     | —        | —          | —        | —         | —     |

### Gas Lens

| Electrode Size — inch (mm)  | .020 (0.5) | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |       |
|-----------------------------|------------|------------|----------|------------|----------|------------|----------|-----------|-------|
| 1 Insulator (required)      | 598882     | 598882     |          | 598882     |          | 598882     |          | 598882    |       |
| 2 Collet                    | 13N20      | 13N21      |          | 13N22      |          | 13N23      |          | 13N24     |       |
| 5 Gas Lens                  | 45V41      | 45V42      |          | 45V43      |          | 45V44      |          | 45V45     |       |
| Nozzle Size — size # (inch) | 3 (3/16)   | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short |
| 6 Alumina Gas Lens          | —          | 53N58      | 53N59    | 53N60      | 53N61    | 53N61S     | —        | —         |       |

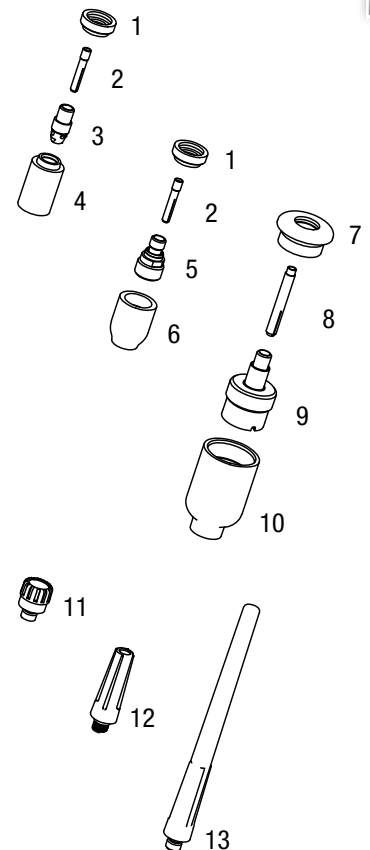
### Electrode Size — inch (mm)

|                             |          |          |          |          |          |          |          |          |       |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
| 7 Insulator (required)      | 54N63-20 | 54N63-20 | 54N63-20 | 54N63-20 | 54N63-20 | 54N63-20 |          |          |       |
| 8 Collet                    | 13N20L   | 13N21L   | 13N22L   | 13N23L   | 13N24L   |          |          |          |       |
| 9 Large Diameter Gas Lens   | 45V0204S | 45V0204S | 45V116S  | 45V64S   | 99S795S  |          |          |          |       |
| Nozzle Size — size # (inch) | 3 (3/16) | 4 (1/4)  | 5 (5/16) | 6 (3/8)  | 7 (7/16) | 8 (1/2)  | 10 (5/8) | 12 (3/4) | Short |
| 10 Large Dia. Gas Lens      | —        | —        | —        | 57N75    | —        | 57N74    | 53N88    | 53N87    | 53N89 |
| * Large Dia. Gas Lens-L     | —        | —        | —        | 57N75L   | —        | 57N74L   | 53N88L   | 53N87L   | —     |
| * Large Dia. Gas Lens-XL    | —        | —        | —        | 57N75XL  | —        | 57N74XL  | 53N88XL  | 53N87XL  | —     |
| * Large Dia. Gas Lens-XXL   | —        | —        | —        | 57N75XXL | —        | 57N74XXL | 53N88XXL | 53N87XXL | —     |

### Back Caps

|                |                 |               |
|----------------|-----------------|---------------|
| 11 Short 41V33 | 12 Medium 41V35 | 13 Long 41V24 |
|----------------|-----------------|---------------|

\*Not shown.



# TIG TORCHES

## Weldcraft® W-400 Super Cool

Formerly WP-18SC Series

Hand-Held Water-Cooled  
Service Parts/Consumables

| Models    |                   | Rubber          |               | Vinyl           |               |
|-----------|-------------------|-----------------|---------------|-----------------|---------------|
| Old Model | New Name          | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| WP-18SC   | W-400 Super Cool™ | WP-18SC-12-R    | WP-18SC-25-R  | WP-18SC-12      | WP-18SC-25    |

*Torch packages include torch body, handle, power cable, long back cap, gas hose and water hose.*

| Torch Body |         | Handle  |       |
|------------|---------|---------|-------|
| W-400      | WP-18SC | Knurled | H-200 |

| Power Cables and Hoses |                 |               |                 |               |
|------------------------|-----------------|---------------|-----------------|---------------|
|                        | Vinyl           |               | Braided Rubber  |               |
|                        | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| Power Cable            | 40V64           | 41V29         | 40V64R          | 41V29R        |
| Water Hose             | 40V74           | 41V32         | 40V74R          | 45V08RBB      |
| Gas Hose               | 40V75           | 41V30         | 40V75R18        | 41V30R18      |

**#AK18C Accessory Kit**  
Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, one of each size (3/32, 1/8 HD, 5/32 HD) collet, one of each size (.020–1/8 inch, 1/8–3/16 inch) collet body, and one of each size (3/32, 1/8, 5/32 inch) 7-inch 2% ceriated tungsten electrode.



**#AK3GL Gas Lens Accessory Kit**  
For A-150, A-200 and A-250. Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, and 7-inch 2% ceriated tungsten electrode.





W-400 Super Cool  
(WP-18SC)



**Cable Covers**  
#WC-3-10 10 ft (3 m)  
#WC-3-22 22 ft (6.7 m)

**Extension Kit**  
#EK-1-25-R 25 ft (7.6 m), Rubber

## Consumables

### Non-Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) | 1/16 (1.6) | 3/32 (2.4) | 1/8 (3.2) | 5/32 (4.0) | 3/16 (4.8) |          |       |
|-----------------------------|------------|------------|------------|-----------|------------|------------|----------|-------|
| 1 Insulator (required)      | 18NG       | 18NG       | 18NG       | 18NG      | 18NG       | 18NG       |          |       |
| 2 Collet                    | 10N22      | 10N23      | 10N24      | 10N25     | —          | —          |          |       |
| 3 Collet Body               | NCB-53     | NCB-53     | NCB-53     | NCB-53    | —          | —          |          |       |
| 4 Heavy-Duty Collet         | —          | —          | —          | 10N25HD   | 54N20HD    | 18C36      |          |       |
| 5 HD Nose Collet Body       | —          | —          | —          | NCB-36    | NCB-36     | NCB-36     |          |       |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8)    | 7 (7/16)  | 8 (1/2)    | 10 (5/8)   | 12 (3/4) | Short |
| 6 Alumina                   | 54N18      | 54N17      | 54N16      | 54N15     | 54N14      | —          | —        | 54N19 |
| * Long Alumina              | —          | 54N17L     | 54N16L     | 54N15L    | —          | —          | —        | —     |

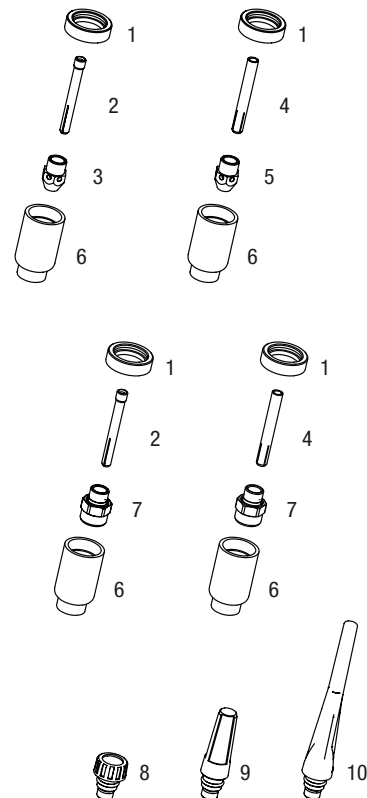
### Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) | 1/16 (1.6) | 3/32 (2.4) | 1/8 (3.2) | 5/32 (4.0) | 3/16 (4.8) |          |       |
|-----------------------------|------------|------------|------------|-----------|------------|------------|----------|-------|
| 1 Insulator (required)      | 18NG       | 18NG       | 18NG       | 18NG      | 18NG       | 18NG       |          |       |
| 2 Collet                    | 10N22      | 10N23      | 10N24      | 10N25     | —          | —          |          |       |
| 4 Heavy-Duty Collet         | —          | —          | —          | 10N25HD   | 54N20HD    | 18C36      |          |       |
| 7 Gas Lens                  | 18GL04     | 18GL16     | 18GL32     | 18GL18    | 18GL53     | 18GL36     |          |       |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8)    | 7 (7/16)  | 8 (1/2)    | 10 (5/8)   | 12 (3/4) | Short |
| 6 Alumina Gas Lens          | 54N18      | 54N17      | 54N16      | 54N15     | 54N14      | —          | —        | 54N19 |
| * Long Gas Lens             | —          | 54N17L     | 54N16L     | 54N15L    | —          | —          | —        | —     |

### Back Caps

|               |               |               |
|---------------|---------------|---------------|
| 8 Short 57Y04 | 9 Medium 300M | 10 Long 57Y02 |
|---------------|---------------|---------------|

\*Not shown.





## Weldcraft® Modular Series

### Hand-Held TIG Service Parts/Consumables

| Models    |               | Braided Rubber  |               | Vinyl         | Textured Handle |
|-----------|---------------|-----------------|---------------|---------------|-----------------|
| Old Model | New Name      | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 25 ft (7.6 m) | —               |
| WP-225    | W-225 Modular | WP-225-12-R     | WP-225-25-R   | WP-225-25     | 53N06           |

Torch packages include torch body, handle, power cable, gas hose, water hose and 1726 and 9-70 torch heads.

#### Power Cables and Hoses

|             | Vinyl           |               | Braided Rubber  |               |
|-------------|-----------------|---------------|-----------------|---------------|
|             | 12.5 ft (3.8 m) | 25 ft (7.6 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| Power Cable | 45V03HD         | 45V04HD       | 45V03RR         | 45V04RR       |
| Water Hose  | 45V07HD         | 45V08HD       | 45V07RBB        | 45V08RBB      |
| Gas Hose    | 45V09           | 45V10         | 45V09R          | 45V10R        |



**#AK-225MFC Accessory Kit**  
Supplements W-225 (WP-225) modular torch packages. Includes 5 additional torch heads, collet, collet bodies, nozzles, handle and more.



**Cable Covers**  
#WC-3-10 10 ft (3 m)  
#WC-3-22 22 ft (6.7 m)



W-225 Modular  
(WP-225)

**Type**  
Water-Cooled

**Rated Output**  
DC: 225 A, AC: 160 A

**Duty Cycle**  
100%

**Electrode Range**  
.020-5/32 in (0.5-4.0 mm)



| Torch Head | Angle | Electrode Range            | A-150 Modular* Amp Rating |     | A-200 Modular* Amp Rating |     | W-225 Modular** Amp Rating |     |
|------------|-------|----------------------------|---------------------------|-----|---------------------------|-----|----------------------------|-----|
|            |       |                            | DC                        | AC  | DC                        | AC  | DC                         | AC  |
| 24         | 70°   | .020-3/32 in. (0.5-2.4 mm) | 80                        | 50  | 80                        | 50  | 160                        | 115 |
| 24-90      | 90°   | .020-3/32 in. (0.5-2.4 mm) | 80                        | 50  | 80                        | 50  | 160                        | 115 |
| 9-70       | 70°   | .020-1/8 in. (0.5-3.2 mm)  | 125                       | 100 | 125                       | 100 | 200                        | 140 |
| 9-90       | 90°   | .020-1/8 in. (0.5-3.2 mm)  | 125                       | 100 | 125                       | 100 | 200                        | 140 |
| 9P         | 180°  | .020-1/8 in. (0.5-3.2 mm)  | 125                       | 100 | 125                       | 100 | 200                        | 140 |
| 1726       | 70°   | .020-5/32 in. (0.5-4.0 mm) | 150                       | 115 | 200                       | 140 | 225                        | 160 |
| 1726P      | 180°  | .020-5/32 in. (0.5-4.0 mm) | 150                       | 115 | 200                       | 140 | 225                        | 160 |

## TIG Torch Configurator

Our new TIG Torch Configurator is a simple way to make sure you are using the right torch and consumables for your application. Answer a few simple questions about your specific application and get a recommendation for the appropriate torch, tungsten, collet, collet body and more. Email or print the recommendation for reference when purchasing your next Weldcraft torch.

Choose Products

☐ Torches Only

☐ Consumables Only

☐ Both Torches and Consumables

Next

Work Material

☐ Mild Steel/Aluminum Steel

☐ Desulfurized Copper

☐ Titanium

☐ Magnesium

☐ Aluminum

Options Print

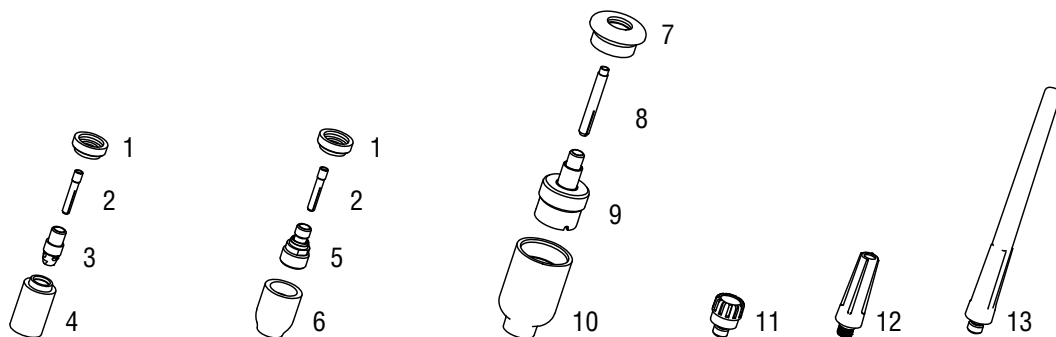
| Part Number | Description                               | Quantity |
|-------------|-------------------------------------------|----------|
| WP225R25    | 25' Braided Tungsten (3/32" dia.)         | 1        |
| 54N03       | Large Diameter CL Insulator               | 1        |
| 53N88XSL    | #50 Large Dia. CL Aluminum Nozzle XXXLarg | 1        |
| 10N24       | Collet for 3/32" dia. Tungsten            | 1        |
| 40N61       | Large Gas Lens for 3/32" dia. Tungsten    | 1        |
| 300H        | Medium Braid Cap                          | 1        |

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# TIG TORCHES

## 9-70, 9-90 and 9P Modular Series Consumables



### Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|---------|------------|---------|------------|---------|------------|----------|-----------|
| 1 Insulator (required)      | 598882     |         | 598882     |         | 598882     |         | 598882     |          | 598882    |
| 2 Collet                    | 13N20      |         | 13N21      |         | 13N22      |         | 13N23      |          | 13N24     |
| 3 Collet Body               | 13N25      |         | 13N26      |         | 13N27      |         | 13N28      |          | 13N29     |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 4 Alumina                   | —          | 13N08   | 13N09      | 13N10   | 13N11      | 13N12   | 13N13      | —        | —         |
| * Lava                      | —          | 13N14   | 13N15      | 13N16   | 13N17      | 13N18   | 13N19      | —        | —         |
| * Long Lava                 | 796F70     | 796F71  | 796F72     | 796F73  | —          | —       | —          | —        | —         |
| * X-Long Lava               | 796F74     | 796F75  | 796F76     | 796F77  | —          | —       | —          | —        | —         |

### Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|---------|------------|---------|------------|---------|------------|----------|-----------|
| 1 Insulator (required)      | 598882     |         | 598882     |         | 598882     |         | 598882     |          | 598882    |
| 2 Collet                    | 13N20      |         | 13N21      |         | 13N22      |         | 13N23      |          | 13N24     |
| 5 Gas Lens                  | 45V41      |         | 45V42      |         | 45V43      |         | 45V44      |          | 45V45     |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 6 Alumina Gas Lens          | —          | 53N58   | 53N59      | 53N60   | 53N61      | 53N61S  | —          | —        | —         |

### Large Diameter Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) |         | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|---------|------------|----------|------------|----------|------------|----------|-----------|
| 7 Insulator (required)      | 54N63-20   |         | 54N63-20   |          | 54N63-20   |          | 54N63-20   |          | 54N63-20  |
| 8 Collet                    | 13N20L     |         | 13N21L     |          | 13N22L     |          | 13N23L     |          | 13N24L    |
| 9 Large Diameter Gas Lens   | 45V0204S   |         | 45V0204S   |          | 45V116S    |          | 45V64S     |          | 995795S   |
| Nozzle Size - size # (inch) | 3 (3/16)   | 4 (1/4) | 5 (5/16)   | 6 (3/8)  | 7 (7/16)   | 8 (1/2)  | 10 (5/8)   | 12 (3/4) | Short     |
| 10 Large Dia. Gas Lens      | —          | —       | —          | 57N75    | —          | 57N74    | 53N88      | 53N87    | 53N89     |
| * Large Dia. Gas Lens-L     | —          | —       | —          | 57N75L   | —          | 57N74L   | 53N88L     | 53N87L   | —         |
| * Large Dia. Gas Lens-XL    | —          | —       | —          | 57N75XL  | —          | 57N74XL  | 53N88XL    | 53N87XL  | —         |
| * Large Dia. Gas Lens-XXL   | —          | —       | —          | 57N75XXL | —          | 57N74XXL | 53N88XXL   | 53N87XXL | —         |

### Back Caps

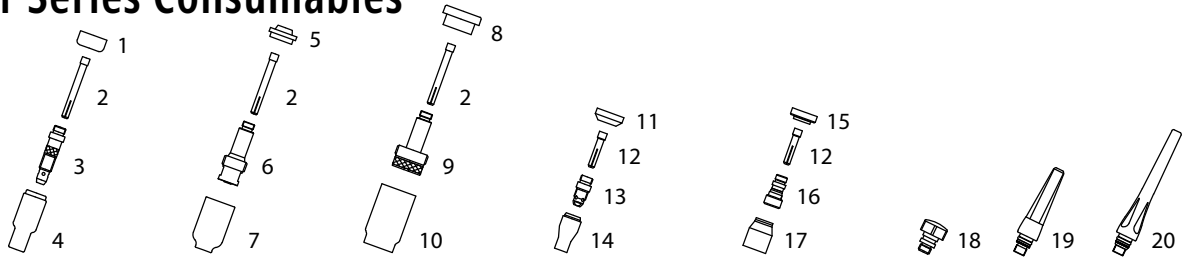
11 Short 41V33      12 Medium 41V35      13 Long 41V24

\*Not shown.





## 1726 and 1726P Torch Head Modular Series Consumables



### Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|------------|
| 1 Insulator (required)      | 18CG       | 18CG       |         | 18CG       |         | 18CG       |          | 18CG      | 18CG       |
| 2 Collet                    | 10N21      | 10N22      |         | 10N23      |         | 10N24      |          | 10N25     | 54N20      |
| 3 Collet Body               | 10N29      | 10N30      |         | 10N31      |         | 10N32      |          | 10N28     | 406488     |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |            |
| 4 Alumina                   | 10N50      | 10N49      | 10N48   | 10N47      | 10N46   | 10N45      | 10N44    | —         |            |
| * Long Alumina              | —          | 10N49L     | 10N48L  | 10N47L     | —       | —          | —        | —         |            |
| * Lava                      | 10S243     | 10S242     | 10S244  | 10S245     | 08N78   | 08N79      | 08N80    | —         |            |
| * Long Lava                 | 12N03      | 10S260     | 12N02   | 10S261     | —       | —          | —        | —         |            |

### Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|------------|
| 5 Insulator (required)      | 54N01      | 54N01      |         | 54N01      |         | 54N01      |          | 54N01     | 54N01      |
| 2 Collet                    | 10N21      | 10N22      |         | 10N23      |         | 10N24      |          | 10N25     | 54N20      |
| 6 Gas Lens                  | 45V29      | 45V24      |         | 45V25      |         | 45V26      |          | 45V27     | 45V28      |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |            |
| 7 Alumina Gas Lens          | 54N18      | 54N17      | 54N16   | 54N15      | 54N14   | —          | —        | 54N19     |            |
| * Long Gas Lens             | —          | 54N17L     | 54N16L  | 54N15      | 54N14L  | —          | —        | —         |            |

### Large Diameter Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) | 5/32 (4.0) |
|-----------------------------|------------|------------|----------|------------|----------|------------|----------|-----------|------------|
| 8 Insulator (required)      | 54N63      | 54N63      |          | 54N63      |          | 54N63      |          | 54N63     | 54N63      |
| 2 Collet                    | 10N21      | 10N22      |          | 10N23      |          | 10N24      |          | 10N25     | 54N20      |
| 9 Large Diameter Gas Lens   | 45V0204    | 45V0204    |          | 45V116     |          | 45V64      |          | 995795    | 45V63      |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8)  | 7 (7/16)   | 8 (1/2)  | 10 (5/8)   | 12 (3/4) | Short     |            |
| 10 Large Dia. Gas Lens      | —          | —          | 57N 75   | —          | 57N74    | 53N88      | 53N87    | 53N89     |            |
| * Large Dia. Gas Lens-L     | —          | —          | 57N75L   | —          | 57N74L   | 53N88L     | 53N87L   | —         |            |
| * Large Dia. Gas Lens-XL    | —          | —          | 57N75XL  | —          | 57N74XL  | 53N88XL    | 53N87XL  | —         |            |
| * Large Dia. Gas Lens-XXL   | —          | —          | 57N75XXL | —          | 57N74XXL | 53N88XXL   | 53N87XXL | —         |            |

### Stubby Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|
| 11 Insulator (required)     | 18CG20     | 18CG20     |         | 18CG20     |         | 18CG20     |          | 18CG20    |
| 12 Stubby Collet            | —          | 10N22S     |         | 10N23S     |         | 10N24S     |          | 10N25S    |
| 13 Stubby Body Collet       | 17CB20     | 17CB20     |         | 17CB20     |         | 17CB20     |          | 17CB20    |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 14 Stubby Alumina           | 13N08      | 13N09      | 13N10   | 13N11      | 13N12   | 13N13      | —        | —         |

### Stubby Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) |         | 1/16 (1.6) |         | 3/32 (2.4) |          | 1/8 (3.2) |
|-----------------------------|------------|------------|---------|------------|---------|------------|----------|-----------|
| 15 Insulator (required)     | 17GLG20    | 17GLG20    |         | 17GLG20    |         | 17GLG20    |          | 17GLG20   |
| 12 Stubby Collet            | —          | 10N22S     |         | 10N23S     |         | 10N24S     |          | 10N25S    |
| 16 Stubby Gas Lens          | —          | 17GL040    |         | 17GL118    |         | 17GL332    |          | 17GL18    |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8) | 7 (7/16)   | 8 (1/2) | 10 (5/8)   | 12 (3/4) | Short     |
| 17 Alumina Gas Lens         | 53N58      | 53N59      | 53N60   | 53N61      | 53N61S  | —          | —        | —         |

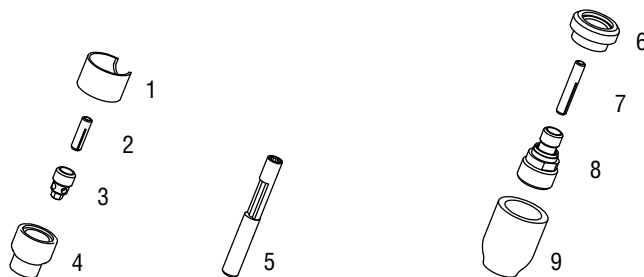
### Back Caps

|                |                |               |
|----------------|----------------|---------------|
| 18 Short 57Y04 | 19 Medium 300M | 20 Long 57Y02 |
|----------------|----------------|---------------|

\*Not shown.

# TIG TORCHES

## 24 and 24-90 Torch Head Modular Series Consumables



### Non-Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) | 1/16 (1.6) | 3/32 (2.4) |
|-----------------------------|------------|------------|------------|------------|
| 1 Insulator (required)      | 53N22      | 53N22      | 53N22      | 53N22      |
| 2 Collet                    | 53N15      | 53N16      | 53N14      | 24C332     |
| 3 Collet Body               | 53N17      | 53N18      | 53N19      | 24CB332    |
| Nozzle Size - size # (inch) | .165       | 4 (1/4)    | 5 (5/16)   | 6 (3/8)    |
| 4 Alumina                   | —          | A53N24     | A53N25     | A53N27     |
| * Lava                      | 53N23      | 53N24      | 53N25      | 53N27      |
| * Long Lava                 | —          | 53N28      | —          | 53N26      |

### Collet Body Wrench

5 53N20

### Gas Lens

| Electrode Size - inch (mm)  | .020 (0.5) | .040 (1.0) | 1/16 (1.6) |          | 3/32 (2.4) |
|-----------------------------|------------|------------|------------|----------|------------|
| 6 Insulator (required)      | 53N66      | 53N66      | 53N66      |          | 53N66      |
| 7 Collet                    | 53N62      | 53N63      | 53N64      |          | 24GLC332   |
| 8 Gas Lens                  | 45V41      | 45V42      | 45V43      |          | 45V44      |
| Nozzle Size - size # (inch) | 4 (1/4)    | 5 (5/16)   | 6 (3/8)    | 7 (7/16) | 8 (1/2)    |
| 9 Alumina Gas Lens          | 53N58      | 53N59      | 53N60      | 53N61    | 53N61S     |

\*Not shown.

## Weldcraft® Automation Series

## Machine-Held TIG Welding Torches

### A-150 Automation Torch Packages

| Models    |                  | 1-Piece Power Cable<br>Rubber |               | 2-Piece Power Cable<br>Rubber |
|-----------|------------------|-------------------------------|---------------|-------------------------------|
| Old Model | New Name         | 12.5 ft (3.8 m)               | 25 ft (7.6 m) | 12.5 ft (3.8 m)               |
| WP-23A    | A-150 Automation | WP-23A-12-R                   | WP-23A-25-R   | WP-23A-12-2                   |

Torch packages include torch body and power cable.

### W-250 Automation Torch Packages

| Models    |                  | Rubber        | Vinyl        |              |                 |               |
|-----------|------------------|---------------|--------------|--------------|-----------------|---------------|
| Old Model | New Name         | 25 ft (7.6 m) | 3 ft (0.9 m) | 6 ft (1.8 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| WP-22A    | W-250 Automation | WP-22A-25-R   | WP-22A-3     | WP-22A-6     | WP-22A-12       | WP-22A-25     |

Torch packages include torch body, handle, power cable, long back cap, gas hose and water hose.

### W-500 Series Automation Torch Packages

| Models    |                   | Rubber       |                 |               |
|-----------|-------------------|--------------|-----------------|---------------|
| Old Model | New Name          | 3 ft (0.9 m) | 12.5 ft (3.8 m) | 25 ft (7.6 m) |
| WP-27A    | W-500A Automation | WP-27A-3     | WP-27A-12       | WP-27A-25     |
| WP-27B    | W-500B Automation | WP-27B-3     | WP-27B-12       | WP-27B-25     |

Torch packages include torch body, power cable, gas hose and water hose. 3-foot cable packages also include bracket assembly.



## Consumables For A-150/W-250 Automation

Non-Gas Lens

| Electrode Size - inch (mm)            | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |       |
|---------------------------------------|------------|----------|------------|----------|------------|----------|-----------|-------|
| 1 Insulator (required)                | 22-10      |          | 22-10      |          | 22-10      |          | 22-10     |       |
| 2 Collet & Tube Assembly (WP-22A/23A) | 22N21A     |          | 22N22A     |          | 22N23A     |          | 22N24A    |       |
| 3 Collet Body                         | 13N26      |          | 13N27      |          | 13N28      |          | 13N29     |       |
| Nozzle Size - size # (inch)           | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short |
| 4 Alumina                             | 13N08      | 13N09    | 13N10      | 13N11    | 13N12      | 13N13    | —         | —     |
| * Lava                                | 13N14      | 13N15    | 13N16      | 13N17    | 13N18      | 13N19    | —         | —     |
| * Long Lava                           | 796F71     | 796F72   | 796F73     | —        | —          | —        | —         | —     |
| * X-Long Lava                         | 796F75     | 796F76   | 796F77     | —        | —          | —        | —         | —     |

Gas Lens

| Electrode Size - inch (mm)            | .040 (1.0) |          | 1/16 (1.6) |          | 3/32 (2.4) |          | 1/8 (3.2) |       |
|---------------------------------------|------------|----------|------------|----------|------------|----------|-----------|-------|
| 1 Insulator (required)                | 22-10      |          | 22-10      |          | 22-10      |          | 22-10     |       |
| 2 Collet & Tube Assembly (WP-22A/23A) | 22N21A     |          | 22N22A     |          | 22N23A     |          | 22N24A    |       |
| 5 Gas Lens                            | 45V42      |          | 45V43      |          | 45V44      |          | 45V45     |       |
| Nozzle Size - size # (inch)           | 4 (1/4)    | 5 (5/16) | 6 (3/8)    | 7 (7/16) | 8 (1/2)    | 10 (5/8) | 12 (3/4)  | Short |
| 6 Alumina Gas Lens                    | 53N58      | 53N59    | 53N60      | 53N61    | 53N61S     | —        | —         | —     |

Knob

\*22-7

## Consumables For W-500 Automation

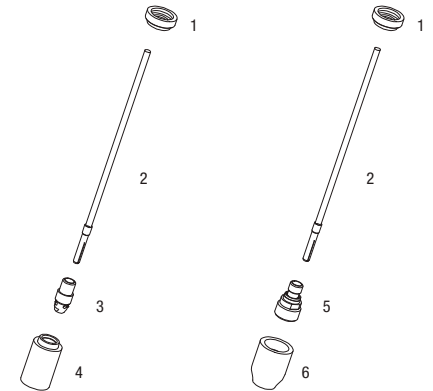
Non-Gas Lens

| Electrode Size - inch (mm)  | .040 (1.0) | 1/16 (1.6) | 3/32 (2.4) | 1/8 (3.2) | 5/32 (4.0) | 3/16 (4.8) | 1/4 (6.4) |       |
|-----------------------------|------------|------------|------------|-----------|------------|------------|-----------|-------|
| 1 Collet                    | —          | 10N22      |            | 10N23     |            | 10N24      |           |       |
| 2 Gas Lens                  | —          | 10N30      |            | 10N31     |            | 10N32      |           |       |
| Nozzle Size - size # (inch) | 6 (3/8)    |            | 8 (1/2)    |           | 10 (5/8)   |            | 12 (3/4)  | Short |
| 3 Large Dia. Gas Lens       | 57N75      |            | 57N74      |           | 53N88      |            | 53N87     | 53N89 |
| * Large Dia. Gas Lens-L     | 57N75L     |            | 57N74L     |           | 53N88L     |            | 53N87L    | —     |
| * Large Dia. Gas Lens-XL    | 57N75XL    |            | 57N74XL    |           | 53N88XL    |            | 53N87XL   | —     |
| * Large Dia. Gas Lens-XXL   | 57N75XXL   |            | 57N74XXL   |           | 53N88XXL   |            | 53N87XXL  | —     |

