

# PLASMA

## TORCHES & CONSUMABLES



TORCHES  
CONVERSION KITS  
CONSUMABLES  
REPLACEMENT PARTS

American Torch Tip *PHD*®, *PHDX*™ and Most Other Brands  
Made In the USA

AMERICAN  
TORCH TIP **ATTC**®

## PLASMA TABLE OF CONTENTS – BY BRAND

American Torch Tip	
PHDX™	3
PHD®	9
Binzel®	17
Cebora®	19
Centricut®	22
Century®	23
Daihen®	24
Daytona®	26
Esab/L-Tec®	27
Harris®	45
Hitachi®	46
Hobart®	47
Hypertherm®	50
Jiangnan®	88
Kaliburn® (Inner Logic)®	89
Kjellberg	92
Koike®	94
Komatsu®	96
Lincoln®	102
Messer® / MG®	104
Miller®	105
Multi Quip®	114
Nu-Teksys	115
Panasonic®	117
P-Tron®	119
Sacheron®	120
SAF®	120
Sip®	121
Smith Merkle®	121
Solar®	122
Taiwan Plasma Company®	123
Thermal Dynamics®	124
Weidemann®	143
Whitney®	144
WTC®	145

**260 PHDX<sup>™</sup> SERIES (50 – 260 AMP) TORCH KITS**

**PLASMA**

Part #	Amperage	Power Supply	Plasma Gas	Shield Gas	Material	Notes
90-7901	260	260X	O <sub>2</sub>	Air	Mild Steel	Standard Cutting
90-7902	200	260X	O <sub>2</sub>	Air	Mild Steel	Standard Cutting
90-7903	130	260X	O <sub>2</sub>	Air	Mild Steel	Standard Cutting
90-7904	80	260X	O <sub>2</sub>	Air	Mild Steel	Standard Cutting
90-7905	50	260X	O <sub>2</sub>	Air	Mild Steel	Standard Cutting
90-7907	260	260X	O <sub>2</sub>	Air	Mild Steel	Bevel Cutting
90-7910	130	260X	O <sub>2</sub>	Air	Mild Steel	Bevel Cutting

**PLASMA HIGH DENSITY**

**Lower Operating Costs**

Test results show PHDX<sup>™</sup> torches and consumables result in a clean-cut profile, negligible unintended bevel and easily removable dross.

**Lifetime Warranty**

The best torch warranty in the industry.

**Made in the USA**

Engineered to stringent tolerances.

**Quality Checked**

Torches are helium leak tested. Consumables are vision tested.

**Kit Includes**

- 1 Quick Disconnect Torch
- 10 Electrodes
- 10 Nozzles
- 2 Swirl Rings
- 1 Nozzle Retaining Cap
- 2 Shields
- 1 Shield Cap
- 1 Consumable Removal Tool
- 1 Water Tube Removal Tool
- 1 1/4oz. Silicon Lubricant
- 1 O-ring Kit

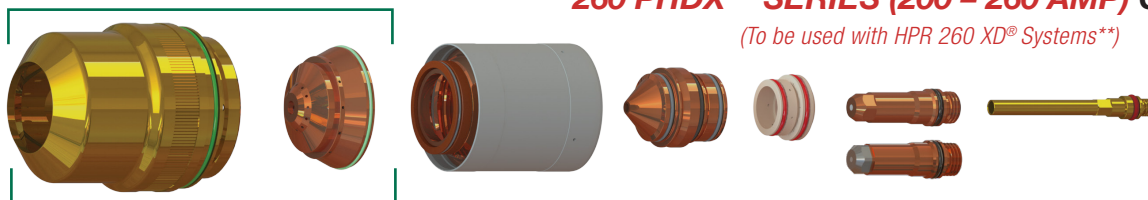


(Kits available for Hypertherm® 260XD system) \*\*

**260 PHDX™ SERIES (50 – 130 AMP) CONSUMABLES**
*(To be used with HPR 260 XD® Systems\*\*)*

*(Typical setup shown. Parts for your application may look slightly different)*

Amperage	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
50	90-0747	90-0555	90-0754	90-0554	90-0553	90-0552	90-0340
80	90-0747	90-0189	90-0756	90-0188	90-0179	90-0187	90-0340
130	90-0747	90-0183	90-0756	90-0182	90-0179	90-0181	90-0340
130	90-0747	90-0183	90-0756	90-0182	90-0179	90-0665 (silver)	90-0340
<b>Stainless Steel</b>							
45	90-0747	90-0202	90-0755	90-0201	90-0180	90-0308	90-0340
80	90-0747	90-0338	90-0755	90-0337	90-0179	90-0339	90-0340
130	90-0747	90-0198	90-0755 (H35) 90-0756 (N2)	90-0197	90-0179	90-0307	90-0340
<b>Aluminum</b>							
45	90-0747	90-0202	90-0756	90-0201	90-0180	90-0308	90-0340
130	90-0747	90-0198	90-0755 (H35) 90-0756 (Air)	90-0197	90-0179	90-0307 (H35) 90-0181 (Air)	90-0340

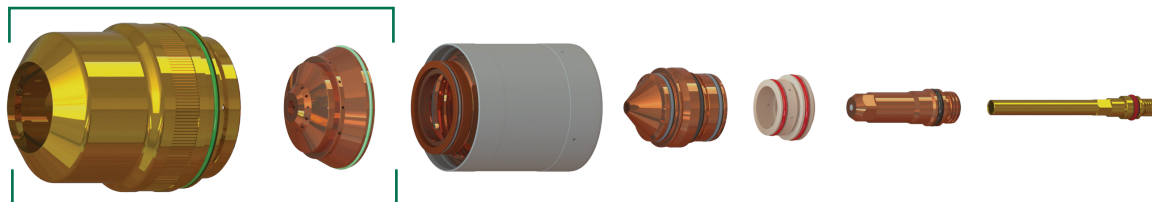
**260 PHDX™ SERIES (200 – 260 AMP) CONSUMABLES**
*(To be used with HPR 260 XD® Systems\*\*)*


† Shield Cap and Shield must be used in combination for proper operation.

Amperage	† Shield Cap	† Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
200	90-0637	90-0761	*220757	90-0354	90-0353	90-0352	90-0340
200	90-0637	90-0761	*220757	90-0354	90-0353	90-0666 (silver)	90-0340
260	90-0637	90-0764	*220760	90-0439	90-0436	90-0435	90-0340
260	90-0637	90-0764	*220760	90-0439	90-0436	90-0668 (silver)	90-0340
<b>Stainless Steel</b>							
200	90-0637	90-0762	*220758	90-0343	90-0342	90-0307	90-0340
260	90-0637	90-0763	*220758	90-0406	90-0405	90-0307	90-0340
<b>Aluminum</b>							
200	90-0637	90-0762	*220759	90-0346	90-0342	90-0307	90-0340
260	90-0637	90-0763	*220758	90-0406	90-0405	90-0307	90-0340

**260 PHDX™ SERIES (80 – 260 AMP) BEVELING CONSUMABLES**

(To be used with HPR 260 XD® Systems\*\*)



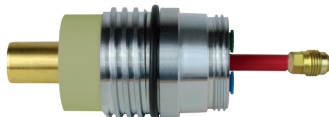
† Shield Cap and Shield must be used in combination for proper operation.

Amperage	† Shield Cap	† Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel - Beveling</b>							
80	90-0637	90-0742	*220845	90-0806	90-0179	90-0802	90-0700
130	90-0637	90-0742	*220740	90-0646	90-0179	90-0649	90-0700
200	90-0637	90-0658	*220845	90-0659	90-0353	90-0662	90-0700
260	90-0637	90-0741	*220740	90-0542	90-0436	90-0541	90-0571
<b>Stainless Steel - Beveling</b>							
130	90-0637	90-0738	*220739	90-0656	90-0179	90-0606	90-0571
260	90-0637	90-0738	*220739	90-0607	90-0405	90-0606	90-0571

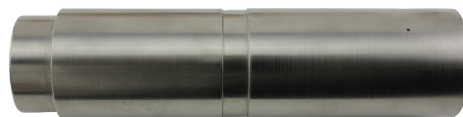
**260 PHDX™ SERIES (50 – 260 AMP) PARTS & ACCESSORIES**



90-0706  
Quick Disconnect Torch Body



90-0705  
Quick Disconnect Receptacle



90-0788  
Torch Mounting Sleeve Assembly Short 4.5"

90-8879  
Torch Kit: O-rings, Water Tube, Seal

90-8880  
Quick Disconnect Kit: O-ring, Connector

90-0789  
Torch Mounting Sleeve Assembly Standard 7"

90-0790  
Torch Mounting Sleeve Assembly Long 9"



60-0000  
Water Tube Removal Tool



60-4119  
Consumable Removal Tool

**CleanCut™**

**Next-Generation Plasma Consumables  
are available for the 260 PHDX™ series.**

**Click here for Free Trial!**

**400 PHDX™ SERIES (50 – 400 AMP) TORCH KITS**
**PLASMA**

Part #	Amperage	Power Supply	Plasma Gas	Shield Gas	Material	Notes
90-7900	400 amp	400X	O <sub>2</sub>	Air	Mild Steel	Straight & Bevel Cutting
90-7901	260 amp	400X	O <sub>2</sub>	Air	Mild Steel	Standard Cutting
90-7902	200 amp	400X	O <sub>2</sub>	Air	Mild Steel	Standard Cutting
90-7903	130 amp	400X	O <sub>2</sub>	Air	Mild Steel	Standard Cutting
90-7904	80 amp	400X	O <sub>2</sub>	Air	Mild Steel	Standard Cutting
90-7905	50 amp	400X	O <sub>2</sub>	Air	Mild Steel	Standard Cutting
90-7907	260 amp	400X	O <sub>2</sub>	Air	Mild Steel	Bevel Cutting
90-7910	130 amp	400X	O <sub>2</sub>	Air	Mild Steel	Bevel Cutting

**PLASMA HIGH DENSITY**
**Lower Rework Costs**

- Bevel less than 2°
- Minimal dross

**Quality Checked**

- Torches are Cognex tested
- All consumables are tested for dimensional accuracy

**Lifetime Warranty**

- The best torch warranty in the industry

**Kit Includes**

- 1 Quick Disconnect Torch
- 10 Electrodes
- 10 Nozzles
- 2 Swirl Rings
- 1 Nozzle Retaining Cap
- 2 Shields
- 1 Shield Cap
- 1 Consumable Removal Tool
- 1 Water Tube Removal Tool
- 1 1/4oz. Silicone Lubricant
- 1 O-ring Kit



(Kits available for Hypertherm® 400XD system) \*\*

**400 PHDX<sup>™</sup> SERIES (50 – 130 AMP) CONSUMABLES**



(Typical setup shown. Parts for your application may look slightly different)

Amperage	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
50	90-0747	90-0555	90-0754	90-0554	90-0553	90-0552	90-0340
80	90-0747	90-0189	90-0756	90-0188	90-0179	90-0187	90-0340
130	90-0747	90-0183	90-0756	90-0182	90-0179	90-0181 90-0665 (silver)	90-0340
<b>Stainless Steel</b>							
45	90-0747	90-0202	90-0755	90-0201	90-0180	90-0308	90-0340
80	90-0747	90-0338	90-0755	90-0337	90-0179	90-0339	90-0340
130	90-0747	90-0198	90-0755 (H35) 90-0756 (N2)	90-0197	90-0179	90-0307	90-0340
<b>Aluminum</b>							
45	90-0747	90-0202	90-0756	90-0201	90-0180	90-0308	90-0340
130	90-0747	90-0198	90-0755 (H35) 90-0756 (Air)	90-0197	90-0179	90-0307 (H35) 90-0181 (Air)	90-0340

**400 PHDX<sup>™</sup> SERIES (200 – 400 AMP) CONSUMABLES**  
(To be used with HPR 400 XD<sup>®</sup>) \*\*

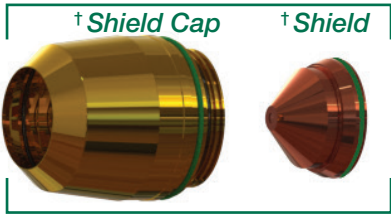


† These 2 parts (Shield Cap and Shield) must be used in combination for proper operation.

Amperage	† Shield Cap	† Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
200	90-0637	90-0761	*220757	90-0354	90-0353	90-0352 90-0666 (silver)	90-0340
260	90-0637	90-0764	*220760	90-0439	90-0436	90-0435 90-0668 (silver)	90-0340
<b>Stainless Steel</b>							
200	90-0637	90-0762	*220758	90-0343	90-0342	90-0307	90-0340
260	90-0637	90-0763	*220758	90-0406	90-0405	90-0307	90-0340
400	90-0637	90-0707	*220712	90-0708	90-0405	90-0709	90-0571
<b>Aluminum</b>							
200	90-0637	90-0762	*220759	90-0346	90-0342	90-0307	90-0340
260	90-0637	90-0763	*220758	90-0406	90-0405	90-0307	90-0340

(To be used with HPR 400 XD®) \*\*

400 PHDX™ SERIES (50 – 130 AMP) CONSUMABLES



† These 2 parts (Shield Cap and Shield) must be used in combination for proper operation.

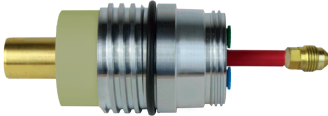


Amperage	† Shield Cap	† Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
Mild Steel - Beveling							
80	90-0637	90-0742	*220845	90-0806	90-0179	90-0802	90-0700
130	90-0637	90-0742	*220740	90-0646	90-0179	90-0649	90-0700
260	90-0637	90-0741	*220740	90-0542	90-0436	90-0541	90-0571
Stainless Steel - Beveling							
130	90-0637	90-0738	*220739	90-0656	90-0179	90-0606	90-0571
260	90-0637	90-0738	*220739	90-0607	90-0405	90-0606	90-0571

400 PHDX™ SERIES (50 – 400 AMP) PARTS & ACCESSORIES



90-0706  
Quick Disconnect Torch Body



90-0705  
Quick Disconnect Receptacle



90-0788  
Torch Mounting Sleeve Assembly Short 4.5"

90-8879  
Torch Kit: O-rings, Water Tube, Seal

90-8880  
Quick Disconnect Kit: O-ring, Connector

90-0789  
Torch Mounting Sleeve Assembly Standard 7"

90-0790  
Torch Mounting Sleeve Assembly Long 9"



60-0000  
Water Tube Removal Tool



60-4119  
Consumable Removal Tool

American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

## AMERICAN TORCH TIP - PHD<sup>®</sup>

### PHD<sup>®</sup> 260 (50 – 260 AMP) TORCH CONVERSION KITS

Part #	Amperage	Power Supply	Plasma Gas	Shield Gas	Material	Notes
60-9901	260	260	O <sub>2</sub>	Air	Mild Steel	
60-9902	200	260	O <sub>2</sub>	Air	Mild Steel	
60-9903	130	260	O <sub>2</sub>	Air	Mild Steel	
60-9904	80	260	O <sub>2</sub>	Air	Mild Steel	
60-9905	50	260	O <sub>2</sub>	Air	Mild Steel	
60-9907	260	260	O <sub>2</sub>	Air	Mild Steel	Bevel
60-9910	130	260	O <sub>2</sub>	Air	Mild Steel	Bevel

**PLASMA**

#### Lower Operating Costs

Quick Disconnect torch reduces down time for consumable replacement

Longer Lasting Consumables

#### Better Cuts

Stronger piercing capability

Cleaner cut eliminates costly secondary operations

Reduced bevel angle down to 1°

#### Lifetime Warranty

Longest warranty period in the industry

#### Kits Available For

HPR<sup>®</sup>-260

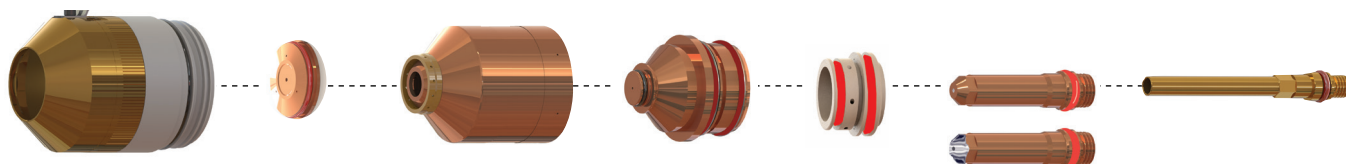
#### Made in the U.S.

Engineered and manufactured to stringent tolerances

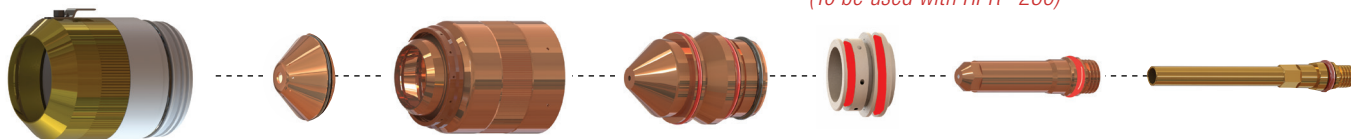
#### Kit Includes

- 1 Quick Disconnect Torch
- 10 Electrodes
- 10 Nozzles
- 2 Swirl Rings
- 1 Inner Retaining Cap
- 2 Shields
- 1 Outer Retaining Cap
- 1 Consumable Removal Tool
- 1 Water Tube Removal Tool
- 1 1/4oz. Silicon Lubricant
- 1 O-ring Kit



**AMERICAN TORCH TIP - PHD®****PHD® 260 (30 – 130 AMP) CONSUMABLES***(To be used with HPR® 260)**(Typical setup shown. Parts for your application may look slightly different)*

Amps	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
30	60-0173	60-0194	60-0313	60-0193	60-0180	60-0192	60-0340
50	60-0173	60-0555	60-0313	60-0554	60-0553	60-0552	60-0340
80	60-0173	60-0189	60-0176	60-0188	60-0179	60-0187	60-0340
130	60-0173	60-0183	60-0176	60-0182	60-0179	60-0181	60-0340
130	60-0173	60-0183	60-0176	60-0182	60-0179	60-0665 (silver)	60-0340
<b>Stainless Steel</b>							
45	60-0173	60-0202	60-0304	60-0201	60-0180	60-0308	60-0340
80	60-0173	60-0338	60-0304	60-0337	60-0179	60-0339	60-0340
130	60-0173	60-0198	60-0304 (H35) 60-0176 (N2)	60-0197	60-0179	60-0307	60-0340
<b>Aluminum</b>							
45	60-0173	60-0202	60-0176	60-0201	60-0180	60-0308	60-0340
130	60-0173	60-0198	60-0304 (H35) 60-0176 (air)	60-0197	60-0179	60-0307 (H35) 60-0181 (air)	60-0340

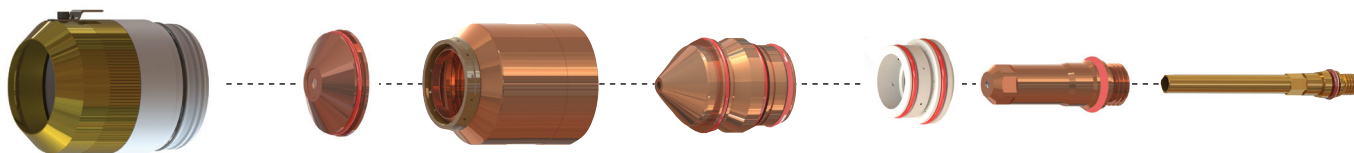
**BEVELING PHD 260 (130 AMP) CONSUMABLES***(To be used with HPR® 260)**(Typical setup shown. Parts for your application may look slightly different)*

Amps	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel - Beveling</b>							
130	60-0398	60-0545	60-0603	60-0646	60-0179	60-0649	60-0571
<b>Stainless Steel - Beveling</b>							
130	60-0398	60-0609	60-0608	60-0656	60-0179	60-0606	60-0571

## AMERICAN TORCH TIP - PHD<sup>®</sup>

### PHD<sup>®</sup> 260 (200– 260 AMP) CONSUMABLES

(To be used with HPR<sup>®</sup> 260)

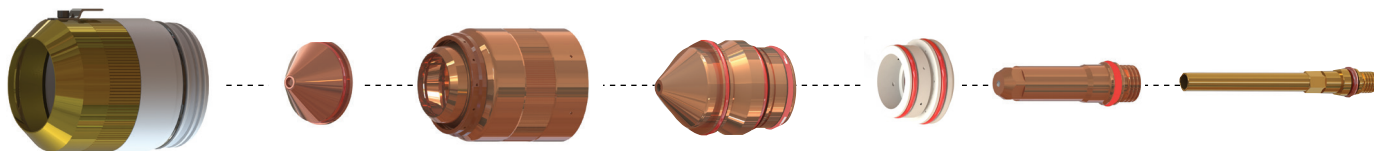


(Typical setup shown. Parts for your application may look slightly different)

Amps	Outer Retainer	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
200	60-0398	60-0356	60-0355	60-0354	60-0353	60-0352 60-0666 (silver)	60-0340
260	60-0398	60-0440	60-0433	60-0439	60-0436	60-0435 60-0668 (silver)	60-0340
<b>Stainless Steel</b>							
200	60-0398	60-0345	60-0344	60-0343	60-0342	60-0307	60-0340
260	60-0398	60-0407	60-0344	60-0406	60-0405	60-0307	60-0340
<b>Aluminum</b>							
200	60-0398	60-0345	60-0347	60-0346	60-0342	60-0307	60-0340
260	60-0398	60-0407	60-0344	60-0406	60-0405	60-0307	60-0340

### BEVELING PHD<sup>®</sup> 260 (260 AMP) CONSUMABLES

(To be used with HPR<sup>®</sup> 260)



(Typical setup shown. Parts for your application may look slightly different)

Amps	Outer Retainer	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel - Beveling</b>							
260	60-0398	60-0545	60-0603	60-0542	60-0436	60-0541	60-0571
<b>Stainless Steel - Beveling</b>							
260	60-0398	60-0609	60-0608	60-0607	60-0405	60-0606	60-0571

**CleanCut**<sup>™</sup>  
Next-Generation Plasma Consumables  
are available for the PHD 260 series.  
[Click here for Free Trial!](#)

New for ATTC PHD130, PHD260 & 260PHDX Models **PHD PHDX**

**CleanCut**

Next-Generation Plasma Consumables

From American Torch Tip

**BURN LONGER.  
CUT CLEANER.**

**CleanCut**

*Designed to Work Together*

**CleanCut™ Electrode**

**Extend Electrode Life**

- More efficient cooling
- Extended hafnium electrode life
- 25% – 50% longer production time

**Prevent Nozzle Damage**

- Cooler silver electrodes diminish nozzle damage
- Nozzles paired with silver electrodes last longer

**CleanCut™ Rocket Nozzle**

(patent pending)

**Supercharge the Plasma Arc**

- Smooth-bore configuration reduces turbulence
- Stabilizes and accelerates the plasma arc column
- Produces ultra-smooth cuts

**CleanCut**

Click here to sign up for a **FREE TRIAL!**

**AMERICAN  
TORCH TIP ATTC**

## AMERICAN TORCH TIP - PHD<sup>®</sup>

### PHD<sup>®</sup> 2000 (50 – 200 AMP) COMPLETE KITS

Part #	Amperage	Power Supply	Plasma Gas	Shield Gas	Material
55-9901	200	2000	O <sub>2</sub>	Air	Mild Steel
55-9903	100-130	2000	O <sub>2</sub>	Air	Mild Steel
55-9905	50	2000	O <sub>2</sub>	O <sub>2</sub>	Mild Steel
55-9908	200	2000	O <sub>2</sub>	Air	Mild Steel
55-9910	100-130	2000	O <sub>2</sub>	Air	Mild Steel

#### Lower Operating Costs

Quick Disconnect torch reduces down time for consumable replacement

Longer Lasting Consumables

#### Better Cuts

Stronger piercing capability

Cleaner cut eliminates costly secondary operations

Reduced bevel angle down to 1°

#### Lifetime Warranty

Longest warranty period in the industry

#### Kits Available For

HT2000<sup>®</sup>, Kaliburn<sup>®</sup> 2200, Kaliburn<sup>®</sup> 2260, Hypertherm<sup>®</sup>

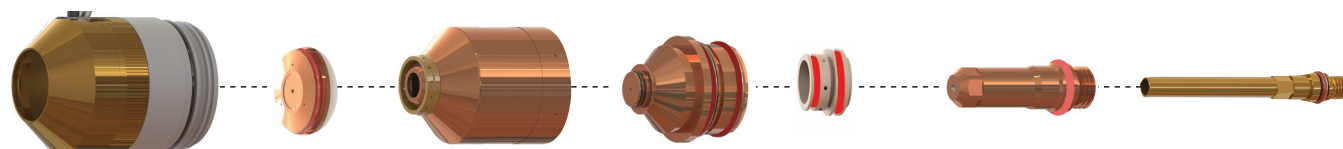
#### Made in the U.S.

Engineered and manufactured to stringent tolerances

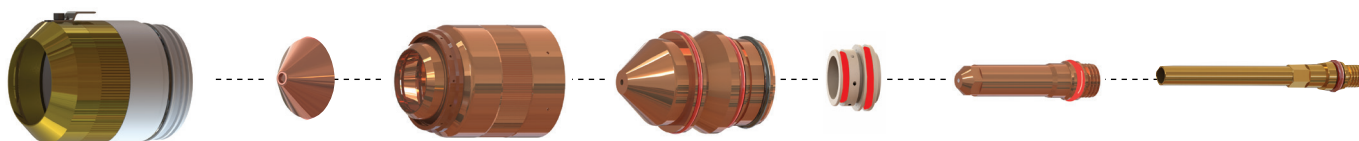
#### Kit Includes

- 1 Quick Disconnect Torch
- 1 Torch Receptacle
- 10 Electrodes
- 10 Nozzles
- 2 Swirl Rings
- 1 Inner Retaining Cap
- 2 Shields
- 1 Outer Retaining Cap
- 1 Consumable Removal Tool
- 1 Water Tube Removal Tool
- 1 1/4oz. Silicon Lubricant
- 1 O-ring Kit
- 1 Torch For Life Warranty



**AMERICAN TORCH TIP - PHD®****PHD® 2000 (40 – 100 AMP) COMPLETE KITS****PHD 2000 (40 – 100 AMP) CONSUMABLES****Outer Retainer****Shield Cap****Inner Retainer****Nozzle****Swirl Ring****Electrode****Water Tube***(Typical setup shown. Parts for your application may look slightly different)*

Amps	Outer Retainer	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
50	55-0173	55-0555	55-0313	55-0554	55-0553	55-0552	60-0340
100	55-0173	55-0983	55-0176	55-0510	55-0179	55-0181 60-0665 (silver)	60-0340
<b>Stainless Steel</b>							
40	55-0173	55-0202	55-0304	55-0901	55-0180	55-0308	60-0340
100	55-0173	55-0198	55-0176	55-0197	55-0179	55-0307	60-0340
<b>h</b>							
40	55-0173	55-0202	55-0304	55-0901	55-0180	55-0308	60-0340
100	55-0173	55-0198	55-0304 Air 55-0176 H35	55-0197	55-0179	55-0181 Air 55-0307 H35	60-0340

**BEVELING PHD 2000 (130 AMP) CONSUMABLES****Outer Retainer****Shield Cap****Inner Retainer****Nozzle****Swirl Ring****Electrode****Water Tube***(Typical setup shown. Parts for your application may look slightly different)*

Amps	Outer Retainer	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
130	55-0398	55-0645	55-0603	55-0646	55-0179	55-0649	60-0700
<b>Stainless Steel</b>							
130	55-0398	55-0609	55-0608	55-0656	55-0179	55-0606	60-0571

**CleanCut™**

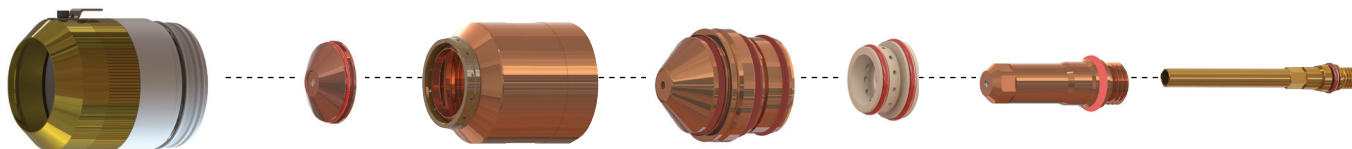
Next-Generation Plasma Consumables are available for the 2000 PHD™ series.

[Click here for Free Trial!](#)

**AMERICAN TORCH TIP**

**PLASMA**

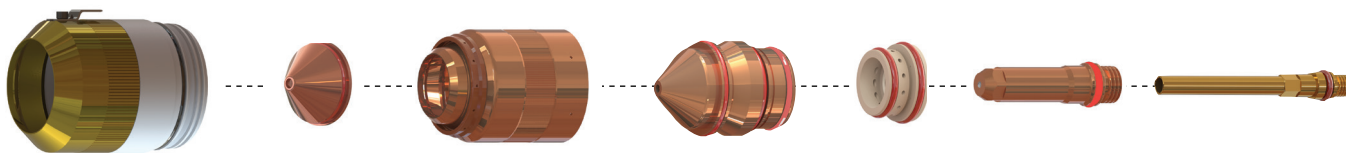
**PHD 2000 (200 AMP) CONSUMABLES**



**Outer Retainer**      **Shield Cap**      **Inner Retainer**      **Nozzle**      **Swirl Ring**      **Electrode**      **Water Tube**  
(Typical setup shown. Parts for your application may look slightly different)

Amps	Outer Retainer	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
200	55-0398	55-0440	55-0433	55-0439 (2000) 55-0200 (200)	55-0436	55-0435	60-0340
<b>Stainless Steel</b>							
200	55-0398	55-0407	55-0344	55-0406	55-0405	55-0307	60-0340
<b>Aluminum</b>							
200	55-0398	55-0440 Air 55-0407 N <sub>2</sub>	55-0433 Air 55-0344 N <sub>2</sub>	55-0200 Air 55-0406 N <sub>2</sub>	55-0436 Air 55-0405 N <sub>2</sub>	55-0435 Air 55-0307 N <sub>2</sub>	60-0340

**BEVELING PHD 2000 (200–260 AMP) CONSUMABLES**



**Outer Retainer**      **Shield Cap**      **Inner Retainer**      **Nozzle**      **Swirl Ring**      **Electrode**      **Water Tube**  
(Typical setup shown. Parts for your application may look slightly different)

Amps	Outer Retainer	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
260	55-0998	55-0545	55-0603	55-0542	55-0436	55-0541	60-0571
<b>Stainless Steel</b>							
200	55-0998	55-0609	55-0608	55-0607	55-0405	55-0606	60-0571

Note: 55-0998 does not have IHS tab

AMERICAN TORCH TIP

PLASMA

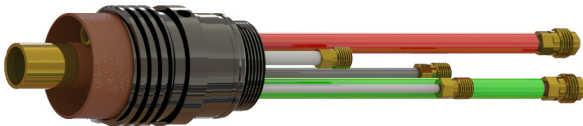
PHD 2000 REPLACEMENT PARTS & ACCESSORIES

Quick Disconnect

55-0162	Quick Disconnect Torch
55-0163	Quick Disconnect Torch Receptacle



55-0162



55-0163

Above items must be used in combination. For proper operation, QD Torch, and QD Torch receptacle must be American Torch Tip brand parts.

Replacement Parts

55-0894	Torch Mounting Sleeve 2"
55-0431	Torch Mounting Sleeve 1-3/4"
55-8546	25' (7.5m) Leads (Other lengths available. Call for information.)
55-8547	50' (15m) Leads (Other lengths available. Call for information.)
	Torch Kit: Bullet Plugs, O rings, Water Tube and Seal

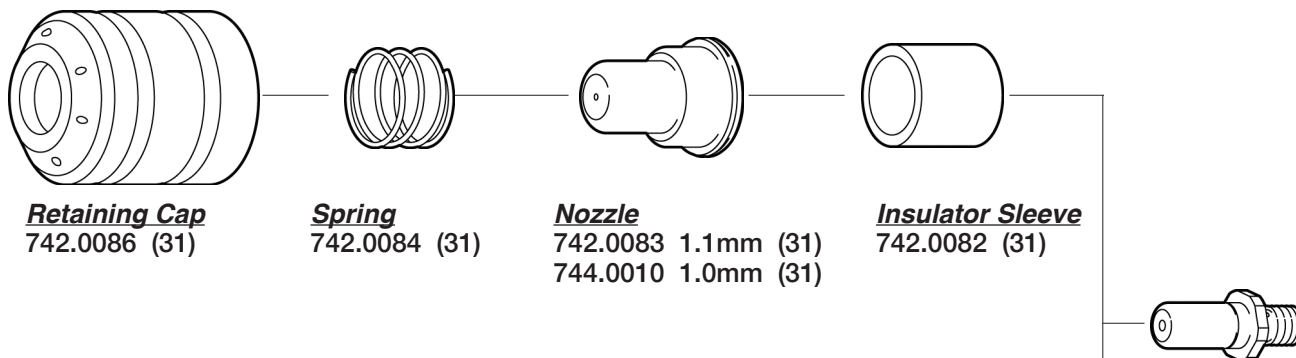
Tools

60-0000	Water Tube Wrench
60-4119	Consumable Tool

**BINZEL<sup>®</sup>**

**BINZEL<sup>®</sup> 30 & 31**

**OLD STYLE**



**Retaining Cap**  
742.0086 (31)

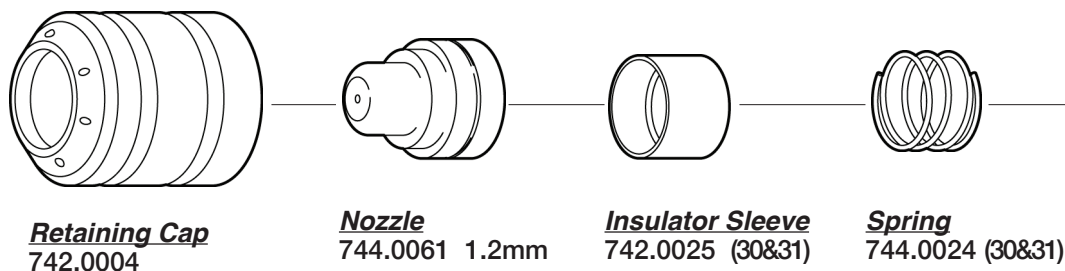
**Spring**  
742.0084 (31)

**Nozzle**  
742.0083 1.1mm (31)  
744.0010 1.0mm (31)

**Insulator Sleeve**  
742.0082 (31)

**Electrode**  
742.0016 15.5mm  
742.0012 15.5mm  
742.0013 15.0mm  
742.0017 16.0mm std (31)  
742.0018 16.5mm  
744.0012 15.5mm std (30)  
744.0013 15.0mm  
744.0014 14.5mm  
744.0016 15.5mm  
744.0017 16.0mm  
744.0018 16.5mm