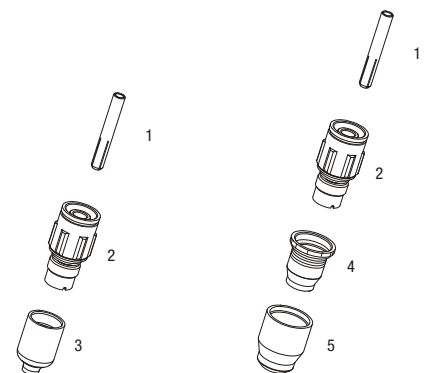
Gas Lens - Metal Nozzle Setup

| Electrode Size - inch (mm)        | .040 (1.0) | 1/16 (1.6) | 3/32 (2.4) | 1/8 (3.2) | 5/32 (4.0) | 3/16 (4.8) | 1/4 (6.4) |       |
|-----------------------------------|------------|------------|------------|-----------|------------|------------|-----------|-------|
| 1 Collet                          | —          | 57N46      | 57N47      | 57N48     | 57N49      | 57N50      | 57N51     |       |
| 2 Gas Lens                        | —          | 49V23      | 49V24      | 49V25     | 49V26      | 49V27      | 49V28     |       |
| 4 Metal Nozzle Adapter (required) | 57N76      | 57N76      | 57N76      | 57N76     | 57N76      | 57N76      | 57N76     |       |
| Nozzle Size - size # (inch)       | 6 (3/8)    |            | 8 (1/2)    |           | 10 (5/8)   |            | 12 (3/4)  | Short |
| 5 Metal                           | —          |            | —          |           | 57N78      |            | —         | —     |

\*Not shown.



Consumables for A-150/W-250 Automation



Consumables for W-500 Automation

# TIG TORCHES

## Weldcraft® TIG Torch Accessories

### GL Kits (Gas Lens Kits)

Gas lenses improve the gas coverage of the tungsten during the TIG welding process. They can save you time and money by increasing your weld quality while using less gas. GL Kits provide three different-sized gas lenses and consumables in each kit to work with a variety of different applications.



#### AK3GL

For A-150, A-200 and A-250. Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, and 7-inch 2% ceriated tungsten electrode.



#### AK4GL

For W-200, W-225, W-250, W-280 and W-375. Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: gas lens, collet, and 7-inch 2% ceriated tungsten electrode.



#### AK4C

For W-250 Series, W-280 Super Cool, W-375 Super Cool and W-410. Includes one long back cap, one of each size (#5, #6, #7) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode.



#### AK18C

For W-400 Super Cool. Includes one short back cap, one of each size (#6, #7, #8) alumina nozzle, one of each size (3/32, 1/8 HD, 5/32 HD) collet, one of each size (.020–1/8 inch, 1/8–3/16 inch) collet body, and one of each size (3/32, 1/8, 5/32 inch) 7-inch 2% ceriated tungsten electrode.



#### AK125C

For W-125 Micro Series. Includes one of each size (180°, 45°, 90°, 90° short) glass nozzle, and one of each size (.040, 1/16 inch) of the following: 180-degree chuck, 45-degree chuck, 90-degree chuck, and 7-inch 2% ceriated tungsten electrode.

### AK Kits (Accessory Kits)

AK consumables kits provide a set of different consumables for Weldcraft torches to tackle a variety of different applications. Kits include nozzles, collets, collet bodies, tungsten and back caps.



#### AK1C

For A-125 Series. Includes one long back cap, one of each size (#4, #5, #6) alumina nozzle, and one of each size (.040, 1/16 inch) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode.



#### AK2C

For A-150 Series. Includes one short back cap, one of each size (#4, #5, #6) alumina nozzle, and one of each size (.040, 1/16, 3/32 inch) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode.



#### AK3C

For A-200 Series, A-250 Series and W-350 Series. Includes one short back cap, one of each size (#5, #6, #8) alumina nozzle, and one of each size (1/16, 3/32, 1/8 inch) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode.



#### AK-150MFC

For A-125 Series, A-150 Series and A-150 Modular Series. Allows welding operators to customize their standard A-150 (WP-17) or A-125 (WP-9) TIG torch for their specific application. Kit converts into 28 different torch styles while using the A-150 and A-125 existing cable. Features collets, collet bodies, nozzles, torch heads, handle and more.



#### AK-225MFC

For W-225 Modular. Includes five additional torch heads, collets, collet bodies, nozzles, handle and more.



#### MAK-2S

For W-350 Series. Includes one short and one long back cap, four back cap o-rings, two cup gaskets, one gas lens insulator, and one of each size (.040, 1/16, 3/32, 1/8 inch) gas lens. Also includes the following: ten collets (1) .040, (3) 1/16, (3) 3/32, (2) 1/8, (1) 5/32; and eight collet bodies (1) .040, (2) 1/16, (2) 3/32, (2) 1/8, (1) 5/32.



## Weldcraft® TIG Torch Accessories

### Tungsten for the most demanding TIG welding applications!

Available in four types and industry-standard diameters, our line of Weldcraft™ tungsten electrodes has undergone rigorous testing to ensure the highest quality and durability. Color-coded packages include ten 7-inch (175 mm) tungsten electrodes.

*Note: Refer to manufacturer SDS sheets for proper preparation and safety. Use proper ventilation/capture during preparation. Refer to manufacturer warning regarding ventilation.*



| Type                                                                                                                    | Diameter (in. (mm)) | Part #  |
|-------------------------------------------------------------------------------------------------------------------------|---------------------|---------|
| <b>2% Ceriated (EWCE-2)</b>                                                                                             |                     |         |
| Performs well in DC welding and arc starting at low-current settings, and offers excellent performance in AC processes. | 0.040 (1.0)         | WC040X7 |
|                                                                                                                         | 1/16 (1.6)          | WC116X7 |
|                                                                                                                         | 3/32 (2.4)          | WC332X7 |
|                                                                                                                         | 1/8 (3.2)           | WC018X7 |
|                                                                                                                         | 5/32 (4.0)          | WC532X7 |

| Type                                                                                                                                       | Diameter (in. (mm)) | Part #   |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------|
| <b>2% Lanthanated (EWLa-2)</b>                                                                                                             |                     |          |
| Provides excellent arc starting, arc stability and re-ignition, and less tip erosion in AC or DC welding. Can substitute for 2% Thoriated. | 0.040 (1.0)         | WL2040X7 |
|                                                                                                                                            | 1/16 (1.6)          | WL2116X7 |
|                                                                                                                                            | 3/32 (2.4)          | WL2332X7 |
|                                                                                                                                            | 1/8 (3.2)           | WL2018X7 |
|                                                                                                                                            | 5/32 (4.0)          | WL2532X7 |

| Type                                                                                                                                         | Diameter (in. (mm)) | Part #  |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------|
| <b>Pure (EWP)</b>                                                                                                                            |                     |         |
| Forms a clean, balled end when heated and provides good arc stability for AC welding with a balanced or unbalanced square wave or sine wave. | 0.040 (1.0)         | —       |
|                                                                                                                                              | 1/16 (1.6)          | WP116X7 |
|                                                                                                                                              | 3/32 (2.4)          | WP332X7 |
|                                                                                                                                              | 1/8 (3.2)           | WP018X7 |
|                                                                                                                                              | 5/32 (4.0)          | —       |

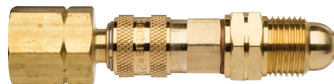
| Type                                                                                                                    | Diameter (in. (mm)) | Part #  |
|-------------------------------------------------------------------------------------------------------------------------|---------------------|---------|
| <b>Rare Earth (EWG)</b>                                                                                                 |                     |         |
| Performs well in DC welding and arc starting at low-current settings, and offers excellent performance in AC processes. | 0.040 (1.0)         | —       |
|                                                                                                                         | 1/16 (1.6)          | WG116X7 |
|                                                                                                                         | 3/32 (2.4)          | WG332X7 |
|                                                                                                                         | 1/8 (3.2)           | WG018X7 |
|                                                                                                                         | 5/32 (4.0)          | —       |

### Quick Connects



#### QRG

Allows for quick connection and removal of torch shielding gas hoses.



#### QRW

Allows for quick connection and removal of torch coolant hoses.

### Cable Covers



**WC-3-10** 10 ft. (3 m)

**WC-3-22** 22 ft. (6.7 m)

**WC-3-48** 48 ft. (14.6 m)

Cable covers protect the welding cables from the day-to-day wear and tear of common welding environments. Available in 10-foot, 22-foot, and 48-foot lengths, these covers can help prevent the frequent replacement of expensive welding cable.

### Remote Controls



**RCC-14** (14-pin plug) **151086**

**RCC-5** (5-pin plug) **157365**

East/west rotary-motion fingertip current/contactor controls.



**Wireless Remote**

**Foot Control 301580**

Foot pedal current/contactor controls.



**RMLS-14** (14-pin plug)

**129337**

Momentary- and maintained- contact rocker switch for contactor control.



**RCCS-14** (14-pin plug) **043688**

**RCCS-5** (5-pin plug) **043718**

North/south rotary-motion fingertip current/contactor controls.



**RHC-14** (14-pin plug)

**242211020** 20 ft. (6 m) cord

**242211100** 100 ft. (30.5 m) cord

Miniature hand current/contactor controls.



**RMS-14** (14-pin plug)

**187208**

Momentary-contact switch for contactor controls.



**RPBS-14** (14-pin plug) **300666**

Remote on/off control.



## OptX™ Wire Feeder Accessories

|  | Part # | Description                                        | Quantity |
|--|--------|----------------------------------------------------|----------|
|  | 301808 | Conduit, Wire, Aluminum 0.047" (1.2mm), 11' Length | 1        |
|  | 301809 | Conduit, Wire, Steel 0.045" (1.2mm), 11' Length    | 1        |
|  | 301795 | Liner, OptX™ Aluminum 0.047" (1.2mm), 11' Length   | 1        |
|  | 301796 | Liner, OptX™ Steel 0.045" (1.2mm), 11' Length      | 1        |
|  | 301834 | Conduit, Wire, Steel 1/16" (1.6mm), 11' Length     | 1        |
|  | 301835 | Conduit, Wire, Aluminum 1/16" (1.6mm), 11' Length  | 1        |
|  | 301836 | Liner, OptX™ Steel 1/16" (1.6mm), 11' Length       | 1        |
|  | 301837 | Liner, OptX™ Aluminum 1/16" (1.6mm), 11' Length    | 1        |
|  | 301827 | Kit, OptX™ Conversion, Steel 1/16" (1.6mm)         | 1        |
|  | 301828 | Kit, OptX™ Conversion, Aluminum 1/16" (1.6mm)      | 1        |
|  | 301844 | Kit, Drive Roll, 1/16" U-Groove, 4 Roll            | 1        |
|  | 301825 | Kit, Drive Roll, .045" V-Groove, 4 Roll            | 1        |
|  | 301826 | Kit, Drive Roll, .047" U-Groove, 4 Roll            | 1        |
|  | 301843 | Kit, Drive Roll, 1/16" V-Groove, 4 Roll            | 1        |



310808



310809



301795

## OptX™ Nozzles

| Procedure | Part # | Description                             | Quantity |
|-----------|--------|-----------------------------------------|----------|
| Cleaning  | 301819 | Nozzle, OptX™, Cleaning, Outside Corner | 1        |
|           | 301820 | Nozzle, OptX™, Cleaning, 1-Point        | 1        |
|           | 301821 | Nozzle, OptX™, Cleaning, 2-Point        | 1        |
|           | 301833 | OptX™ Cleaning Nozzle Kit, 3 Pack       | 1        |
| Welding   | 301811 | Nozzle, OptX™, Welding, Conical         | 1        |
|           | 301812 | Nozzle, OptX™, Welding, 1-Point         | 1        |
|           | 301813 | Nozzle, OptX™, Welding, 2-Point 6mm     | 1        |
|           | 301814 | Nozzle, OptX™, Welding, 2-Point 9mm     | 1        |
|           | 301815 | Nozzle, OptX™, Welding, Wire Feed       | 1        |
|           | 301832 | OptX™ Welding Nozzle Kit, 5 Pack        | 1        |



301819



301820



301821



301811



301812



301813



301814



301815



## OptX™ Torch Accessories

| Item      | Part #        | Description                                               | Quantity |
|-----------|---------------|-----------------------------------------------------------|----------|
|           | <b>301822</b> | Contact Tip, .045"-.047"(1.2mm), AL and STL, 10pcs        | 1        |
|           | <b>301845</b> | Contact Tip, 1/16" (1.6mm), AL and STL, 10pcs             | 1        |
|           | <b>301798</b> | Cover, Protective Laser Torch, OptX™                      | 1        |
|           | <b>301823</b> | Protective Window, OptX™, 5pcs                            | 1        |
|           | <b>301802</b> | Lens, Focus Assy, OptX™                                   | 1        |
|           | <b>301794</b> | Tool, Focus lens Installation, OptX™                      | 1        |
|           | <b>296578</b> | Collet Chuck Assy                                         | 1        |
| Extenders | <b>301816</b> | Nozzle Extension, Aluminum Focus (7mm)                    | 1        |
|           | <b>301817</b> | Nozzle Extension, Steel Focus (10mm)                      | 1        |
|           | <b>301818</b> | Nozzle Tube, 58mm                                         | 1        |
|           | <b>301806</b> | OptX™ Wire Delivery Guide Attachment                      | 1        |
|           | <b>301807</b> | OptX™ Wire Delivery Guide, Adapter, Conduit to Attachment | 1        |
|           | <b>301803</b> | Cradle, OptX™ Torch                                       | 1        |
|           | <b>301799</b> | OptX™ Nozzle Protective Cap                               | 1        |

**301822****301823****301802****301794****301816****301817****301818****301806****301807****301803**

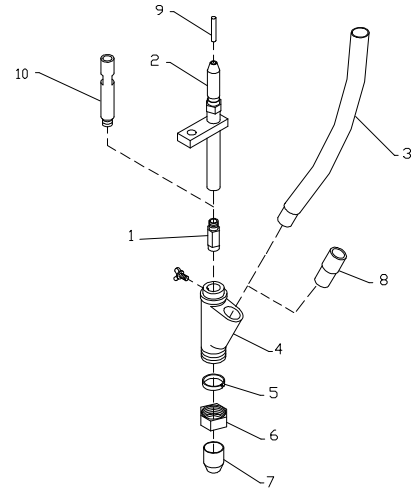
## OptX™ Service Parts

|  | Part #        | Service Level 1                                    | Quantity |
|--|---------------|----------------------------------------------------|----------|
|  | <b>296488</b> | Welding Helmet, OptX™, Replacement Window          | 1        |
|  | <b>296575</b> | Laser Torch, OptX™ 2kW Service Kit                 | 1        |
|  | <b>296162</b> | Clamp, Work Sense, 32' Length                      | 1        |
|  | <b>296576</b> | Cable Cover, OptX™ Torch, 32' Length               | 1        |
|  | <b>296579</b> | Gas Hose, Weld, OptX™ Torch, 32' Length            | 1        |
|  | <b>296582</b> | Cable Assy, Signal 12-Pin, OptX™ Torch, 32' Length | 1        |
|  | <b>301810</b> | Cable, Ethernet CAT 6, 10' Length                  | 1        |

**296162****301810**

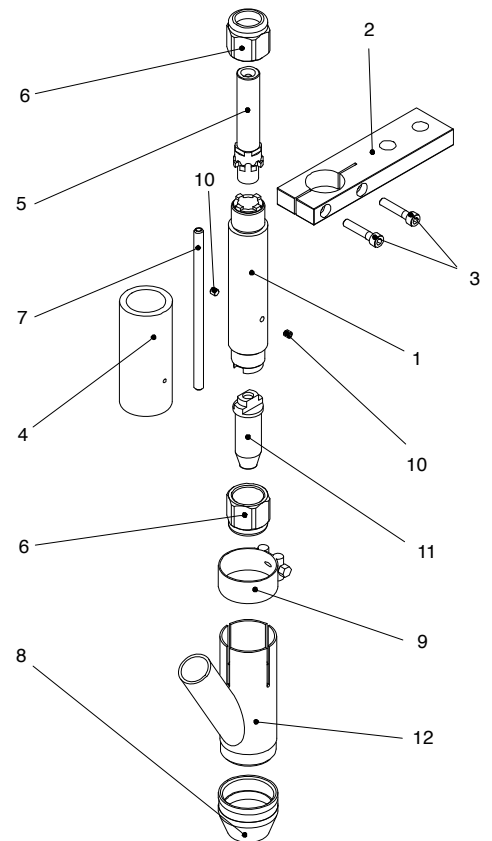
## OBT 600 Amp Torch

| Item # | Part # | Description                                                              |
|--------|--------|--------------------------------------------------------------------------|
| 1      | 192700 | Tip, Contact 1/16 in. (optional)                                         |
| 1      | 192701 | Contact 5/64 in. (optional)                                              |
| 1      | 192702 | Contact 3/32 in. (optional)                                              |
| 1      | 192703 | Contact 7/64 in. (optional)                                              |
| 1      | 192704 | Contact 1/8 in. (optional)                                               |
| 1      | 192705 | Contact 5/32 in. (optional)                                              |
| 1      | 192706 | Contact 3/16 in. (optional)                                              |
| 2      | 192692 | Torch Body                                                               |
| 3      | 192694 | Hose, Flux w/insulator                                                   |
| 4      | 192693 | Cone Assy, Body                                                          |
| 5      | 192695 | Ferrule, Locking                                                         |
| 6      | 192697 | Nut, Retaining                                                           |
| 7      | 192696 | Cone, Flux                                                               |
| 8      | 200566 | Adapter, Hose                                                            |
| 9      | 193146 | Liner, Wire 1/16 - 1/8 x 8.125 (Wire size 3/16 does not require a liner) |
| 9      | 193145 | Liner, Wire 5/32 x 8.125 (Wire size 3/16 does not require a liner)       |
| 10     | 043967 | Extension Torch Body Obt-1 inch (optional)                               |
| 10     | 043969 | Extension Torch Body Obt-2 inch (optional)                               |
| 10     | 043973 | Extension Torch Body Obt-4 inch (optional)                               |
| 10     | 043975 | Extension Torch Body Obt-6 in (optional)                                 |



## 1200 Amp Single-Wire Torch Consumables

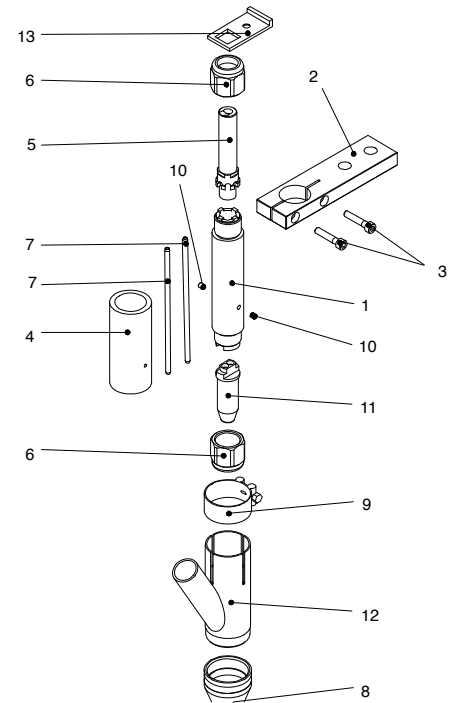
| Item # | Part #              | Description                                                                 |
|--------|---------------------|-----------------------------------------------------------------------------|
|        | 301141 (043900)     | Short, 11.3 in. (288 mm) 1200 Amp torch for 1/16–5/32 in. (1.6–4.0 mm) wire |
| 1      | 266660              | Torch body                                                                  |
| 2      | 266662              | Power source connector                                                      |
| 3      | 266665              | Screw, HSHC, M6x30                                                          |
| 4      | 266663              | Torch body insulator                                                        |
| 5      | 266666              | Wire feeder connector                                                       |
| 6      | 264580 <sup>1</sup> | Nut                                                                         |
| 7      | 264581 <sup>1</sup> | Wire liner, 286 mm                                                          |
| 8      | 264586 <sup>1</sup> | Flux nozzle, D.26                                                           |
| 9      | 266667              | Clamp, D.40                                                                 |
| 10     | 266668              | Nut, M5 X 5                                                                 |
| 11     | 264590 <sup>2</sup> | Tip, contact single wire 1/16 in. (1.6 mm) CuCrZr                           |
| 11     | 264591 <sup>2</sup> | Tip, contact single wire 5/64 in. (2.0 mm) CuCrZr                           |
| 11     | 264587 <sup>1</sup> | Tip, contact single wire 3/32 in. (2.4 mm) CuCrZr                           |
| 11     | 264593 <sup>2</sup> | Tip, contact single wire 1/8 in. (3.2 mm) CuCrZr                            |
| 11     | 264594 <sup>2</sup> | Tip, contact single wire 5/32 in. (4.0 mm) CuCrZr                           |
| 12     | 264589 <sup>1</sup> | Flux conveyor                                                               |



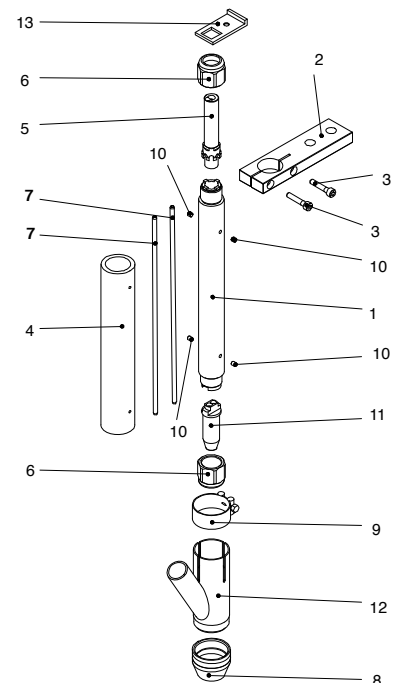


# 1200 Amp Twin-Wire Torch

| Item # | Part #                 | Description                                                                        |
|--------|------------------------|------------------------------------------------------------------------------------|
|        | <b>301143 (301144)</b> | <b>Short, 11.3 in. (288 mm) 1200 Amp torch for 3/64–3/32 in. (1.2–2.4 mm) wire</b> |
| 1      | 266660                 | Torch Body                                                                         |
| 2      | 266662                 | Power Source Connector                                                             |
| 3      | 266665                 | Screw, HSHC, M6 X 30                                                               |
| 4      | 266663                 | Torch Body Insulator                                                               |
| 5      | 266669                 | Wire Feeder Connector                                                              |
| 6      | 264580 <sup>1</sup>    | Nut                                                                                |
| 7      | 264584 <sup>1</sup>    | Wire Liner, D. 5 X 3 146 mm                                                        |
| 8      | 264586 <sup>1</sup>    | Flux Nozzle, D.26                                                                  |
| 9      | 266667                 | Clamp, D.40                                                                        |
| 10     | 266668 <sup>1</sup>    | Nut, M5 X 5                                                                        |
| 11     | 264595 <sup>2</sup>    | Tip, Contact Twin Wire 3/64 in. (1.2 mm) CuCrZr                                    |
| 11     | 264596 <sup>2</sup>    | Tip, Contact Twin Wire 1/16 in. (1.6 mm) CuCrZr                                    |
| 11     | 264597 <sup>2</sup>    | Tip, Contact Twin Wire 5/64 in. (2.0 mm) CuCrZr                                    |
| 11     | 264588 <sup>1</sup>    | Tip, Contact Twin Wire 3/32 in. (2.4 mm )CuCrZr                                    |
| 12     | 264589 <sup>1</sup>    | Flux Conveyor                                                                      |
| 13     | 266670                 | Alignment Plate                                                                    |



| Item # | Part #              | Description                                                                       |
|--------|---------------------|-----------------------------------------------------------------------------------|
|        | <b>301444</b>       | <b>Long, 16.8 in. (427 mm) 1200 Amp torch for 3/64–3/32 in. (1.2–2.4 mm) wire</b> |
| 1      | 266661              | Torch Body                                                                        |
| 2      | 266662              | Power Source Connector                                                            |
| 3      | 266665              | Screw, HSHC, M6 X 30                                                              |
| 4      | 266664              | Torch Body Insulator                                                              |
| 5      | 266669              | Wire Feeder Connector                                                             |
| 6      | 264580 <sup>1</sup> | Nut                                                                               |
| 7      | 264585 <sup>1</sup> | Wire Liner, D. 5 X 3 287 mm                                                       |
| 8      | 264586 <sup>1</sup> | Flux Nozzle, D.26                                                                 |
| 9      | 266667              | Clamp, D.40                                                                       |
| 10     | 266668              | Nut, M5 X 5                                                                       |
| 11     | 264595 <sup>2</sup> | Tip, Contact Twin Wire 3/64 in. (1.2 mm) CuCrZr                                   |
| 11     | 264596 <sup>2</sup> | Tip, Contact Twin Wire 1/16 in. (1.6 mm) CuCrZr                                   |
| 11     | 264597 <sup>2</sup> | Tip, Contact Twin Wire 5/64 in. (2.0 mm) CuCrZr                                   |
| 11     | 264588 <sup>1</sup> | Tip, Contact Twin Wire 3/32 in. (2.4 mm )CuCrZr                                   |
| 12     | 264589 <sup>1</sup> | Flux Conveyor                                                                     |
| 13     | 266670              | Alignment Plate                                                                   |



<sup>1</sup>Recommended spare part. <sup>2</sup>Optional

## Hoses and Hose Fittings

**Warning:** RMA-CGA Hose Standard specified R-grade hose must be used with acetylene only and T-grade hose with all fuel gases. Do not exceed the maximum working pressure listed for the hoses during oxy-fuel cutting, heating and welding.

### Pressure Hoses

| Stock No.  | Description | Hose Grade           | Gas Service    | Length             | I.D. Size       | Hose Inlet Connection |                    | Compatible with                             |
|------------|-------------|----------------------|----------------|--------------------|-----------------|-----------------------|--------------------|---------------------------------------------|
|            |             |                      |                |                    |                 | To Regulator          | To Equipment       |                                             |
| 770133     | Twin-Hoses  | R-Grade              | Acetylene only | 50 ft. (15.2 m)    | 1/4 in. (6 mm)  | 9/16 in-18 "B"        | 9/16 in-18 "B"     | Hobart Welding heavy-duty torch             |
| RL1131     | Twin-Hoses  | R-Grade              | Acetylene only | 25 ft. (7.6 m)     | 1/4 in. (6 mm)  | 9/16 in-18 "B"        | 9/16 in-18 "B"     | Smith Torch Series SC, DG, SW, CW, MW       |
| 770132     | Twin-Hoses  | R-Grade              | Acetylene only | 25 ft. (7.6 m)     | 1/4 in. (6 mm)  | 9/16 in-18 "B"        | 9/16 in-18 "B"     | Hobart Welding heavy-duty torch             |
| 770130     | Twin-Hoses  | R-Grade              | Acetylene only | 25 ft. (7.6 m)     | 3/16 in. (5 mm) | 9/16 in-18 "B"        | 9/16 in-18 "B"     | Hobart Welding medium-duty torch            |
| RL935      | Twin-Hoses  | R-Grade              | Acetylene only | 20 ft. (6.1 m)     | 3/16 in. (5 mm) | 9/16 in-18 "B"        | 9/16 in-18 "B"     | Smith Torch Series SC, DG, CW, MW           |
| RA921      | Twin-Hoses  | R-Grade              | Acetylene only | 12-1/2 ft. (3.8 m) | 3/16 in. (5 mm) | 9/16 in-18 "B"        | 3/8 in-24 "A"      | Smith Torch AW1                             |
| RL921      | Twin-Hoses  | R-Grade              | Acetylene only | 12-1/2 ft. (3.8 m) | 3/16 in. (5 mm) | 9/16 in-18 "B"        | 9/16 in-18 "B"     | Smith Torch Series SC, DG, SW, CW, MW       |
| RL121      | Single Hose | R-Grade              | Acetylene only | 12-1/2 ft. (3.8 m) | 3/16 in. (5 mm) | 9/16 in-18 "B"        | 9/16 in-18 "B"     | Smith Handi-Heat NE180                      |
| 770131     | Twin-Hoses  | T-Grade              | All Gases      | 25 ft. (7.6 m)     | 1/4 in. (6 mm)  | 9/16 in-18 "B"        | 9/16 in-18 "B"     | Hobart Welding heavy-duty torch             |
| TRL1131    | Twin-Hoses  | T-Grade              | All Gases      | 20 ft. (6.1 m)     | 1/4 in. (6 mm)  | 9/16 in-18 "B"        | 9/16 in-18 "B"     | Smith Torch Series SC, DG, SW, CW, MW, AW10 |
| 14779-4-10 | Twin-Hoses  | Kevlar® Brazing      | Acetylene only | 10 ft. (3.1 m)     | 1/8 in. (3 mm)  | 9/16 in-18 "B"        | 3/8 in-24 "A"      | Smith Torch AW1                             |
| 7294-1     | Single Hose | R-Grade Blk          | Inert Gas      | 6 ft. (1.8 m)      | 1/4 in. (6 mm)  | 5/8 in-18 RH Male     | 5/8 in-18 RH Male  | Flowgauges, Flowmeter Regulators            |
| 269815     | Single Hose | Reinforced PVC Clear | Inert Gas      | 5 ft. (1.5 m)      | 3/16 in. (5 mm) | --                    | 5/8 in-18 UNF Male | Flowgauge Regulator                         |