**NEW STYLE**



**Retaining Cap**  
742.0004

**Nozzle**  
744.0061 1.2mm

**Insulator Sleeve**  
742.0025 (30&31)

**Spring**  
744.0024 (30&31)

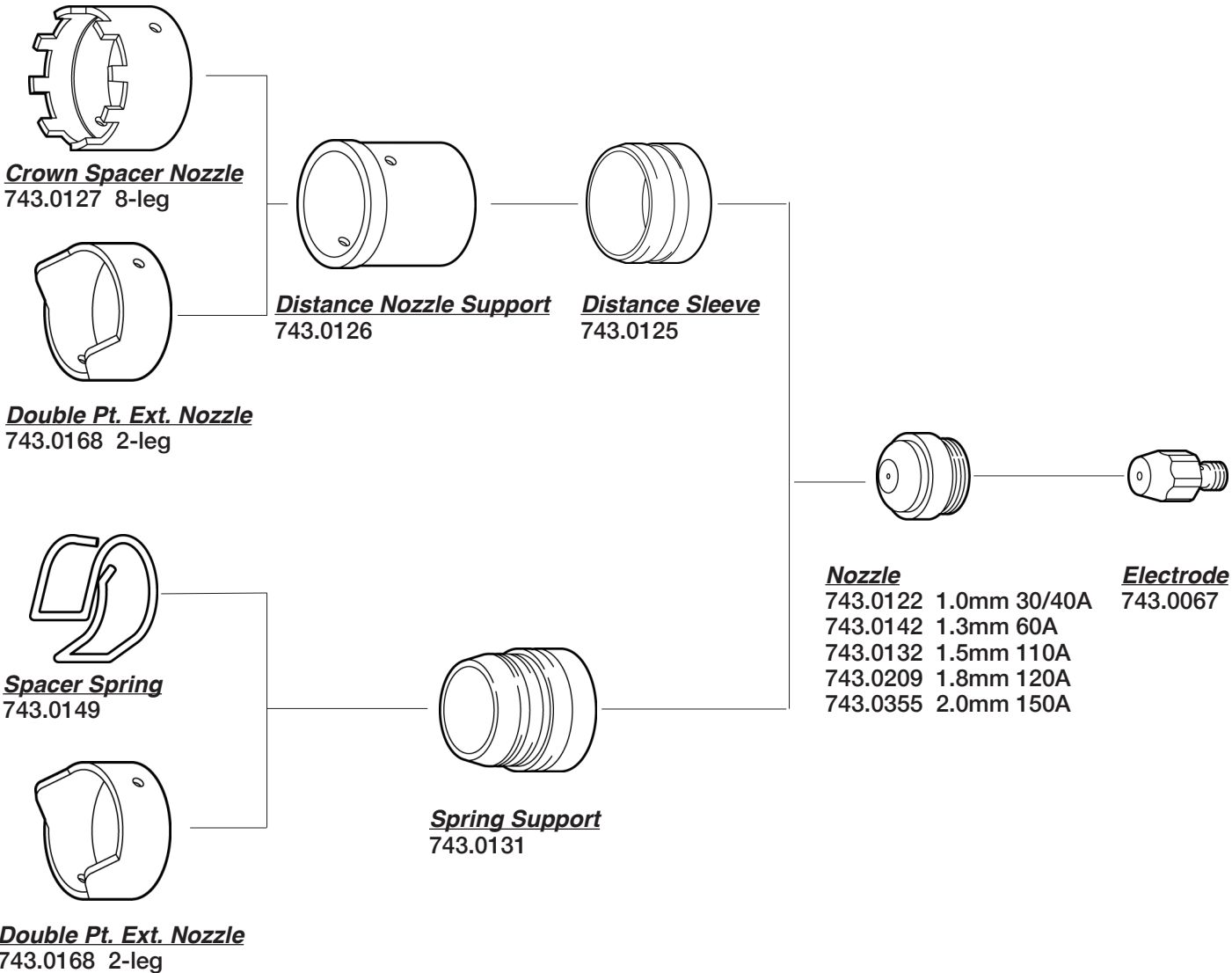
**Not Shown**

744.0011 Retaining Cap (old)

**BINZEL<sup>®</sup>**

**BINZEL<sup>®</sup> 80 & 120**

**PLASMA**

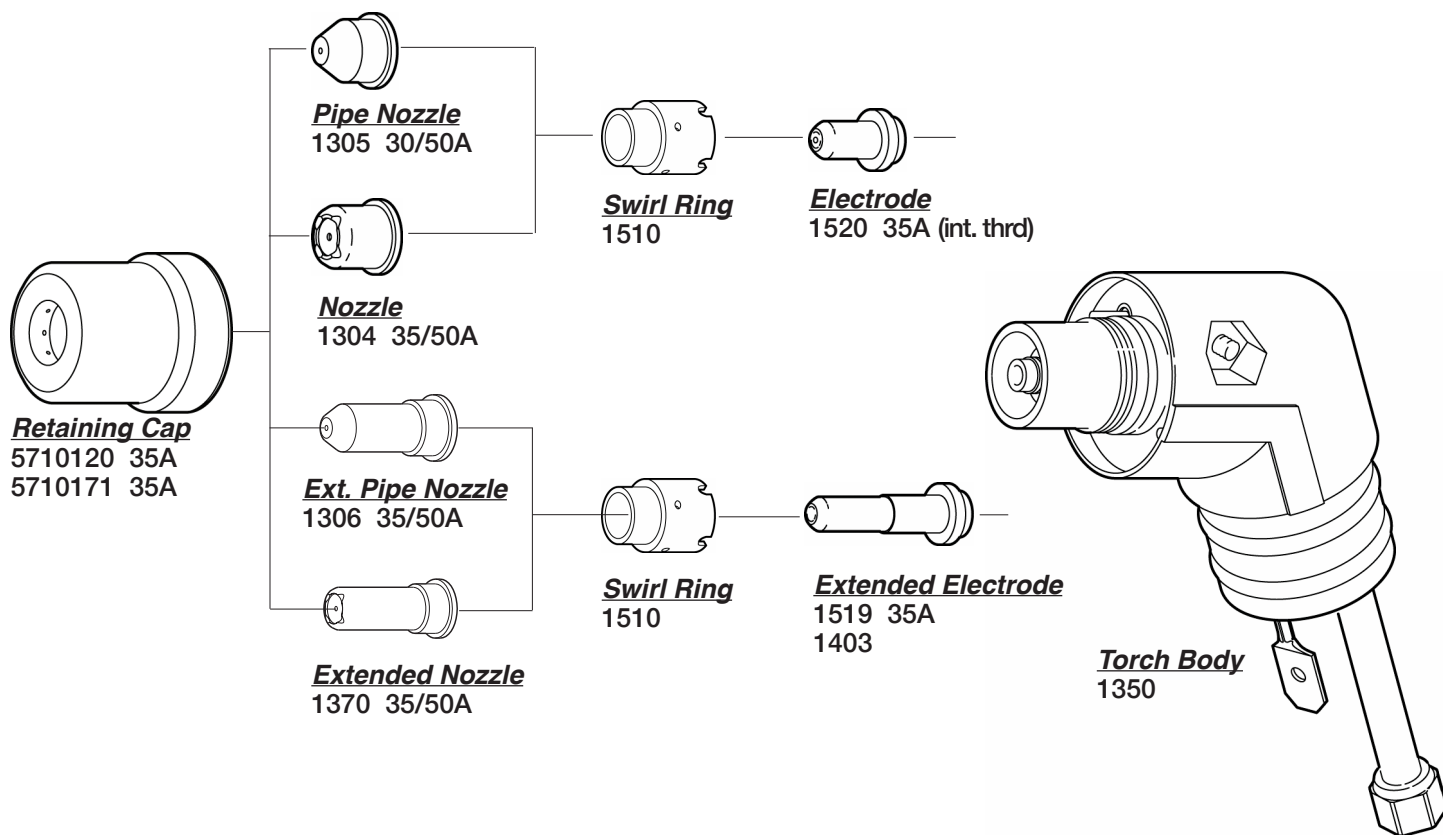


American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

**CEBORA®**

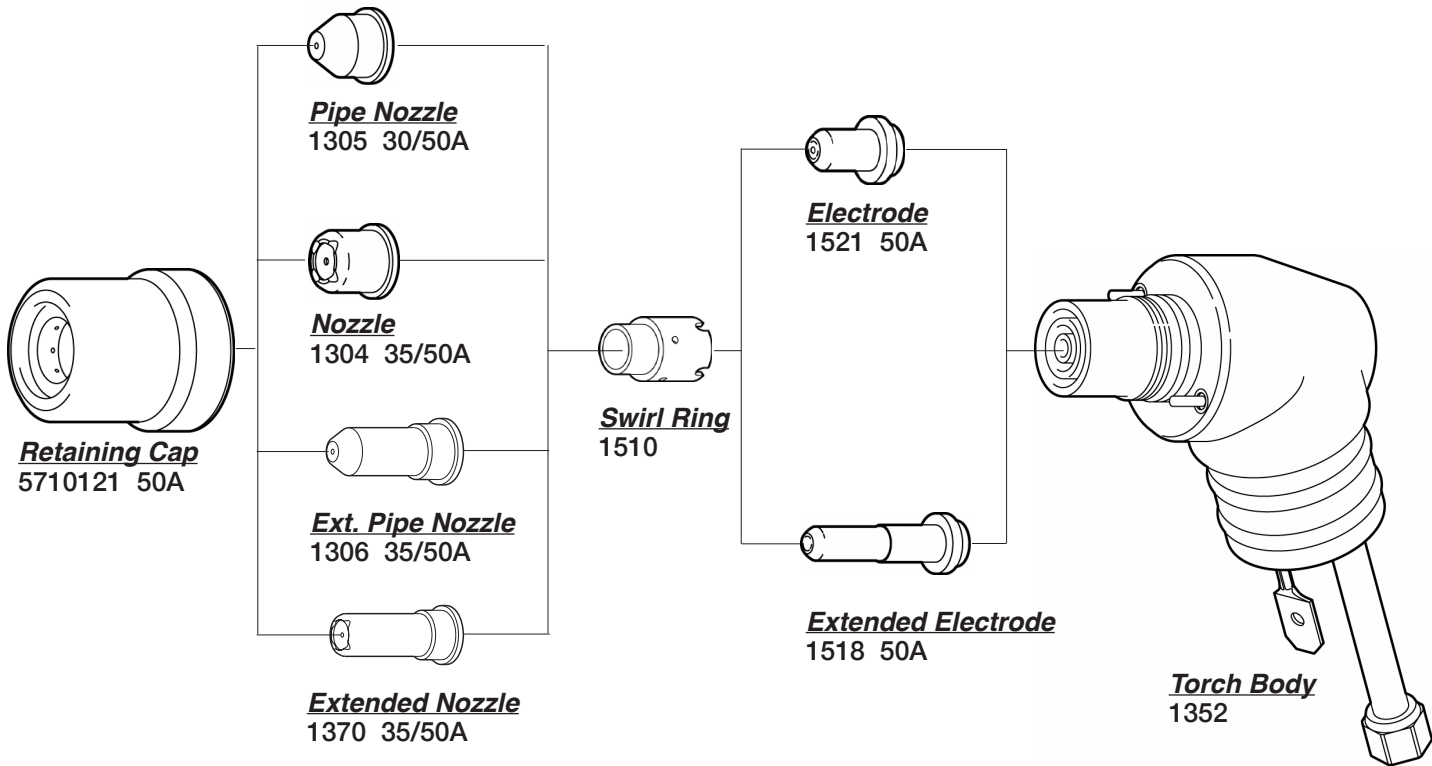
**CEBORA® 20-35**

**PLASMA**



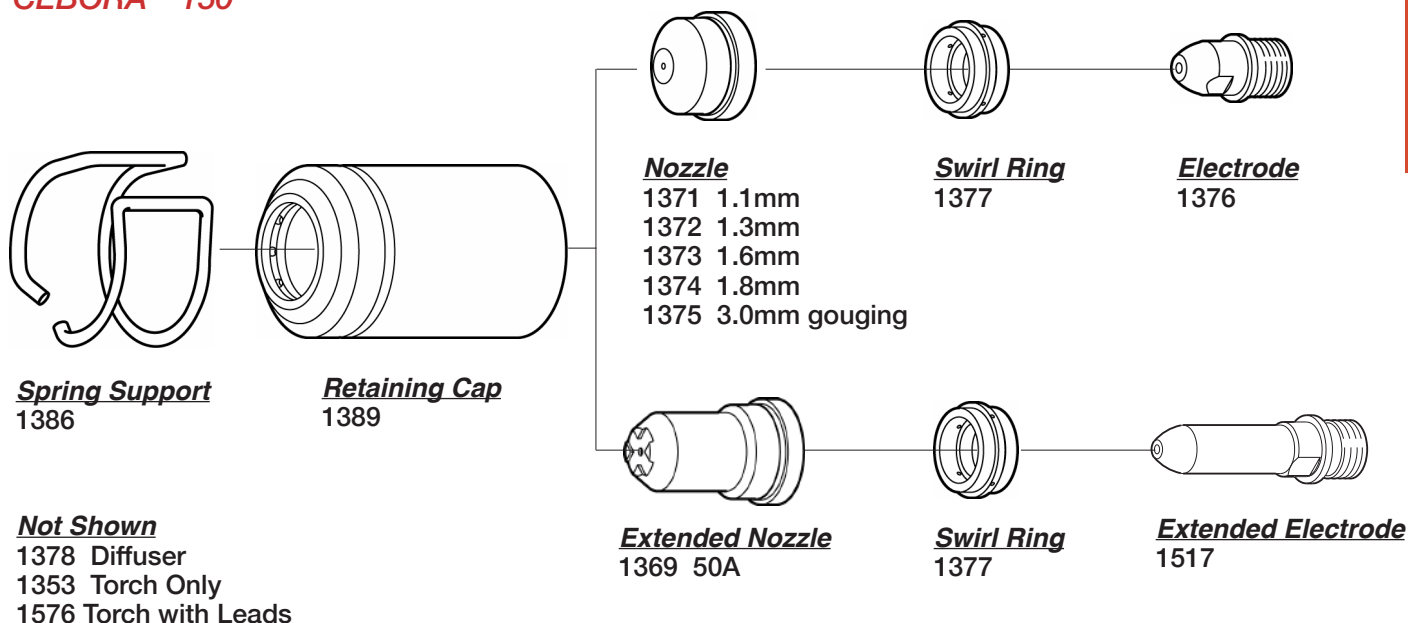
**CEBORA<sup>®</sup>**

**CEBORA<sup>®</sup> 20-50**



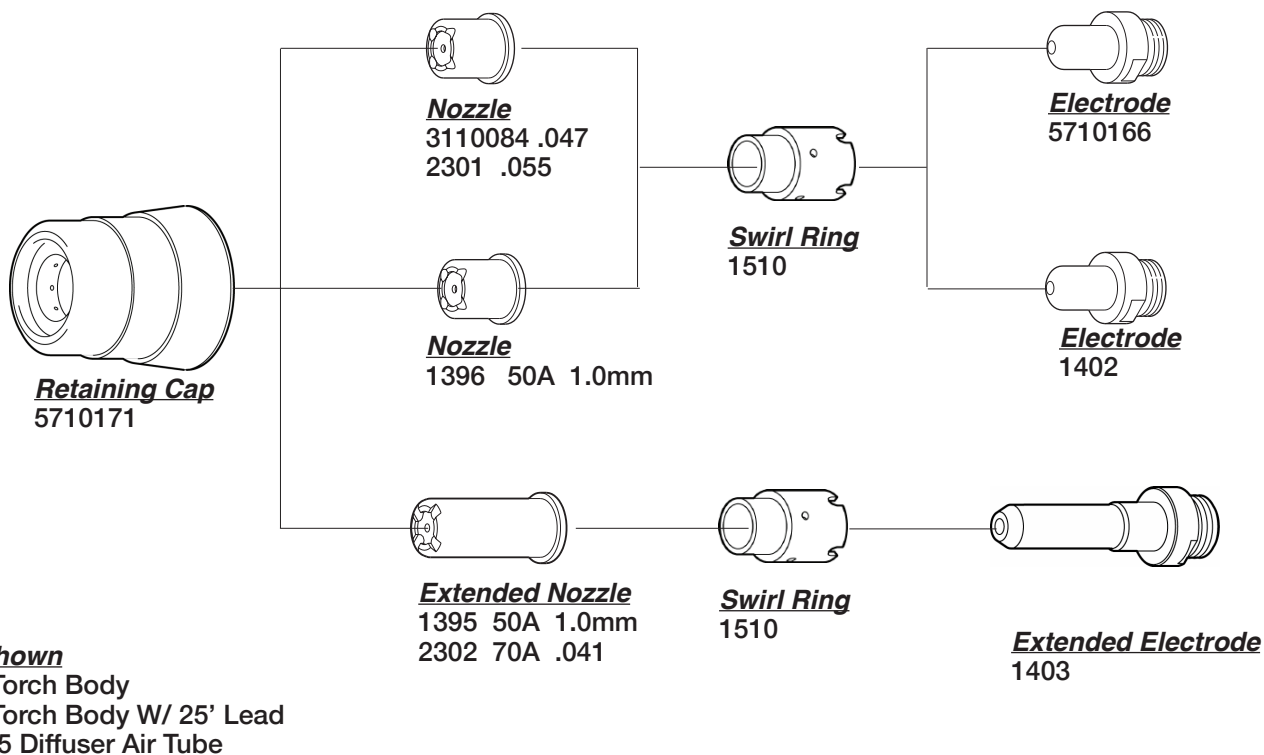
**CEBORA<sup>®</sup>**

**CEBORA<sup>®</sup> 150**

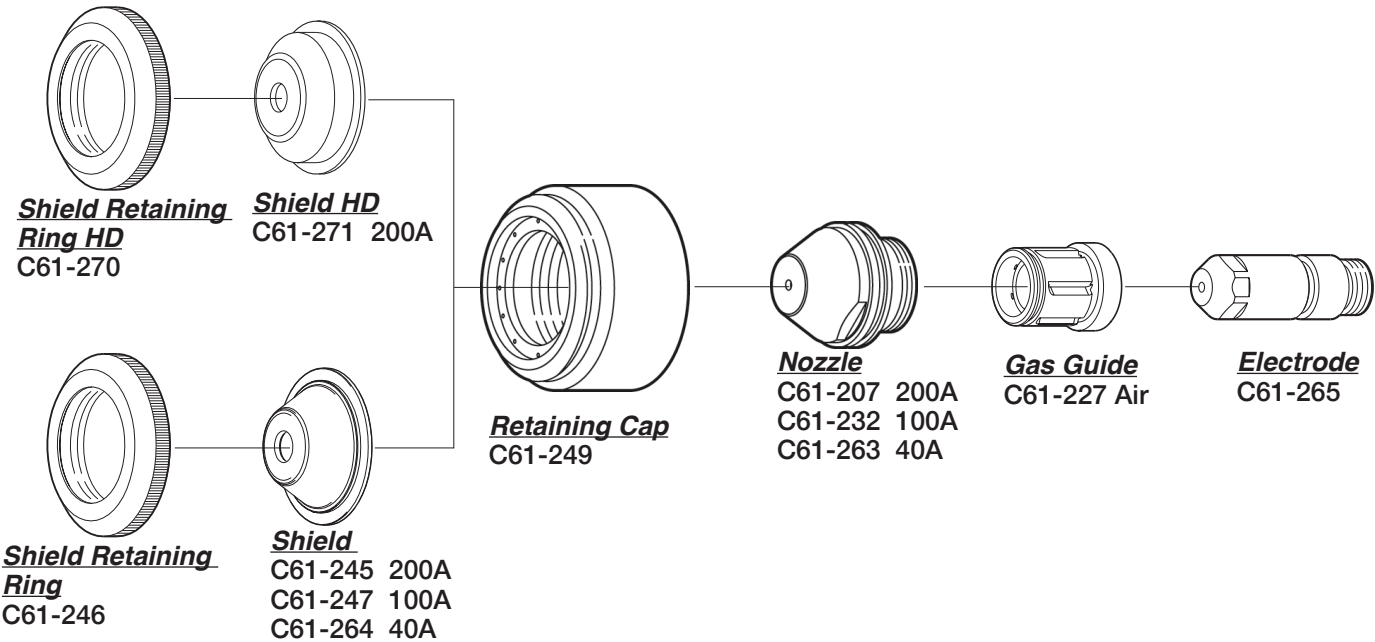


**PLASMA**

**CEBORA<sup>®</sup> A-70**



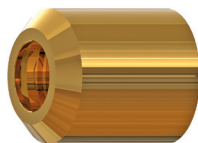
**CENTRICUT<sup>®</sup>**  
**CENTRICUT<sup>®</sup> SE200**



American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

## CENTURY®

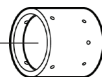
### CENTURY® 20-20



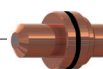
**Retaining Cap**  
334-266-100



**Nozzle/Tip**  
334-279-100



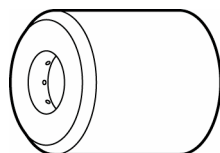
**Swirl Ring**  
334-278-100



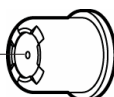
**Electrode**  
334-277-100

**Not Shown**  
512-087-100 O-Ring

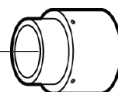
### CENTURY® 20-40



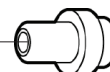
**Retaining Cap**  
334-280-100



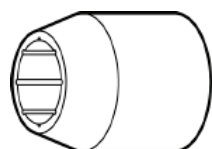
**Nozzle/Tip**  
334-265-100 (castle hand)



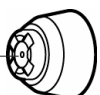
**Swirl Ring**  
334-264-100



**Electrode**  
334-263-100



**Retaining Cap**  
334-271-100 (hi-vis.)



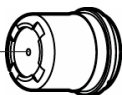
**Nozzle/Tip**  
334-270-100 (hi-vis.)

**Not Shown**  
512-087-100 O-Ring

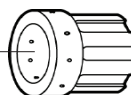
### CENTURY® 20-50



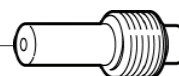
**Retaining Cap**  
334-290-905



**Nozzle/Tip**  
334-295-905 .038  
334-289-905



**Swirl Ring**  
334-288-905

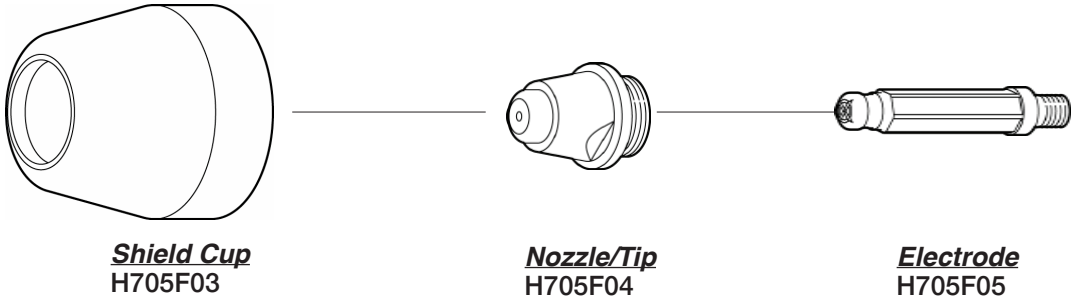


**Electrode**  
334-287-905

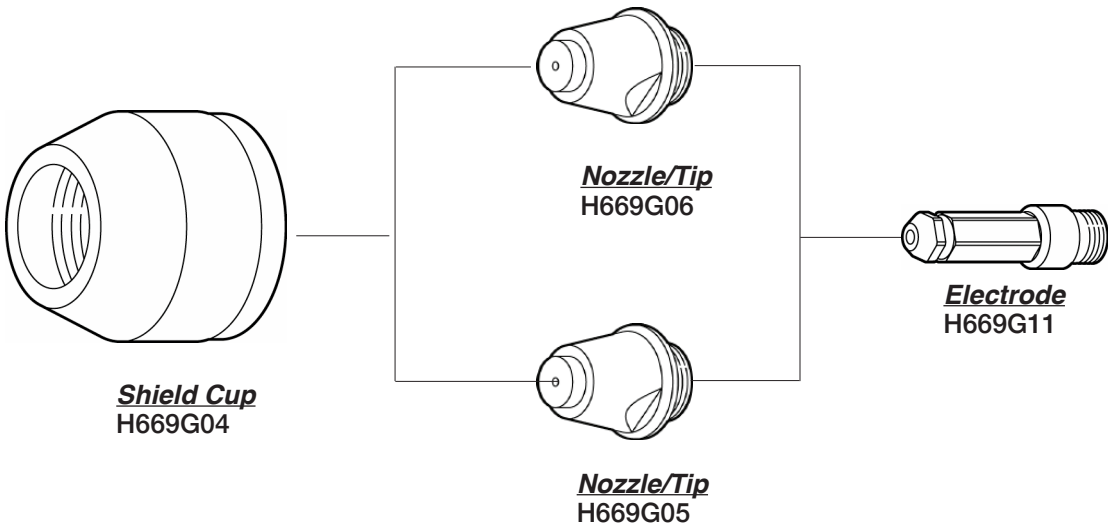
**Not Shown**  
512-087-100 O-Ring

**DAIHEN<sup>®</sup>**

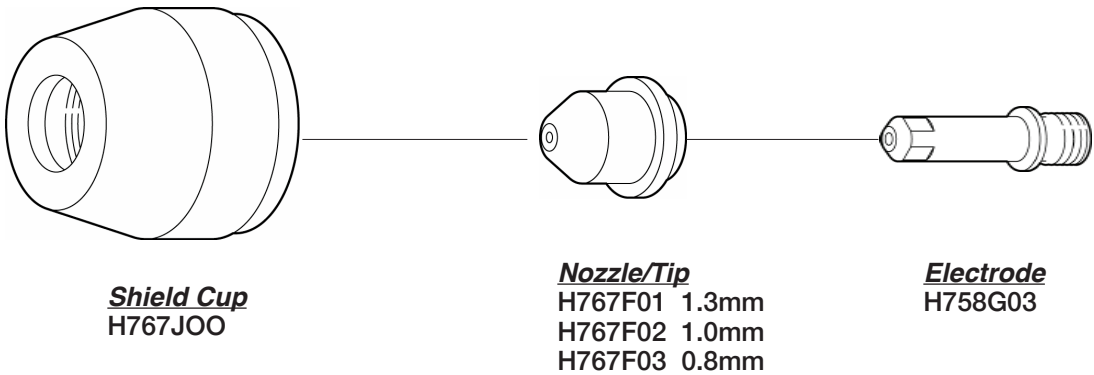
**DAIHEN<sup>®</sup> 30**



**DAIHEN<sup>®</sup> 70**



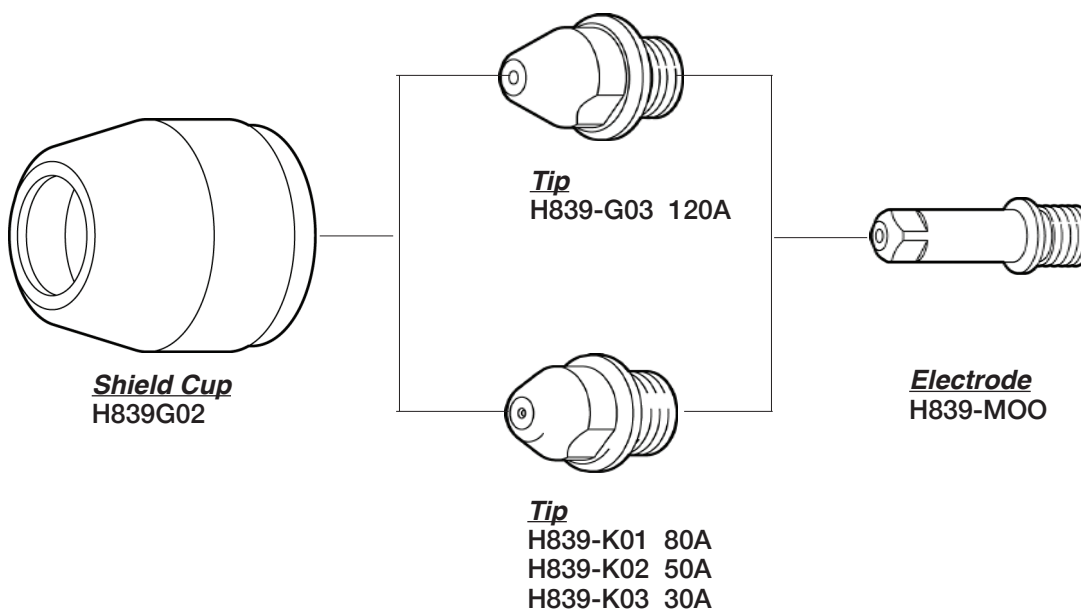
**DAIHEN<sup>®</sup> 80**



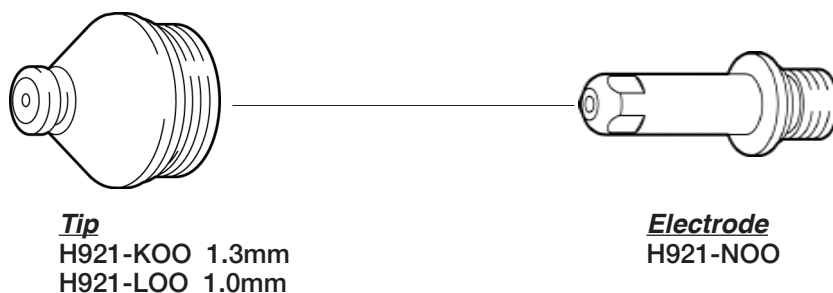
**DAIHEN<sup>®</sup>**

**DAIHEN<sup>®</sup> CT120**

**PLASMA**

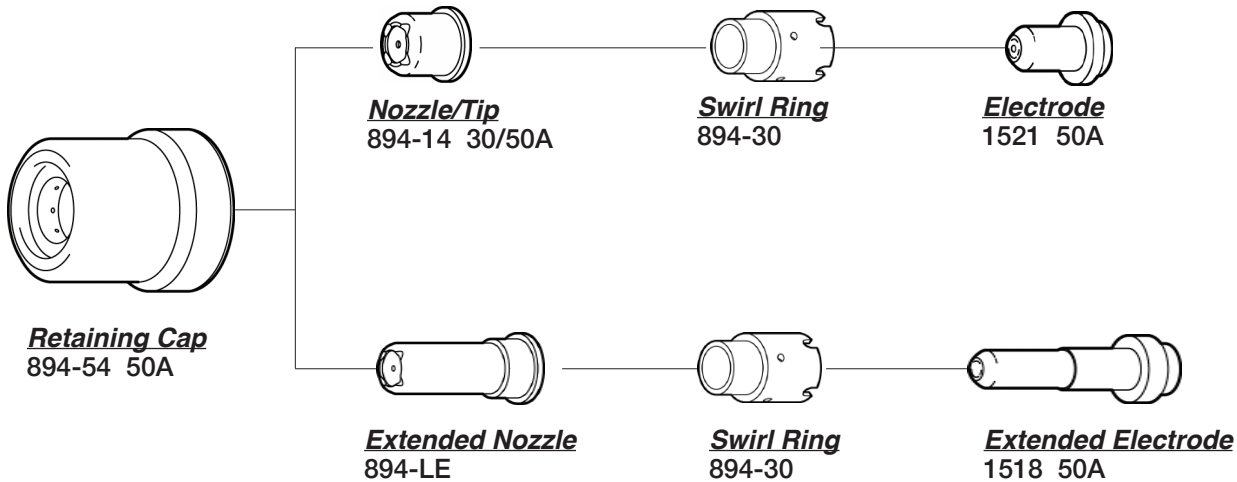
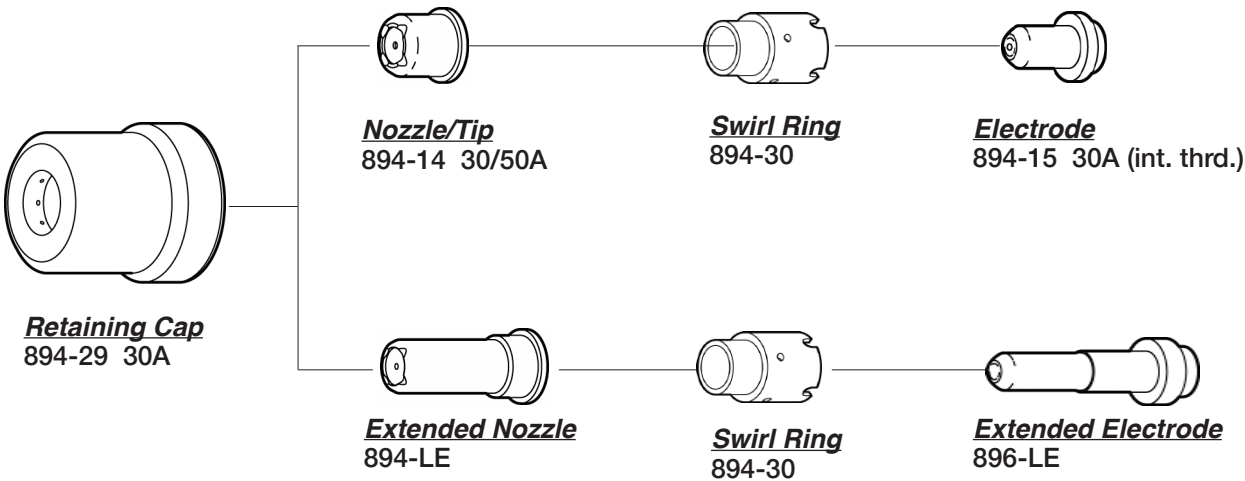


**DAIHEN<sup>®</sup> GCPT1201**



DAYTONA MIG<sup>®</sup>

DAYTONA MIG<sup>®</sup> 20/35 20/50

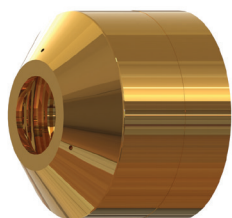


American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

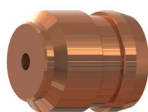
**ESAB/L-TEC<sup>®</sup>**

**ESAB/L-TEC<sup>®</sup> PT-7/11**

**PLASMA**



**Retaining Cap**  
598714



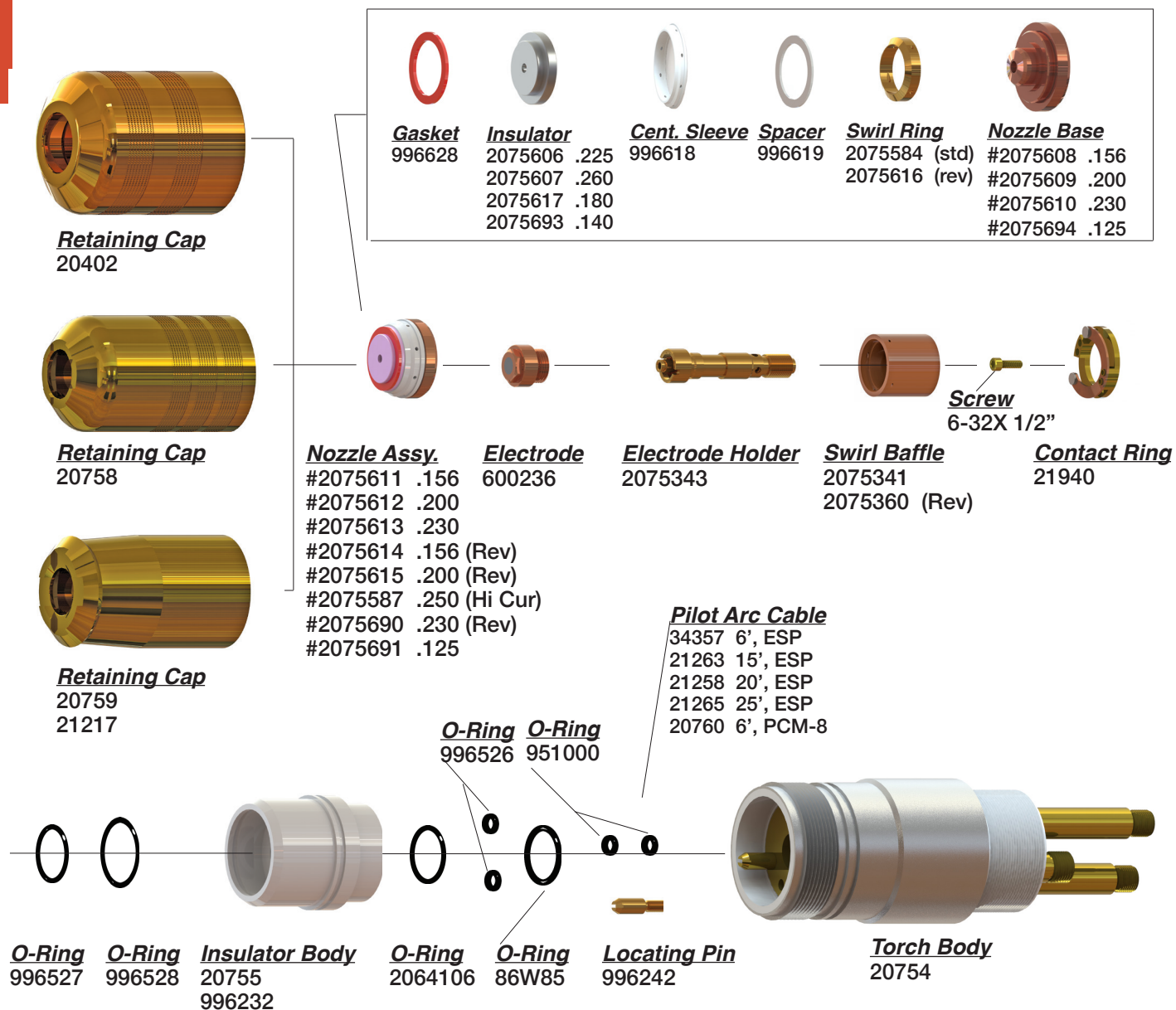
**5X12 Nozzle**  
598728



**Plenum Chamber**  
598711 .042  
598911 .062



**Electrode**  
598713  
599043

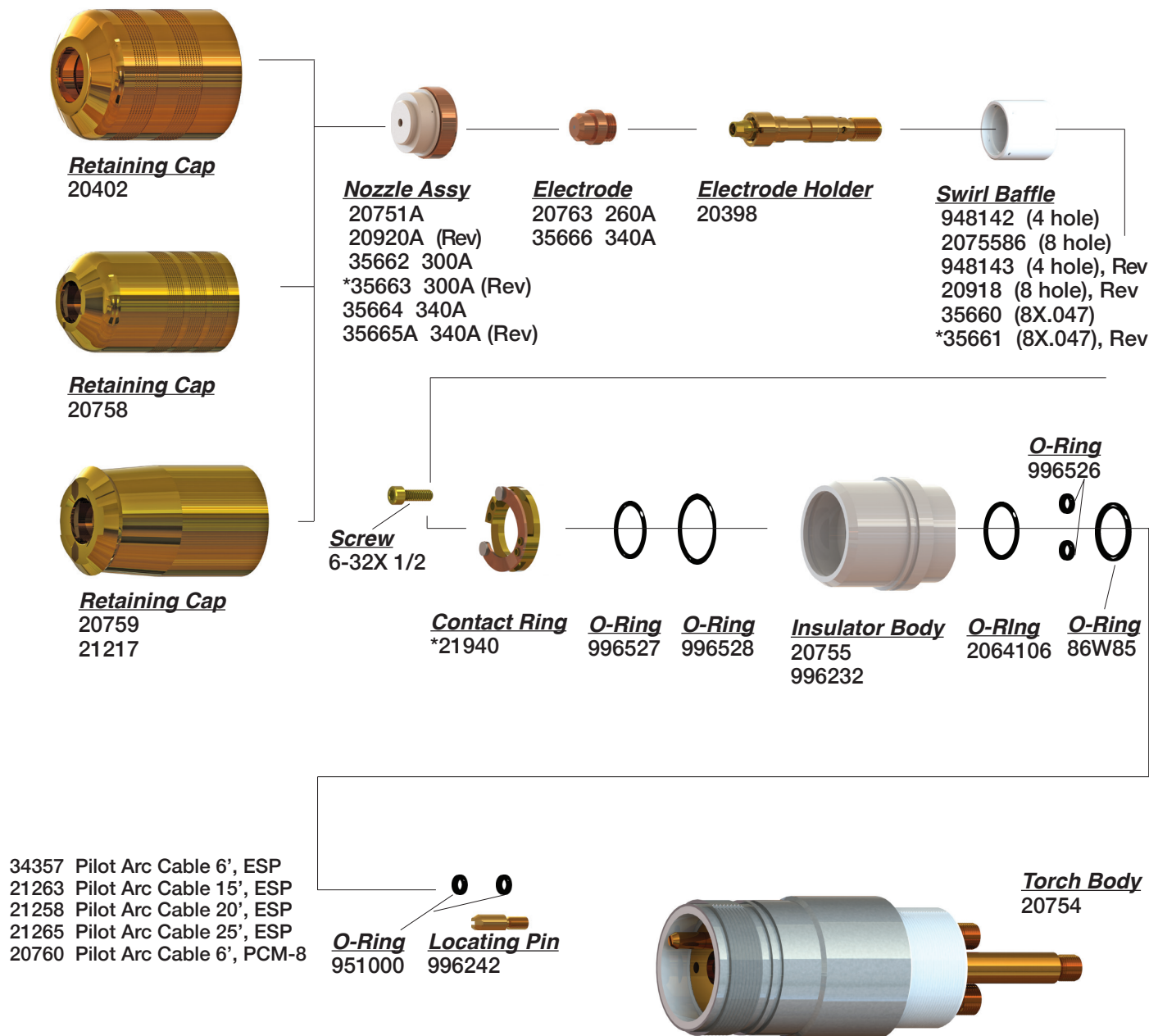
**ESAB/L-TEC®****ESAB/L-TEC® PT-15XL FOR NITROGEN****Not Shown**

21304 Body w/Cbl & Hose 6', ESP  
 21301 Body w/Cbl & Hose 15', ESP  
 21303 Body w/Cbl & Hose 25', ESP  
 20763 Body w/Cbl & Hose 6', PCM-8  
 996248 Power Cbl  
 996249 Gas Hose  
 996230 Retaining Cap

**ESAB/L-TEC®**

**ESAB/L-TEC® PT-15XL FOR OXYGEN**

**PLASMA**

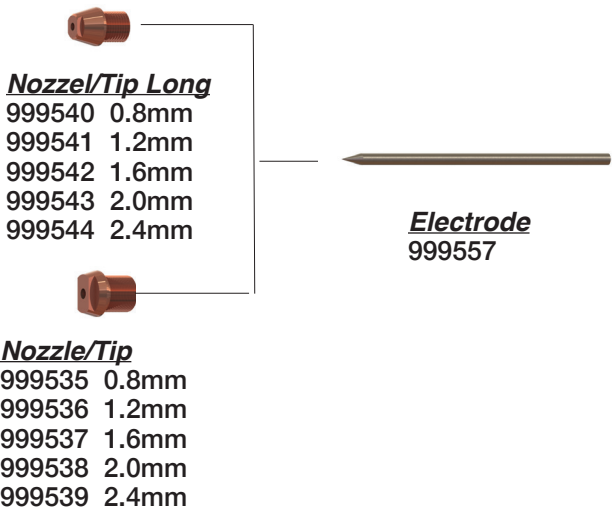


**Not Shown**

21304 Body w/Cable and Hose 6', ESP  
21301 Body w/Cable and Hose 15', ESP  
21303 Body w/Cable and Hose 25', ESP  
20762 Body w/Cable and Hose 6', PCM-8  
996248 Power Cable  
996249 Gas Hose  
996230 Retaining Cap