### Hose Fittings

| Stock No.                | Description                | Gas Service | Male Thread    | Female Thread | Hose Connection |
|--------------------------|----------------------------|-------------|----------------|---------------|-----------------|
| <b>Two-Hose Manifold</b> |                            |             |                |               |                 |
| NE135B                   | Manifold to 2 hoses        | Oxygen      | 9/16 in-18 "B" | --            | 9/16 in-18 "B"  |
| NE136B                   | Manifold to 2 hoses        | Fuel gas    | 9/16 in-18 "B" | --            | 9/16 in-18 "B"  |
| <b>Hose Adapters</b>     |                            |             |                |               |                 |
| 14389                    | "B" regulators to "A" hose | Oxygen      | 3/8 in-24 RH   | 9/16 in-18 RH | --              |
| 14390                    | "B" regulators to "A" hose | Fuel Gas    | 3/8 in-24 LH   | 9/16 in-18 LH | --              |

### Regulator Mount Check Valves and Flashback Arrestors

| Stock No. | Description               | Gas Service     | Inlet Connection            | Outlet Connection           |
|-----------|---------------------------|-----------------|-----------------------------|-----------------------------|
| H698      | Reverse-flow Check Valves | Oxygen and Fuel | 9/16"-18 LH and RH Internal | 9/16"-18 LH and RH External |
| H753      | Flashback Arrestors       | Oxygen and Fuel | 9/16"-18 LH and RH Internal | 9/16"-18 LH and RH External |

| Gas Service                                              | Max Regulator Setting |
|----------------------------------------------------------|-----------------------|
| Oxygen                                                   | 150 psig              |
| Acetylene                                                | 15 psig               |
| Alternate Fuel Gases - Propane, Natural Gas & all others | 40 psig               |



RL1131



RL121



RL935



TRL1131



14779-4-10



7294-1



NE135B



NE136B



14389



H698



H753





## Fixed-Flow Adapters

Designed for operations requiring fixed inert gas flows. Ideal for directly connecting to pipeline outlet but can be installed on regulator outlet too. See spec sheet #GE/31.0 at millerwelds.com on pressure setting (psig) for each adapter.

| Stock No. | Description          | Male Thread | Female Thread | Orifice Diameter |
|-----------|----------------------|-------------|---------------|------------------|
| H1400-20  | 20 SCFH Flow Adapter | 1/4 in NPT  | 5/8 in-18 UNF | 0.026            |
| H1400-30  | 30 SCFH Flow Adapter | 1/4 in NPT  | 5/8 in-18 UNF | 0.032            |
| H1400-40  | 40 SCFH Flow Adapter | 1/4 in NPT  | 5/8 in-18 UNF | 0.037            |
| H1400-50  | 50 SCFH Flow Adapter | 1/4 in NPT  | 5/8 in-18 UNF | 0.042            |

## Fixed-Flow Surge Protectors

Designed to eliminate sudden surges of shielding gas into the wire feeder. Ideal for directly connecting to the welder or wire feeder. See spec sheet #GE/31.0 at millerwelds.com on pressure setting (psig) for each surge protector.

| Stock No. | Description             | Male Thread   | Female Thread | Orifice Diameter |
|-----------|-------------------------|---------------|---------------|------------------|
| 15001-20  | 20 SCFH Surge Protector | 5/8 in-18 UNF | 5/8 in-18 UNF | 0.026            |
| 15001-40  | 40 SCFH Surge Protector | 5/8 in-18 UNF | 5/8 in-18 UNF | 0.032            |
| 15001-30  | 30 SCFH Surge Protector | 5/8 in-18 UNF | 5/8 in-18 UNF | 0.037            |

## Gauges

Pressure gauges (PSI/Bar) and Flow gauges (SCFH/LPM) have dual scale readings with large fonts. Gauges have 1-inch stem with 1/4-inch (6 mm) NPT seal at the bottom.

| Stock No. | Description             | Pressure Calibration | Diameter         | Compatible with Regulators |
|-----------|-------------------------|----------------------|------------------|----------------------------|
| GA026-07  | Brass Case, Red Zone    | 30 psig / 2 bar      | 2.5 inch (64 mm) | Series 40 Acetylene        |
| GA029-07  | Brass Case              | 60 psig / 4 bar      | 2.5 inch (64 mm) | Series 40 Alternate Fuel   |
| GA033-07  | Brass Case              | 200 psig / 14 bar    | 2.5 inch (64 mm) | Series 40 Oxygen           |
| GA037-07  | Brass Case              | 400 psig / 28 bar    | 2.5 inch (64 mm) | Series 40, 46 Oxygen       |
| GA043-07  | Brass Case              | 4000 psig / 280 bar  | 2.5 inch (64 mm) | Series 40, 16347           |
| GA066-07  | Stainless Steel Chrome  | 6000 psig            | 2.5 inch (64 mm) | SpecGas High Pressure      |
| GA068-07  | Stainless Steel Chrome  | 10000 psig           | 2.5 inch (64 mm) | SpecGas High Pressure      |
| GA075-15  | Black Steel, Back Mount | 4000 psig / 280 bar  | 1.5 inch (38 mm) | Flowmeter Reg H2051        |
| GA134-03  | Black Steel, Red Zone   | 30 psig / 2 bar      | 2.0 inch (51 mm) | Series 30 Acet             |
| GA135-03  | Black Steel             | 60 psig / 4 bar      | 2.0 inch (51 mm) | Series 30 Alt Fuel         |
| GA137-03  | Black Steel             | 150 psig / 10 bar    | 2.0 inch (51 mm) | Series 30 Oxy/H2           |
| GA138-03  | Black Steel             | 400 psig / 28 bar    | 2.0 inch (51 mm) | Series 30 Fuel             |
| GA139-03  | Black Steel             | 4000 psig / 280 bar  | 2.0 inch (51 mm) | Series 22, 30, 31,35       |
| GA140-03  | Black Steel             | 200 psig / 14 bar    | 2.0 inch (51 mm) | Series 30                  |
| GA141-03  | Black Steel             | 30 psig / 2 bar      | 2.0 inch (51 mm) | Series 30                  |
| GA142-03  | Black Steel             | 600 psig / 41 bar    | 2.0 inch (51 mm) | Series 30 Purge            |
| GA143-03  | Black Steel             | 100 psig / 7 bar     | 2.0 inch (51 mm) |                            |
| GA145-03  | Black Steel             | 6000 psig / 414 bar  | 2.0 inch (51 mm) |                            |
| 16266     | W/ Electronic Alarm     | 4000 psig / 280 bar  | 2.5 inch (64 mm) | 16347-3                    |

| Stock No. | Description | Flow          | Diameter         | Compatible with |
|-----------|-------------|---------------|------------------|-----------------|
| GA136-03  | Black Steel | 25 lpm / scfh | 2.0 inch (51 mm) | Flowgauge Reg   |

## Repair Parts

| Stock No. | Description              | For Repair of Regulators |
|-----------|--------------------------|--------------------------|
| 16070-1   | Filter Seat Assembly, MD | Series 30, 22, 35        |
| 15811-2   | Filtered Seat Assembly   | SpecGas, Series 40       |
| 15001-30  | 30 SCFH Surge Protector  | 5/8 in-18 UNF            |



H1400-20



15001-30



GA026-07



GA043-07



GA068-07



GA137-03



16266



GA136-03



16070-1



15811-2

## Repair Parts

### "O" Ring Replacements

| Stock No. | Use with Welding/Heating Tips/Cutting Assemblies                                                              |
|-----------|---------------------------------------------------------------------------------------------------------------|
| AW15      | AW Series Welding Tips / AT Series Heating Tips / AC309 Cutting Assembly / NE180 Series Air-Acetylene Tips    |
| MW15      | MW Series Welding Tips / MT Series Heating Tips / DG109A, MC509, MC505 & CC509P Cutting Assemblies            |
| LW15      | SW Series Welding Tips / ST Series Heating Tips / DG209, DG205, DG200, SC209, SC205, SC200 Cutting Assemblies |

**NOTE:** 25 per package.

### Hand-Held Oxy-Fuel Torch Parts

| Stock No. | Use with Torches                                |
|-----------|-------------------------------------------------|
| 15772     | DG900 & SC900 Series                            |
| SC100     | DG100, 200 & 300 Series; SC100, 200, 300 Series |
| H743      | Torch Mount Oxy-Fuel Flashback Arrestor Set     |
| H697      | Torch Mount Oxy-Fuel Check Valve Set            |

### Cutting Assembly Repair Kits

| Stock No. | Use with Cutting Assemblies   |
|-----------|-------------------------------|
| SC101     | Heavy Duty DG200 & SC Series  |
| MC101     | Medium Duty DG100 & MC Series |

### Oxy-Fuel Torch Valves and Adapters

| Stock No. | Use with Torch Handles & Hand Cutting Torches (2 valves per kit)                                     |
|-----------|------------------------------------------------------------------------------------------------------|
| LW17      | WH100, MW5, MW5A, SW2, CW5A & AW10A                                                                  |
| G729-5A   | WH200, WH200A, SW1A, SW1B Series, 780 Series Machine Torch                                           |
| AW11A     | AW1A                                                                                                 |
| LW14B-1   | DG900, DG200, SC200, SC900 Series Hand Torches, 770 Series Machine Torches, SW1 Series Torch Handles |

| Stock No. | Use with Cutting Assemblies (2 valves per kit)                                                                                                                                                                                            |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| G690-8    | MC509, CC509P, AC309, MC505                                                                                                                                                                                                               |
| G900-41A  | Use with All SC Series Hand and Machine Torches & Cutting Torch Assemblies<br>SC900 Series, SC772A, SC782A, SC781A, SC780A, SC771, SC770, SC509, SC300 Series Torches, SC300 Series Torches, SC100 Series Torches, SC300 Cutting Assembly |
| 15555     | Use with All Heavy Duty Dual Guard Hand Torch & Cutting Assemblies<br>DG900 Series, DG209 Cutting Assembly, DG205 Cutting Assembly, DG300 Series, DG200 Series, DG100 Series                                                              |
| 15720-1   | Use with DG109A Cutting Assembly - DG109A                                                                                                                                                                                                 |



15772



SC100



H743



H697



SC101



G729-5A  
LW14B-1



LW17



AW11A



| Cutting Tip Seat<br>Graftite® Packing<br>Replacements | (1 Set Per Bag)   |
|-------------------------------------------------------|-------------------|
| G691                                                  | "MC" Cutting Tips |
| G930                                                  | "SC" Cutting Tips |



Torch Head  
Replacement Nut  
(Tip Nut)



## Smith Equipment®

## Air/Acetylene Torch & Tips



**NE180A**  
Length-5-3/8" (130mm)  
Weight 8-1/4 oz.

**NE180A Torch Handle**  
**1 Year Warranty**  
Use with acetylene gas. Machined from solid, brass. Hose connections 9/16"-18 LH thread, "B". Fits R12 or R14D hose Connections.

**NE180A Torch Handle**  
**1 Year Warranty**  
Burns acetylene with atmospheric air. Ideal for sweating copper joints up to 6" (152mm) in diameter, soldering, leading, thawing, heating and straightening.

## Air/Acetylene Tips



**NE180-4**  
Length-8" (230mm)  
Weight 3-1/2 oz.

**NE180-4 Extra Large Tip**  
Use for fast paint burning, heavy soldering and heating. Replacement Orifice No. L704-6



**NE180-3**  
Length 7-5/8" (203mm)  
Weight 3-1/4 oz.

**NE180-3 Large Tip**  
Use for pipe thawing, light brazing and silver soldering. Replacement Orifice No. L703-6



**NE180-2**  
Length 6-7/8" (175mm)  
Weight 2-1/2 oz.

**NE180-2 Medium Tip**  
For all types of soft soldering, body leading, etc. Replacement Orifice No. L702-6



**NE180-1**  
Length 6-1/8" (156mm)  
Weight 1-7/8 oz.

**NE180-1 Small Tip**  
For fine instrument work, auto radiators, etc. Replacement Orifice No. L701-6



**NE180-0**  
Length 4-3/4" (121mm)  
Weight 1-3/4 oz.

**NE180-0 Fine Tip**  
For jewelry, small tube and electronics soldering. Replacement Orifice No. L711-6



**NE180-00**  
Length 4-3/4" (121mm)  
Weight 1-3/4 oz.

**NE180-00 Super Fine Tip**  
For delicate jewelry and electronic soldering. Replacement Orifice No. L710-6



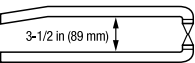
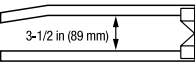
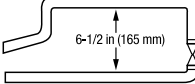
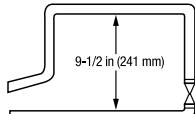
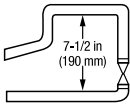
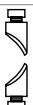
- No oxygen tank needed
- Clean, economical heat
- No wrench needed-tips are hand tightened
- One-handed flame adjustment
- 360 degree Tip turning radius
- Tough all brass body
- Smooth turning needle valve
- Rugged tips
- Nickel plated for added heat resistance
- Fuel pressure setting: 12-14 PSIG

| Tip No   | Flame Opening |     | Flame Inner Cone Length |    | Consumption SCFH | BTU Output |
|----------|---------------|-----|-------------------------|----|------------------|------------|
|          | Inch          | mm  | Inch                    | mm |                  |            |
| NE180-4  | 3/8"          | 10  | 1-3/4"                  | 45 | 22.8             | 32,900     |
| NE180-3  | 1/4"          | 6   | 1-1/2"                  | 38 | 9                | 13,000     |
| NE180-2  | 3/16"         | 5   | 1-1/4"                  | 32 | 5.2              | 7,500      |
| NE180-1  | 9/64"         | 3.6 | 3/4"                    | 19 | 2.8              | 4,000      |
| NE180-0  | 3/32"         | 2.4 | 1/4"                    | 6  | 1.5              | 2,200      |
| NE180-00 | 1/16"         | 1.7 | 1/8"                    | 3  | 0.5              | 720        |

**SMITH**  
Miller

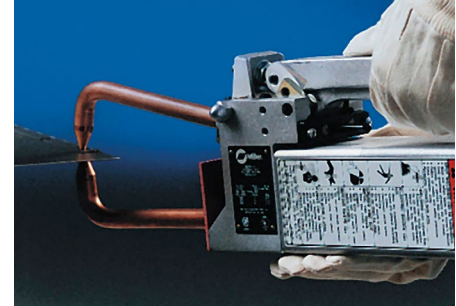


## MSW and LMSW Series Tongs and Tips

| TONGS                                                                                                | 6 in<br>(152 mm)                | 12 in<br>(305 mm) | 18 in<br>(457 mm) | Tips                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------|---------------------------------|-------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b><br>  | <b>040197</b>                   | <b>040198</b>     | <b>040199</b>     | Standard<br><b>040211</b>  Flat<br><b>040212</b>  |
| <b>MO Offset</b><br> | <b>040200</b>                   | <b>040201</b>     | <b>040202</b>     | MO Offset<br><b>040215</b>                                                                                                         |
| <b>TT-6</b><br>      | —                               | <b>040203</b>     | <b>040204</b>     | Standard<br><b>040211</b>  Flat<br><b>040212</b>  |
| <b>TT-9</b><br>      | —                               | <b>040205</b>     | <b>040206</b>     | Standard<br><b>040211</b>  Flat<br><b>040212</b>  |
| <b>G-7</b><br>      | <b>8 in (203 mm)<br/>040207</b> |                   |                   | Standard<br><b>040211</b>  Flat<br><b>040212</b>  |
| <b>FF</b><br>     | <b>8 in (203 mm)<br/>040208</b> |                   |                   | FF<br><b>040213</b>                                                                                                              |
| <b>FH</b><br>     | <b>5 in (127 mm)<br/>040209</b> |                   |                   | FH<br><b>040214</b>                                                                                                              |

For your added convenience, spot welder tongs and tips can be ordered through the Miller Service Parts business for use with the following models:

- MSW-41, MSW-41T, MSW-42, MSW-42T, LMSW-52 and LMSW-52T



**Gyro Bail 041979**  
Supports the weight of the welder. Operates with boom and counterweight or from spring-loaded cable. Spot welds in any position.