**ESAB/L-TEC<sup>®</sup>**

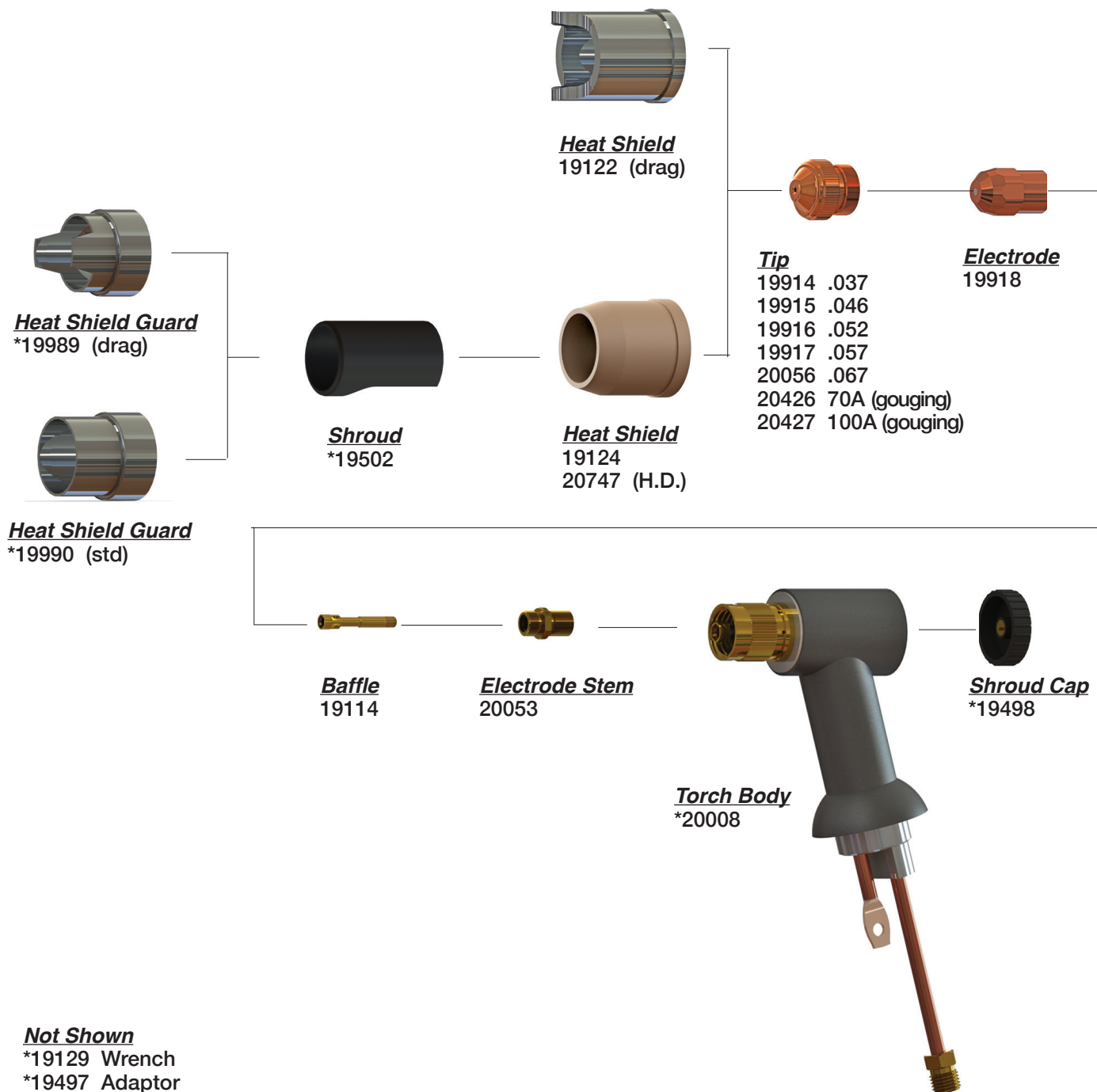
**ESAB/L-TEC<sup>®</sup> PT-16**



**ESAB/L-TEC<sup>®</sup>**

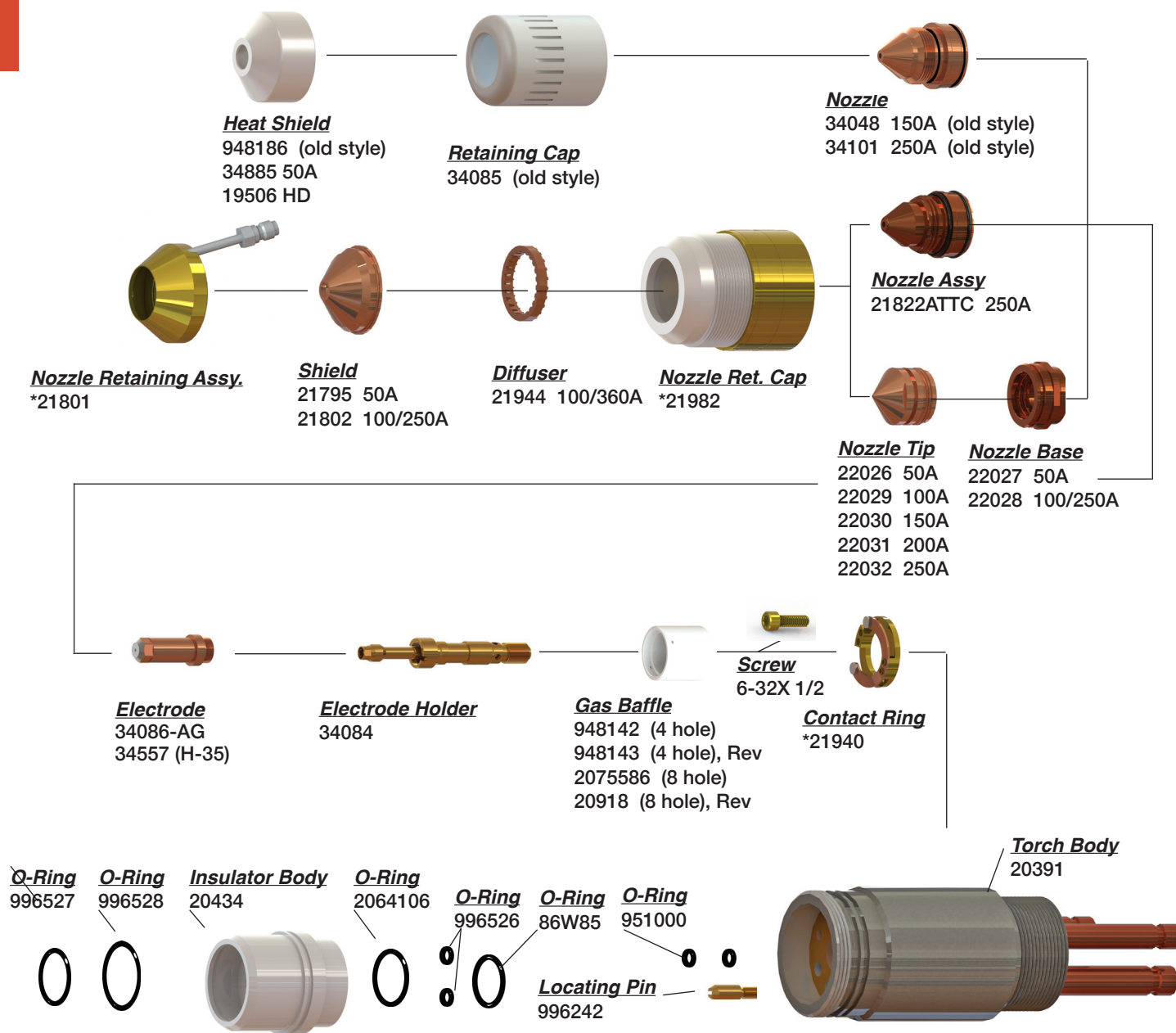
**ESAB/L-TEC<sup>®</sup> PT-17A**

**PLASMA**



**Not Shown**

- \*19129 Wrench
- \*19497 Adaptor
- \*19999 75° Torch w/25' Leads
- \*20000 75° Torch w/50' Leads
- \*20010 Torch Body 17A

**ESAB/L-TEC®****ESAB/L-TEC® PT-19XL**

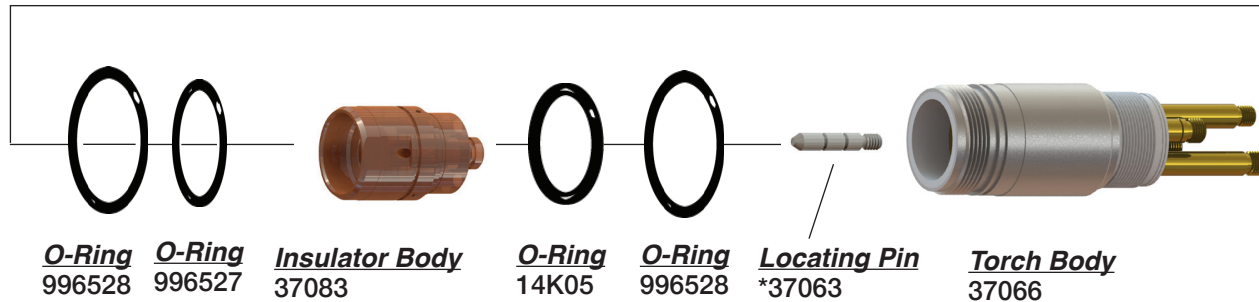
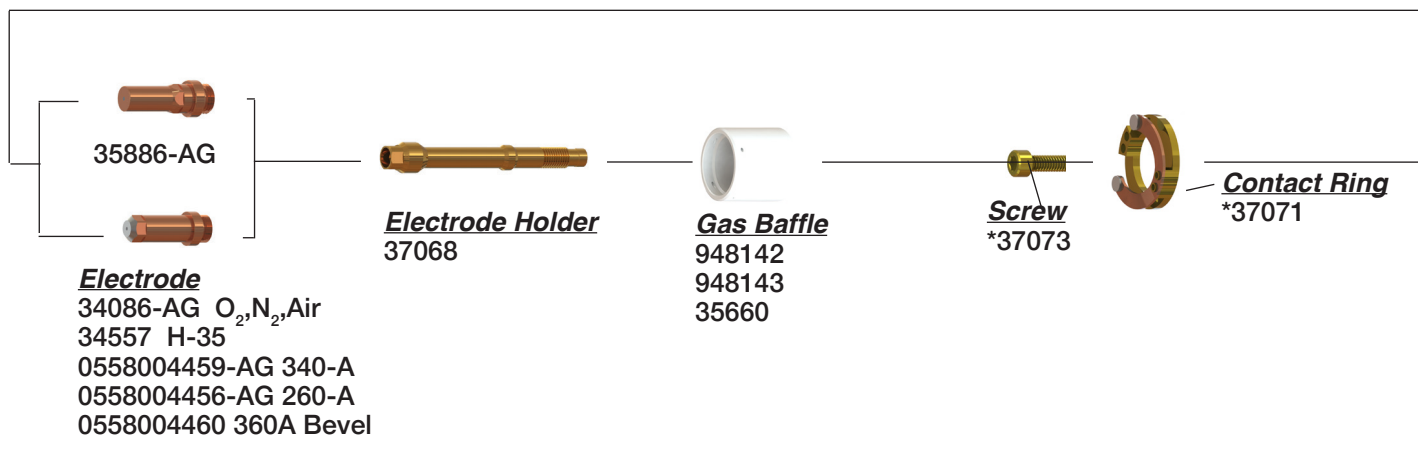
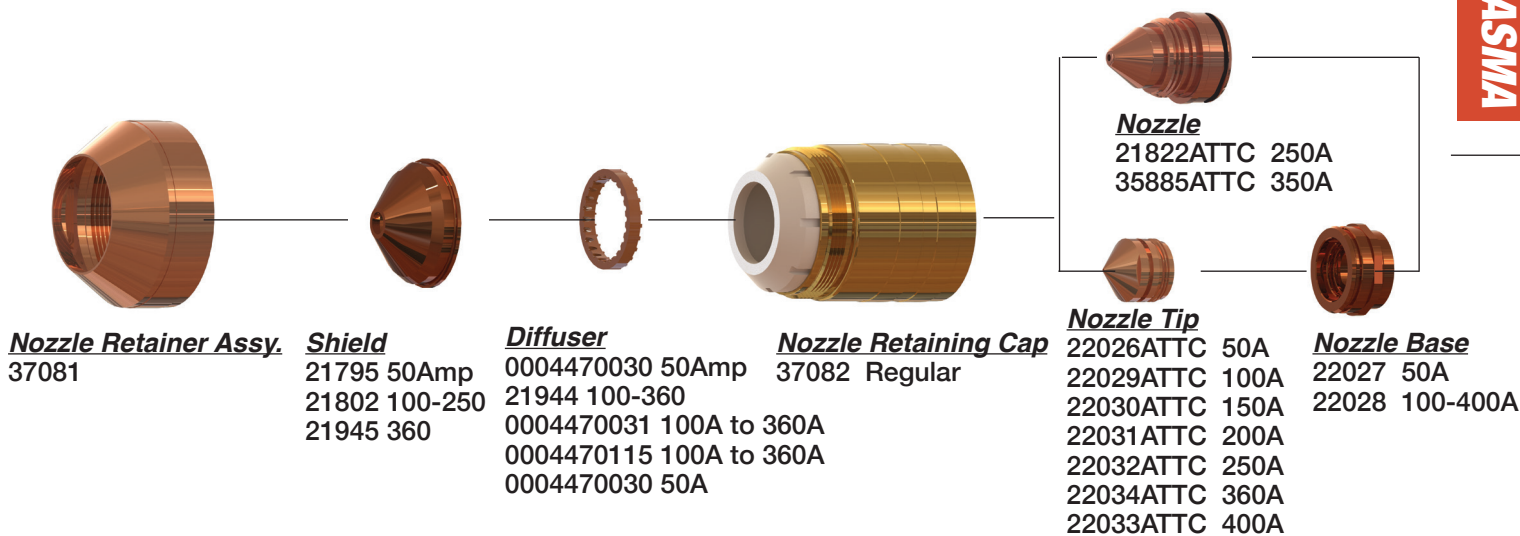
**CleanCut™**  
Next-Generation Plasma Consumables  
are available for the PT-19XL.  
[Click here for Free Trial!](#)

**Not Shown**  
22195 Nozzle 400 Amp  
22196 Electrode 400 Amp  
34357 Pilot Arc Cable 6'  
21551 Sleeve-Air Curtain Long  
other lengths available

**ESAB/L-TEC<sup>®</sup>**

**ESAB/L-TEC<sup>®</sup> PT-19XLS**

**PLASMA**



**Not Shown**

34357 Pilot Arc Cable 6" other lengths available  
\*37431 Nozzle Retaining Cap Air Curtain

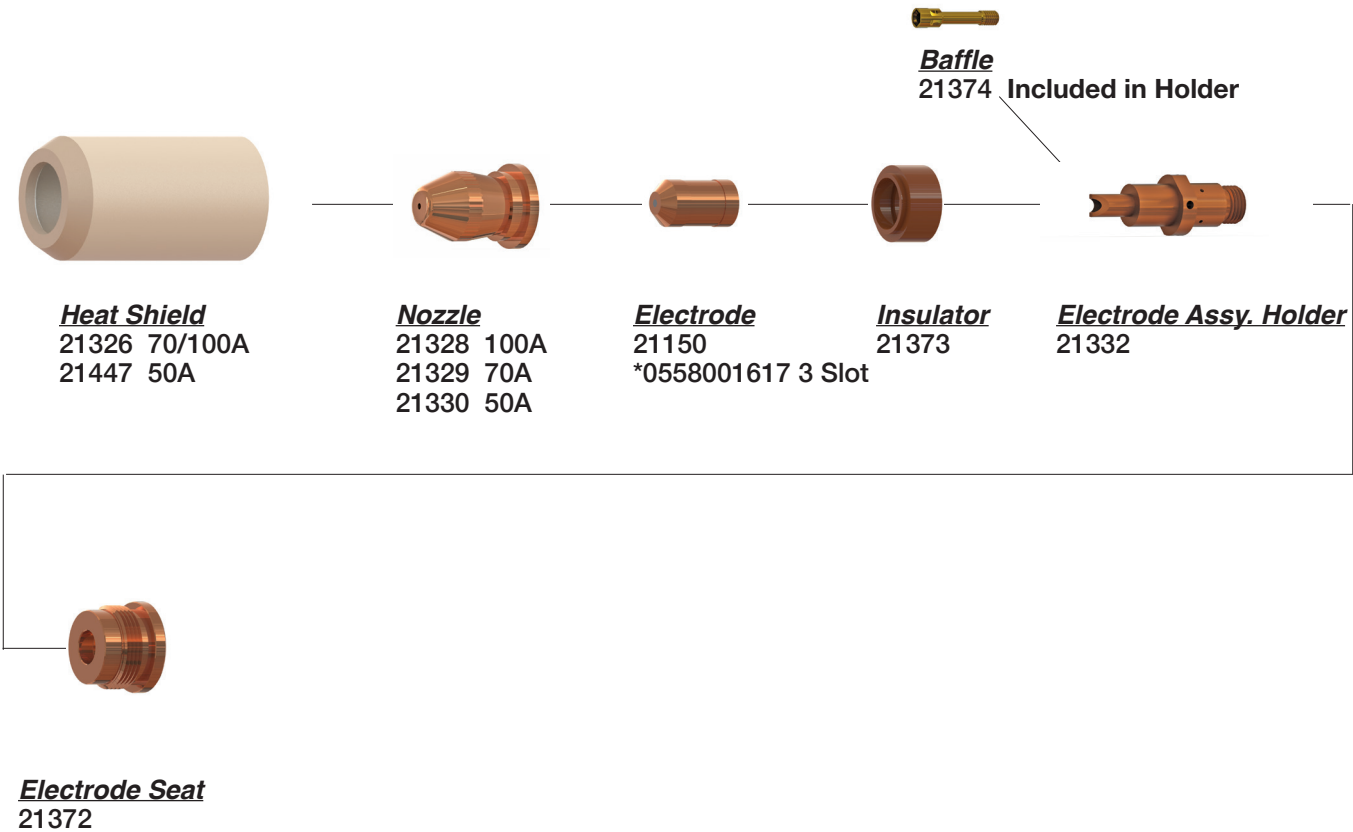
**CleanCut<sup>™</sup>**

**Next-Generation Plasma Consumables  
are available for the PT-19XLS.**

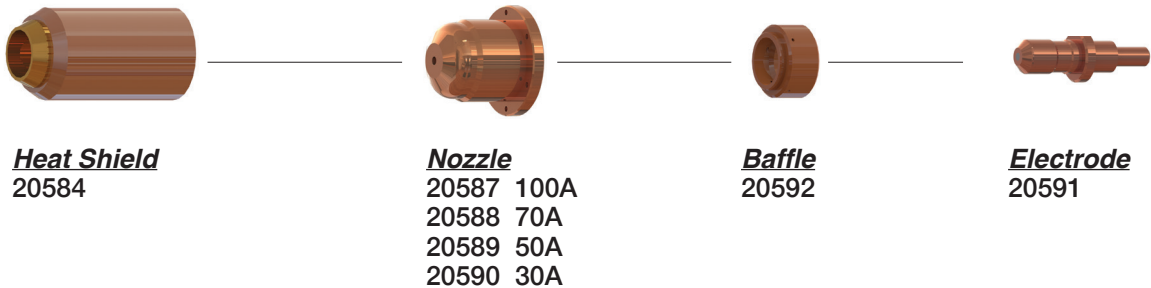
**Click here for Free Trial!**

**ESAB/L-TEC<sup>®</sup>**

**ESAB/L-TEC<sup>®</sup> PT-20AM**



**ESAB-L-TEC<sup>®</sup> PT-20M**

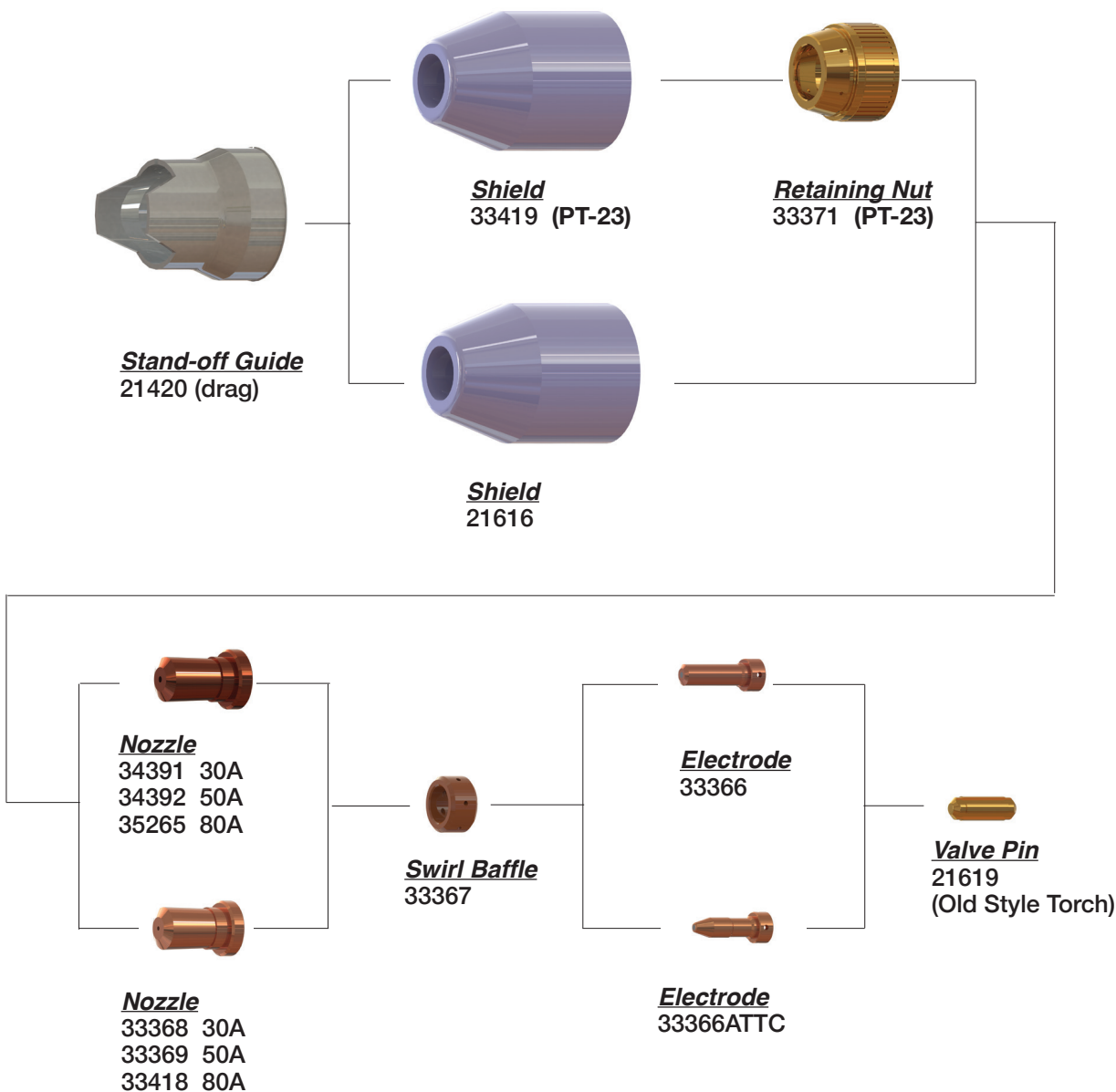


American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

**ESAB/L-TEC<sup>®</sup>**

**ESAB/L-TEC<sup>®</sup> PT-23 & 27**

**PLASMA**

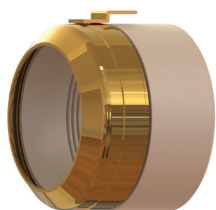


**Not Shown**

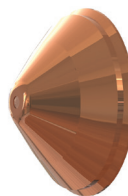
- \*21610 Torch Body
- \*21620 Torch 75° W/25' Lead, Arc Plug
- \*21621 Torch 75° W/50' Lead, Arc Plug
- \*21661 Torch 75° W/25' Lead, W/Ring Terminal
- \*21662 Torch 75° W/50' Lead, W/Ring Terminal
- \*0558003032 Electrode Seat

**ESAB/L-TEC<sup>®</sup>**

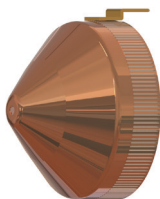
**ESAB/L-TEC<sup>®</sup> PT-24**



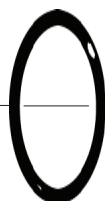
**Shield Retainer**  
21693 (old style)



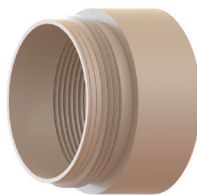
**Shield Cup**  
22008 15/30A, (old style)  
22009 50/100A, (old style)



**Shield Retainer**  
22531



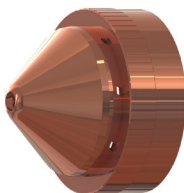
**O-Ring**  
996528



**Insulator Shield Retainer**  
21712



**Shield Cup Insulator**  
22010



**Nozzle Retainer**  
22007



**Nozzle**  
21540 15A (A)  
21541 30A (B)  
21542 50A (C)  
21543 70A (D)  
21923 100A (E)



**Swirl Ring**  
\*21852 15A, (2 hole)  
\*21536 30A, (3 hole)  
21692 50/100A, (4 hole)



**Electrode**  
21539ATTC 15/100A  
21539-AG  
0558004454-AG



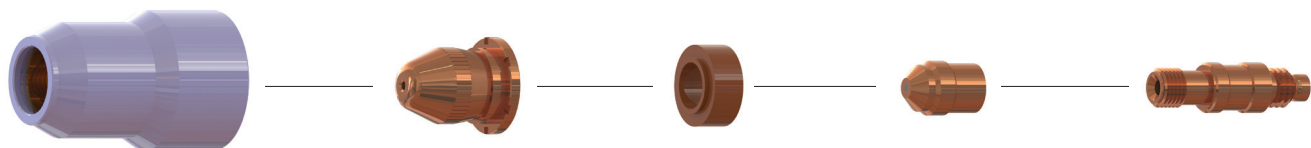
**Water Baffle**  
21725

**Not Shown**  
\*21758 Torch Body

**ESAB/L-TEC<sup>®</sup>**

**ESAB/L-TEC<sup>®</sup> PT-25**

**PLASMA**



**Shield**

\*21654 (Std)  
21660 (Long)

**Nozzle**

21596 50A  
21597 100A  
21598 150A  
21599 Gouging  
0558000729 Gouging  
0558000726 50A  
0558000727 100A  
0558000728 10A

**Swirl Ring**

21667  
0558001457 OEM\*  
(Euro Torch)

**Electrode**

21595  
\*21780(H35)  
0558000732  
0558000733

**Electrode Holder**

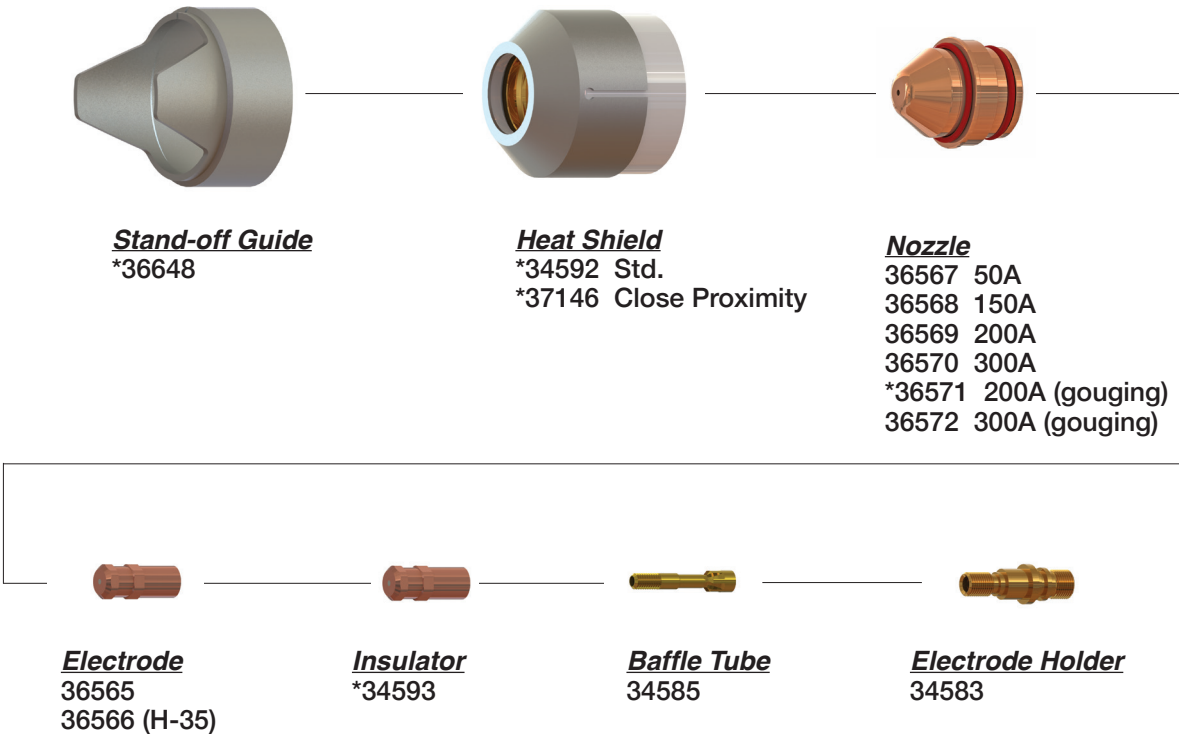
21657  
0558000731

**Not Shown**

\*21625 (Torch Head)  
\*344019 O-Ring  
0558001457 Swirl Baffle

**ESAB/L-TEC<sup>®</sup>**

**ESAB/L-TEC<sup>®</sup> PT-26**



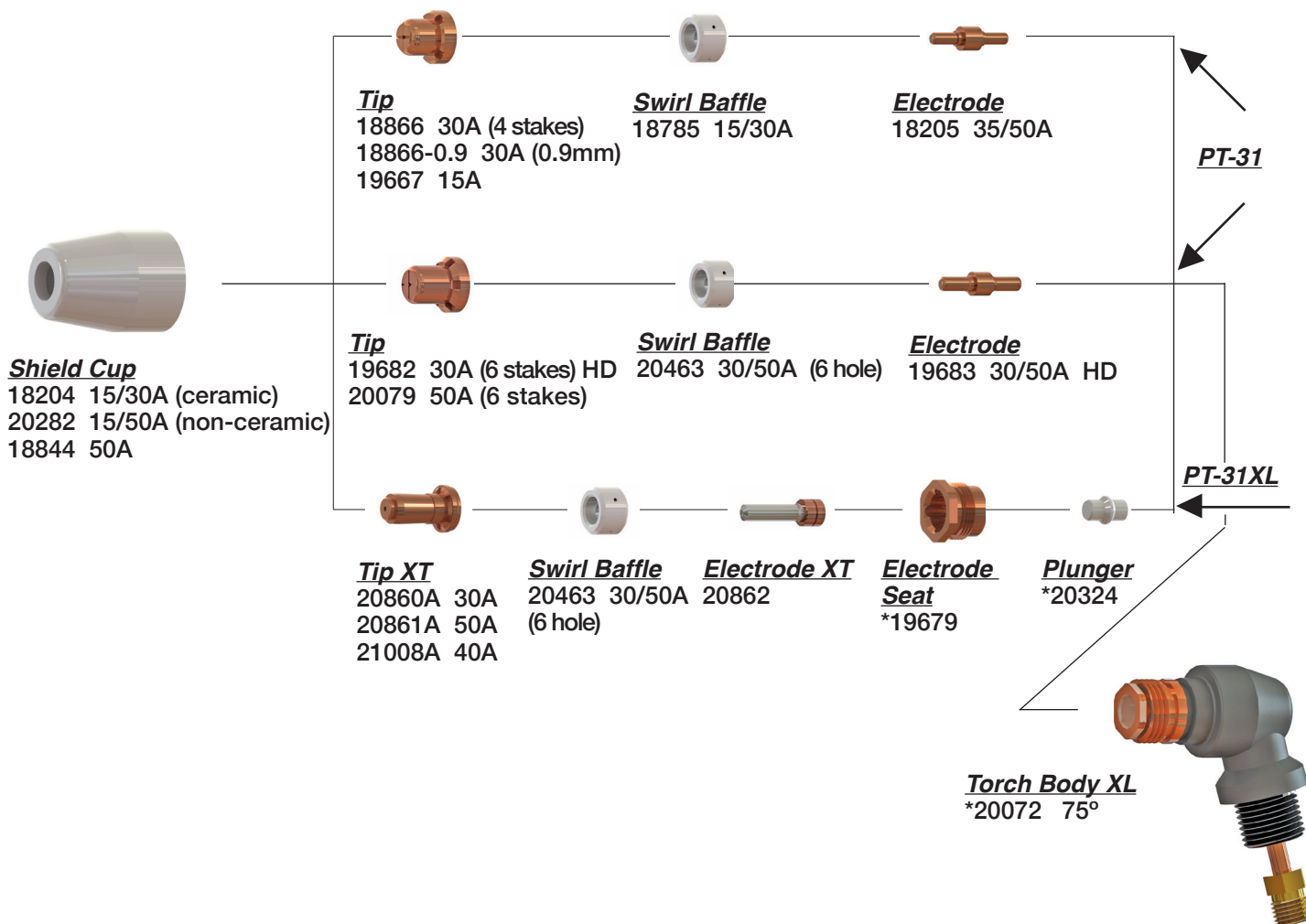
**Not Shown**  
\*20068 Front End Assy Brass  
\*34599 Torch Head

American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

**ESAB/L-TEC<sup>®</sup>**

**ESAB/L-TEC<sup>®</sup> PT-31 & 31XL**

**PLASMA**

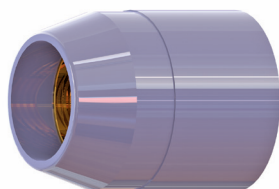


**Not Shown**

- \*18208 Handle
- 18866L Tip 30A 1.0mm
- \*20073 Torch Body 180°
- \*20080 75° Torch w/25' Lead
- \*20081 180° Torch w/25' Leads
- 950790 O-Ring

**ESAB/L-TEC<sup>®</sup>**

**ESAB/L-TEC<sup>®</sup> PT-32EH (PCM 875)**



**Shield**

0558001957 (Std)  
\*0558003110 (Long CE)



**Nozzle**

0558002618ATTC 50-70A  
0558002837ATTC 90A  
\*0558002908 (drag), 40A



**Electrode**

\*0558001969

**NOTE\*** Valve Pin is a crucial member of the system.

**Not Shown**

\*0558001959 Valve Pin  
\*0558001965 Torch Body (Old Style)  
0558003548 Torch w/25' Lead  
0558003412 Torch Body EH  
0558003322 Handle EH  
0558000818 Switch

**ESAB/L-TEC<sup>®</sup> PT-34**



**Heat Shield**  
20282



**Nozzle**  
37887



**Swirl Baffle**  
18785



**Electrode**  
37888



**Seat**  
19679  
(included w/head)



**Torch Body**  
\*20072 75<sup>0</sup>

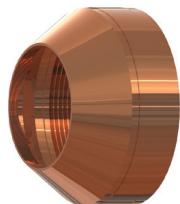
**ESAB/L-TEC<sup>®</sup>**

**ESAB/L-TEC<sup>®</sup> PT-36 (M3<sup>®</sup>)**

**CleanCut<sup>™</sup>**

Next-Generation Plasma Consumables  
are available for the PT-36 and PT-36XR.

[Click here for free trial!](#)



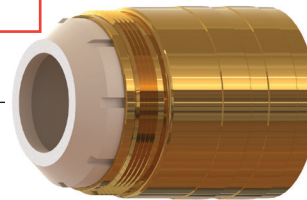
**Shield Retainer**  
37081



<b>Shield</b>	
0558006130	3.0mm (.120)
0558006141	4.1mm (.160)
0558006166	6.6mm (.229)
0558007624	2.4mm
0558009425	2.5mm

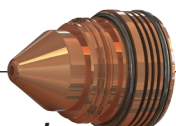


<b>Diffuser</b>	
0004470030	(50A)
0004470031	(100-600A)
*0004470115	(100-600A CCW)
21944	(100-600A)
22496	(100-600A CCW)

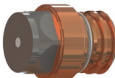


**Retaining Cap**  
37082

**PLASMA**



<b>Nozzle</b>	
0558006010ATTC	1.0mm (50A)
0558006014ATTC	1.4mm (100A)
0558006018ATTC	1.8mm (130A)
0558006020ATTC	2.0mm (200A)
0558006023ATTC	2.3mm (260/280A)
0558006025ATTC	2.5mm (280/300A)
0558006030ATTC	3.0mm (360A ALU)
0558006036ATTC	3.6mm (450A SS)
0558006041ATTC	4.1mm (600A SS)



<b>Electrode</b>	
0558003914-AG	(50-450)
*0558005459ATTC	(low curr)
0558003928ATTC	(N2/H35)

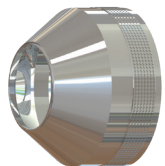


<b>Gas Baffle</b>	
0558001625	(8 Hole)
0558002530	(8 Hole rev.)
0558002533	(4 Hole)
0558002534	(4 Hole rev.)