### Important Ordering Information

- To determine the correct tong reorder length, measure exposed tong length when installed in spot welder. Removed tongs measure 2 inches longer than the listed chart length. For correct reorder length, deduct 2 inches from the removed tong.
- One set of tips is supplied with each set of tongs.
- Maximum welding capabilities are obtained with minimum tong length.
- Tips are made of RWMA Class 2 Alloy.



## PSW & SSW Series Tongs and Tips

| TONGS | Description                          | 6 in<br>(152 mm) | 12 in<br>(305 mm) | 18 in<br>(457 mm) | Tips<br>Included                                              |
|-------|--------------------------------------|------------------|-------------------|-------------------|---------------------------------------------------------------|
|       | Standard 90°<br>No. 1 MT<br>No. 2 MT | 040218<br>—      | 040219<br>—       | 040220<br>041001  | 040223<br>040308                                              |
|       | Standard 45°<br>No. 1 MT<br>No. 2 MT | —<br>—           | 041004<br>—       | 041005<br>041001  | 040851<br>040225                                              |
|       | TT-6W<br>No. 2 MT                    | —                | —                 | 041838            | 040308                                                        |
|       | TT-9W<br>No. 2 MT                    | —                | —                 | 041840            | 040308                                                        |
|       | SW-12                                | —                | 071465            | —                 | No. 1 Pointed<br>071466 Top<br>Flat Threaded<br>071467 Bottom |

| TIPS | Description                                                         | Part # | Quantity              | Where Used                                                           |
|------|---------------------------------------------------------------------|--------|-----------------------|----------------------------------------------------------------------|
|      | No. 1 MT (Pointed)                                                  | 040223 | 2 tips                | Standard 90° No. 1 Tongs                                             |
|      | No. 1 MT (Offset)                                                   | 040224 | 2 tips                | Standard 90° No. 1 Tongs                                             |
|      | No. 2 MT (Pointed)                                                  | 040308 | 2 tips                | Standard 90° No. 2 Tongs,<br>TT-6W Tongs, TT-9W Tongs                |
|      | No. 1 MT (Offset)                                                   | 040851 | 2 tips                | Standard 45° No. 1 Tongs                                             |
|      | No. 1 MT (Offset)                                                   | 040226 | 2 tips                | Standard 90° No. 1 Tongs                                             |
|      | No. 1 MT (Offset)                                                   | 040298 | 2 tips                | Standard 90° No. 1 Tongs                                             |
|      | No. 2 MT (Offset)                                                   | 040225 | 2 tips                | Standard 45° No. 2 Tongs                                             |
|      | No. 1 MT (Pointed)                                                  | 071466 | 1 tip for top tong    | SW-12 Tongs                                                          |
|      | Threaded (Flat)                                                     | 071343 | 1 tip for bottom tong | SW-12 Tongs (Optional)                                               |
|      | Threaded (Flat)                                                     | 071467 | 1 tip for bottom tong | SW-12 Tongs                                                          |
|      | No. 1 MT<br>(Flat Swivel Tip)                                       | 040216 | 2 tips                | Standard 90° No. 1 Tongs                                             |
|      | Adapter<br>(Adapts No. 1 Morse<br>Taper Tip to No. 2<br>Receptacle) | 040227 | 2 adapters            | Standard 90° No. 2 Tongs,<br>TT-6W Tongs (Top),<br>TT-9W Tongs (Top) |

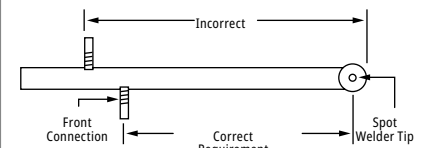
For your added convenience, spot welder tongs and tips can now be ordered through the Miller Service Parts business for use with the following models:

- PSW-1020 ATT and PSW-2020 ATT
- SSW-1020 ATT, SSW-2020 ATT and SSW-2040 ATT



### Important Ordering Information

- To determine the correct tong reorder length, measure from the center of the spot weld tip back to the front water hose connection.



- Tongs and tips shown to the left can be used with all PSW and SSW model spot welders. Recommended maximum tong length is 18 in (457 mm). A limited group of special tongs are available, contact Miller Service Parts.
- Tong throat-height dimension for standard 90° and 45° tongs is 4-1/4 in (108 mm). Throat length is measured from the center of the spot tips to the front water hose connection on the tong.
- One set of tips is supplied with each set of tongs.
- Tips are made of RWMA Class 2 alloy.
- Maximum welding capabilities are obtained with minimum tong length.
- MT = Morse Taper  
No. 1 Morse Taper diameter = 1/2 inch  
No. 2 Morse Taper diameter = 5/8 inch



## Weld Testing

| Part #                  | Description                       |
|-------------------------|-----------------------------------|
| 01-5352-78              | SKD-S2 Developer 16 oz. (12)      |
| 01-5750-78              | SKC-S Cleaner 16 oz. (12)         |
| 01-5155-78              | SKL-SP2 Penetrant 16 oz. (12)     |
| 01-5190-78              | SKL-WP2 Spot Penetrant 16 oz (12) |
| 01-5970-48 (01-5920-48) | SK-416 Portable Spotcheck Kit     |



01-5352-78



01-5155-78



01-5190-78



01-5970-48  
(01-5920-48)

## Paint (Original Equipment Color Matched)

| Part # | Description                                |
|--------|--------------------------------------------|
| 098205 | 12 oz. Spray Can, (new) Miller Blue Enamel |

From showroom touch-ups to complete machine repaints, depend on Miller O.E.M. color-matched paints to give you and your customers professional results. Available in air-dry aerosols.



## SCRUBS®

| Part # | Dimensions         | Quantity          | Case Quantity        |
|--------|--------------------|-------------------|----------------------|
| 202239 | 10-1/2 x 12-1/4 in | 72 towel canister | 6 canisters per case |

They're the original patented one-step hand cleaner towels in-a-bucket. SCRUBS® combine the scrubbing power of pumice with powerful yet safe cleaning agents into an absorbent, non-scratching abrasive hand-cleaning towel. Fast and easy, no rinsing, no drying, leaves hands clean and protected, germ-free with a pleasant fragrance and no residue.



202239

## Multi-Use MIG Pliers

| Part # | Size     | Description              | Part # | Size | Description |
|--------|----------|--------------------------|--------|------|-------------|
| 770150 | 8-1/2 in | Original full size model | YS20   | 7 in | Pliers      |

The multipurpose MIG tool that does it all. Welding pliers perform many different tasks, saving time and increasing productivity! It's a must-have tool for every welder.

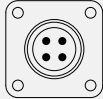


770150



## 4-Pin Amp Plastic Connectors

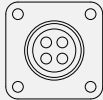
**Panel-Mounted Male**



**048283** Kit (consists of)  
**081905** Receptacle  
**079535** Pins (Qty 5)

*Note: Strain relief clamp 079531 needs to be ordered separately with cord-mounted connections.*

**Panel-Mounted Female**



**048282** Kit (consists of)  
**081560** Receptacle  
**079534** Sockets (Qty 5)

*Note: Strain relief clamp 079531 needs to be ordered separately with cord-mounted connections.*

**Cord-Mounted Female**



**048284** Kit (consists of)  
**081906** Connector  
**079534** Sockets (Qty 5)

**Cord-Mounted Male**



**079878** Kit (consists of)  
**079532** Connector  
**079535** Pins (Qty 5)

**Cord-Mounted Male**



**046958** Kit (consists of)  
**046080** Connector  
**079535** Pins (Qty 5)

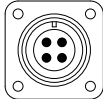
**Cord-Mounted Female**



**080328** Kit (consists of)  
**079533** Connector  
**079534** Sockets (Qty 5)

## 4-Pin Amphenol Metal Connectors

**Panel-Mounted Male**  
076624



**Cord-Mounted Female**  
073686



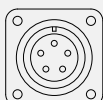
**Cord-Mounted Male**  
073688



*Note: Pins are the solderable type and are pre-inserted into the receptacle. Strain relief clamp 039828 needs to be ordered separately w/cord-mounted connections*

## 5-Pin Amphenol Metal Connectors

**Panel-Mounted Female**  
035523



**Cord-Mounted Male**  
039273



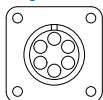
**Cord-Mounted Female**  
052654



*Note: Pins are the solderable type and are pre-inserted into the receptacle. Strain relief clamp 039685 needs to be ordered separately w/cord-mounted connections.*

## 6-Pin Amphenol Metal Connectors

**Panel-Mounted Female**  
039825



**Cord-Mounted Male**  
039827



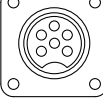
**Cord-Mounted Female**



**N/A**

*Note: Pins are the solderable type and are pre-inserted into the receptacle. Strain relief clamp 039828 needs to be ordered separately w/cord-mounted connections.*

**Panel-Mounted Female**  
235429



**Cord-Mounted Male**  
217796



**Cord-Mounted Female**

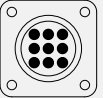


**N/A**

*Note: For Maxstar 140 and 150's.*

## 9-Pin Amp Plastic Connectors

**Panel-Mounted Male**



**170646** Receptacle  
**079535** Pins (Qty 5)

**Cord-Mounted Female**



**048380** Kit (consists of)  
**079705** Connector  
**079534** Sockets (Qty 3)

**Cord-Mounted Male**

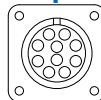


**048306** Kit (consists of)  
**079707** Connector  
**079535** Pins (Qty 10)

*Note: Strain relief clamp 079706 needs to be ordered separately with cord-mounted connections.*

## 10-Pin Amphenol Metal Connectors

**Panel-Mounted Female**  
039718



**Cord-Mounted Male**  
039716

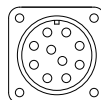


**Cord-Mounted Female**  
091380



*Note: Pins are the solderable type and are pre-inserted into the receptacle. Strain relief clamp #073 332 needs to be ordered separately w/cord-mounted connections.*

**Panel-Mounted Female**  
139268



**Cord-Mounted Male**  
146212



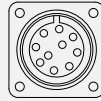
**Cord-Mounted Female**  
146213



*Note: Pins are the solderable type and are pre-inserted into the receptacle. Strain relief clamp 073332 needs to be ordered separately w/cord-mounted connections.*

## 10-Pin Amp Plastic Connectors

**Panel-Mounted Female**



**221777** Kit (consists of)  
**189238** Receptacle  
**134733** Sockets (Qty 10)

**Cord-Mounted Male**



**217292** Kit (consists of)  
**190294** Connector  
**134731** Pins (Qty 10)  
**134732** Pins (Qty 10)  
**079739** Clamp  
**143922** Clamp

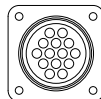
**Cord-Mounted Female**



**222857** Kit (consists of)  
**207194** Connector  
**079534** Sockets (Qty 10)  
**141685** Sockets (Qty 10)  
**079739** Clamp  
**143922** Clamp

## 14-Pin Amphenol Plastic Connectors (Size 20)

**Panel-Mounted Female**



**143976** Kit (consists of)  
**134735** Receptacle  
**079534** Sockets (Qty 15)

**Cord-Mounted Male**



**141162** Kit (14-18 ga wire)  
**134734** Connector  
**134 731** Pins (Qty 15)  
**079739** Clamp  
**143922** Clamp

**Cord-Mounted Female**



**152369** Kit (consists of)  
**143424** Connector  
**079534** Sockets (Qty 15)  
**079739** Clamp  
**143922** Clamp

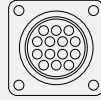
**143976** Kit (consists of)  
**134735** Receptacle  
**079534** Sockets (Qty 15)

**144310** Kit (20-24 ga wire)  
**134734** Connector  
**134732** Pins (Qty 15)  
**079739** Clamp  
**143922** Clamp

**152568** Kit (consists of)  
**143424** Connector  
**141685** Sockets (Qty 15)  
**079739** Clamp  
**143922** Clamp

## 14-Pin Amphenol Plastic Connectors (Size 17)

**Panel-Mounted Female**



**047637** Kit (consists of)  
**048286** Receptacle  
**079534** Sockets (Qty 15)

**Cord-Mounted Male**



**047636** Kit (consists of)  
**048287** Connector  
**079535** Pins (Qty 15)

**Cord-Mounted Female**



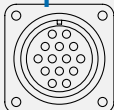
**071892** Kit (consists of)  
**045349** Connector  
**079534** Sockets (Qty 15)

*Note: Strain relief clamp 079739 needs to be ordered separately with cord-mounted connections.*

# ACCESSORIES & SERVICE PARTS

## 14-Pin Amphenol Metal Connectors

**Panel-Mounted Female**



086022 Receptacle

**Cord-Mounted Male**



136961 Kit (consists of)  
094481 Connector  
116964 Clamp

**Cord-Mounted Female**

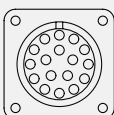


136960 Kit (consists of)  
137301 Connector  
116964 Clamp

*Note: Pins are the solderable type and are pre-inserted into the receptacle.*

## 17-Pin Amphenol Metal Connectors

**Panel-Mounted Female**

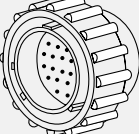


097869

*Note: Pins are the solderable type and are pre-inserted into the receptacle. Strain relief clamp 073296 needs to be ordered separately w/cord-mounted connections.*

## 28-Pin Amphenol Plastic Connector (Size-17)

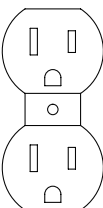
**Panel-Mounted Female**



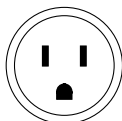
218715

## Connector Bodies, Plugs and Receptacles

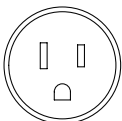
**15A, 125V Panel-Mounted Female**



604176

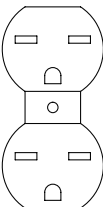


**15A, 125V Cord-Mounted Male**  
073690

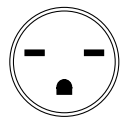


**15A, 125V Cord-Mounted Female**  
124150

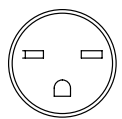
**15A, 250V Panel-Mounted Female**



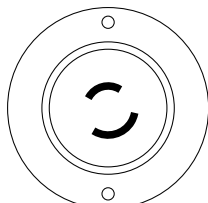
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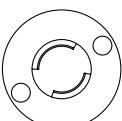
**15A, 250V Cord-Mounted Male**  
025234