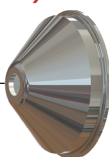
**Not Shown**

- \*0558003924 - Electrode Holder Assy.
- \*0558003804 - Torch Body
- 0558003926 - O-Ring

**ESAB/L-TEC<sup>®</sup> PT-36 (M3<sup>®</sup>) XR CONSUMABLES**



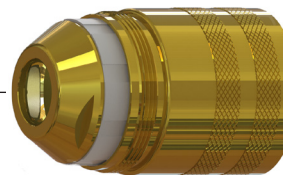
**Shield Retainer**  
0558009548



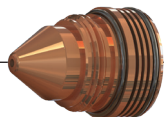
<b>Shield</b>	
0558010766	6.6mm
0558009551	4.1mm



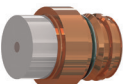
<b>Diffuser</b>	
0004470030	(50A)
0004470031	(100-600A)
*0004470115	(100-600A CCW)
21944	(100-600A)
22496	(100-600A CCW)



**Retaining Cap**  
\*0558009550



<b>Nozzle</b>	
0558011619ATTC	1.9mm (200A)
0558010722ATTC	2.2mm (260A)
0558011625ATTC	2.5mm (360A)
0558006028ATTC	2.8mm (400/450A)



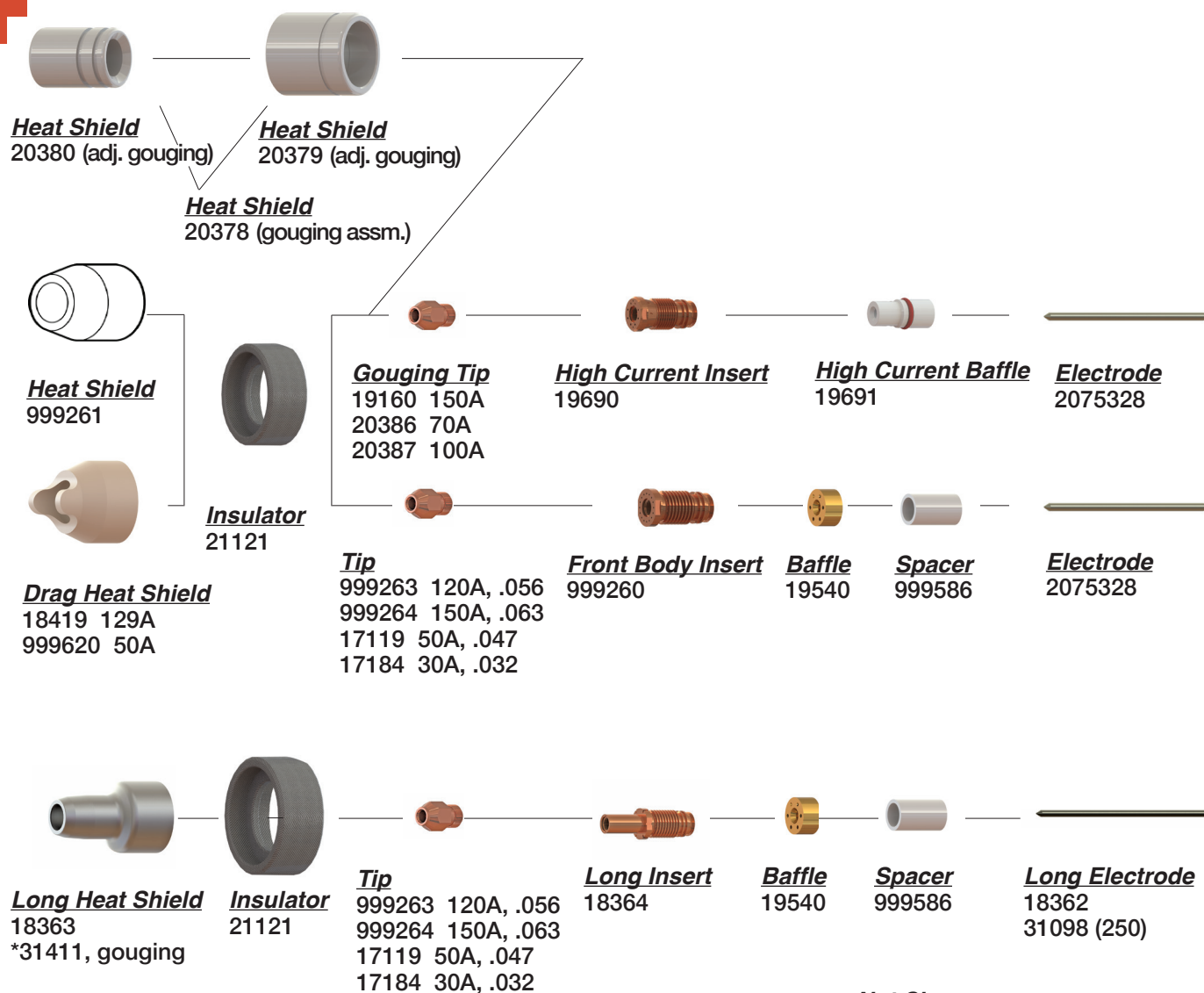
<b>Electrode</b>	
0558012000ATTC	(O <sub>2</sub> )



<b>Gas Baffle</b>	
0558002533	100A-200A
0558001625	100A-600A
0558002530	CCW

**Micro Parts**

- 0558009400ATTC - Electrode
- 0558009410ATTC - Nozzle
- 0558009425 - Shield
- 0558003924 - Electrode Holder Assy

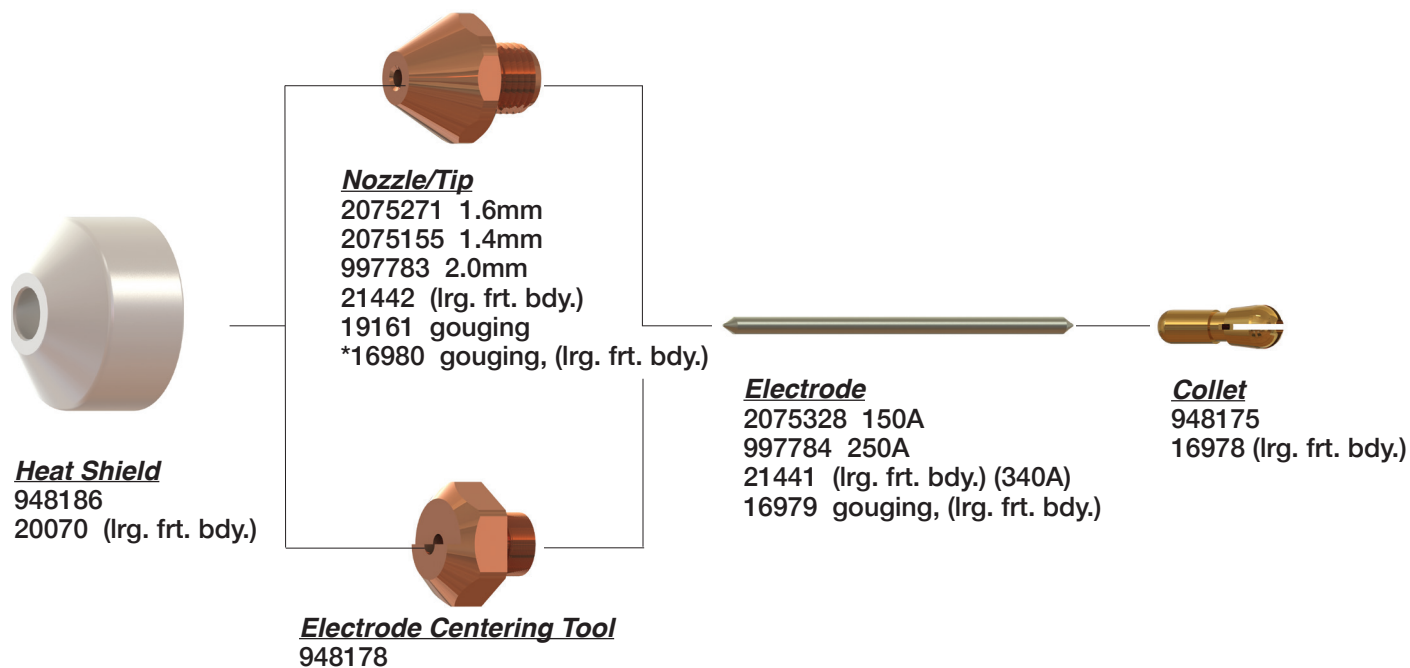
**ESAB/L-TEC<sup>®</sup>****ESAB/L-TEC<sup>®</sup> PT-121****Not Shown**

18449 Power Cable 50' N/C  
 19654 Collet, Cop.H.D.  
 20098 H.D. Gouging Heat Shield  
 994092 O-Ring  
 999257 Back Cap  
 999259 Collet  
 999262 Gasket  
 999266 Electrode Centering Tool

**ESAB/L-TEC®**

**ESAB/L-TEC® PT-251**

**PLASMA**



**Not Shown**

\*948171 Torch Cap, (lrg. frt. bdy.)  
\*948174 Front Body Assm.  
948179 Gasket  
86W99 O-Ring

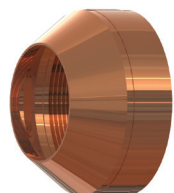
**NOTE**

(lrg. frt. bdy.) = Long Front Body

**CleanCut™**

**Next-Generation Plasma Consumables  
are available for the PT-600.**

***Click here for Free Trial!***

**ESAB/L-TEC®**
**ESAB/L-TEC® PT-600**


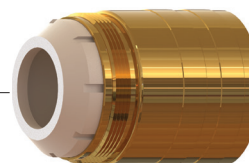
**Shield Retainer**  
37081



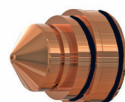
**Shield**  
21802  
21945 360A  
22498 (reverse)  
0558004678 .160 70/200A



**Gas Diffuser**  
21944  
\*22496 (ccw)  
0004470030 50A  
0004470031 100A-600A  
0004470115 100A-600A \*OEM (ccw)



**Nozzle Retaining Cup**  
37082



**Nozzle**  
0558001623ATTC 250A  
0558001881ATTC 50A  
0558001882ATTC 100A  
0558001883ATTC 150A  
0558001884ATTC 200A  
0558001885ATTC 360A  
0558001886ATTC 400A  
0558001887ATTC 600A



**Electrode**  
0558001624-AG 250A  
\*0558002499 600A (N<sub>2</sub>, H-35)  
0558002516-AG 360A  
0558004461 250A  
\*0558004462 400A



**Electrode Holder**  
0558001621



**Gas Baffle**  
0558001625 (8 hole)  
0558002530 (reverse)  
0558002533 (4 hole)  
0558002534 (4 hole rev.)  
\*0558005457 (4x.022)

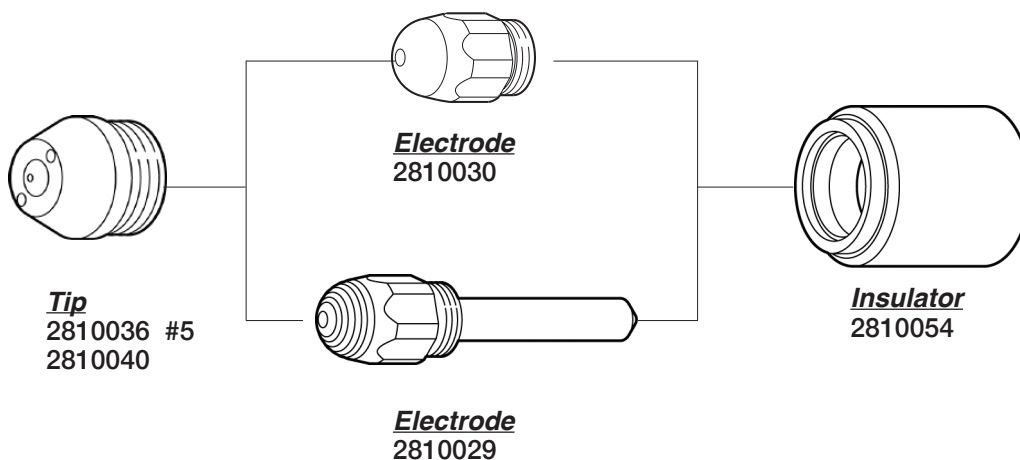
**Not Shown**

\*0558001626 Torch Sleeve  
\*0558001628 Holder Removal Tool  
\*0558001825 Torch Body  
\*0558005306 Nozzle  
\*0558001825 Nozzle Shield .160  
0558002530 Swirl Baffle PT600 250A Rev

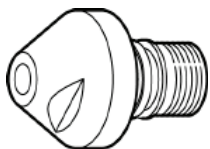
**HARRIS<sup>®</sup>**

**HARRIS<sup>®</sup>**

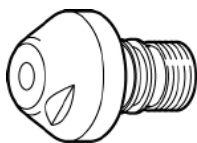
**PLASMA**



**HETTIGER<sup>®</sup> NO.1**



**Tip**  
27.6mm X 4.0mm

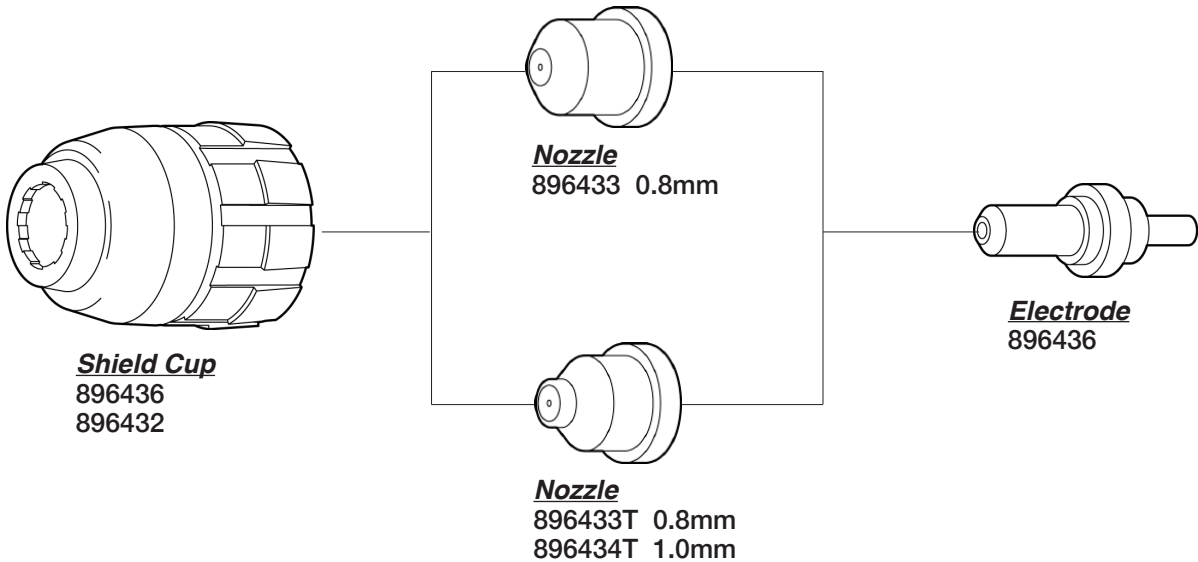


**Tip**  
30.5mm X 4.0mm

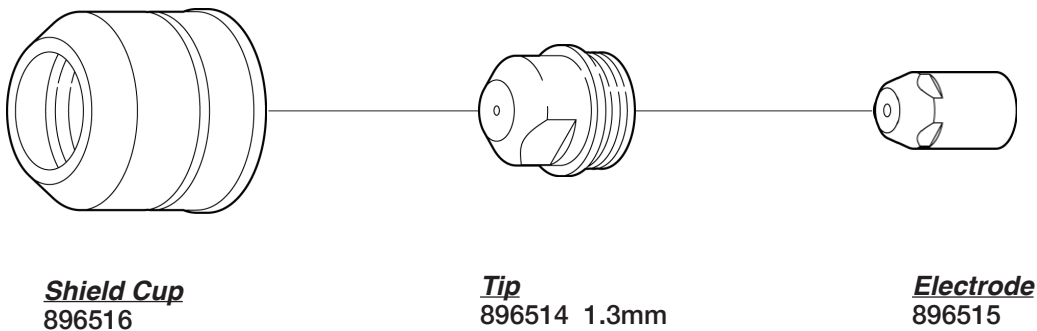
**Not Shown**  
2810057 No Longer Available

HITACHI<sup>®</sup>

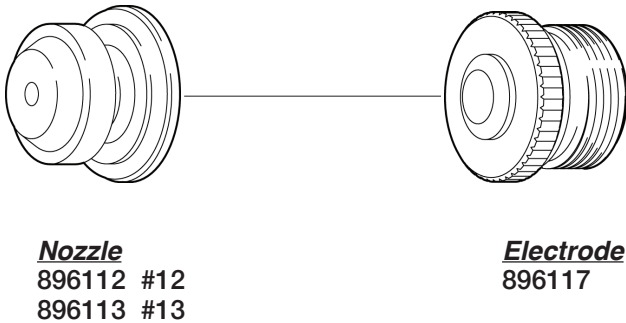
HITACHI<sup>®</sup> PTP-51



HITACHI<sup>®</sup> PTP-81



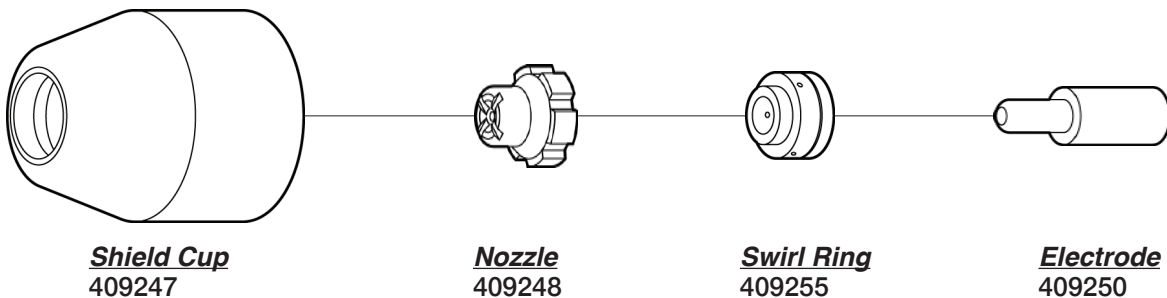
HITACHI<sup>®</sup> UG-31



American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

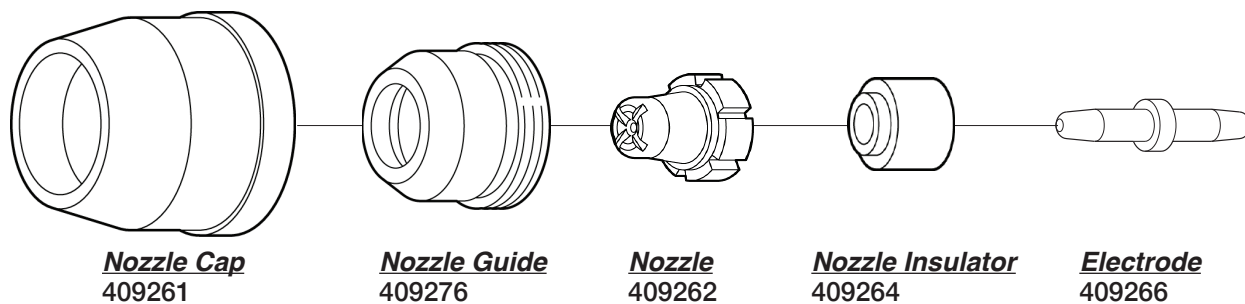
**HOBART<sup>®</sup>**

**HOBART<sup>®</sup> TP-3A**

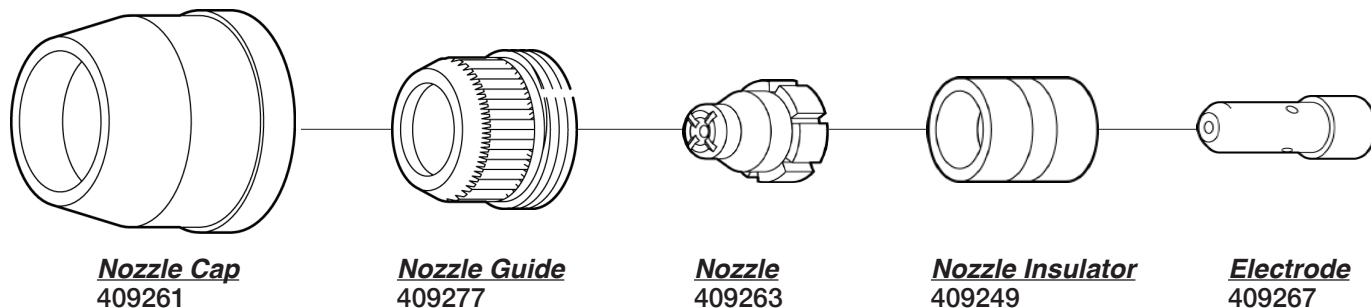


**PLASMA**

**HOBART<sup>®</sup> TP-6A/P**

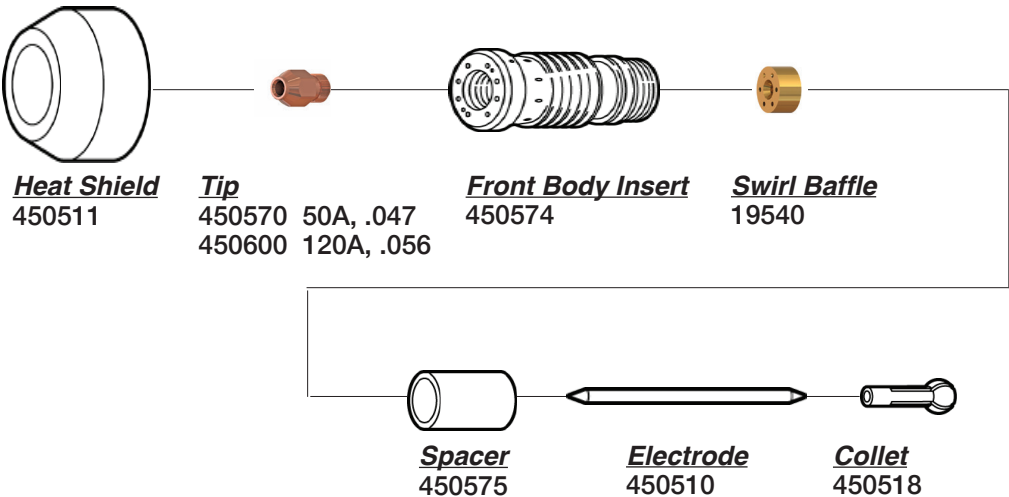


**HOBART<sup>®</sup> TP-10A/P**



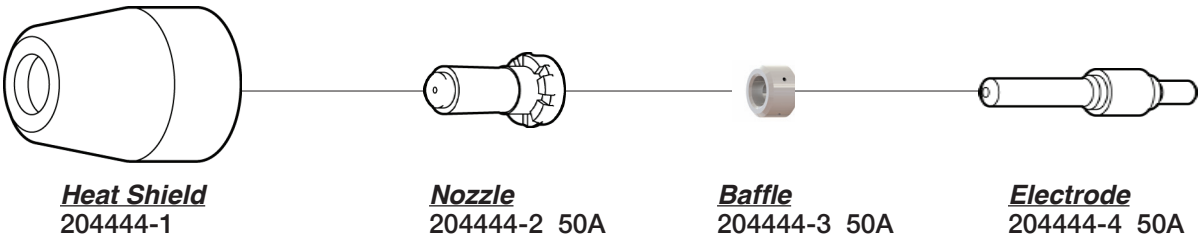
**HOBART<sup>®</sup>**

**HOBART<sup>®</sup> TP-12**



**Not Shown**  
450519 Gasket  
450522 O-Ring

**HOBART<sup>®</sup> ST-50A (625I)**

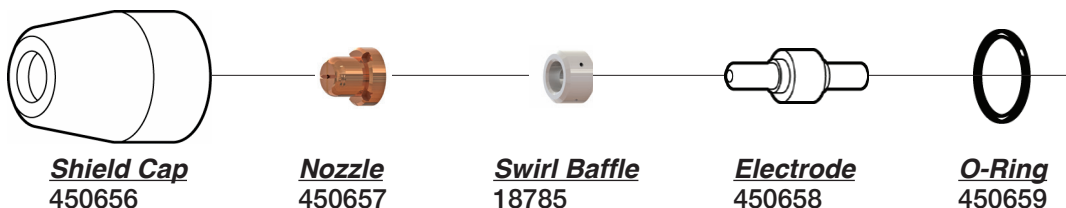


American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

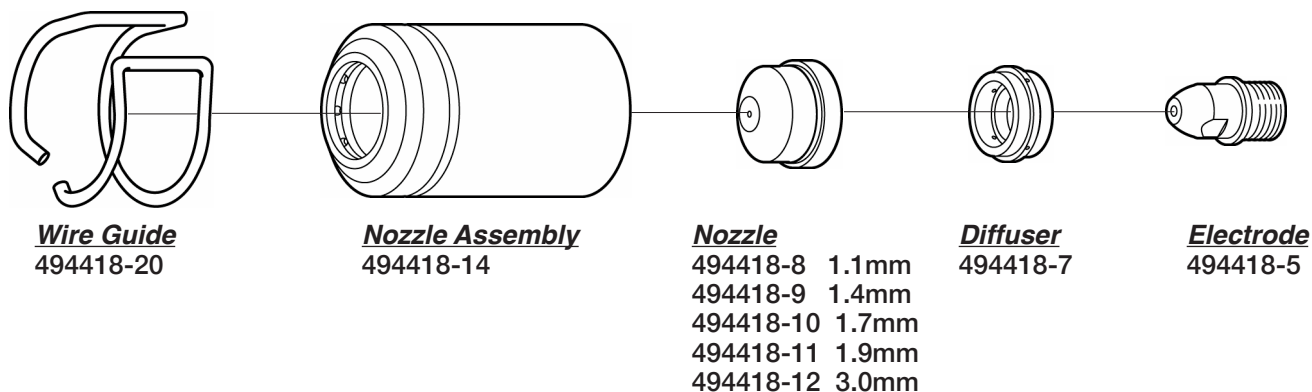
**HOBART<sup>®</sup>**

**HOBART<sup>®</sup> HSC-30A**

**PLASMA**



**HOBART<sup>®</sup> 120**



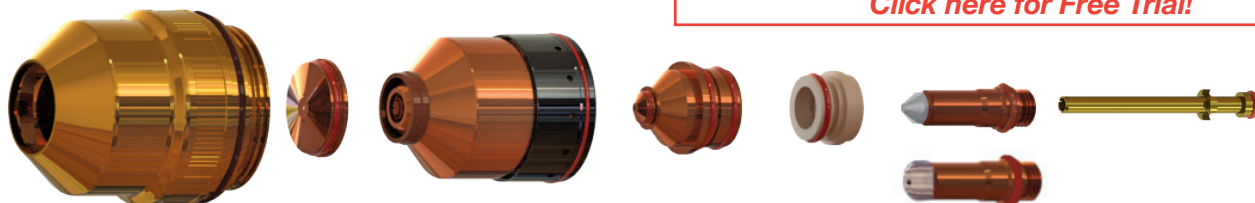
**Not Shown**

- 494418-2 Torch Body, 140A
- 494418-3 O-Ring
- 494418-4 O-Ring
- 494418-13 Nozzle Assembly
- 494418-17 Insulator Contact
- 494418-18 Guide Cup
- 494418-19 Tip 2.4mm (gouging)
- 494418-21 Guide Cup, 2 pin
- 494418-22 Guide Cup, 4 pin

**HYPERTHERM® HPR260XD®/HPR400XD®**
**CleanCut™**

Next-Generation Plasma Consumables  
are available for the HPR260HD® and HPR400XD®.

[Click here for Free Trial!](#)

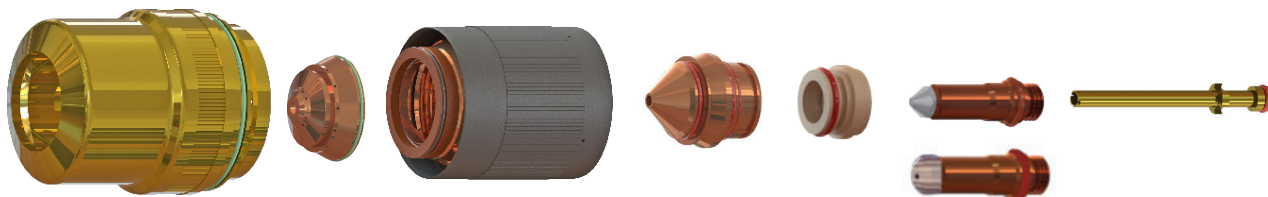


*(Typical setup shown. Parts for your application may look slightly different)*

Amperage	Shield Cap	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
30	220747	220194ATTC	220754	220193ATTC	220180	220192ATTC	220340ATTC
50	220747	220555ATTC	220754	220554ATTC	220553	220552ATTC	220340ATTC
80	220747	220189ATTC	220756	220188ATTC	220179	220187ATTC	220340ATTC
130	220747	220183ATTC	220756	220182ATTC	220179	220181ATTC	220340ATTC
						220665ATTC (Silver)	
<b>Stainless Steel</b>							
45	220747	220202	220755	220201ATTC	220180	220308ATTC	220340ATTC
80	220747	220338ATTC	220755	220337ATTC	220179	220339ATTC	220340ATTC
130	220747	220198ATTC	220755 (H35)	220197ATTC	220179	220307ATTC	220340ATTC
			220756 (N2)				
<b>Aluminum</b>							
45	220747	220202	220756	220201ATTC	220180	220308ATTC	220340ATTC
130	220747	220198	220755 (H35)	220197ATTC	220179	220307ATTC (H35)	220340ATTC
			220756 (Air)			220181ATTC (Air)	

**HYPERTHERM<sup>®</sup> HPR260XD<sup>®</sup>/HPR400XD<sup>®</sup>**

**PLASMA**



*(Typical setup shown. Parts for your application may look slightly different)*

Amperage	Shield Cap	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
<b>Mild Steel</b>							
200	*220637	*220761	*220757	220354ATTC	220353	220352ATTC 220666ATTC (Silver)	220340ATTC
260	*220637	*220764	*220760	220439ATTC	220436	220435ATTC	220340ATTC
						220668ATTC (Silver)	
<b>Stainless Steel</b>							
200	*220637	*220762	*220758	220343ATTC	220342	220307ATTC	220340ATTC
260	*220637	*220763	*220758	220406ATTC	220405	220307ATTC	220340ATTC
<b>Aluminum</b>							
200	*220637	*220762	*220759	220346ATTC	220342	220307ATTC	220340ATTC
260	*220637	*220763	*220758	220406ATTC	220405	220307ATTC	220340ATTC

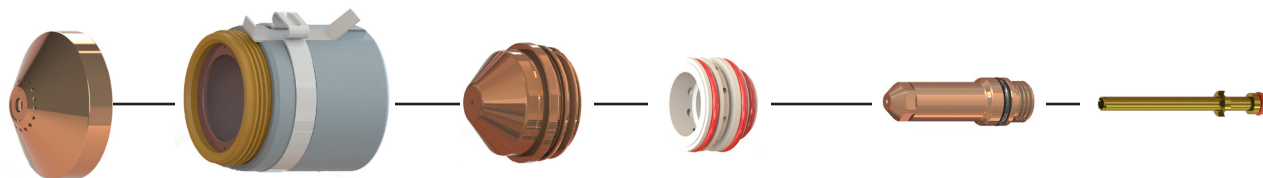
**CleanCut<sup>™</sup>**

**Next-Generation Plasma Consumables  
are available for the HPR260XD<sup>®</sup> and HPR400XD<sup>®</sup>.  
[Click here for Free Trial!](#)**

**HYPERTHERM<sup>®</sup> HYPRO<sup>®</sup> 2000****CleanCut<sup>™</sup>**

**Next-Generation Plasma Consumables  
are available for the HYPRO<sup>®</sup> 2000.**

**[Click here for Free Trial!](#)**



Amperage	Shield	Shield Cap	Nozzle	Swirl Ring	Electrode	Water Tube
<b>O<sub>2</sub> — Mild Steel</b>						
50	220532	220936 220935 (without tab)	220891ATTC	*220529	220528ATTC	220521ATTC
130	220491	220936 220935 (without tab)	220893ATTC	*220488	220847ATTC 420185 (Silver)	220521ATTC
200	220832	220936 220935 (without tab)	220831ATTC	*220834	220937ATTC 220925ATTC (Silver)	220521ATTC
<b>Air — Mild Steel — Stainless Steel — Aluminum</b>						
50	220532	220936 220935 (without tab)	220890ATTC	*220529	220528ATTC	220521ATTC
130	220536	220936 220935 (without tab)	220892ATTC	*220488	220487ATTC	220521ATTC
200	420045	220936 220935 (without tab)	420044ATTC	*220488	220937ATTC	220521ATTC
<b>N<sub>2</sub> — Stainless Steel — Aluminum</b>						
200	420045	220936 220935 (without tab)	420044ATTC	*220529	020415ATTC	220521ATTC

New for Hypertherm® HPR130®, HPR260®, HPR260XD® & HPR400XD®

# **CleanCut**

**Next-Generation Plasma Consumables**

*From American Torch Tip*

## **BURN LONGER. CUT CLEANER.**

### **CleanCut**

*Designed to Work Together*

#### **CleanCut™ Electrode**

##### **Extend Electrode Life**

- More efficient cooling
- Extended hafnium electrode life
- 25% – 50% longer production time

##### **Prevent Nozzle Damage**

- Cooler silver electrodes diminish nozzle damage
- Nozzles paired with silver electrodes last longer

#### **CleanCut™ Rocket Nozzle**

(patent pending)

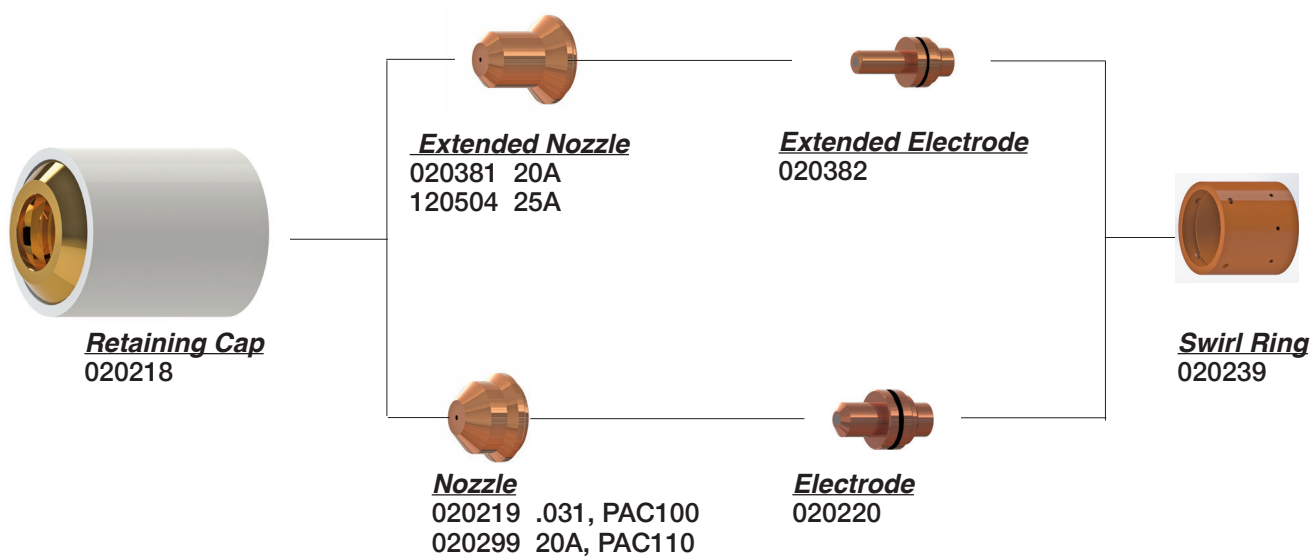
##### **Supercharge the Plasma Arc**

- Smooth-bore configuration reduces turbulence
- Stabilizes and accelerates the plasma arc column
- Produces ultra-smooth cuts

### **CleanCut**

Click here to sign up for a **FREE TRIAL!**

**AMERICAN  
TORCH TIP ATTC**

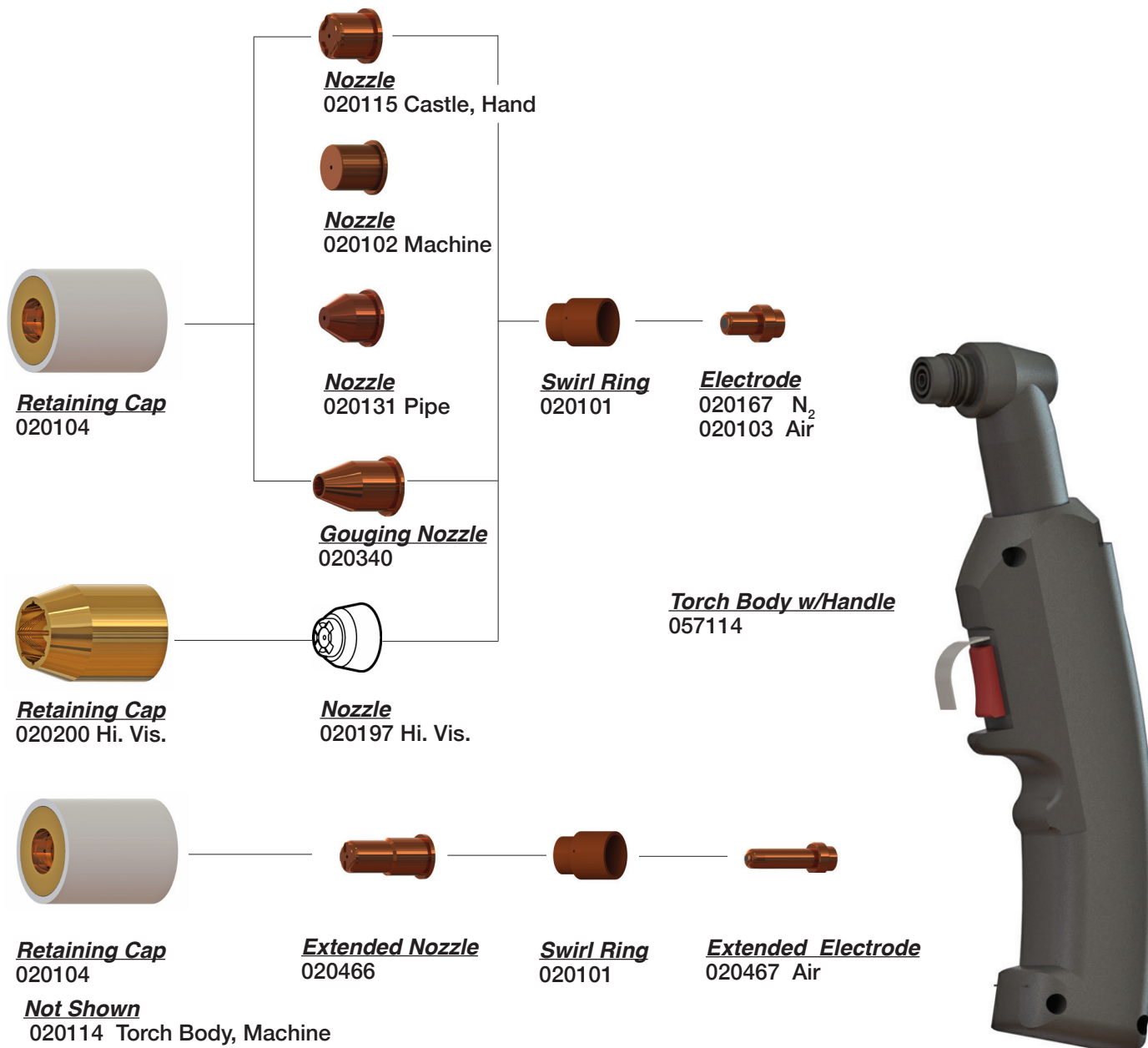
**HYPERTHERM®**
**HYPERTHERM® MAX-20® (PAC110) POWERMAX 30®**
**PLASMA**

**Not Shown**

\*001192 Handle  
005094 Switch, Push Button  
\*020588 Torch Body  
026016 O-Ring (red)  
\*028482 Torch w/Kit  
044016 O-Ring (black)  
\*070057 Torch w/15' Leads  
\*070058 Torch w/25' Leads

**HYPERTHERM<sup>®</sup>**

**HYPERTHERM<sup>®</sup> MAX-40<sup>®</sup>(PAC140)**

**PLASMA**

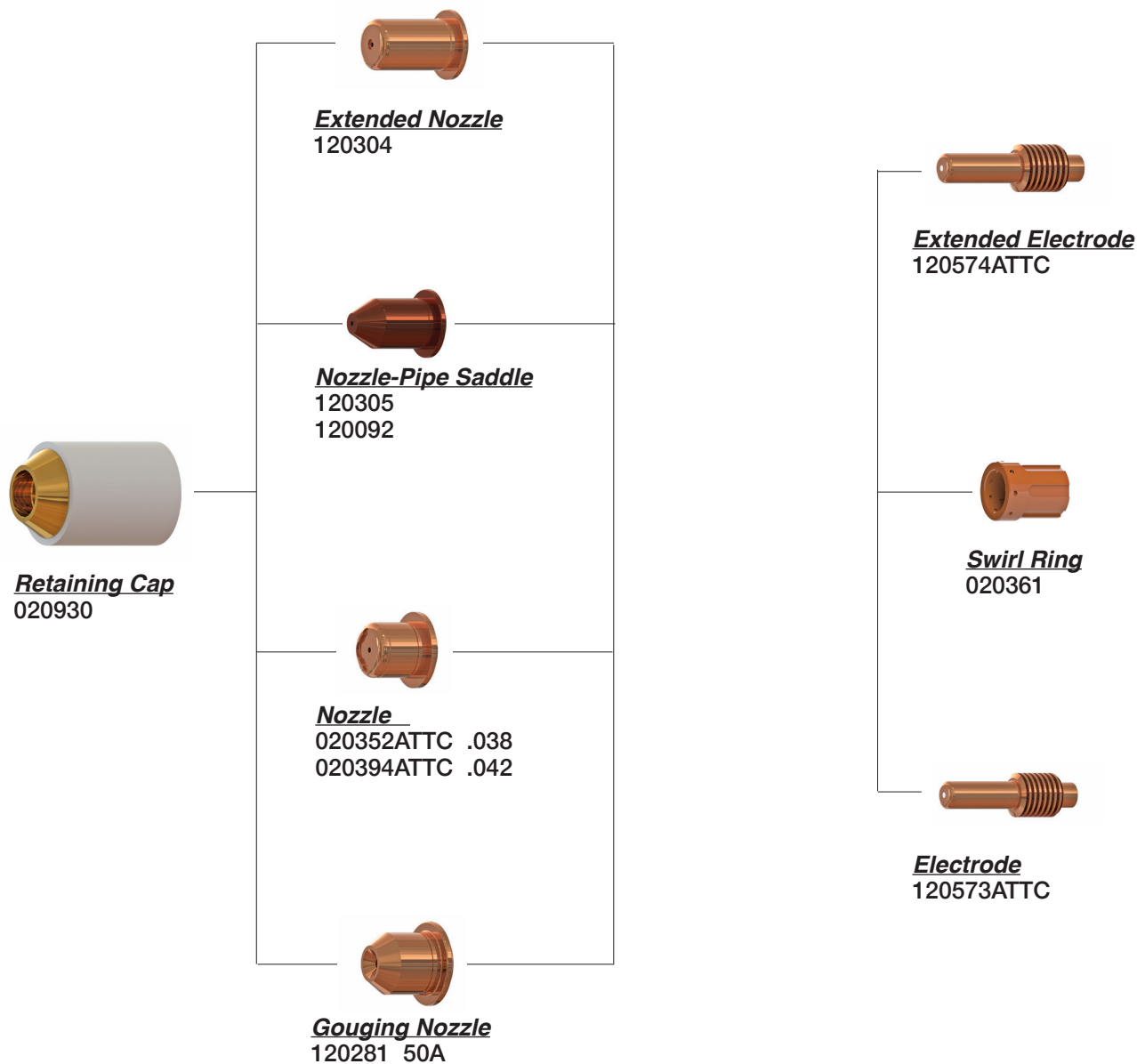


**Not Shown**

020114 Torch Body, Machine  
 \*020120 Handle, 70°  
 \*020231 10-3/4" Torch Pos. Sleeve  
 020479 PAC140 Torch Main Body  
 026016 O-Ring (red)  
 029129 25' Lead  
 044016 O-Ring (black)  
 057112 75° Torch w/25' Lds Hand  
 057053 180° Torch w/25' Lds Mach.

**HYPERTHERM<sup>®</sup>**

**HYPERTHERM<sup>®</sup> MAX-40CS/42/43<sup>®</sup>**



**Not Shown**

\*001215 Handle

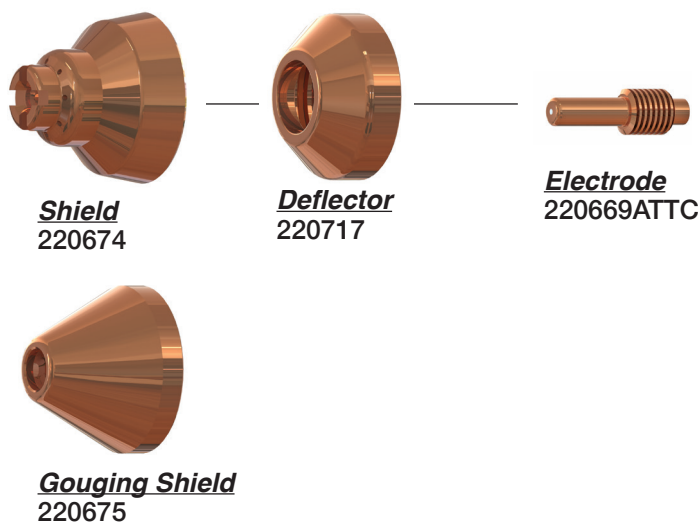
\*071069 Torch Body 70° W/25' Leads QD/PAC121P

\*120013 Torch Body PAC121P, w/Switch

# **HYPERTHERM<sup>®</sup>**

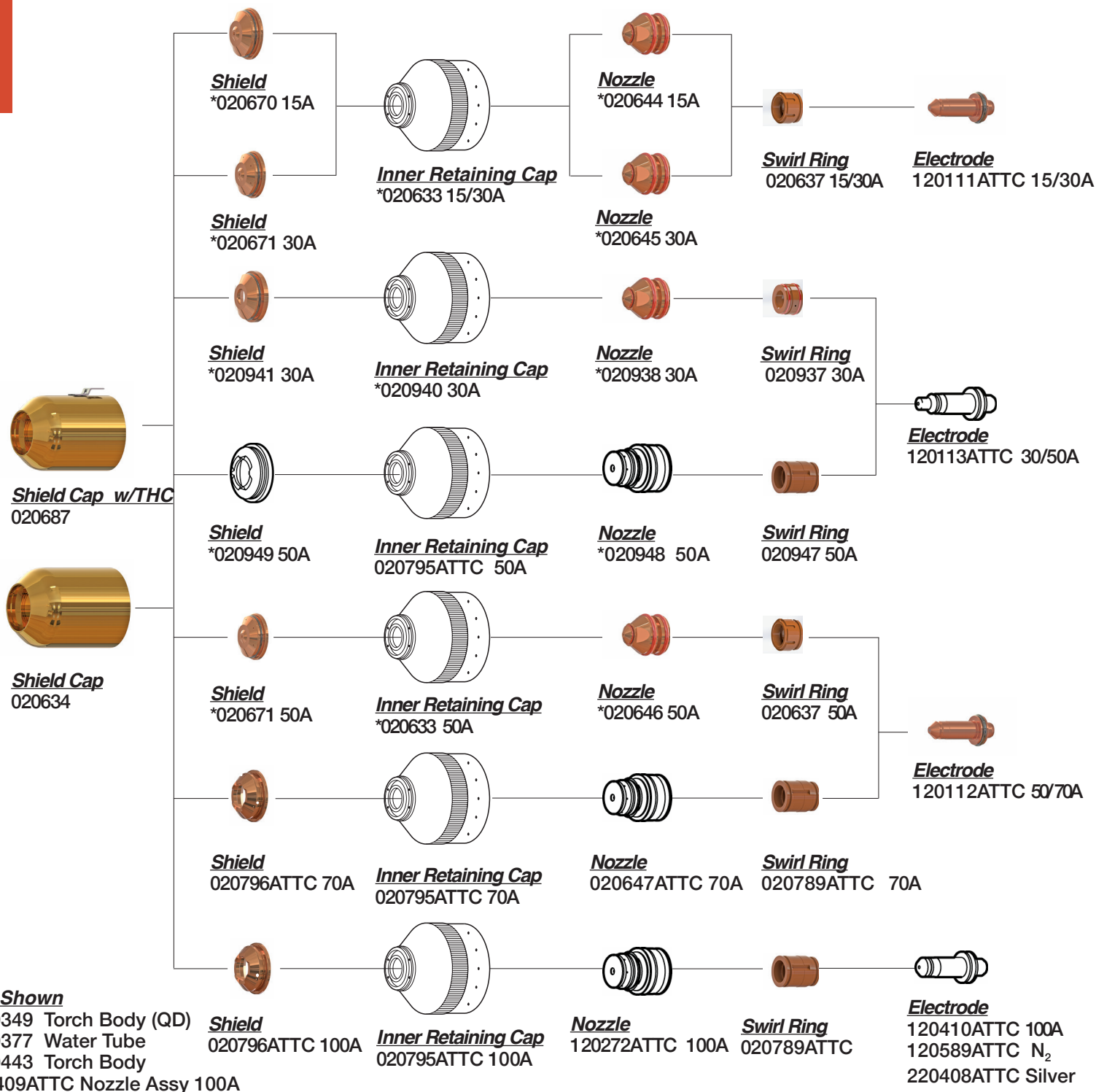
## **HYPERTHERM<sup>®</sup> MAX-45<sup>®</sup>**

**PLASMA**



### **Not shown**

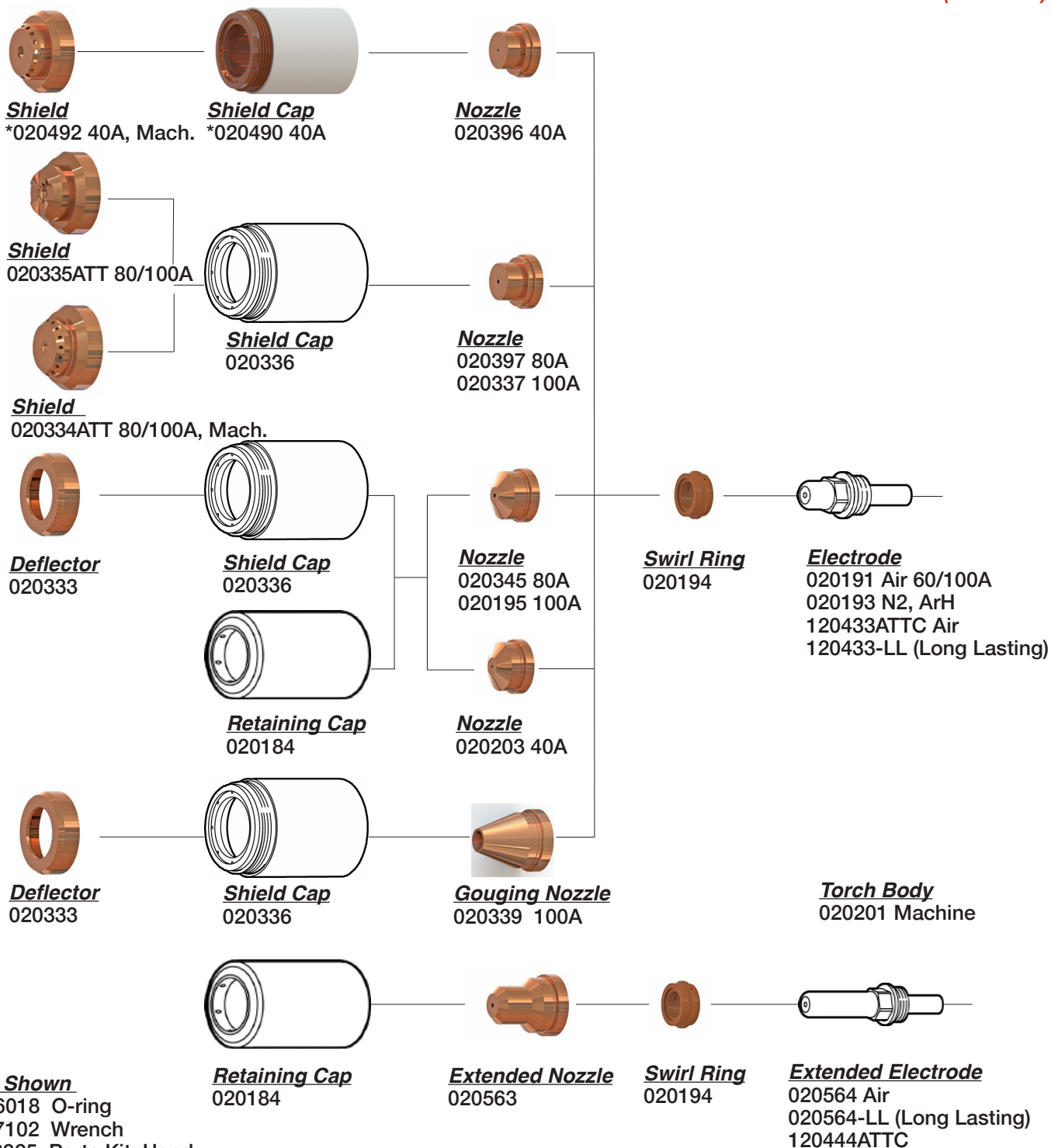
220670 Swirl Ring  
220671ATTC Nozzle Pmx 45  
220672 Gouging Nozzle  
220713 Retaining Cap  
220718 Nozzle

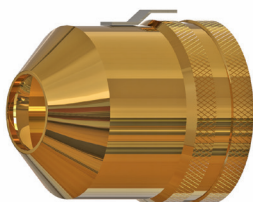
**HYPERTHERM®****HYPERTHERM® HD-1070/3070®****PLASMA**

**HYPERTHERM<sup>®</sup>**

**HYPERTHERM<sup>®</sup> MAX-100<sup>®</sup> (PAC130)**

**PLASMA**



**HYPERTHERM®****HYPERTHERM® HD4070®****Retaining Cap**

120786ATTC w/o tab  
120907ATTC with tab

**Nozzle**

120685ATTC 70A  
120660ATTC 100A  
120692ATTC 200A

**Swirl Ring**

\*120684 70A  
\*120655 100A  
\*120691 200A

**Electrode**

120683ATTC 70A  
120654ATTC 100A  
120690ATTC 200A

**Mild Steel****Stainless Steel****Aluminum****Not Shown**

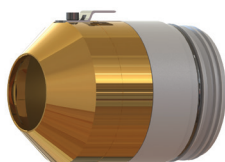
\*120651 Torch Body

120713ATTC 70A  
120720ATTC 100A  
120727ATTC 200A  
120748ATTC 70A  
120755ATTC 100A  
120762ATTC 300A

\*120712 70A  
\*120719 100A  
\*120726 200A  
\*120747 70A  
\*120754 100A  
\*120761 200A

120711ATTC 70A  
120718ATTC 100A  
120725ATTC 200A

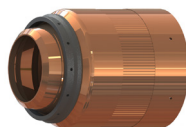
120746ATTC 70A  
120753ATTC 100A  
120760ATTC 200A

**HYPERTHERM® 260® (BEVELING)****130 Amp Mild Steel Stainless**

**Outer Cap**  
220398ATTC



**Shield**  
220645ATTC  
220609ATTC



**Retaining Cap**  
220603  
220608



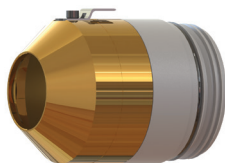
**Nozzle**  
220646ATTC  
220656ATTC



**Swirl Ring**  
\*220179



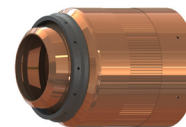
**Electrode**  
220649ATTC  
220606ATTC

**260 Amp Mild Steel Stainless**

**Outer Cap**  
220398ATTC



**Shield**  
220545ATTC  
220609ATTC



**Retaining Cap**  
220603ATT  
220608ATT



**Nozzle**  
220542ATTC  
220607ATTC



**Swirl Ring**  
\*220436



**Electrode**  
220541ATTC  
220606ATTC



**Water Tube**  
220571ATTC  
220700ATTC

\*ATTC Water Tube must be used with ATTC electrode.

## CleanCut™

Next-Generation Plasma Consumables  
are available for the HPR130 and HPR260.  
[Click here for Free Trial!](#)

## HYPERTHERM®

HYPERTHERM® HPR130® & 260®

PLASMA

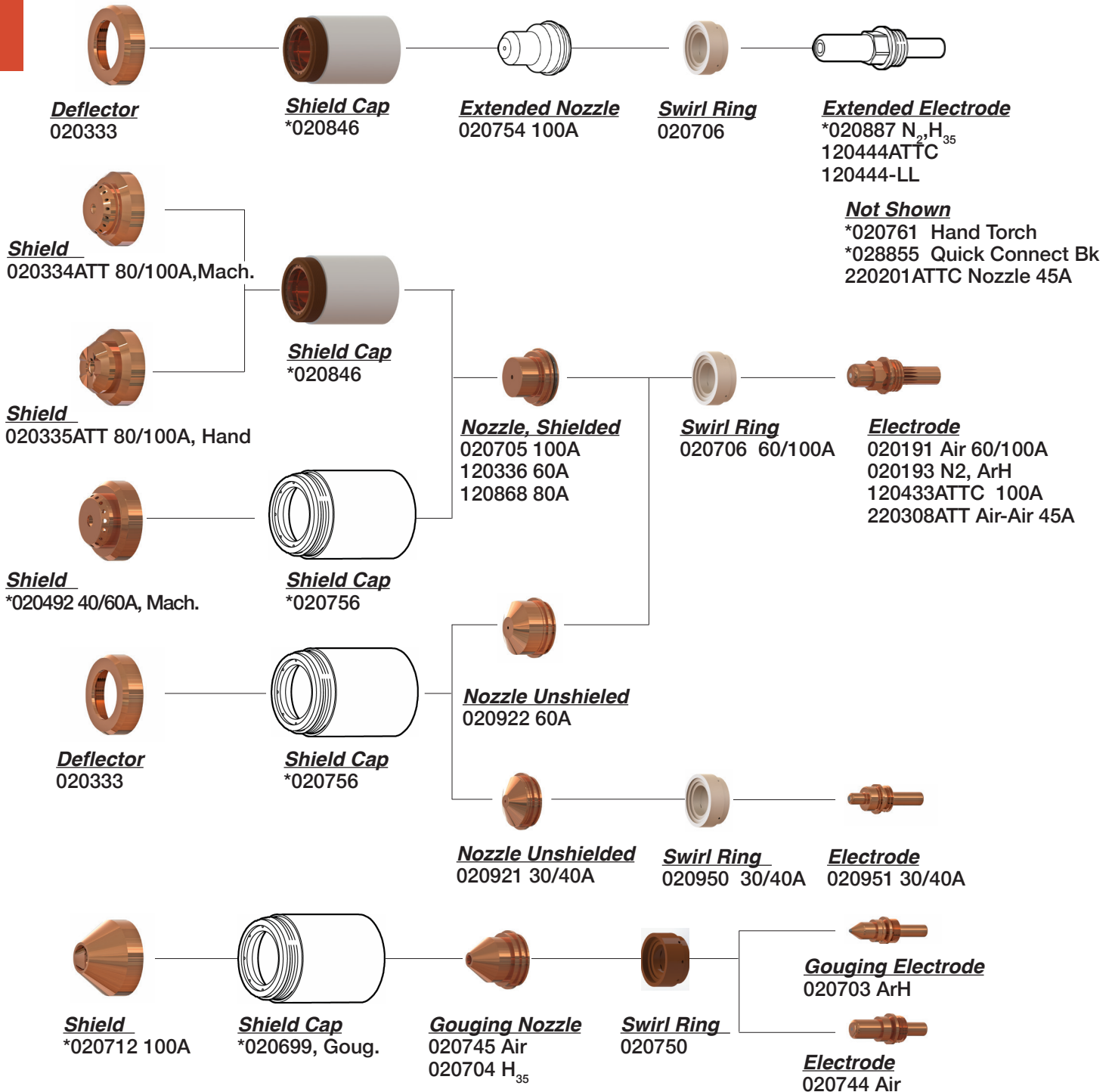
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

### Not Shown

220644ATTC Inner Retainer 100A  
220347ATTC Inner Retainer Cap  
220202 Shield 45A

### Water Tube 220340ATTC

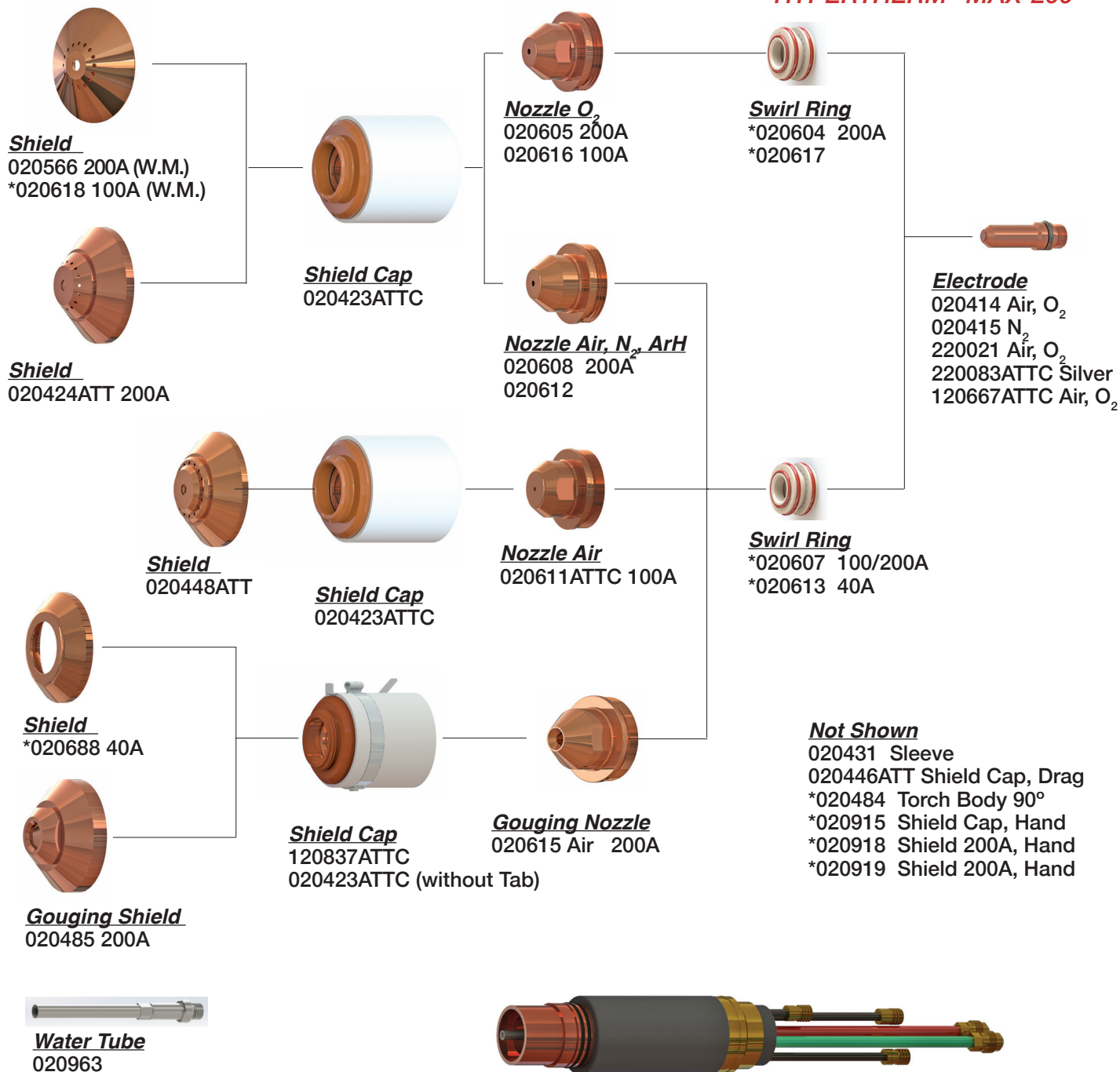
ATTC Water Tube must be used with ATTC electrode

**HYPERTHERM®****HYPERTHERM® MAX-100D®(PAC160)****PLASMA**

**HYPERTHERM<sup>®</sup>**

**HYPERTHERM<sup>®</sup> MAX-200<sup>®</sup>**

**PLASMA**



**Misc. parts not shown for Rev.1 Torch**

020416 Swirl Ring	*020425 Swirl Ring
020417 Nozzle	020447 Nozzle
020418 Nozzle	020486 Nozzle

**HYPERTHERM<sup>®</sup>****HYPERTHERM<sup>®</sup> MAXPRO-200<sup>®</sup>****PLASMA****CleanCut<sup>™</sup>**

**Next-Generation Plasma Consumables  
are available for the HYPERTHERM<sup>®</sup>  
MAXPRO-200<sup>®</sup>.**

**[Click here for Free Trial!](#)**

Amperage	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube**
<b>Mild Steel – Air Plasma</b>						
50A	220532	220936	220890ATTC	*220529	220528ATTC	220521ATTC
130A	220536	220935 w/o tab	220892ATTC	*220488	220487ATTC	220521ATTC
200A	420045		420044ATTC	*220488	220937ATTC	220521ATTC
<b>Mild Steel – O2 Plasma</b>						
50A	220532	220936	220891ATTC	*220529	220528ATTC	220521ATTC
130A	220491	220935 w/o tab	220893ATTC	*220488	220487ATTC	220521ATTC
200A	220832		220831ATTC	*220834	220937ATTC	220521ATTC
<b>Stainless Steel / Aluminum – N2 Plasma</b>						
130A	220536	220936	220892ATTC	*220529	020415ATTC	220521ATTC
200A	420045	220935 w/o tab	420044ATTC	*220529	020415ATTC	220521ATTC

**\*\*ATTC-style water tube needs to be used with ATTC-style electrode.**

New for Hypertherm® HPR130®, HPR260®, HPR260XD® & HPR400XD®

# **CleanCut**

**Next-Generation Plasma Consumables**

*From American Torch Tip*

## **BURN LONGER. CUT CLEANER.**

### **CleanCut**

*Designed to Work Together*

#### **CleanCut™ Electrode**

##### **Extend Electrode Life**

- More efficient cooling
- Extended hafnium electrode life
- 25% – 50% longer production time

##### **Prevent Nozzle Damage**

- Cooler silver electrodes diminish nozzle damage
- Nozzles paired with silver electrodes last longer

#### **CleanCut™ Rocket Nozzle**

(patent pending)

##### **Supercharge the Plasma Arc**

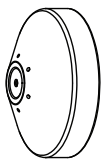
- Smooth-bore configuration reduces turbulence
- Stabilizes and accelerates the plasma arc column
- Produces ultra-smooth cuts

### **CleanCut**

Click here to sign up for a **FREE TRIAL!**

**AMERICAN  
TORCH TIP ATTC**

**HYPERTHERM® HSD-130®**



**Shield**  
220532ATT 45A Air  
220532ATT 50A O<sub>2</sub>  
220536ATT 130A Air  
220491ATT 130A O<sub>2</sub>



**Shield Cap**  
220578  
220534



**Nozzle**  
220525ATTC  
220530ATTC  
220489ATTC  
220492ATTC



**Swirl Ring**  
220488  
220529

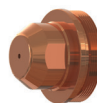
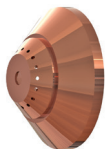


**Electrode**  
020415  
220528ATTC  
220487

American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

# HYPERTHERM<sup>®</sup>

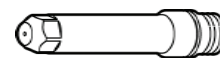
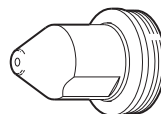
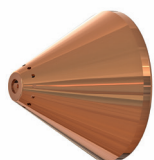
## HYPERTHERM<sup>®</sup> HT-2000<sup>®</sup>



(Typical setup shown. Parts for your application may look slightly different)

PLASMA

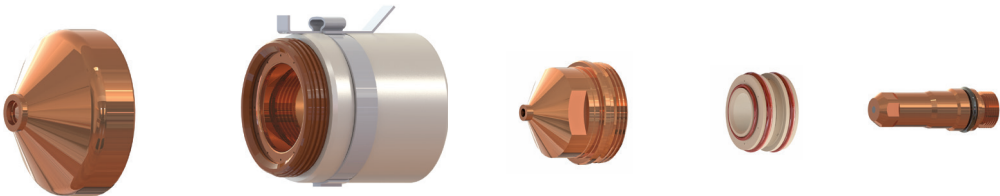
Amperage	PlasmaGas / Shield Gas	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode
<b>Mild Steel</b>						
200	O <sub>2</sub> / Air	020424	120837 (w/ tab) 020423 (w/o tab)	020605	120833	220084ATTC Clean Cut
200	O <sub>2</sub> / Air	020424	120837 (w/ tab) 020423 (w/o tab)	020605	120833	120667ATTC
200	Air / Air	020424	120837 (w/ tab) 020423 (w/o tab)	020608	020679	120667ATTC
200	N <sub>2</sub> / CO <sub>2</sub>	020424	120837 (w/ tab) 020423 (w/o tab)	020608	020607	020415
100	Air / Air	020424	120837 (w/ tab) 020423 (w/o tab)	020611	020607	120547ATTC
100	O <sub>2</sub> / Air	020424	120837 (w/ tab) 020423 (w/o tab)	020690	020613	120547ATTC
50	O <sub>2</sub> / O <sub>2</sub>	120186*	120185*	120182*	120179	120178
<b>Stainless Steel / Aluminum</b>						
200	Air / Air	020424	120837 (w/ tab) 020423 (w/o tab)	020608	020679	120667ATTC
200	N <sub>2</sub> / Air	020424	120837 (w/ tab) 020423 (w/o tab)	020608	020607	020415
200	N <sub>2</sub> / CO <sub>2</sub>	020424	120837 (w/ tab) 020423 (w/o tab)	020608	020607	020415
200	H35 / N <sub>2</sub>	020602	120837 (w/ tab) 020423 (w/o tab)	020608	020607	020415
100	Air / Air	020448	120837 (w/ tab) 020423 (w/o tab)	020611	020607	120547ATTC
100	H35 / N <sub>2</sub>	020448	120837 (w/ tab) 020423 (w/o tab)	020611	020607	020415
40	O <sub>2</sub> / Air	020688	020423 w/o tab	020611	020613	120667ATTC



Amperage	PlasmaGas / Shield Gas	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode
<b>Bevel Cutting</b>						
200	O <sub>2</sub> / Air	020424	120837 (w/ tab) 020423 (w/o tab)	020605	120833	120258

**HYPERTHERM<sup>®</sup>**

**HYPERTHERM<sup>®</sup> HT-2000<sup>®</sup> HIGH SPEED**

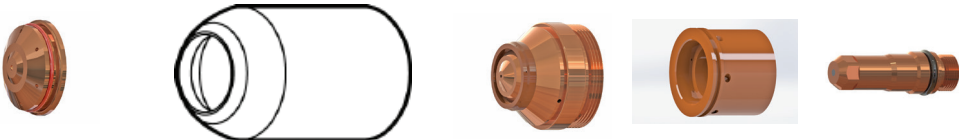


*(Typical setup shown. Parts for your application may look slightly different)*

Amperage	PlasmaGas / Shield Gas	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode
HySpeed <sup>®</sup>						
200	O <sub>2</sub> / Air	020424	120239ATTC	220237ATTC	220236*	220235

**HYPERTHERM<sup>®</sup>**

**HYPERTHERM<sup>®</sup> HT-2000<sup>®</sup> 50 AMP SETUP**



*(Typical setup shown. Parts for your application may look slightly different)*

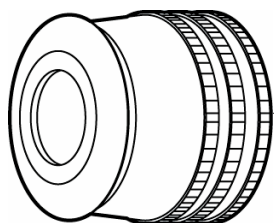
Amperage	PlasmaGas / Shield Gas	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode
HySpeed <sup>®</sup>						
200	O <sub>2</sub> / Air	020424	120239ATTC	220237ATTC	220236*	220235

American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

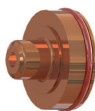
**HYPERTHERM<sup>®</sup>**

**HYPERTHERM<sup>®</sup> HT-400<sup>®</sup>**

**PLASMA**



**Retaining Cap**  
020087



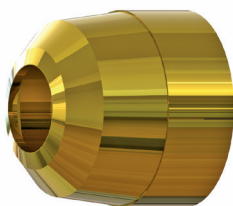
**Nozzle N<sub>2</sub>**  
020084 .166  
020089 .120



**Swirl Ring N<sub>2</sub>**  
020039 .120-.187  
020042 .120-.187



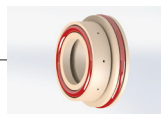
**Electrode N<sub>2</sub>**  
020082



**Retaining Cap**  
020246 Tapered, Vespel  
020579 Tapered, Vespel



**Nozzle O<sub>2</sub>**  
020086 .099  
020392 .099 (ccw)



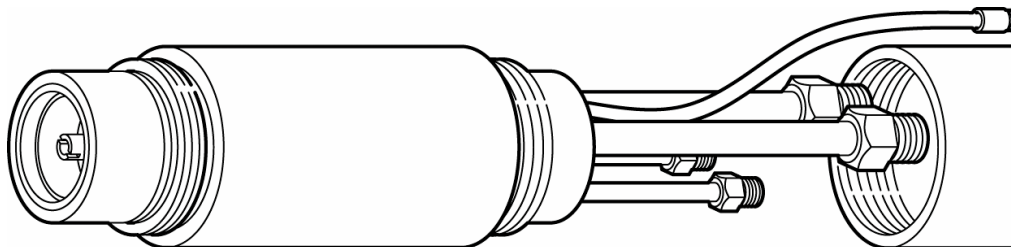
**Swirl Ring O<sub>2</sub>**  
020096  
020097 (ccw)  
020380 .099  
020391 .099 (ccw)



**Electrode O<sub>2</sub>**  
020081  
\*220397

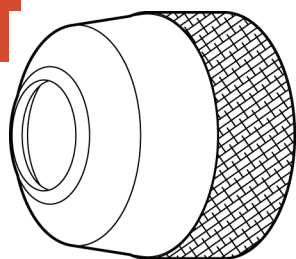


**Water Tube**  
020990

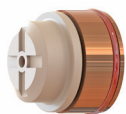


**Torch Body**  
020080

**Insulator Sleeve**  
020041

**HYPERTHERM®****HYPERTHERM® HT-4001® (PAC620)****Retaining Cap**

\*020580 Standard, Vespel  
020286 Standard, Vespel

**Nozzle N<sub>2</sub>**

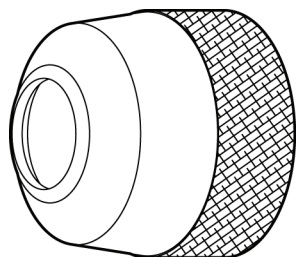
020281 .120  
020282 .166  
020283 .187  
020284 .220

**Swirl Ring N<sub>2</sub>**

020039 .120-.187  
020040 .220  
020042 .120-.187 (ccw)  
020079 .220 (ccw)

**Electrode N<sub>2</sub>**

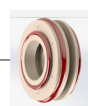
020285

**Retaining Cap**

020579 Tapered, Vespel  
120390

**Nozzle O<sub>2</sub>**

020086 .099

**Swirl Ring O<sub>2</sub>**

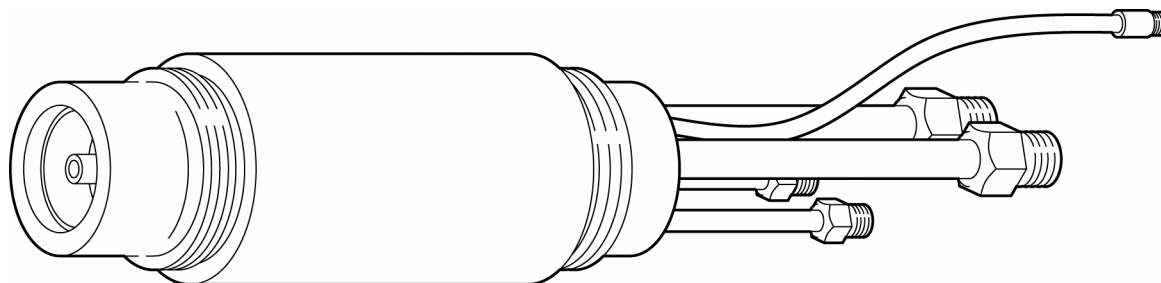
020623 260A  
120135 340A

**Electrode O<sub>2</sub>**

020663 260A  
120090ATTC 340A  
120630ATTC  
220397ATTC (Silver)

**Water Tube**

020990 170,400,600

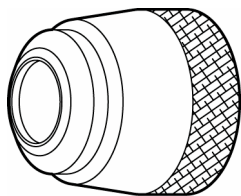
**Torch Body**

020328

**HYPERTHERM<sup>®</sup>**

**HYPERTHERM<sup>®</sup> HT-4001<sup>®</sup> (PAC 620) BEVELING**

**PLASMA**



**Retaining Cap**

\*120004 Vectra  
\*020969 Vespel



**Nozzle N<sub>2</sub>**

\*120386 .120  
120387 .166  
120388 .187  
\*120389 .220



**Swirl Ring N<sub>2</sub>**

020039 .120-.187  
020040 .220  
020042 .120-.187 (ccw)  
020079 .220 (ccw)



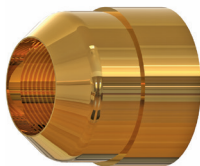
**Electrode N<sub>2</sub>**

020968



**Water Tube N<sub>2</sub>**

020991



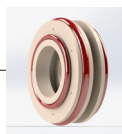
**Retaining Cap**

120390



**Nozzle O<sub>2</sub>**

120384  
120385 (ccw)



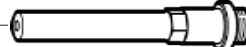
**Swirl Ring O<sub>2</sub>**

020623 260A  
\*120015 (ccw)



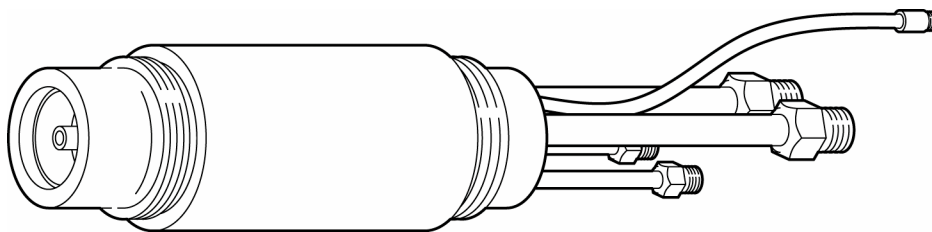
**Electrode O<sub>2</sub>**

020975 260A  
120462ATTC  
120836ATTC



**Water Tube O<sub>2</sub>**

020992

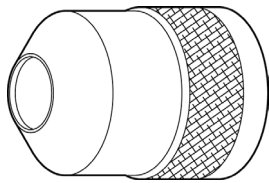


**Torch Body**

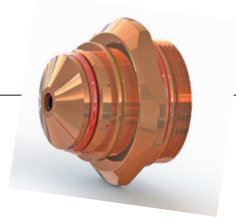
020970

**Not Shown**

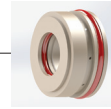
\*020749 Sleeve

**HYPERTHERM®**
**HYPERTHERM® HT-4100® PAC 611**


**Retaining Cap**  
120103ATTC



**Nozzle**  
020719  
120096  
120116 (ccw)



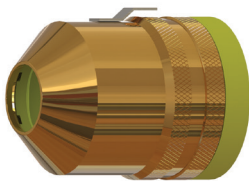
**Swirl Ring**  
\*120115 (ccw)  
\*120108



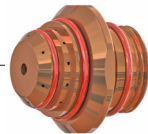
**Electrode**  
020721

**Not Shown**

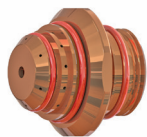
028513 Lead 35'  
120025 Water Tube  
\*120107 Torch Body  
\*120651 Torch Body w/QD  
\*120984 Underwater Cap

**HYPERTHERM® HT4400®**


**Retaining Cap**  
120907ATTC w/ Tab  
120786ATTC w/o Tab



**Nozzle**  
120777ATT 100A, O<sub>2</sub>  
120787ATT 200A, O<sub>2</sub>



**Nozzle**  
120794ATTC 300A, O<sub>2</sub>  
120795ATT 300A, CC  
120856ATT 400A, N<sub>2</sub>  
120934ATT 400A, O<sub>2</sub>  
120935ATT 400A CC



**Swirl Ring**  
120783 100A, O<sub>2</sub>  
\*120791 200A, O<sub>2</sub>  
120853 200/400A, N<sub>2</sub>  
120913 300A, O<sub>2</sub>  
120939 400A, O<sub>2</sub>

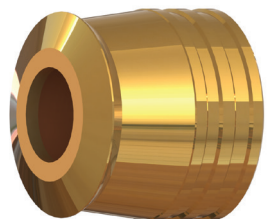


**Electrode**  
120785ATTC 100A, O<sub>2</sub>  
120793ATTC 200A, O<sub>2</sub>  
120802ATTC 300A, O<sub>2</sub>  
120810ATTC 400A, O<sub>2</sub>  
120855ATTC 200/400A, N<sub>2</sub>  
220412ATTC (Silver) 300/400A

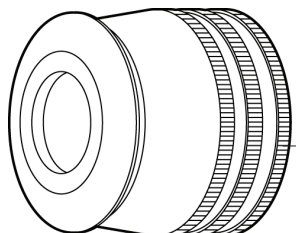
# **HYPERTHERM<sup>®</sup>**

## **HYPERTHERM<sup>®</sup> PAC 500**

**PLASMA**



**Retaining Cap - High Amp.**  
020043 Flared



**Retaining Cap - Low Current**  
020034 Tapered  
020610



**Water Tube**  
120035



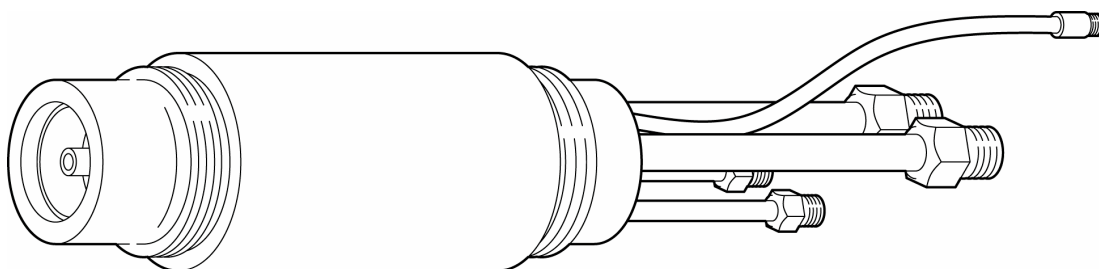
**Nozzle N<sub>2</sub>**  
020035 .166  
020036 .187  
020037 .220  
020047 .250, ArH  
020050 .120