**Cord-Mounted Female**  
603029



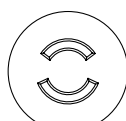
**20A, 250V Panel-Mounted Male**  
141840



**20A, 250V Cord-Mounted Female**  
039635



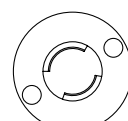
**20A, 250V Cord-Mounted Male**  
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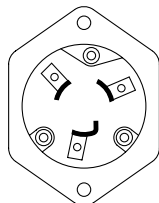
**20A, 250V Panel-Mounted Female**  
039602



**20A, 250V Cord-Mounted Male**  
039618



**20A, 250V Cord-Mounted Female**  
039635



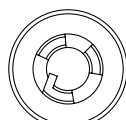
**15A Panel-Mounted Male**  
056665



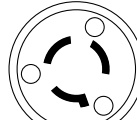
**15A, 277V Cord-Mounted Male**  
039687



**15A, 277V Cord-Mounted Female**  
056442



**15A, 277V Panel-Mounted Female**  
039686



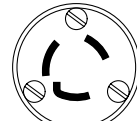
**15A, 250V Cord-Mounted Male**  
035494



**Cord-Mounted Female**  
035492



**Panel-Mounted Female**  
035493



**15A, 125V Cord-Mounted Male**  
032898



**Cord-Mounted Female**  
035243



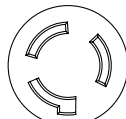
**15A, 125V Panel-Mounted Female**  
032897



**20A, 125V Cord-Mounted Male**  
605797



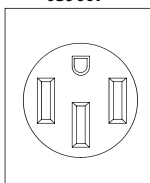
**20A, 125V Cord-Mounted Female**  
080280



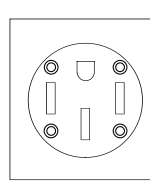
**20A, 250V Panel-Mounted Female**  
039607



**50A, 125/250V Cord-Mounted Male**  
119172



**50A, 125/250V Flanged-Mounted Female**  
164704 117512



**50A, 125/250V Panel-Mounted Female**  
182954



## Cable Connectors

### Cam-Lok Twistlock Receptacles/Connectors

| Item # | Part #        | Description                                    | Color | Cable Capacity             |
|--------|---------------|------------------------------------------------|-------|----------------------------|
| 1      | <b>039628</b> | Receptacle, Insul. (Female)                    | Black | No. 2/0 – 3/0 (25 – 70 mm) |
|        | <b>039638</b> | Receptacle, Insul. (Female)                    | Black | No. 3/0 – 4/0 (70 – 95 mm) |
| 2      | <b>056271</b> | Receptacle, Uninsul. (Male)                    | Black | —                          |
| 3      | <b>039633</b> | Connector, Insul. Set Scr.<br>(In-Line Female) | Red   | No. 1/0 – 3/0 (50 – 70 mm) |
| 4      | <b>039629</b> | Connector, Insul. Set Scr. (Male)              | Red   | No. 2 – 1/0 (35 – 50 mm)   |
|        | <b>039630</b> | Connector, Insul. Set Scr. (Male)              | Red   | No. 1/0 – 3/0 (50 – 70 mm) |
|        | <b>039639</b> | Connector, Insul. Set Scr. (Male)              | Red   | No. 3/0 – 4/0 (70 – 95 mm) |

<sup>1</sup>For In-Line Connections, use with 039629 or 039630.

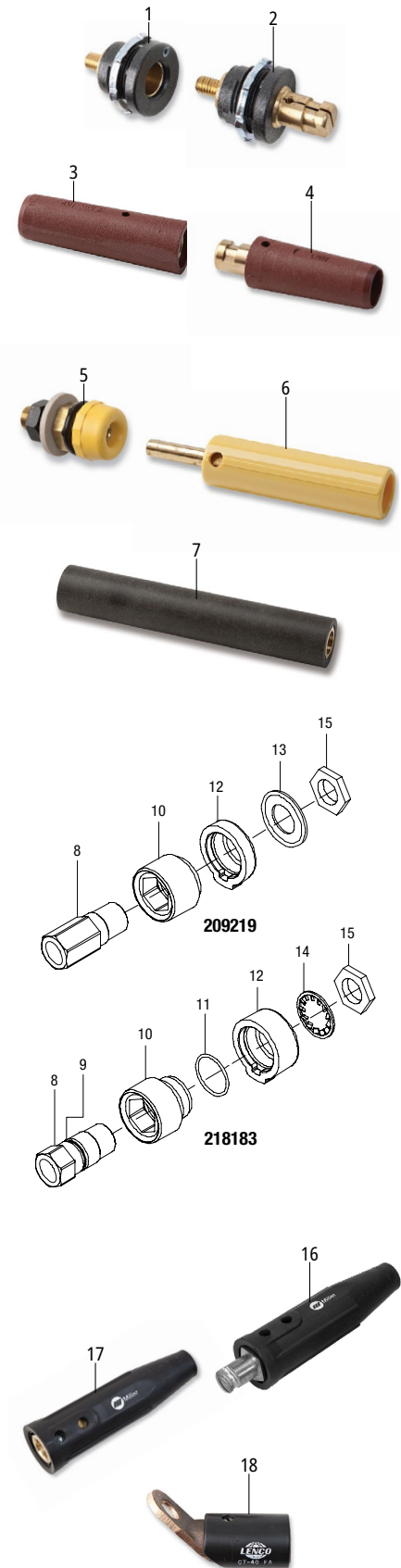
### Miller Receptacles/Connectors (Jack Plugs)

| Item # | Part #        | Description                    | Color  | Cable Capacity |
|--------|---------------|--------------------------------|--------|----------------|
| 5      | <b>039801</b> | Receptacle, Insulated (Female) | Black  | —              |
|        | <b>039800</b> | Receptacle, Insulated (Female) | Red    | —              |
|        | <b>057608</b> | Receptacle, Insulated (Female) | Yellow | —              |
| 6      | <b>039901</b> | Plug, Insulated (Male)         | Black  | No. 1 – 4      |
|        | <b>039608</b> | Plug, Insulated (Male)         | Red    | No. 1 – 4      |
|        | <b>039878</b> | Plug, Insulated (Male)         | Yellow | No. 1 – 4      |
| 7      | <b>039611</b> | Connector, Insulated (Female)  | Black  | No. 1 – 4      |

<sup>2</sup>For In-Line Connections (Quick-Connect).

### Tweco-Style Twistlock Receptacles/Connectors

| Item # | Part #        | Part #        | Description                                                     |
|--------|---------------|---------------|-----------------------------------------------------------------|
|        | <b>209219</b> | <b>218183</b> | Receptacle Assembly (Female)                                    |
| 8      | <b>208431</b> | <b>209473</b> | Receptacle, Brass (Female)                                      |
| 9      | —             | <b>186228</b> | O-Ring, 0.739 ID x 0.070 H                                      |
| 10     | —             | <b>185712</b> | Insulator, bulkhead front                                       |
| 11     | —             | <b>185718</b> | O-Ring, 0.989 ID x 0.070 H                                      |
| 12     | —             | <b>185713</b> | Insulator, bulkhead rear                                        |
| 13     | <b>229338</b> | —             | Washer, domed load .812 ID x 1.450 OD x .070 THK                |
| 14     | —             | <b>185714</b> | Tooth washer, 1 mm intern                                       |
| 15     | <b>185717</b> | <b>185717</b> | Nut, M20-1.5 1.00 Hex .19 H BRS locking                         |
| 16     | <b>191981</b> | <b>191981</b> | Connector, Insulated (Male), No. 4 – 1/0 - 2/0 (25 – 50 mm)     |
| 17     | <b>218677</b> | <b>218677</b> | Connector, Insulated (Female), No. 4 – 1/0 - 2/0 (25 – 50 mm)   |
| 18     | <b>218678</b> | <b>218678</b> | Adapter, Threaded Stud to Tweco (stud hole dia. 5/8 in)         |
|        | <b>242250</b> | <b>242250</b> | Connector, TW LK Insulated Male (Tweco-Lenco Type) HD 3/0-4/0   |
|        | <b>242251</b> | <b>242251</b> | Connector, TW LK Insulated Female (Tweco-Lenco Type) HD 3/0-4/0 |









## Electrode Holders

| Part # | Amperage Capacity | Electrode Capacity | Cable Capacity   | Length            | Weight        |
|--------|-------------------|--------------------|------------------|-------------------|---------------|
| PA532  | 200               | 5/32 in (4.0 mm)   | No. 2/0 (70 mm)  | 8-1/2 in (215 mm) | 15 oz (415 g) |
| PA316  | 250               | 3/16 in (4.8 mm)   | No. 2/0 (70 mm)  | 9-1/4 in (235 mm) | 16 oz (450 g) |
| PA732  | 300               | 7/32 in (5.6 mm)   | No. 2/0 (70 mm)  | 10 in (250 mm)    | 19 oz (530 g) |
| PA14HD | 400               | 1/4 in (6.4 mm)    | No. 4/0 (105 mm) | 11 in (280 mm)    | 23 oz (650 g) |

Electrode complete - no insulator replacements available

### Features include:

- Ergonomic — High lever design for greater grip and hand clearance
- Lightweight and easy-to-use
- Fully insulated, high-strength springs for excellent gripping power
- Heavy-duty, shock-proof nylon handle
- Grooved jaw design insures firm electrode grip
- High-impact, high-temperature fiberglass tip insulators
- Professional series features high copper alloy tongs, utility series features brass tongs
- Holders supplied with allen wrench and cable connections ferrule assuring efficient connections

## Work Clamps

| Part #        | Amperage Capacity | Electrode Capacity* | Cable Capacity          | Length         | Weight        |
|---------------|-------------------|---------------------|-------------------------|----------------|---------------|
| EG200         | 200               | 1-1/2 in (40 mm)    | No. 6-4 (10-16 mm)      | 7 in (175 mm)  | 7 oz (199 g)  |
| EG300 (EG500) | 300               | 2 in (50 mm)        | No. 2-1 (25-35 mm)      | 8 in (200 mm)  | 14 oz (390 g) |
| EG500         | 500               | 2 in (50 mm)        | No. 1/0-4/0 (50-105 mm) | 10 in (245 mm) | 17 oz (490 g) |
| PGC200        | 200               | 1 in (25 mm)        | No. 1-1/0 (35-50 mm)    | 6 in (150 mm)  | 16 oz (445 g) |
| PGC300        | 300               | 1-1/2 in (40 mm)    | No. 1/0-3/0 (50-95 mm)  | 8 in (200 mm)  | 25 oz (715 g) |
| MGC300        | 300               | —                   | No. 1-1/0 (35-50 mm)    | —              | 21 oz (600 g) |
| 203988        | 180               | 1-1/2 in (40 mm)    | 2 in (25 mm)            | 7 in (175 mm)  | 9 oz (255 g)  |
| 280484        | 200               | —                   | —                       | —              | —             |
| 213619        | 300               | 2 in (50 mm)        | 1/0 (50 mm)             | 8 in (200 mm)  | 13 oz (368 g) |
| 010368        | 200               | 1-1/2 in (40 mm)    | No. 4                   | 6 in           | 5 oz (142 g)  |
| 233452        | 300               | 2 in (50 mm)        | No. 4-2                 | 8 in           | 10 oz (290 g) |
| 257796        | 200               | 2 in (50 mm)        | No. 6                   | 6-1/4 in       | 6 oz (168 g)  |
| 235116        | 600               | 2 in (50 mm)        | No. 3/0-4/0 (70-95 mm)  | 6-1/4 in       | 6 oz (168 g)  |

\*Jaw Distance

### EG Series — Steel Work Clamps

- Zinc plated
- Large hex screw cable connection assures safe cable connection every time
- Pure copper braided shunts on EG500 allows both jaws to carry welding current

### PGC Series — Copper Alloy

- Contoured handle lever for easy jaw opening
- Strong gripping power
- Large contact area assures positive grounding
- Fully insulated spring
- Conductor body holds the cable securely
- Large hex screw cable connection assures safe cable connection every time

PA532



PA316  
PA14HD



PA532,  
PA316,  
PA732



PA14HD



EG500



PGC300



257796

213619



010368

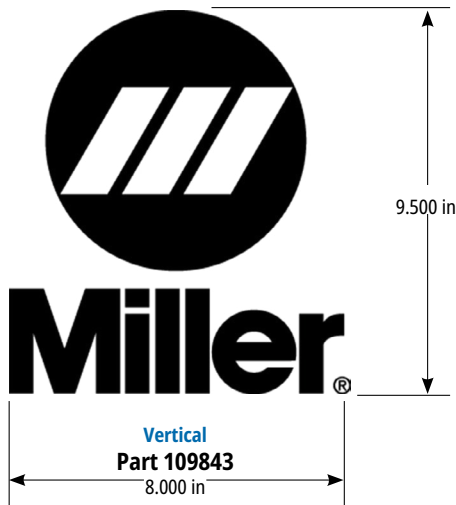


203988

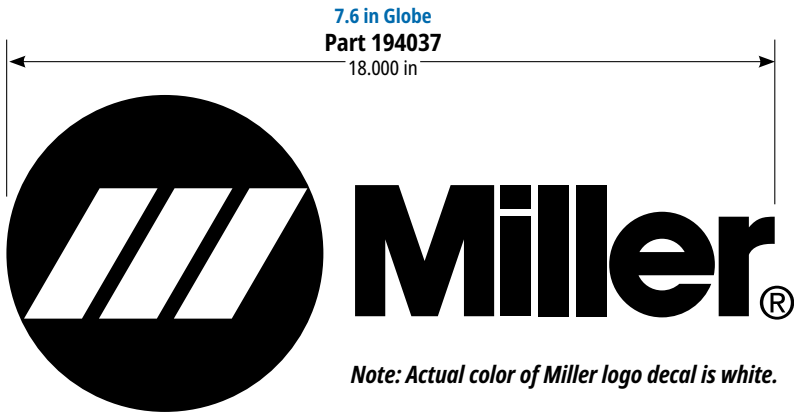
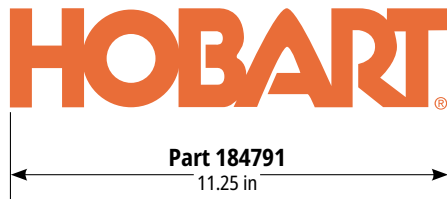
Miller/Hobart  
Replacement Labels

| Part # | Description | Format     | Height   | Width     | Color           |
|--------|-------------|------------|----------|-----------|-----------------|
| 124462 | Miller      | Horizontal | 1.625 in | 3.750 in  | White/Blue Bkgd |
| 109844 | Miller      | Horizontal | 2.500 in | 6.000 in  | White/Blue Bkgd |
| 115496 | Miller      | Horizontal | 3.500 in | 8.250 in  | White/Blue Bkgd |
| 119503 | Miller      | Horizontal | 4.000 in | 9.562 in  | White/Blue Bkgd |
| 234534 | Miller      | Horizontal | 5.250 in | 12.437 in | White/Blue Bkgd |
| 194037 | Miller      | Horizontal | 7.600 in | 18.000 in | White/Blue Bkgd |
| 109838 | Miller      | Vertical   | 1.562 in | 1.312 in  | White/Blue Bkgd |
| 109839 | Miller      | Vertical   | 3.000 in | 2.500 in  | White/Blue Bkgd |
| 109840 | Miller      | Vertical   | 4.500 in | 3.750 in  | White/Blue Bkgd |
| 109841 | Miller      | Vertical   | 6.000 in | 5.125 in  | White           |
| 109842 | Miller      | Vertical   | 7.750 in | 6.500 in  | White/Blue Bkgd |
| 109843 | Miller      | Vertical   | 9.500 in | 8.000 in  | White           |
| 184791 | Hobart      | Horizontal | 2.5 in   | 11.250 in | Orange          |

Nothing completes the repair and repaint of a machine like the addition of the original equipment factory fresh decals. Above is a complete list of the wide variety of sizes available in both the horizontal and vertical formats. For the availability of complete machine decal kits, please contact Miller Service Parts at 1-866-931-9730.