**Swirl Ring N<sub>2</sub>**  
020039 .120-.187  
020040 .220  
020048 .250  
020042 .120-.187 (ccw)  
020079 .220 (ccw)



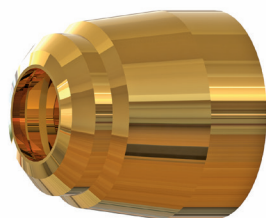
**Electrode N<sub>2</sub>**  
020038



**Torch Body**  
020030



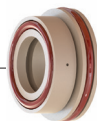
**Insulator Sleeve**  
020041

**HYPERTHERM<sup>®</sup>****HYPERTHERM<sup>®</sup> PAC 600**

**Retaining Cap**  
020286 Standard, Vespel  
020579 Tapered



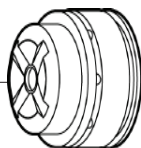
**Nozzle O<sub>2</sub>**  
020086 .099  
020392 .099 (ccw)



**Swirl Ring O<sub>2</sub>**  
020380 .099  
020391 .099 (ccw)



**Electrode O<sub>2</sub>**  
020081  
120090ATTC 340A  
220412ATTC (silver)



**Nozzle N<sub>2</sub>**  
020281 .120  
020282 .166  
020283 .187  
020284 .220  
\*020321 .250



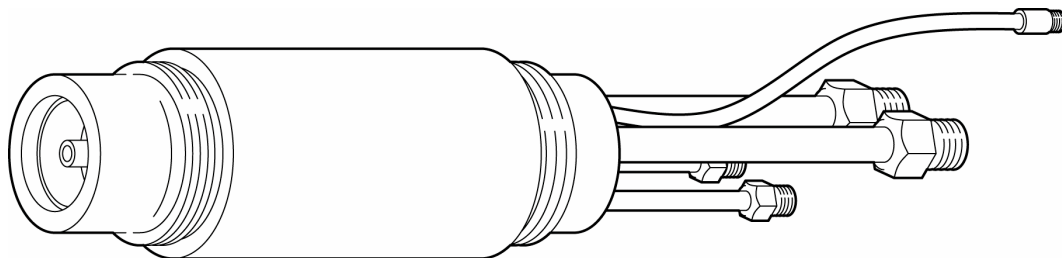
**Swirl Ring N<sub>2</sub>**  
020039 .120-.187  
020042 .120-.187 (ccw)  
020040 .220  
020079 .220 (ccw)



**Electrode N<sub>2</sub>**  
020285



**Water Tube**  
020990



**Torch Body**  
020328

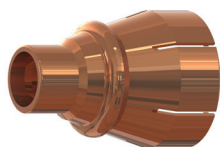


**Insulator Sleeve**  
020041

**HYPERTHERM<sup>®</sup>**

**HYPERTHERM<sup>®</sup> POWERMAX-30**

**PLASMA**



**Deflector**  
\*220569



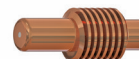
**Retaining Cap**  
\*220483



**Nozzle**  
220480

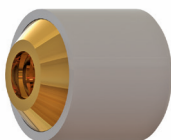


**Swirl Ring**  
\*220479



**Electrode**  
\*220478

**HYPERTHERM<sup>®</sup> POWERMAX-190C (PAC105)**



**Retaining Cap**  
120883



**Nozzle**  
\*120882



**Swirl Ring**  
\*120880

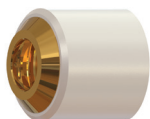


**Electrode**  
\*120881

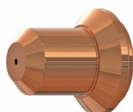
**Not Shown**

120898 Retai ning Cap  
120884 Shield

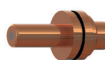
**HYPERTHERM<sup>®</sup> POWERMAX-380 (PAC110T)**



**Retaining Cap**  
220016



**Nozzle**  
120504

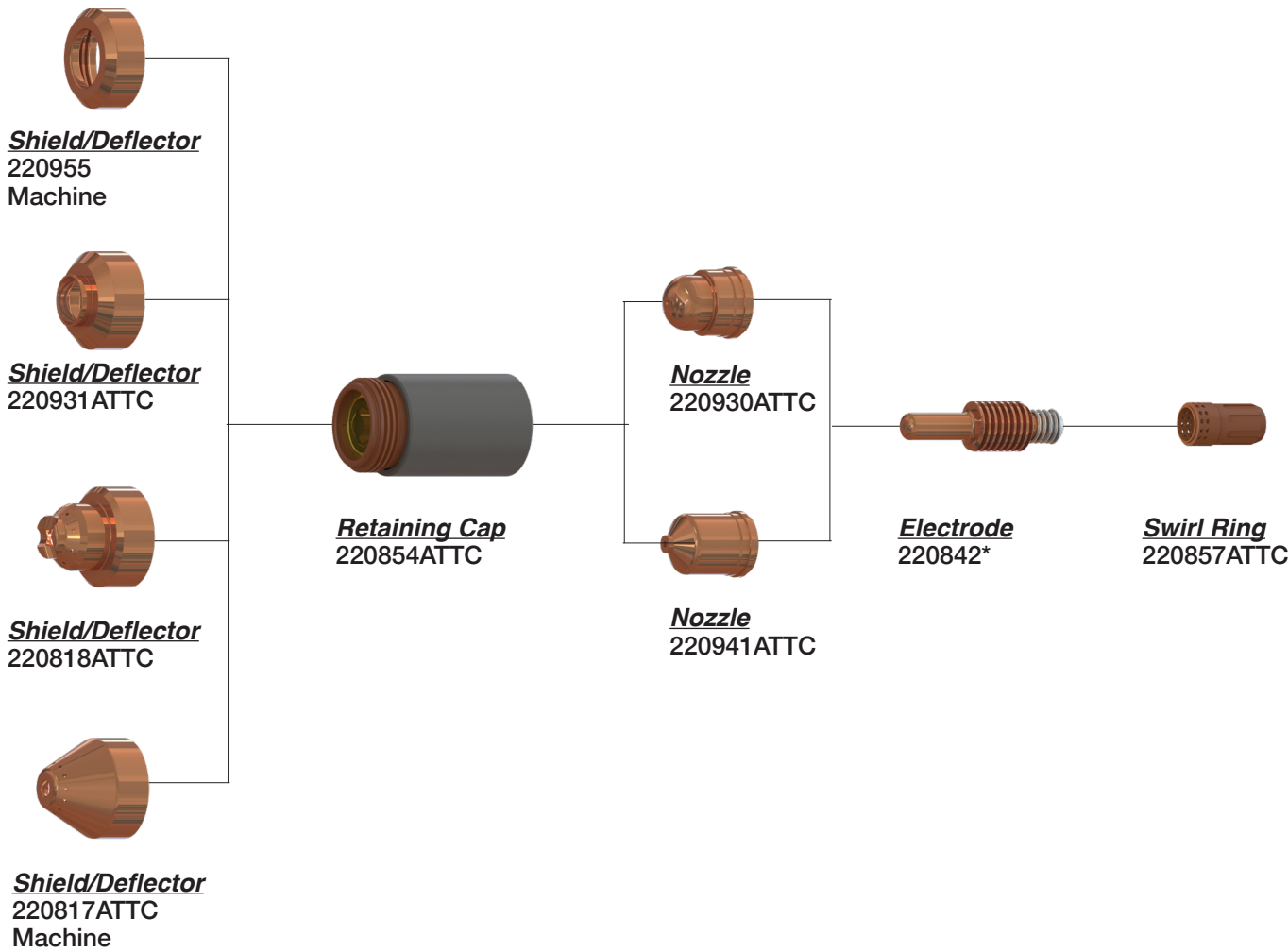


**Electrode**  
020382



**Swirl Ring**  
220013

**HYPERTHERM®**  
**HYPERTHERM® POWERMAX45® XP**



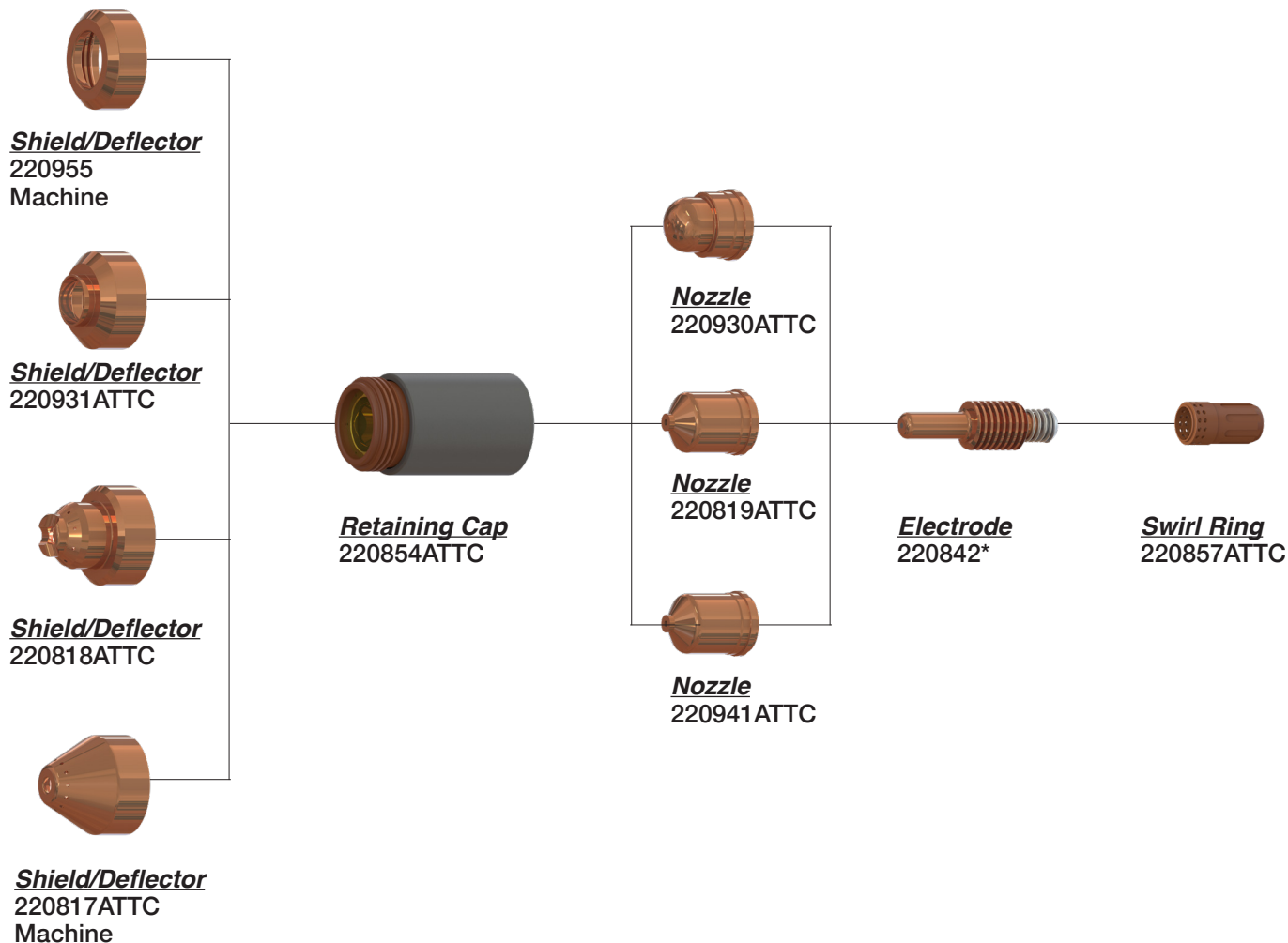
**Not Shown**  
\*220953 Retaining Cap  
\*220777 Electrode

American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

**HYPERTHERM<sup>®</sup>**

**HYPERTHERM<sup>®</sup> POWERMAX65<sup>®</sup> XP**

**PLASMA**

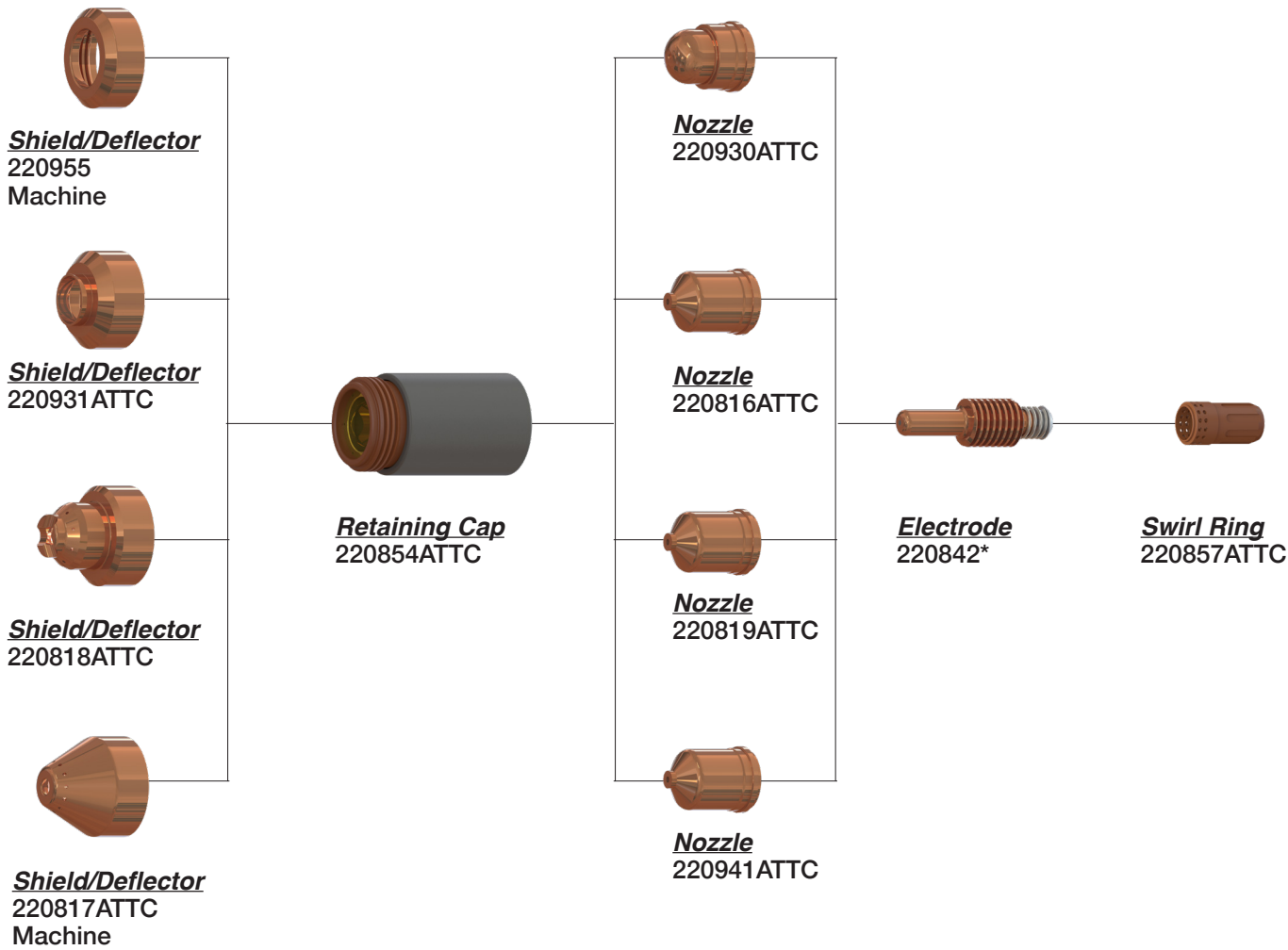


**Not Shown**

\*220953 Retaining Cap

\*220777 Electrode

**HYPERTHERM®**  
**HYPERTHERM® POWERMAX85® XP**

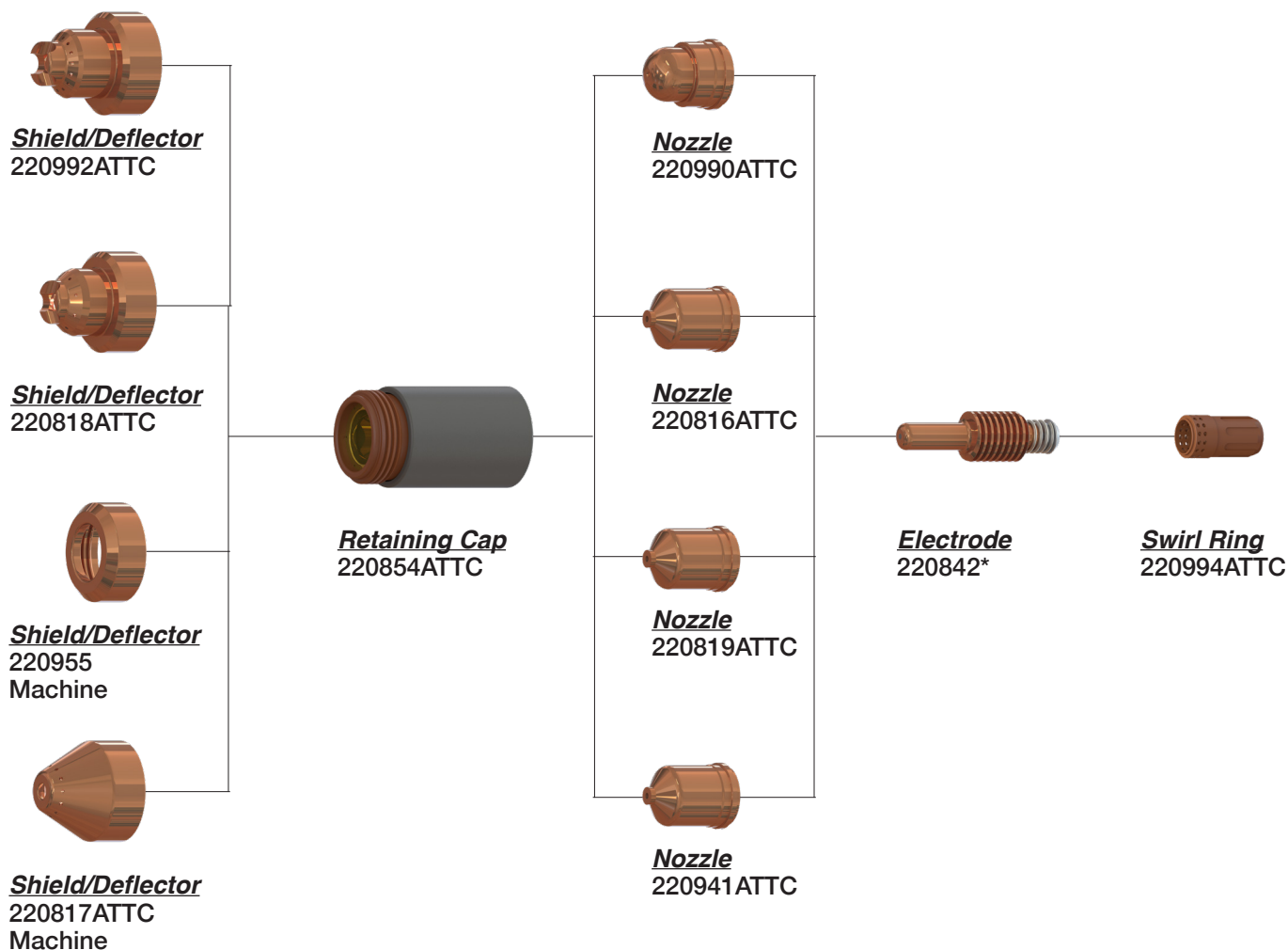


**Not Shown**  
\*220953 Retaining Cap  
\*220777 Electrode  
\*220948 Shield/Deflector Fine Cut

American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

**HYPERTHERM<sup>®</sup> POWERMAX105<sup>®</sup> XP  
HANDHELD**

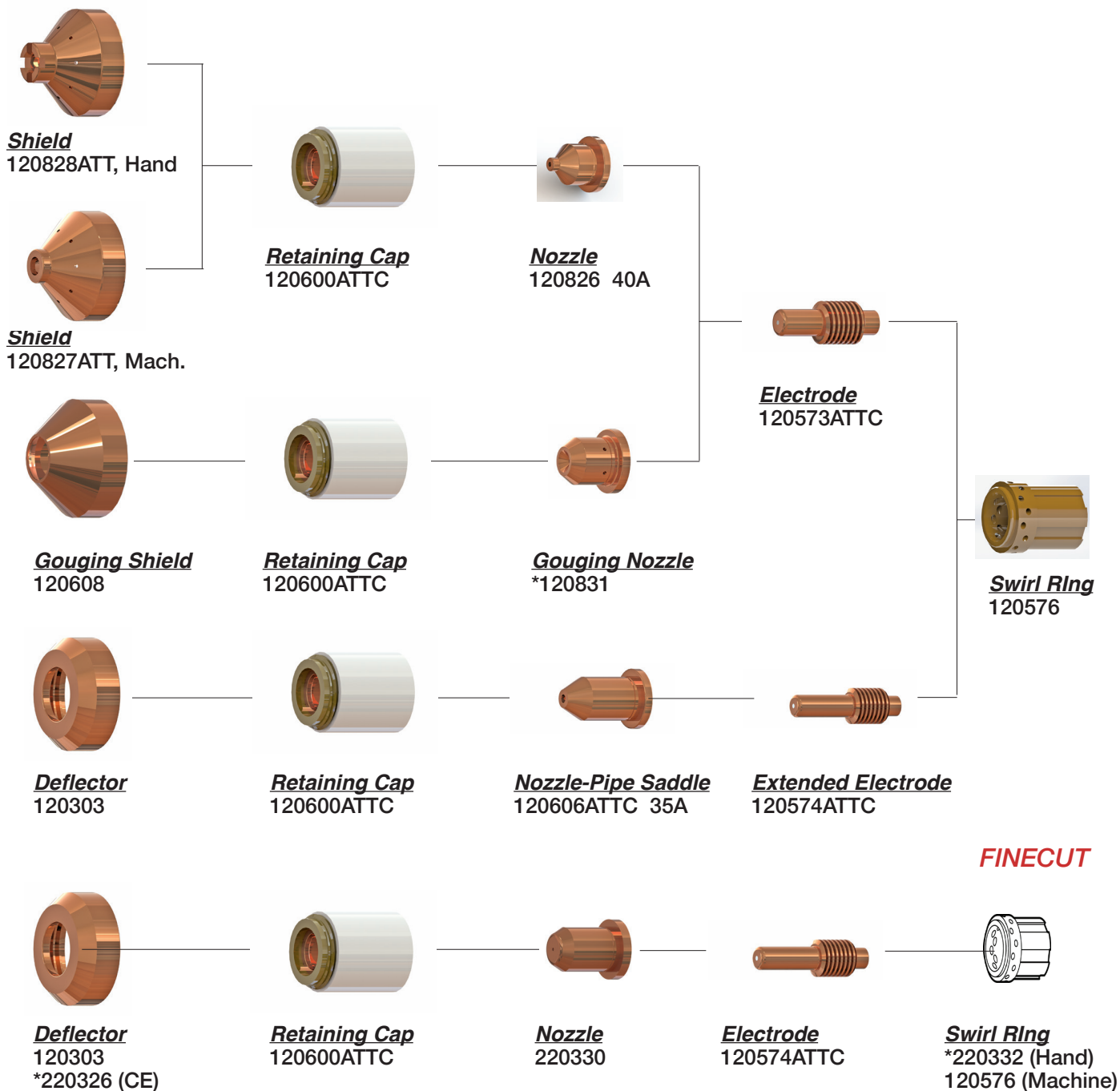
**PLASMA**



**Not Shown**

\*220953 Retaining Cap

\*220777 Electrode

**HYPERTHERM®**
**HYPERTHERM® POWERMAX-600® (PAC123T/M)**
**PLASMA**

**FINECUT**
**Not Shown**

\*001288 Torch Handle  
120570 Hand Torch 123T  
120583 Machine Torch 180°

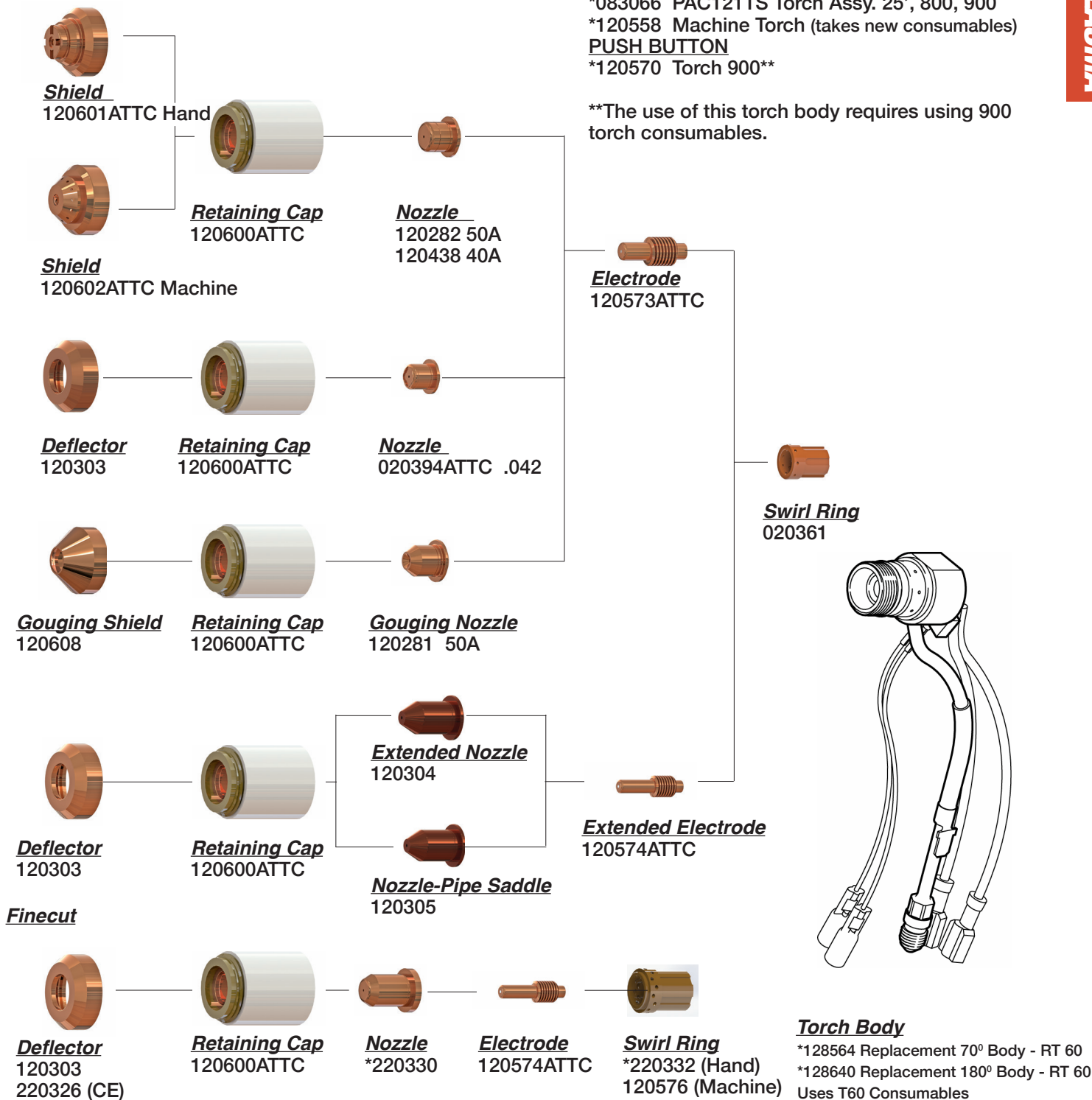
## HYPERTHERM<sup>®</sup>

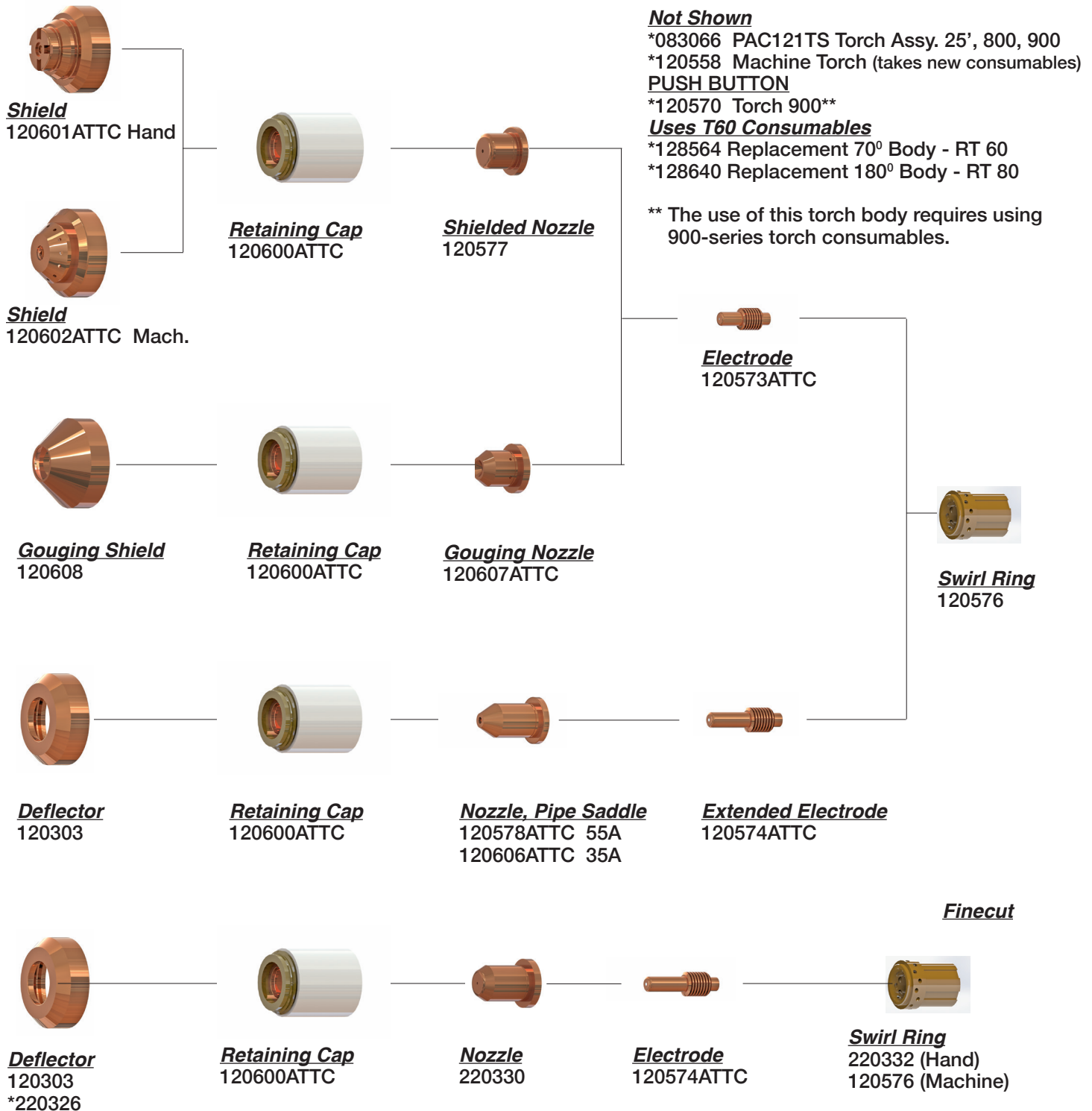
### HYPERTHERM<sup>®</sup> POWERMAX-800<sup>®</sup> (PAC121)

#### Not Shown

\*083066 PAC121TS Torch Assy. 25', 800, 900  
\*120558 Machine Torch (takes new consumables)  
**PUSH BUTTON**  
\*120570 Torch 900\*\*

\*\*The use of this torch body requires using 900 torch consumables.

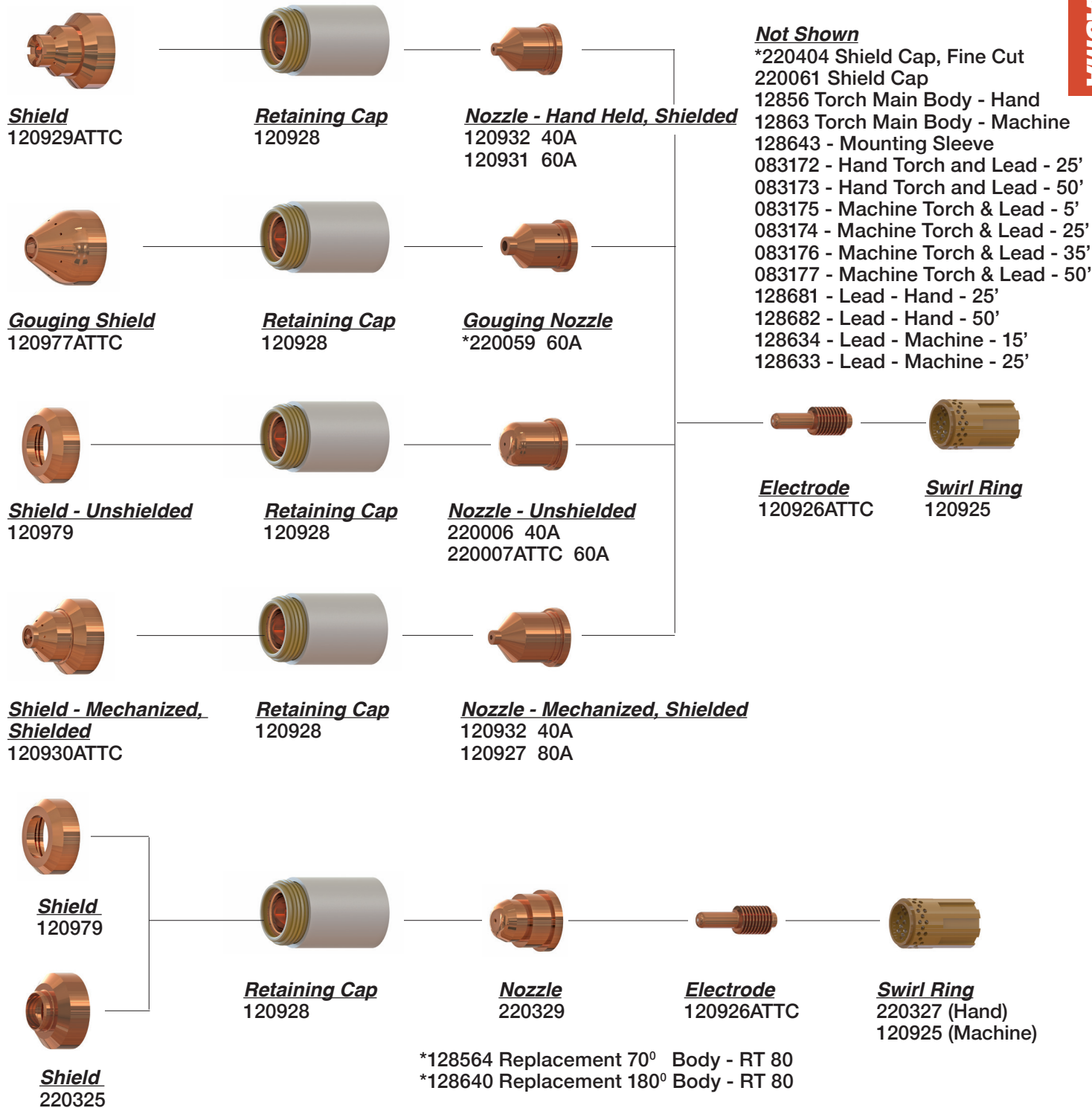


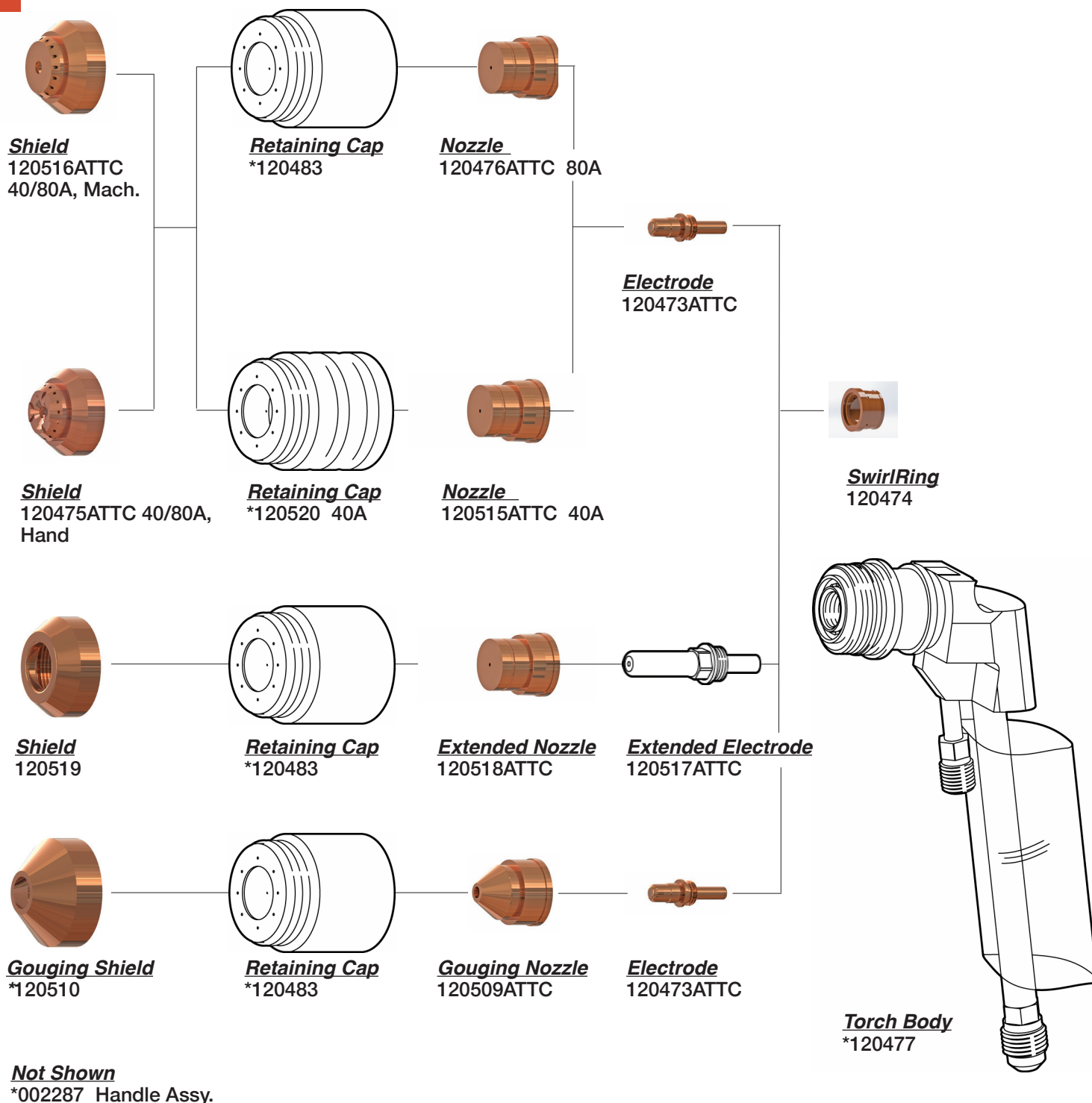
**HYPERTHERM®**
**HYPERTHERM® POWERMAX-900® (PAC125T/M)**
**PLASMA**


# **HYPERTHERM<sup>®</sup>**

## **HYPERTHERM<sup>®</sup> POWERMAX-1000<sup>®</sup> T60/T60M**

**PLASMA**

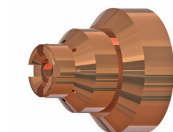


**HYPERTHERM®****HYPERTHERM® POWERMAX-1100® (PAC135T)**

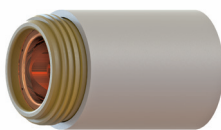
**HYPERTHERM<sup>®</sup>**

**HYPERTHERM<sup>®</sup> POWERMAX-1250<sup>®</sup> T80/T80M**

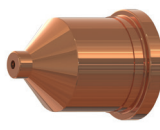
**PLASMA**



**Shield**  
120929ATTC



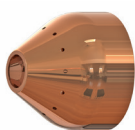
**Retaining Cap**  
120928ATTC



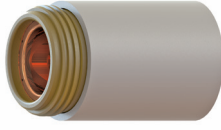
**Nozzle - Hand Held, Shielded**  
120932 40A  
120931 60A  
120927 80A

**Not Shown**

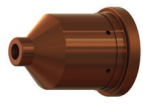
087001 - Hand Torch & Lead - 25'  
087002 - Hand Torch & Lead - 50'  
128637 - Lead, Hand - 25'  
128636 - Lead, Hand - 50'  
087003 - Lead, Machine - 15'  
087004 - Lead, Machine - 25'  
087005 - Lead, Machine - 35'  
128634 - Lead, Machine - 15'  
128633 - Lead, Machine - 25'  
128564 - Torch Body, Hand  
128640 - Torch Body, Machine



**GougingShield**  
120977ATTC



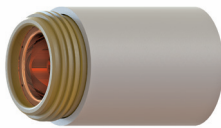
**Retaining Cap**  
120928ATTC



**Gouging Nozzle**  
\*120978 80A



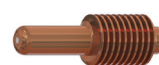
**Deflector**  
120979



**Retaining Cap**  
120928ATTC



**Nozzle - Unshielded**  
220006 40A  
220007ATTC 60A



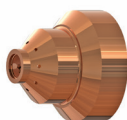
**Electrode**  
120926ATTC



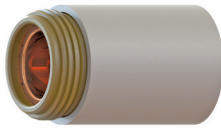
**Swirl Ring**  
120925



**Nozzle - Unshielded**  
120980 80A



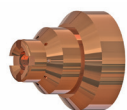
**Shield - Mechanized, Shielded**  
120930ATTC



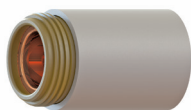
**Retaining Cap**  
120928ATTC



**Nozzle - Mechanized, Shielded**  
120932 40A  
120927 80A

**HYPERTHERM®****HYPERTHERM® POWERMAX-1650****HAND TORCH****Shield**

120929ATTC

**Retaining Cap**

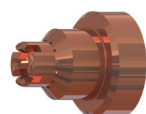
120928

**Nozzle**120932 (40A)  
120931 (60A)  
120927 (80A)**Electrode**

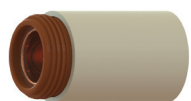
120926ATTC

**Swirl Ring**

120925

**Shield**

220065ATTC

**Retaining Cap**

220048

**Nozzle**

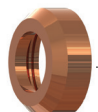
220011ATTC (100A)

**Electrode**

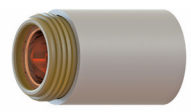
220037ATTC

**Swirl Ring**

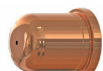
220051

**Deflector**

120979

**Retaining Cap**

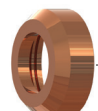
120928

**Nozzle**220006 (40A)  
220007ATTC (60A)  
120980 (100A)**Electrode**

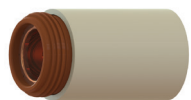
120926ATTC

**Swirl Ring**

120925

**Deflector**

120979

**Retaining Cap**

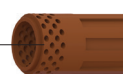
220048

**Nozzle**

220064 (100A)

**Electrode**

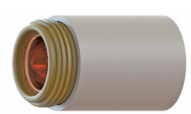
220037ATTC

**Swirl Ring**

220051

**(FINECUT)****Shield**

120979

**Retaining Cap**

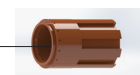
120928

**Nozzle**

220329

**Electrode**

120926ATTC

**Swirl Ring**

220327

**Not Shown**

\*220325 Deflector  
12867 Hand Torch  
\*128754 Machine Torch Body  
120977 Gouging Nozzle  
120978 Gouging Nozzle

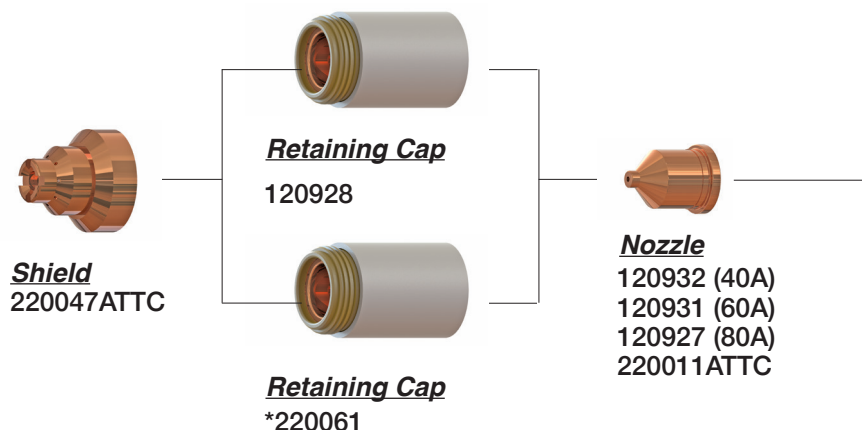
**Not Shown**

220063 Gouging Nozzle  
128767 - Torch Body, Hand  
059264 - Hand Torch & Lead 25'  
059270 - Hand Torch & Lead 50'  
128755 - Lead, Hand 25'

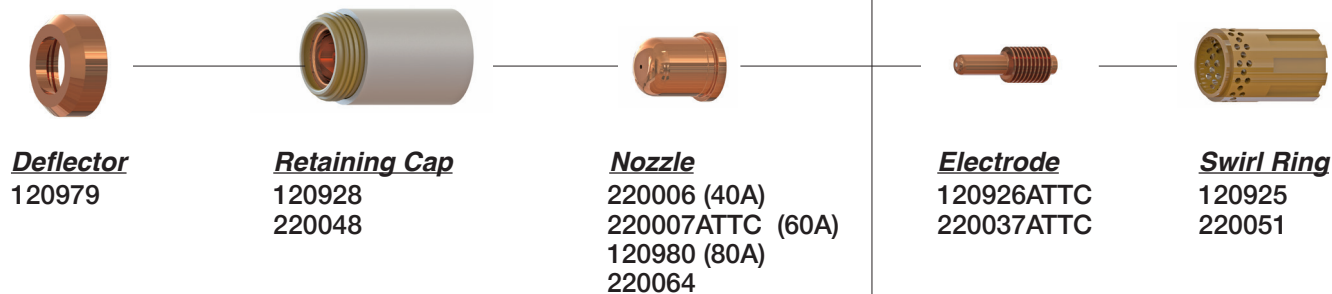
## **HYPERTHERM<sup>®</sup>**

### **HYPERTHERM<sup>®</sup> POWERMAX-1650**

#### **MACHINE TORCH (Shielded Parts)**



#### **(Non-Shielded Parts)**



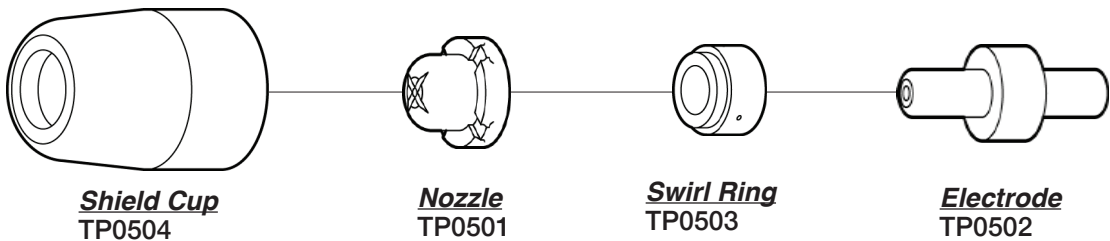
#### **(FINECUT)**



#### **Not Shown**

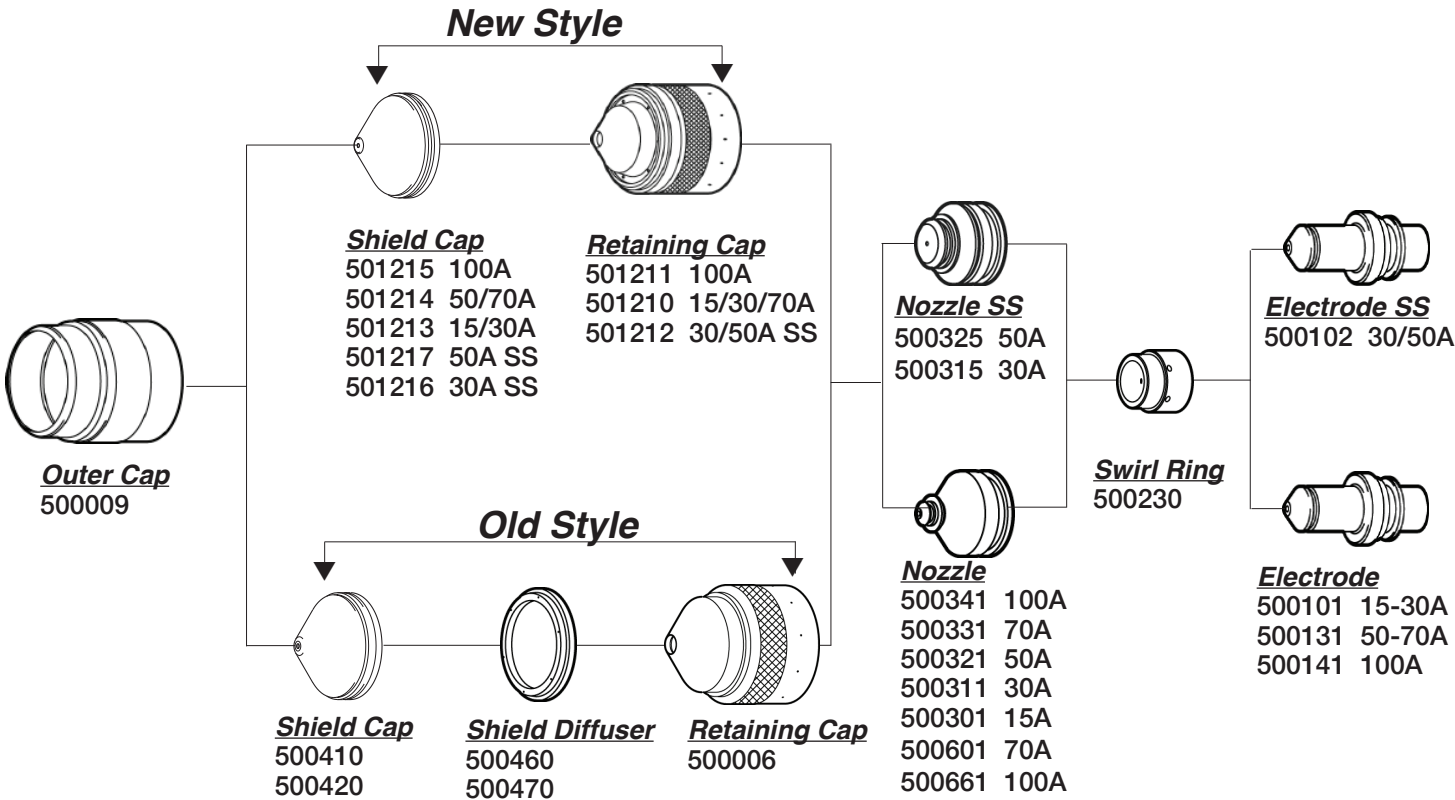
128754 - Torch Body, Machine  
059265 - Machine Torch & Lead 25'  
059268 - Machine Torch & Lead 35'  
059272 - Machine Torch & Lead 50'  
128643 - Mounting Sleeve

JIANGNAN<sup>®</sup> TECH APC-50



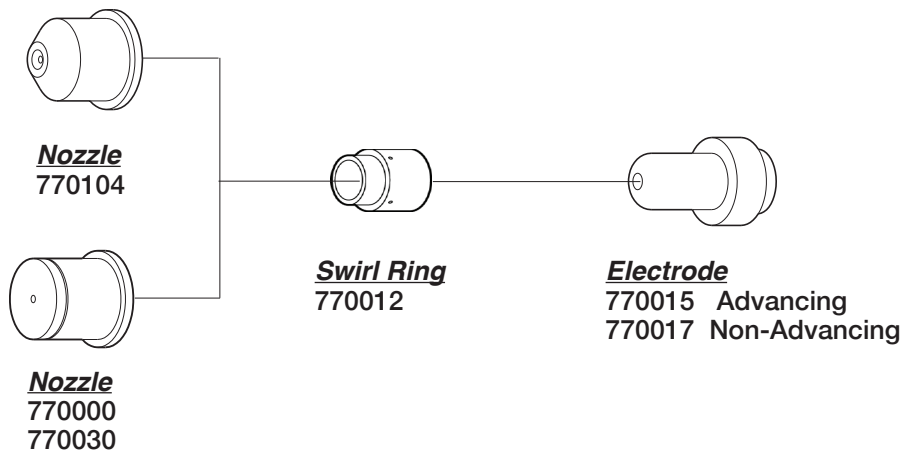
KALIBURN<sup>®</sup> (INNER LOGIC<sup>®</sup>)

FL-100 PC



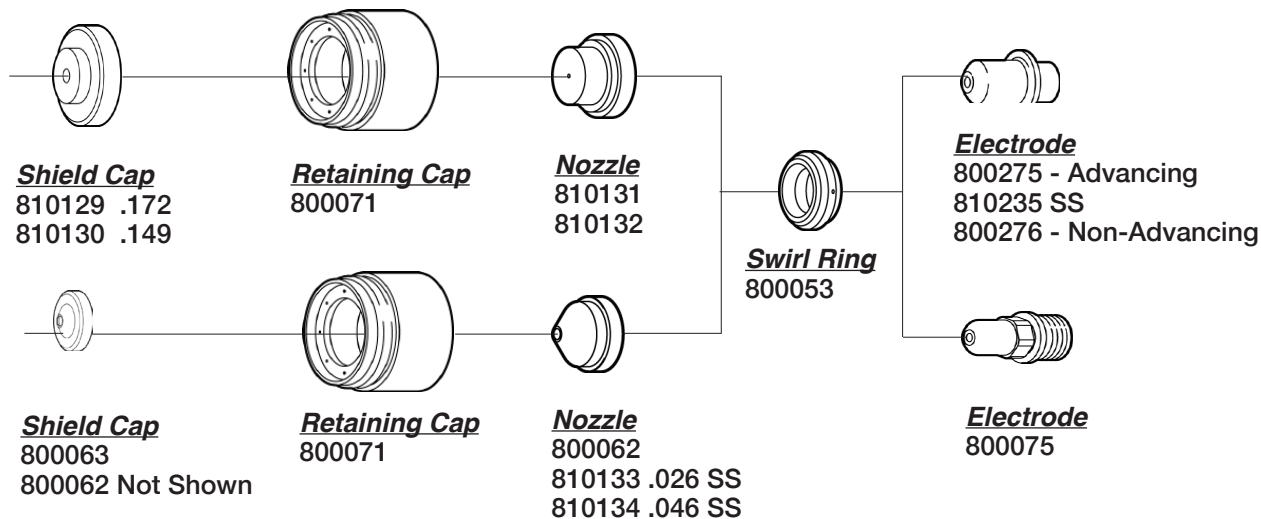
## KALIBURN<sup>®</sup> (INNER LOGIC<sup>®</sup>)

**SR-45i**



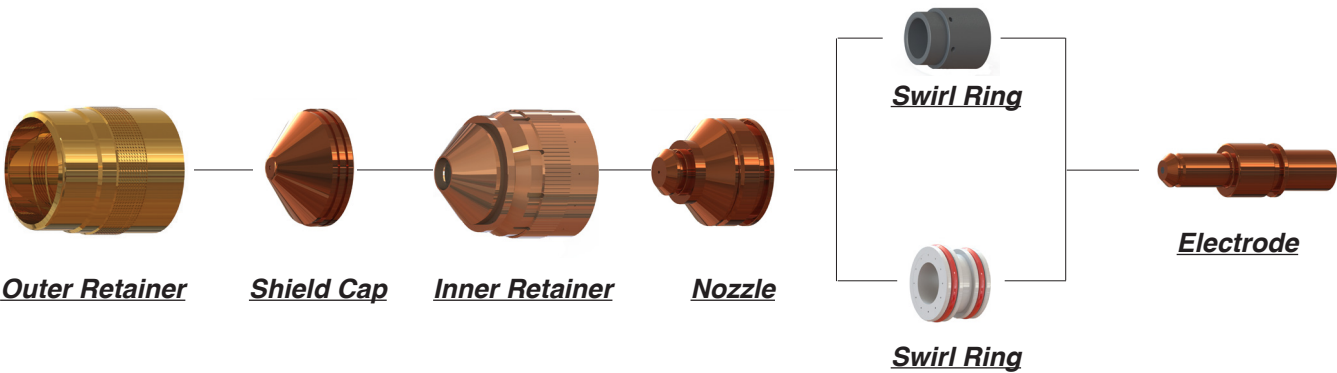
**Not Shown**  
770072 O-Ring

**SR-100i**



KALIBURN® (INNER LOGIC®)

FL-200  
Mild Steel



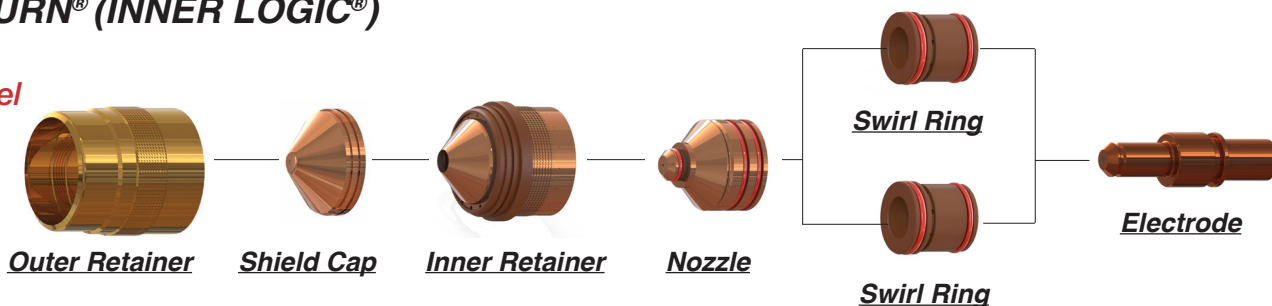
Fineline® (FL 200)							
Mild Steel							
Amperage	Outer Cap	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	
30 amps	200210	200230	200217	200222	200277	200213	
50 amps C		200230 / 200231	200217	200223	200277	200214	use 200231 for hot rolled
70 amps		200231	200217	200224	200277	200214	
100 amps		200232	200218	200225	200277	200215	
200 amps		200234	200218 / 200219	200227	200221	202115	use 200219 for 3/4” & greater
Stainless Steel							
Amperage	Outer Cap	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	
30 amps	200210	200233	200220	200228	200279	200238	
50 amps		200237	200220	200229	200277	200238	
70 amps		200231	200218	200240	200277	200214	
100 amps		200232	200218	200239	200277	200215	
200 amps		200234	200219	200227	200221	202115	
Marking		200230	200219	200222	200277	200290	

American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; © indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

**KALIBURN® (INNER LOGIC®)**

**PL2200**

**Mild Steel**



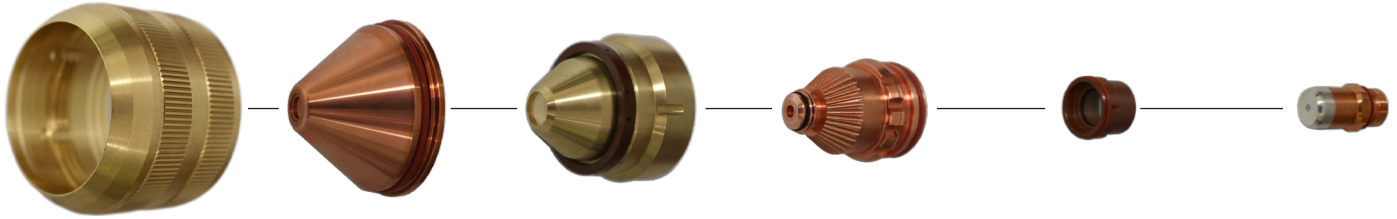
**PLASMA**

**Proline / Fineline to Spirit**

Amperage	Outer Cap	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	
		<b>O2 Plasma / Air Shield</b>			<b>Mild Steel</b>		
10 amps	277154	277145	277152	277120	277140	277190ATTC	(marking N2/N2)
30 amps		277145	277153	277120	277140	277130ATTC	(O2 / O2)
50 amps C		277115	277153	277122	277140	277131ATTC	(O2 / O2 cold rood steel)
50 amps H		277115	277153	277122	277142	277131ATTC	(O2 / Air hot rolled steel)
70 amps		277150	277153	277125ATTC	277142	277131ATTC	
100 amps		277286	277151	277284ATTC	277283	277282ATTC	New recommended
150 amps		277117	277152	277293ATTC	277139	277292ATTC	New recommended
200 amps		277274	277266	277289ATTC	277143	277291ATTC	New recommended
275 amps		277263	277266	277269ATTC	277258	277270ATTC	"PL2260 only"
		<b>Air Plasma /N2 Shield</b>			<b>Stainless Steel</b>		
8 amps	277154	277145	277152	277120	277140	277190ATTC	(marking N2 Shield)
30 amps		277144	277110	277121	277138	277137ATTC	(air shield)
50 amps		277149	277110	277123	277142	277137ATTC	
70 amps		277150	277153	277125ATTC	277142	277131ATTC	
100 amps		277286	277151	277284ATTC	277283	277282ATTC	New recommended
200 amps		277274	277266	277289ATTC	277143	277291ATTC	New recommended
		<b>H17 Plasma / N2 Shield</b>			<b>Stainless Steel</b>		
70 amps	277154	277116	277113	277124	277140	277132ATTC	
100 amps		277146	277113	277126	277141	277133ATTC	
200 amps		277274	277266	277287	277259	277135ATTC	
260 amps		277211	277280	277118	277139	277135ATTC	"PL2260 only"
275 amps		277263	277266	277276	277258	277270ATTC	"PL2260 only"
		<b>Air Plasma /N2 Shield</b>			<b>Aluminum</b>		
30 amps	277154	277145	277153	277120	277140	277130ATTC	
50 amps		277150	277153	277122	277142	277131ATTC	
70 amps		277150	277153	277125	277142	277131ATTC	
100 amps		277286	277151	277284	277283	277282ATTC	New recommended
200 amps		277274	277266	277289	277143	277291ATTC	New recommended

## KJELLBERG

### Kjellberg HiFocus 80i/161i/280i/360i/440i NEO SYSTEMS



Reference #	Article #	Description	ATTC Part #
G011Y	11.848.231.320	Electrode - Silver 20-60A	321.320ATTC
G015Y	11.848.231.350	Electrode - Silver 90 - 160A	231.350ATTC
G016Y	11.848.231.360	Electrode - Silver 200A	231.360ATTC
G092Y	11.848.401.310	Electrode - silver 280A	401.310ATTC
G034Y	11.848.421.330	Electrode - silver 360A	421.330ATTC
G121	11.848.421.145	Gas Guide - 280 - 400A	421.145ATTC
G101C	11.848.221.145C	Gas Guide - low amperage and contour cut	221.145CATTC
G101	11.848.221.145C	Gas Guide - 20 - 200A	221.145CATTC
G102	11.848.221.146	Gas Guide - 60 - 200A	221.146ATTC
G121	11.848.421.145	Gas Guide - 280A - 400A	421.145ATTC
G2006Y	11.848.221.406	Nozzle - 25A	221.406ATTC*
G2007Y	11.848.221.407	Nozzle - 35A	221.407ATTC*
G2008Y	11.848.221.408	Nozzle - 60A	221.408ATTC*
G2010Y	11.848.221.410	Nozzle - 90A	221.410ATTC*
G2012Y	11.848.221.412	Nozzle - 130A	221.412ATTC*
G2014Y	11.848.221.414	Nozzle - 160A	221.414ATTC*
G2017Y	11.848.221.417	Nozzle - 200A	221.417ATTC*
G2326Y	11.848.421.426	Nozzle - 280A	421.426ATTC*
G2330Y	11.848.421.430	Nozzle - 360A	421.430ATTC*
G2331Y	11.848.421.431	Nozzle - 400A	421.431ATTC*
G3004	11.848.201.1604	Nozzle Cap - 20 - 35A	201.1604ATTC
G3028	11.848.201.1628	Nozzle Cap - 60 - 200A	201.1628ATTC
G3249	11.848.401.1649	Nozzle Cap - 280A	401.1649ATTC
G3209	11.848.401.1619	Nozzle Cap - 360A	401.1619ATTC
G4015	11.848.201.1515	Swirl gas cap - 20A	201.1515ATTC
G4020	11.848.201.1520	Swirl gas cap - 60A	201.1520ATTC
G4025	11.848.201.1525	Swirl gas cap - 90 - 130A	201.1525ATTC
G4030	11.848.201.1530	Swirl gas cap - 90 - 200A	201.1530ATTC
G4035	11.848.201.1535	Swirl gas cap - 200A contour Cut	201.1535ATTC
G4040	11.848.201.1540	Swirl gas cap - 200A Contour Cut	201.1540ATTC
G4350	11.848.401.1550	Swirl gas cap - 280 - 360A	401.1550ATTC
G4355	11.848.401.1555	Swirl gas cap - 360A	401.1555ATTC
G502	11.852.201.081	Protection Cap 20 - 200A	201.081ATTC
G522	11.852.401.081	Protection Cap 280 -440A	401.081ATTC
G902Y	11.852.201.142	Cooling Tube 20 - 200A	201.142ATTC
G931Y	11.848.401.142	Cooling Tube 280 - 400A	401.142ATTC

\*ATTC part features a unique design that differs from the OEM design.

New for Hypertherm® HPR130®, HPR260®, HPR260XD® & HPR400XD®

# **CleanCut**

**Next-Generation Plasma Consumables**

*From American Torch Tip*

## **BURN LONGER. CUT CLEANER.**

# **CleanCut**

***Designed to Work Together***

### **CleanCut™ Electrode**

#### **Extend Electrode Life**

- More efficient cooling
- Extended hafnium electrode life
- 25% – 50% longer production time

#### **Prevent Nozzle Damage**

- Cooler silver electrodes diminish nozzle damage
- Nozzles paired with silver electrodes last longer

### **CleanCut™ Rocket Nozzle**

(patent pending)

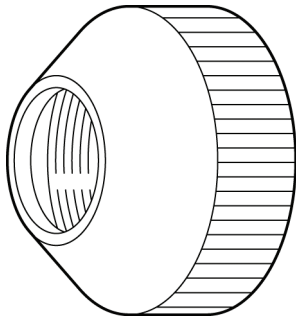
#### **Supercharge the Plasma Arc**

- Smooth-bore configuration reduces turbulence
- Stabilizes and accelerates the plasma arc column
- Produces ultra-smooth cuts

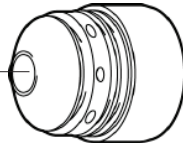
# **CleanCut**

Click here to sign up for a **FREE TRIAL!**

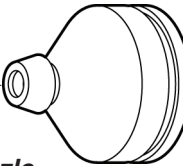
**AMERICAN  
TORCH TIP** **ATTC**

**KOIKE®**
**KOIKE® 254**


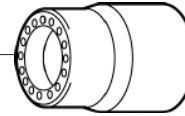
**Torch Nosepiece**  
254-40



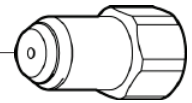
**Nozzle**  
AOK030057 3.0mm L  
AOK030057R 3.0mm R



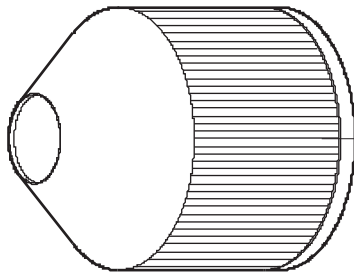
**Nozzle**  
ZP14003 2.3mm (50), Green Dot  
ZPAPK03002 2.0mm (150), White Dot  
ZPAPK03001 1.8mm (150), Yellow Dot



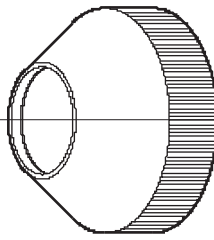
**Centering Stone**  
254-35 R  
254-36 L  
APK031024 L  
APK031024 R



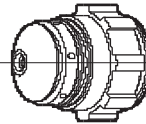
**Electrode**  
ZP14002LL  
ZP14002  
TP2001

**KOIKE® SUPER 400**


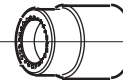
**Outer Retainer**  
40020503



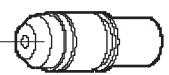
**Inner Retainer**  
40016366



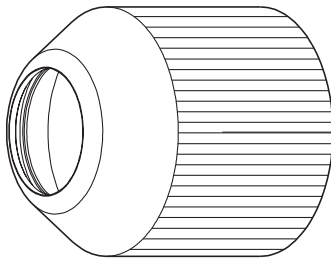
**Nozzle**  
40017233 (R)  
40017234 (L)  
AOK030056 4mm L  
AOK030056-2.1 2.1mm L  
AOK030056-2.1R 2.1mm R  
AOK030056-2.3R 2.3mm R  
AOK030056-2.5R 2.5mm R  
AOK030057 3.0mm L  
AOK030057R 3.0mm R  
AOK030060 2.5mm R



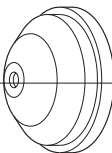
**Diffuser**  
40001899



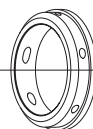
**Electrode**  
40016358

**KOIKE® SUPER 400 OPS - STAINLESS STEEL**


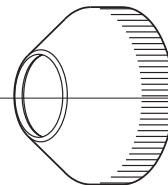
**Outer Nozzle**  
250.030.091 3.6mm  
250.030.092 4.8mm



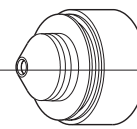
**Outer Nozzle**  
250.030.091 3.6mm  
250.030.092 4.8mm



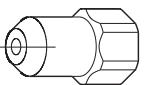
**Swirl Ring**  
250.031.228



**Inner Retainer**  
250.031.332



**Nozzle**  
250.030.093 2.5mm  
250.030.094 3.0mm

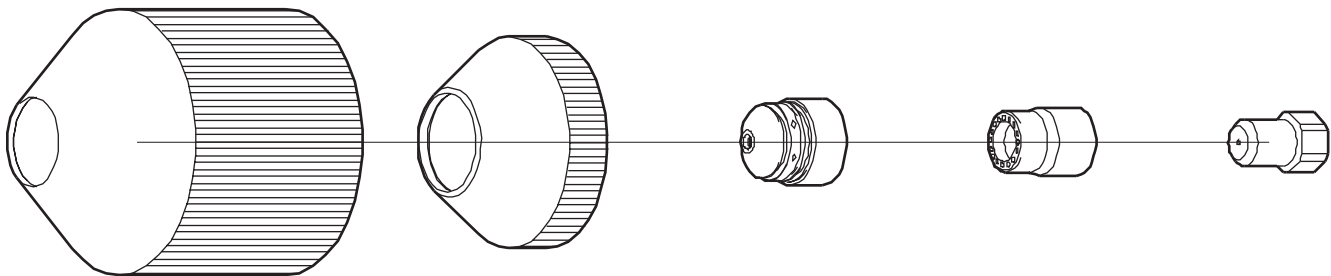


**Electrode**  
250.031.040

**KOIKE<sup>®</sup>**

**KOIKE<sup>®</sup> SUPER 400 OPS - MILD STEEL**

**PLASMA**



**Outer Retainer**

APK031360  
250.031.336

**Inner Retainer**

APK031323  
250.031.332

**Nozzle**

APK030061 (3.0) R  
APK030067 (2.3) R  
APK030067-L (2.3) L  
APK030068 (2.3)  
APK030062 (2.5) L  
APK030063 (3.0)  
APK030063-L (3.0) L  
APK030078 (2.3) R  
250.030.061 (3.0) 360 Amp  
250.030.068 (2.3)  
250.030.062 (2.5)

**Swirl Ring**

APK031204  
APK031205

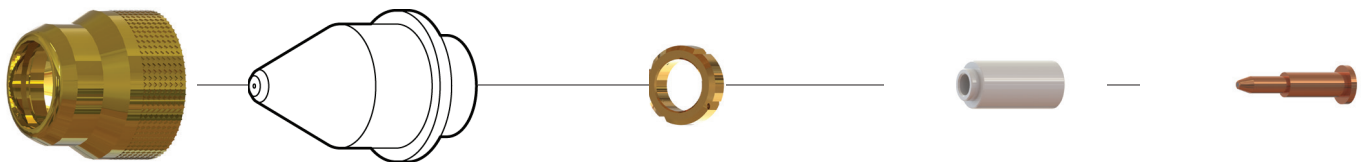
**Electrode**

APK031027  
40008459 (P Type)

**KOMATSU<sup>®</sup>**

**40A HIGH DEFINITION**

**ROBOTIC TORCH**



**Cap**

7848-605850

**Nozzle**

7848-605830ATTC .6mm

**Swirler**

65-0432-006ATTC  
65-0432-066ATTC (rev)

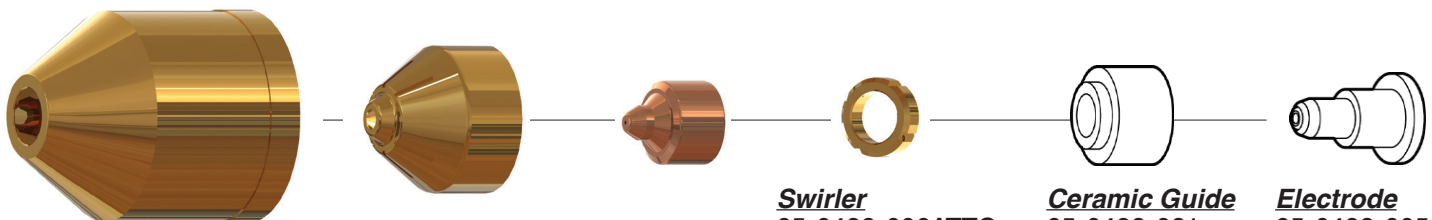
**Ceramic Guide**

7848-605811

**Electrode**

7848-605420

**REGULAR TORCH**



**Cap**

65-0432-004 #2

**Cap**

65-0432-001 #1

**Nozzle**

65-0432-002 0.6mm  
65-0432-003 0.4mm  
65-0432-008 0.8mm  
65-0432-013 0.7mm  
65-0432-555 0.5mm

**Swirler**

65-0432-006ATTC  
65-0432-066ATTC (rev)

**Ceramic Guide**

65-0432-021

**Electrode**

65-0432-005

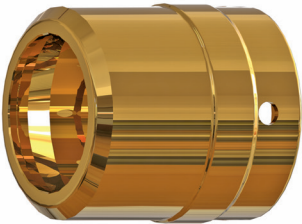
**Not Shown**

65-0432-007 O-Ring  
65-0430-022 Torch Body

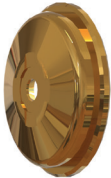
KOMATSU®

KOMATSU® 40 QUICKSILVER

PLASMA



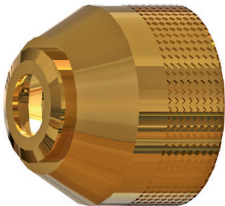
Cap  
65-0436-008 #2



Shield Cap  
65-0436-007



Spacer  
65-0436-006



Cap  
65-0436-005 #1



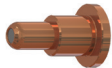
Nozzle  
65-0436-004



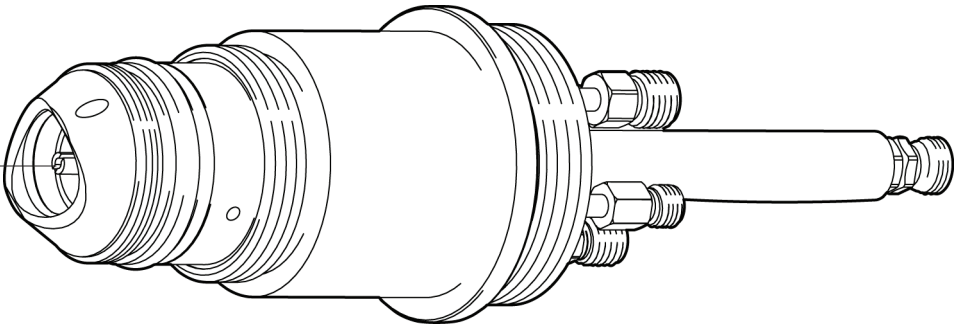
Swirler  
65-0436-003ATTC



Ceramic Guide  
65-0432-021



Electrode  
65-0436-002

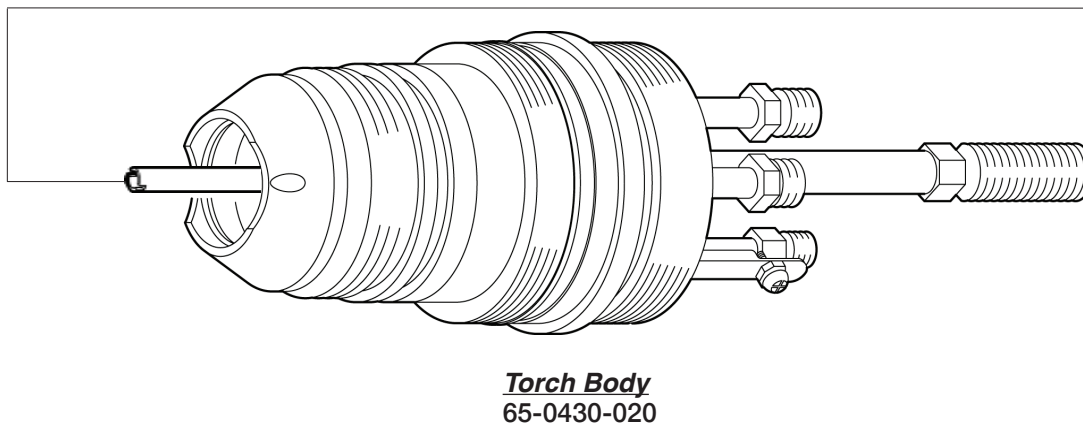
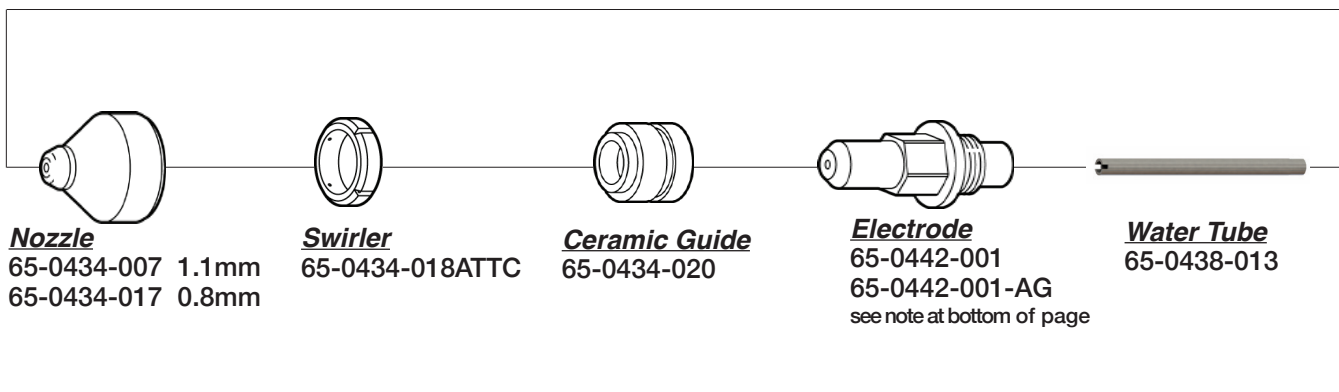


Torch Body  
65-0430-022

**KOMATSU<sup>®</sup>**

**KOMATSU<sup>®</sup> 90A HIGH DEFINITION**

**PLASMA**

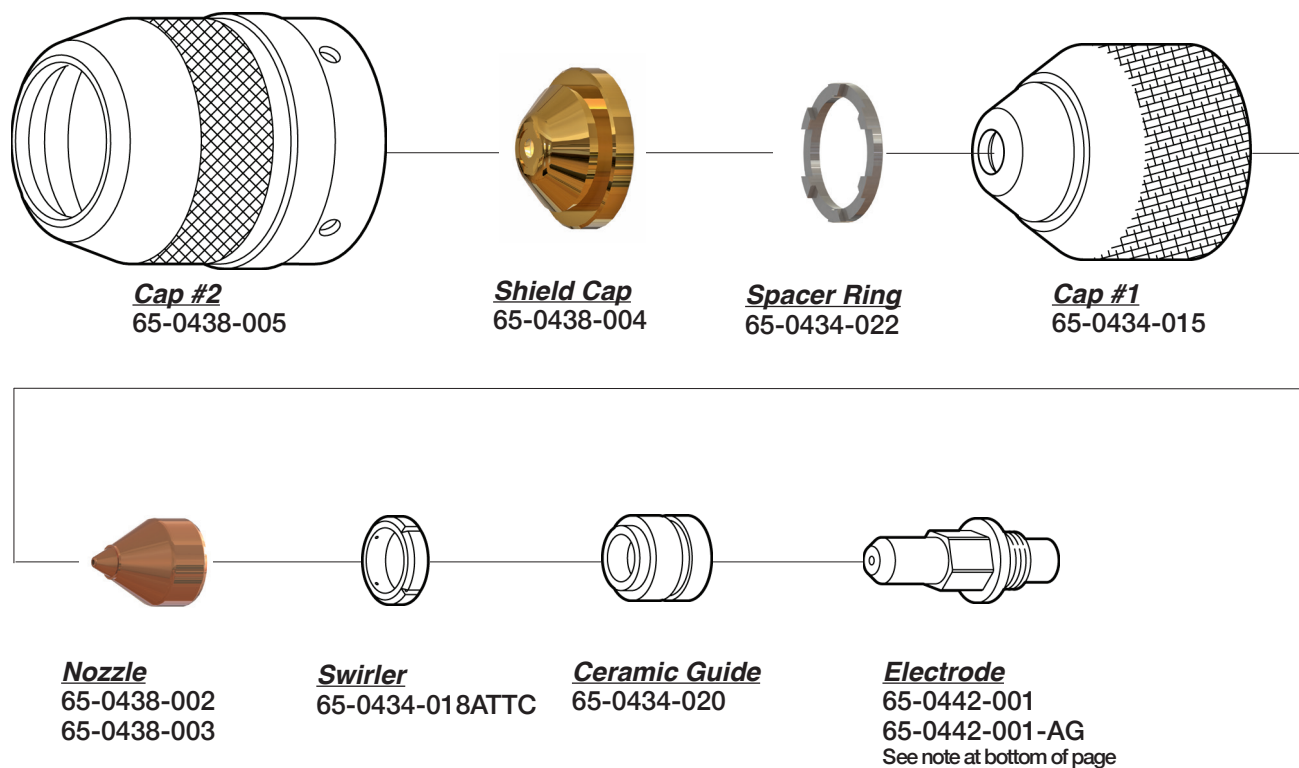


**Not Shown**

65-0434-021 90A O-Ring Kit, Retainer  
65-0434-023 90A O-Ring Kit, Nozzle  
65-0434-012 Torch Body w/6' Lead

**NOTE**

Electrode part 65-0434-008 is now obsolete. It is replaced with part 65-0442-001.