*Note: Actual color of Miller logo decal is white.*



*Note: Actual color of Miller logo decal is white.*



*Note: Actual color of Miller logo decal is white.*

# TRUE BLUE<sup>®</sup>

## WARRANTY



Effective January 1, 2025 (Equipment with a serial number preface of NF or newer)

This limited warranty supersedes all previous Miller warranties and is exclusive with no other guarantees or warranties expressed or implied.

**LIMITED WARRANTY** - Subject to the terms and conditions below, Miller Electric Mfg. LLC, Appleton, Wisconsin, warrants to authorized distributors that new Miller equipment sold after the effective date of this limited warranty is free of defects in material and workmanship at the time it is shipped by Miller. **THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.**

Within the warranty periods listed below, Miller will repair or replace any warranted parts or components that fail due to such defects in material or workmanship. Notifications submitted as online warranty claims must provide detailed descriptions of the fault and troubleshooting steps taken to diagnose failed parts. Warranty claims that lack the required information as defined in the Miller Service Operation Guide (SOG) may be denied by Miller.

Miller shall honor warranty claims on warranted equipment listed below in the event of a defect within the warranty coverage time periods listed below. Warranty time periods start on the delivery date of the equipment to the end-user purchaser.

### 1 5 Years Parts — 3 Years Labor

- Original Main Power Rectifiers Only to Include SCRs, Diodes, and Discrete Rectifier Modules in non-inverter products

### 2 4 Years Parts (No Labor)

- Auto-Darkening ClearLight 2.0 and 4x Helmet Lenses

### 3 3 Years — Parts and Labor Unless Specified

- Auto-Darkening Helmet Lenses (No Labor)
- Copilot Collaborative Welding Systems
- Engine Driven Welder/Generators (Including EnPak) (**NOTE: Engines are Warranted Separately by the Engine Manufacturer.**)
- Handheld Laser Power Sources
- Insight Welding Intelligence Products (Except External Sensors)
- Inverter Power Sources
- Plasma Arc Cutting Power Sources
- Process Controllers
- Semi-Automatic and Automatic Wire Feeders
- Transformer/Rectifier Power Sources

### 4 2 Years — Parts and Labor

- Auto-Darkening Weld Masks (No Labor)
- Fume Extractors - Filtair 215, Capture 5, Purifier, and Industrial Collector Series

### 5 1 Year — Parts and Labor Unless Specified

- ArcReach Heater
- AugmentedArc, LiveArc, and MobileArc Welding Systems
- Automatic Motion Devices
- Bernard BTB Air-Cooled MIG Guns (No Labor)
- CoolBelt, PAPR Blower, and PAPR Face Shield (No Labor)
- Desiccant Air Dryer System

- Field Options (**NOTE: Field options are covered for the remaining warranty period of the product they are installed in, or for a minimum of one year — whichever is greater.**)

- RFCS Foot Controls (Except RFCS-RJ45)
- Fume Extractors - Filtair 130, MWX and SWX Series, Standard, Telescopic, and ZoneFlow Extraction Arms and Motor Control Box
- Handheld Laser Torches (No Labor)
- HF Units
- Induction Heating Power Sources, Coolers (**NOTE: Digital Recorders are Warranted Separately by the Manufacturer.**)
- Insight Sensors
- Laser Welding Helmets (No Labor)
- Load Banks
- MDX Series MIG Guns (No Labor)
- Motor-Driven Guns
- Positioners and Controllers
- Racks (For Housing Multiple Power Sources)
- Running Gear/Trailers
- Spoolmate Spoolguns (No Labor)
- Subarc Wire Drive Assemblies
- Supplied Air Respirator (SAR) Boxes and Panels
- TIG Torches (No Labor)
- Tregaskiss Guns (No Labor)
- Water Cooling Systems
- Wireless Remote Foot/Hand Controls and Receivers
- Work Stations/Weld Tables/Weld Booths (No Labor)
- XT Plasma Cutting Torches (No Labor)

### 6 6 Months — Parts

- 12 Volt Automotive-Style Batteries

### 7 90 Days — Parts

- Accessories (Kits)
- ArcReach Heater Quick Wrap and Air Cooled Cables
- Canvas Covers
- Induction Heating Coils and Blankets, Cables, Rolling Inductor, and Non-Electronic Controls
- M-Guns
- MIG Guns, Subarc (SAW) Torches, and External Cladding Heads
- Remote Controls and RFCS-RJ45
- Replacement Parts (No labor)

Miller's True Blue<sup>®</sup> Limited Warranty shall not apply to:

1. Consumable components; such as contact tips, cutting nozzles, contactors, brushes, relays, work station table tops and welding curtains, or parts that fail due to normal wear. (Exception: brushes and relays are covered on all engine-driven products.)
2. Items furnished by Miller, but manufactured by others, such as engines or trade accessories. These items are covered by the manufacturer's warranty, if any.
3. Equipment that has been modified by any party other than Miller, or equipment that has been improperly installed, improperly operated or

misused based upon industry standards, or equipment which has not had reasonable and necessary maintenance, or equipment which has been used for operation outside of the specifications for the equipment.

4. Defects caused by accident, unauthorized repair, or improper testing.

MILLER PRODUCTS ARE INTENDED FOR COMMERCIAL AND INDUSTRIAL USERS TRAINED AND EXPERIENCED IN THE USE AND MAINTENANCE OF WELDING EQUIPMENT.

The exclusive remedies for warranty claims are, at Miller's option, either: (1) repair; or (2) replacement; or, if approved in writing by Miller, (3) the pre-approved cost of repair or replacement at an authorized Miller service station; or (4) payment of or credit for the purchase price (less reasonable depreciation based upon use). Products may not be returned without Miller's written approval. Return shipment shall be at customer's risk and expense.

The above remedies are F.O.B. Appleton, WI, or Miller's authorized service facility. Transportation and freight are the customer's responsibility. TO THE EXTENT PERMITTED BY LAW, THE REMEDIES HEREIN ARE THE SOLE AND EXCLUSIVE REMEDIES REGARDLESS OF THE LEGAL THEORY. IN NO EVENT SHALL MILLER BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOSS OF PROFIT) REGARDLESS OF THE LEGAL THEORY. ANY WARRANTY NOT PROVIDED HEREIN AND ANY IMPLIED WARRANTY, GUARANTY, OR REPRESENTATION, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, ARE EXCLUDED AND DISCLAIMED BY MILLER.

Some US states do not allow limiting the duration of an implied warranty or the exclusion of certain damages, so the above limitations may not apply to you. This warranty provides specific legal rights, and other rights may be available depending on your state. In Canada, some provinces provide additional warranties or remedies, and to the extent the law prohibits their waiver, the limitations set out above may not apply. This Limited Warranty provides specific legal rights, and other rights may be available, but may vary by province.

## Warranty Questions?

Call 1-800-4-A-MILLER for your local Miller distributor.

Your distributor also gives you...

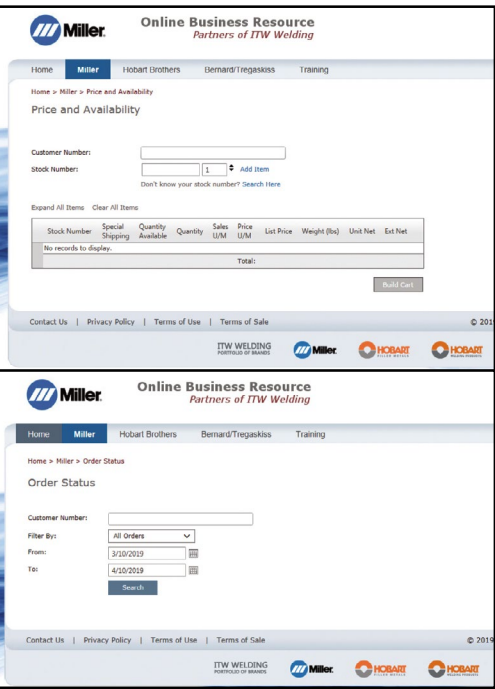
### Service

You always get the fast, reliable response you need. Most replacement parts can be in your hands in 24 hours.

### Support

Need fast answers to the tough welding questions? The expertise of the distributor and Miller is there to help you, every step of the way.

# Miller Signature Service



Enroll in our secure business-to-business website for industrial distributors, retail centers and rental businesses of ITW Welding Products. This password-protected site enables you to obtain up-to-the-minute account activity, product information and more. It's easy, convenient and available 24 hours a day, 7 days a week.

## Extranet <https://partners.itw welds.com>

The Distributor Extranet, located at <https://partners.itw welds.com>, is a secure, private website that offers personalized information to Miller distributors. It gives distributors the ability to check order status, track shipments, or check price and availability, whenever it is convenient — 24 hours a day, 7 days a week. It also provides access to product specification sheets, new product information, and gives you the ability to order sales tools online.

Because much of what you'll find at this site applies specifically to your company, a username and password are required to gain access. Controlled access to this information is very important for Miller and the distributor, which is why a formal "enrollment process" is required.

## On-Line Enrollment Process

Distributor management visit <https://partners.itw welds.com> and click on "Register now", and you will be able to establish a Web Access Coordinator (WAC) for your business. When approved, the WAC will have the ability to enable access for all other employees within the distributorship that you wish to have access.

## On-Line Service Parts Ordering

Once your business is enrolled on the Extranet, you'll have the added convenience of placing your Miller Service Parts orders online. Contact your Web Access Coordinator to enable this feature. Then you'll be able to link to it from the "Sales Navigation".

## Contacting us — Phone: 866-931-9730 Fax: 800-637-2315

|                                                     |                                                                                                                                                                      |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Option 1<br/>Orders</b>                          | This option will get you to our experts in Customer Service for checking order status, prices, and availability.                                                     |
| <div>1</div> <div>Place/expedite order or RGA</div> | <div>2</div> <div>Have part number and need price and availability</div>                                                                                             |
| <b>Option 2<br/>Product Selection</b>               | This option will get you to our experts in Customer Service for checking order status, prices, and availability.                                                     |
| <div>1</div> <div>Machines &amp; Accessories</div>  | <div>2</div> <div>Parts Look-Up</div> <div>3</div> <div>Safety Product &amp; Helmets</div> <div>4</div> <div>Gas Equipment</div> <div>5</div> <div>TIG Torches</div> |
| <b>Option 3<br/>Warranty</b>                        | If you are looking for service warranty information or technical guidance with your Miller machine this is the option that will get you help.                        |
| <b>Option 4<br/>Promotions &amp; Rebates</b>        | This option is for questions regarding current Miller promotions and rebates, including Build with Blue.                                                             |
| <b>Option 8<br/>Contact by Name</b>                 | This option allows you to look up a person by name.                                                                                                                  |







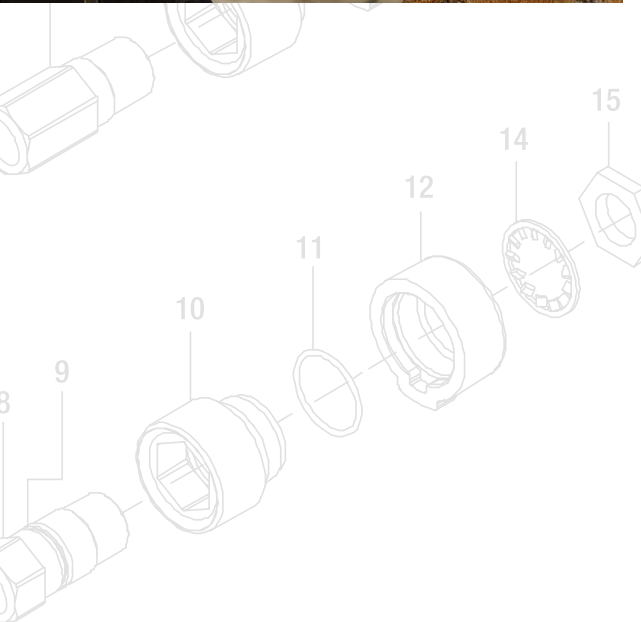
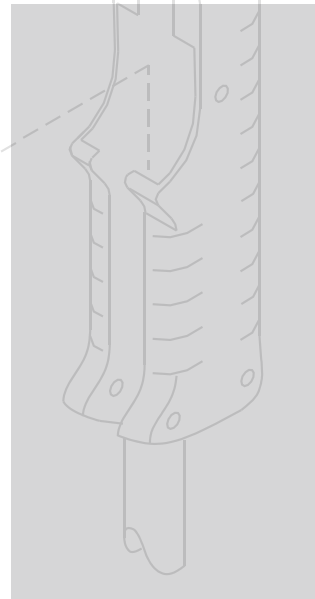
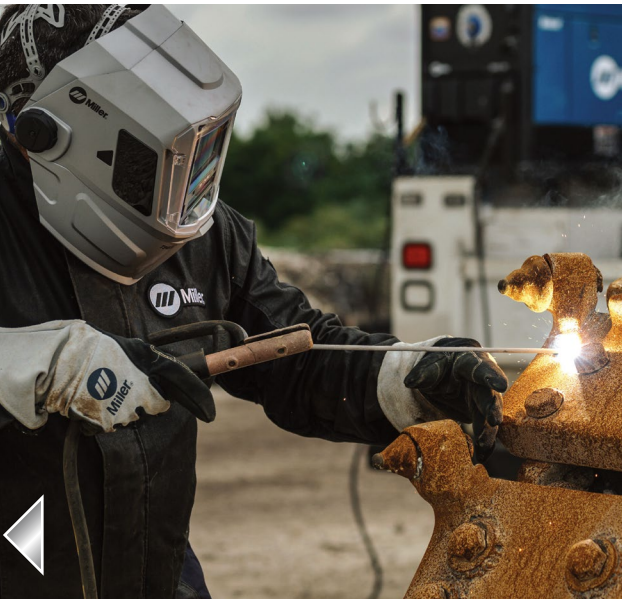




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