**KOMATSU®**
**KOMATSU® 90 QUICKSILVER**
**PLASMA**

**Not Shown**

65-0430-020 Torch Body 90A  
65-0442-006 Torch Body 120A

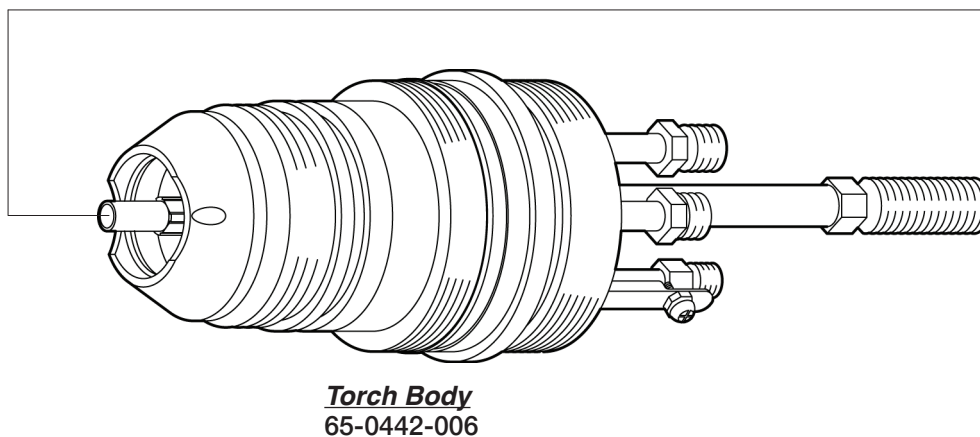
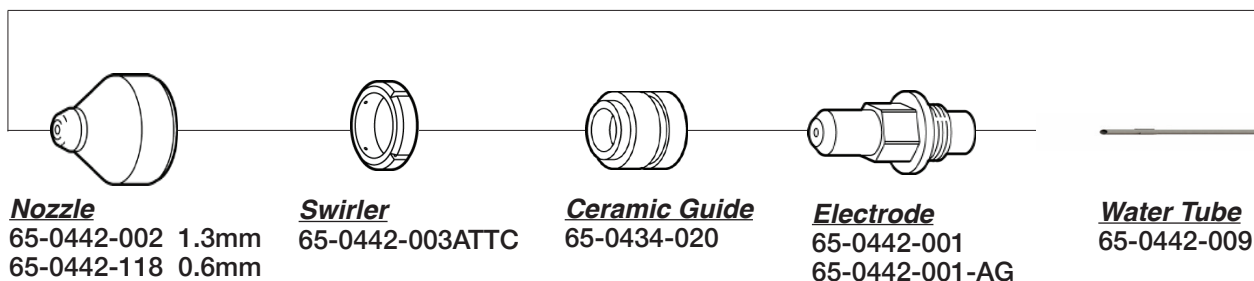
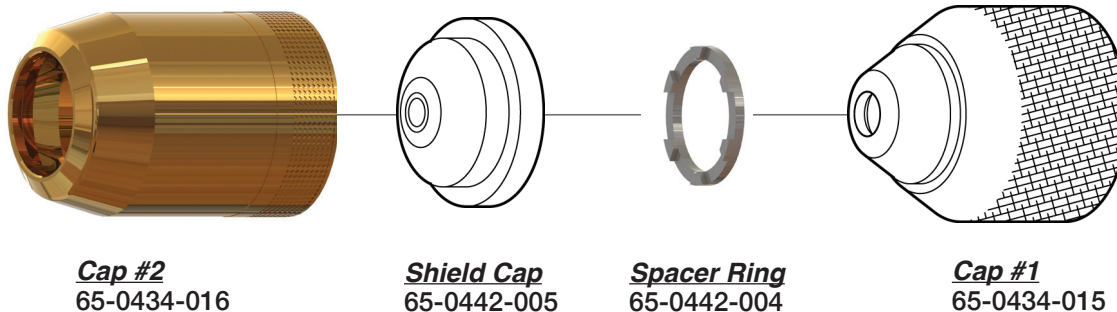
**NOTE**

Electrode part 65-0434-008 is now obsolete. It is replaced with part 65-0442-001.

**KOMATSU<sup>®</sup>**

**KOMATSU<sup>®</sup> 120A**

**PLASMA**



**Not Shown**

65-0434-021 O-Ring Kit(3 sizes, 5 pc per size)  
65-0442-006 Assy- Torch W/ 6' Lead

100

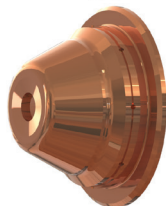
**KOMATSU<sup>®</sup>**

**KOMATSU<sup>®</sup> (TWISTER 30KW)**

**PLASMA**



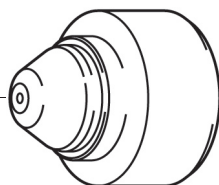
**Outer Cap**  
969-95-24470  
Or  
65-0444-019



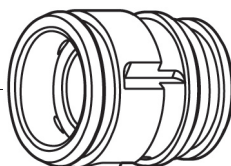
**Shield Cap**  
969-95-24750  
Or  
65-0444-020



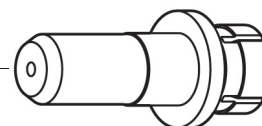
**Ring Spacer**  
969-95-24141  
Or  
65-0444-009



**Nozzle**  
969-95-24130 ATTC (1.3)  
969-95-24180 ATTC (1.1)  
969-95-24190 ATTC (0.8)  
Or  
65-0444-002 ATTC (1.3)  
65-0444-003 ATTC (1.1)  
65-0444-004 ATTC (0.8)



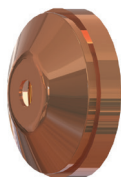
**Baffle Guide**  
969-95-24320  
Or  
65-0444-008



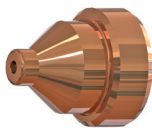
**Electrode**  
969-95-24310 ATTC  
Or  
65-0444-001 ATTC

**KOMATSU<sup>®</sup>**  
**KOMATSU<sup>®</sup> 300A**

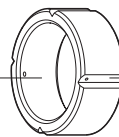
**PLASMA**



**Shield**  
969-95-30130  
Or  
65-0439-012



**Nozzle**  
969-95-30140 (2.8mm)  
969-95-30150 (1.2mm)  
969-95-30220 (2.2mm)  
Or  
65-0439-006 (2.8)  
65-0439-007 (2.2)  
65-0439-008 (1.2)



**Swirl Ring**  
65-0439-005



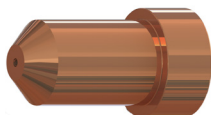
**Electrode**  
969-95-30160  
Or  
65-0439-003

**LINCOLN<sup>®</sup>**

**LINCOLN<sup>®</sup> TOMAHAWK LC 65**



**Retaining Cap**  
\*KP2844-9 (W03X0893-41A)  
\*KP2844-10 (W03X0893-43A)



**Nozzle**  
KP2844-2 (W03X0893-27A)  
KP2844-3 (W03X0893-28A)  
KP2844-4 (W03X0893-29A)



**Swirl Ring**  
KP2844-14 ((W03X0893-50R)



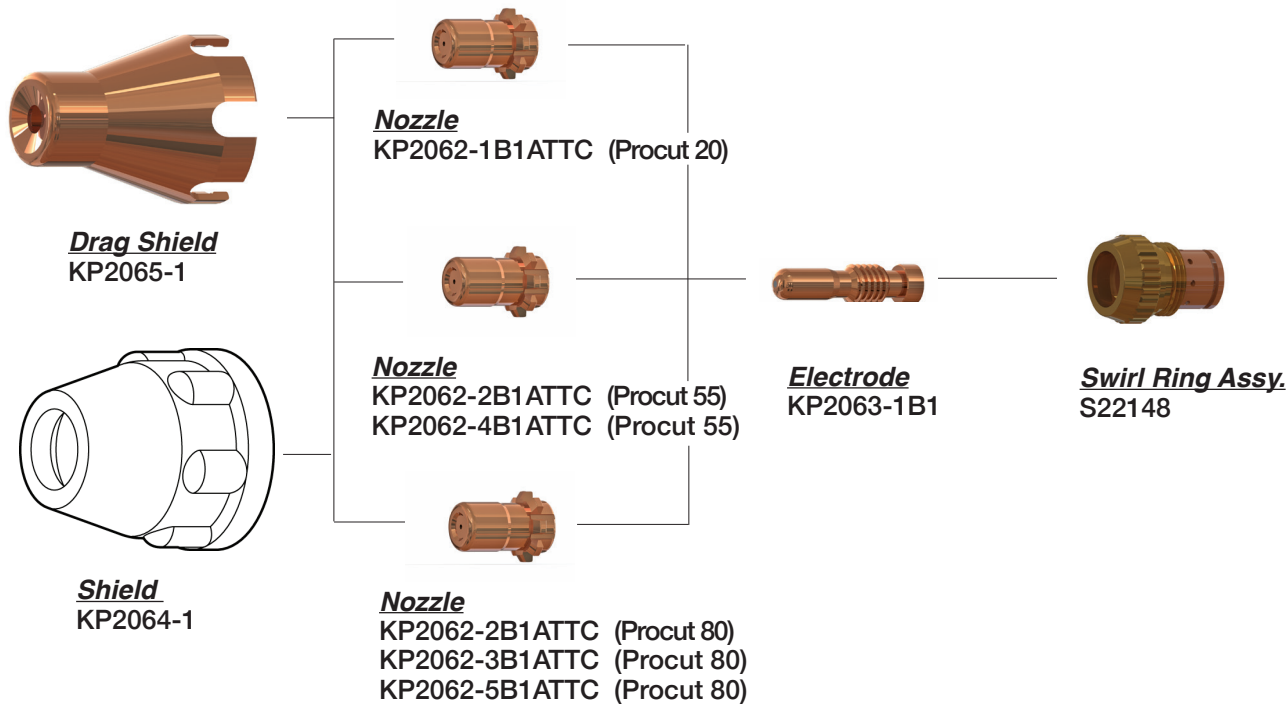
**Electrode**  
KP2844-1 ((W03X0893-25A)

Not shown:  
\*KP2843-10 (W03X0893-14R) Drag Spacer

LINCOLN®

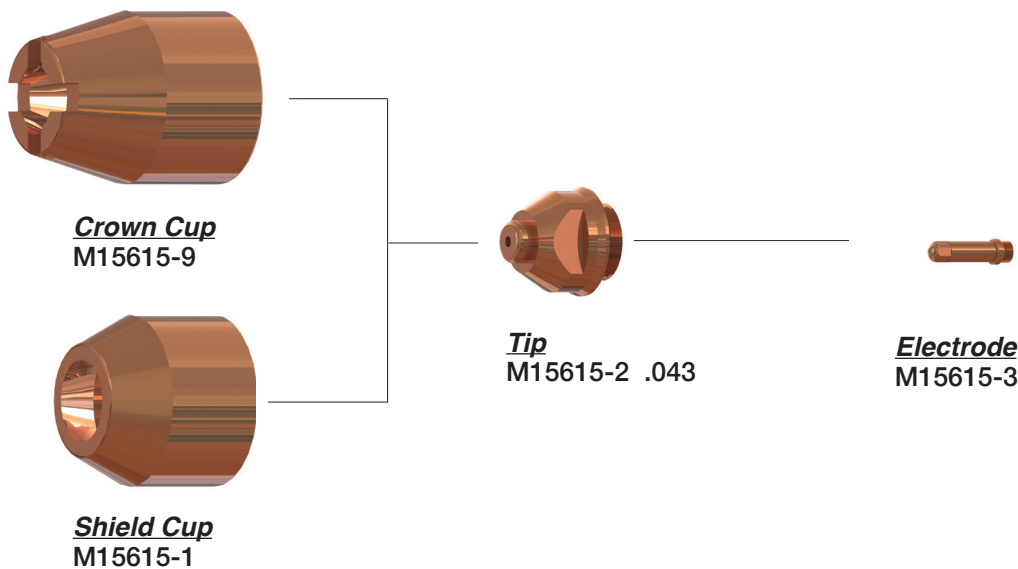
LINCOLN® PROCUT 20, 55, 80

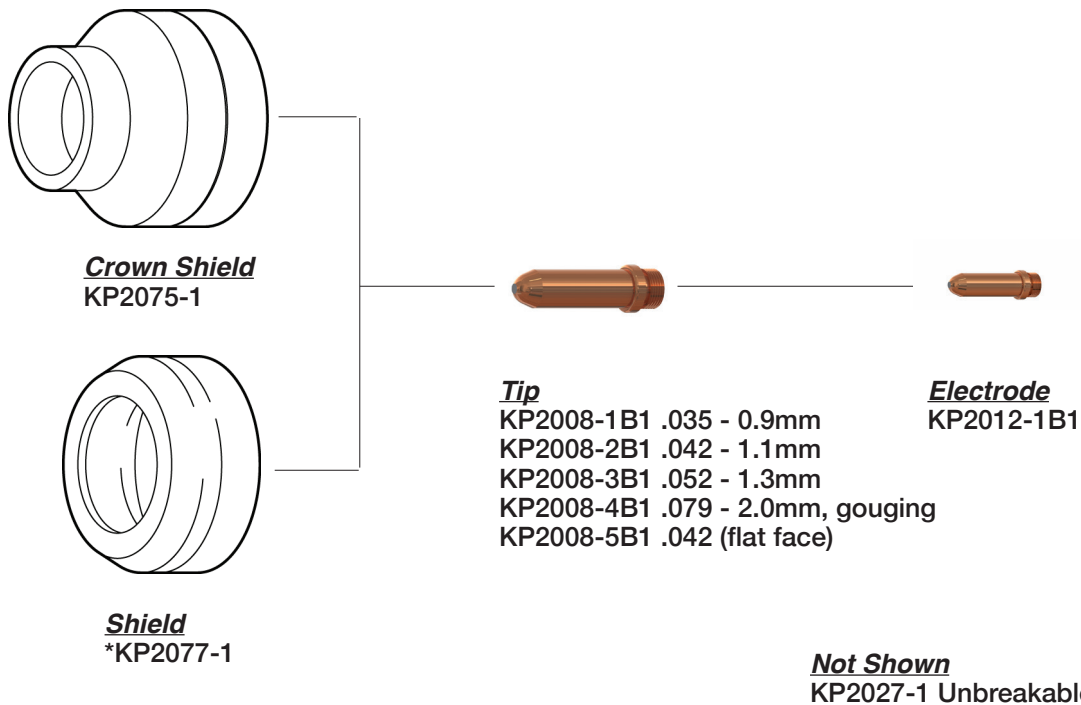
PLASMA



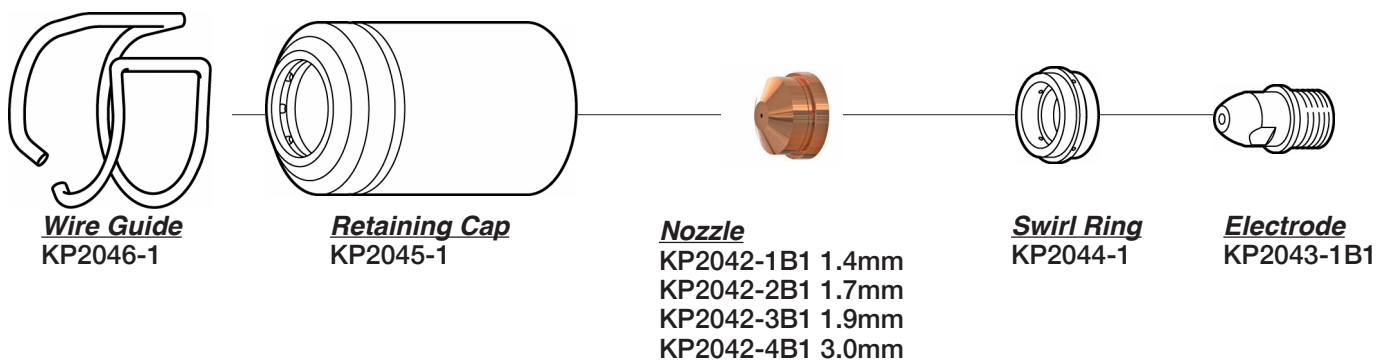
**Not Shown**  
K1571-1 Torch W/lead 25'

LINCOLN® PROCUT 40





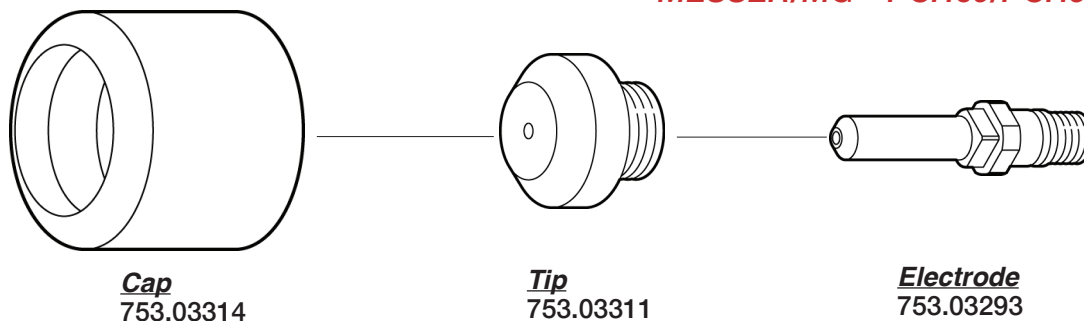
**LINCOLN<sup>®</sup> PROCUT 125**



**Not Shown**  
K880-5 Torch W/lead 25'

**MESSER/MG<sup>®</sup>/MILLER<sup>®</sup>**

**MESSER/MG<sup>®</sup> PCH60/PCH95**

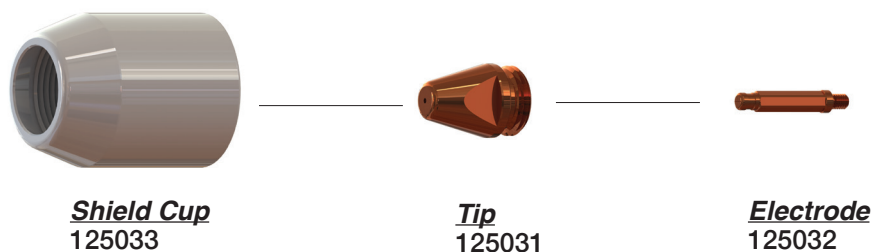


**Not Shown**

753.03753 Tip 1.0mm (PCH95)

753.03754 Tip 1.2mm (PCH95)

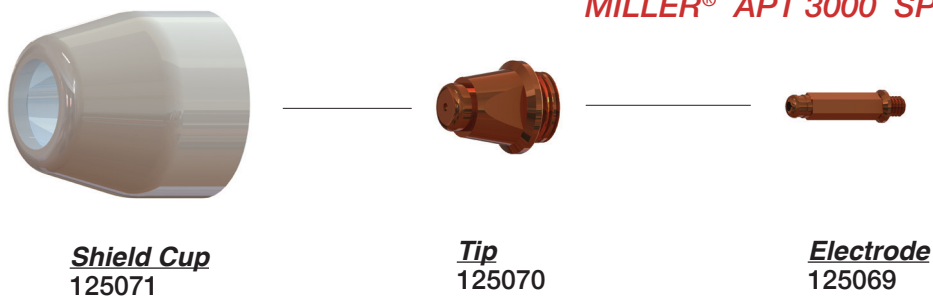
**MILLER<sup>®</sup> APT 1000**



**Not Shown**

\*131190 Torch Body w/out Handle

**MILLER<sup>®</sup> APT 3000 SPECTRUM 250D**



**Not Shown**

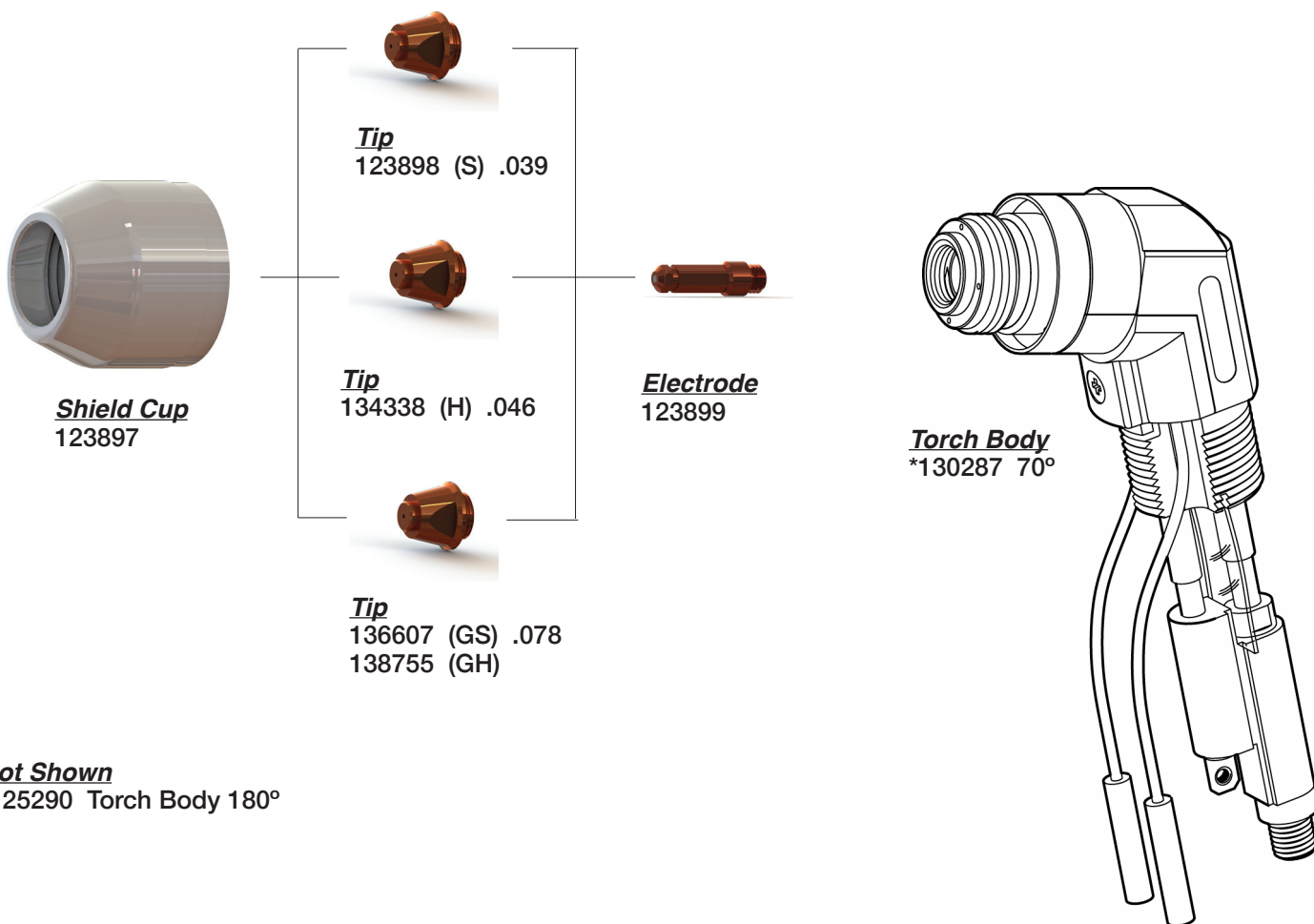
\*130286 Torch Body 70°

\*125081 Torch Body 180°

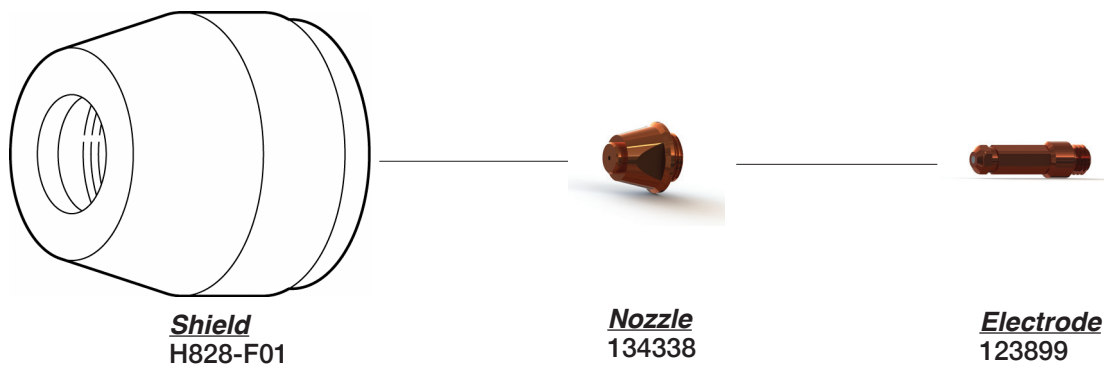
**MILLER<sup>®</sup>**

**MILLER<sup>®</sup> APT 5000 SPECTRUM 500D**

**PLASMA**

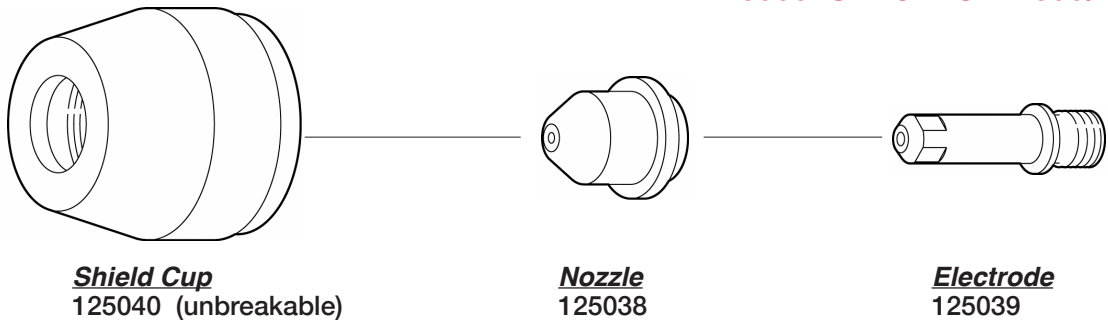


**MILLER<sup>®</sup> APT 7000**

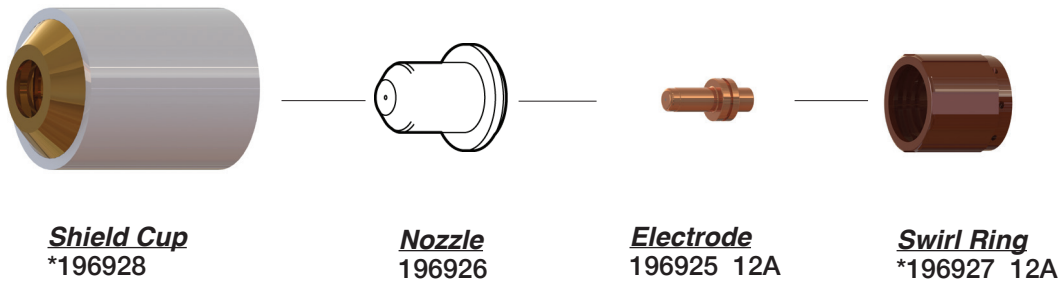


**MILLER<sup>®</sup>**

**MILLER<sup>®</sup> APT 8000 SPECTRUM 1500/1500D**

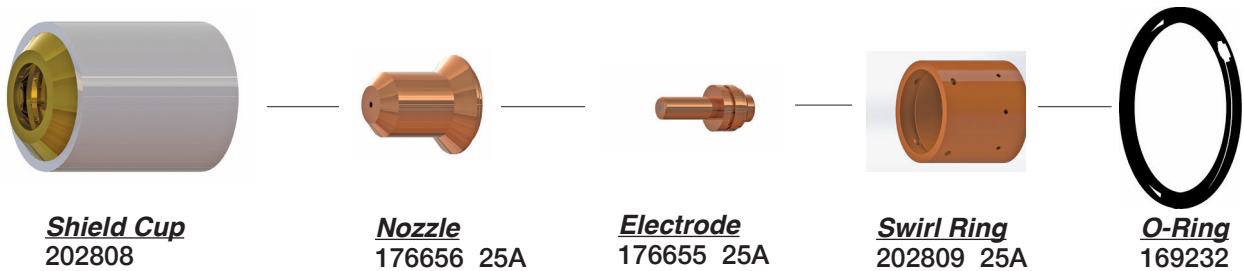


**MILLER<sup>®</sup> ICE-12C**



**Not Shown**  
126778 180° Torch w/50' lead

**MILLER<sup>®</sup> ICE-25C/ 27C SPECTRUM 300**

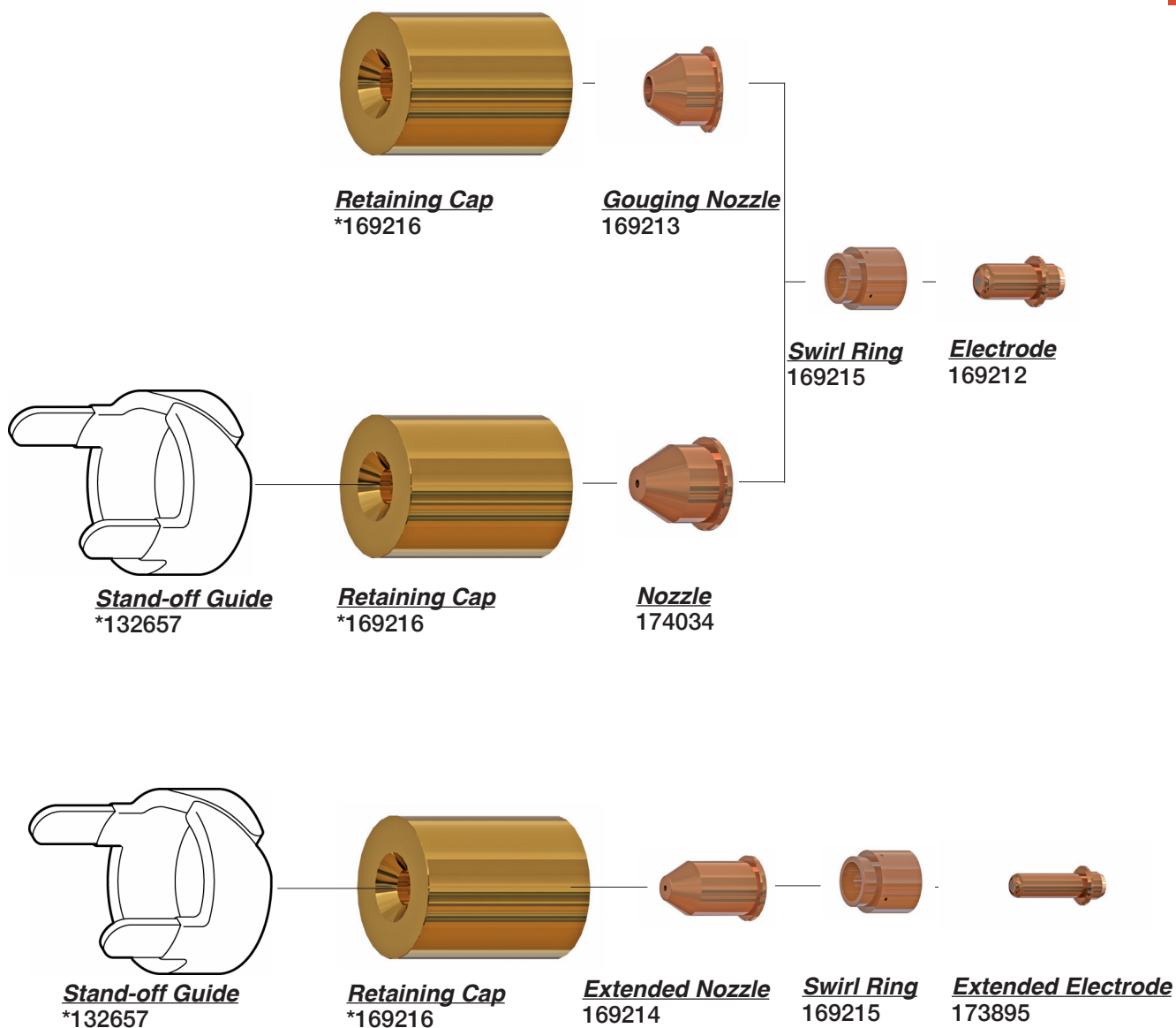


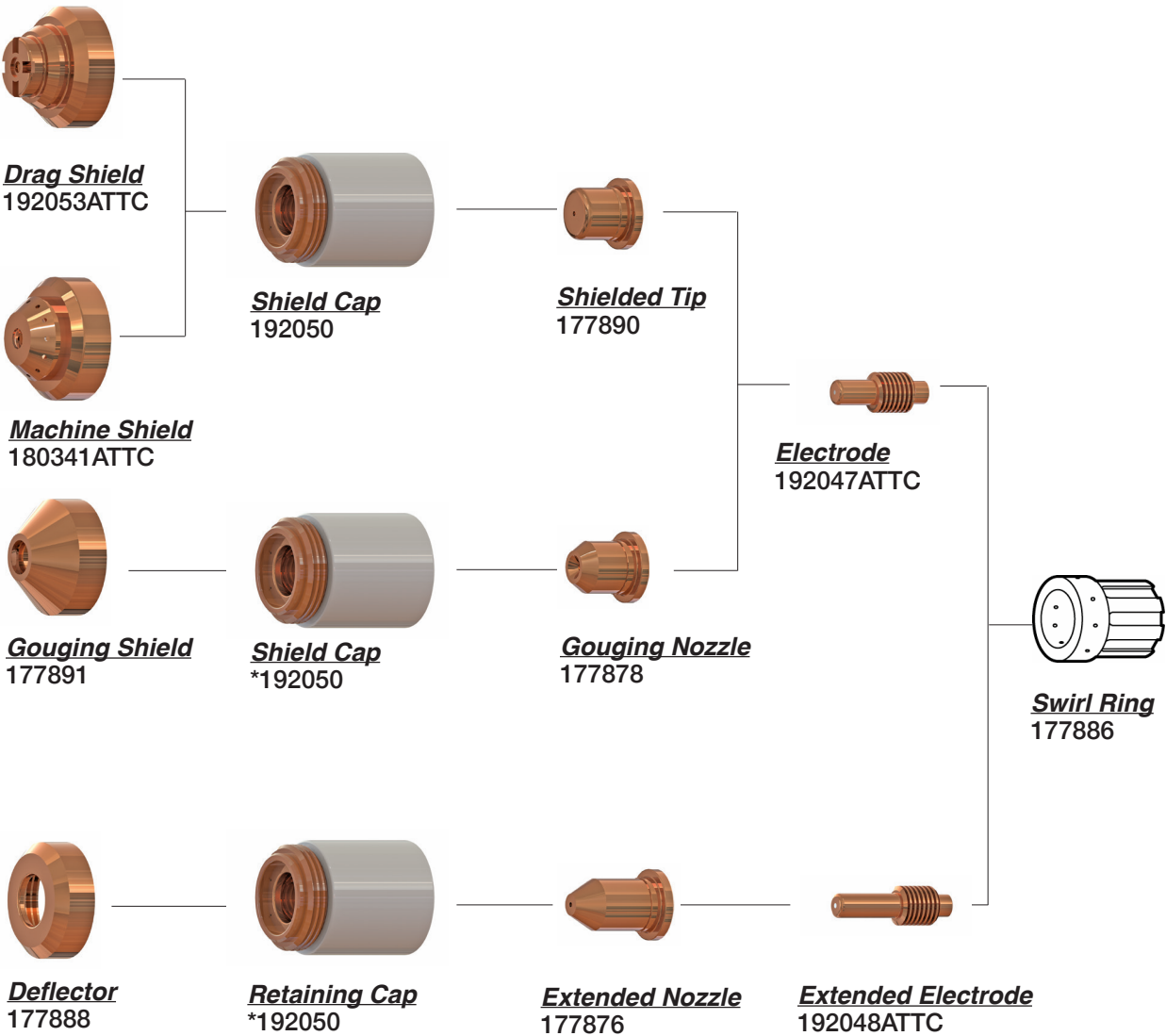
American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

**MILLER<sup>®</sup>**

**MILLER<sup>®</sup> ICE 50**

**PLASMA**

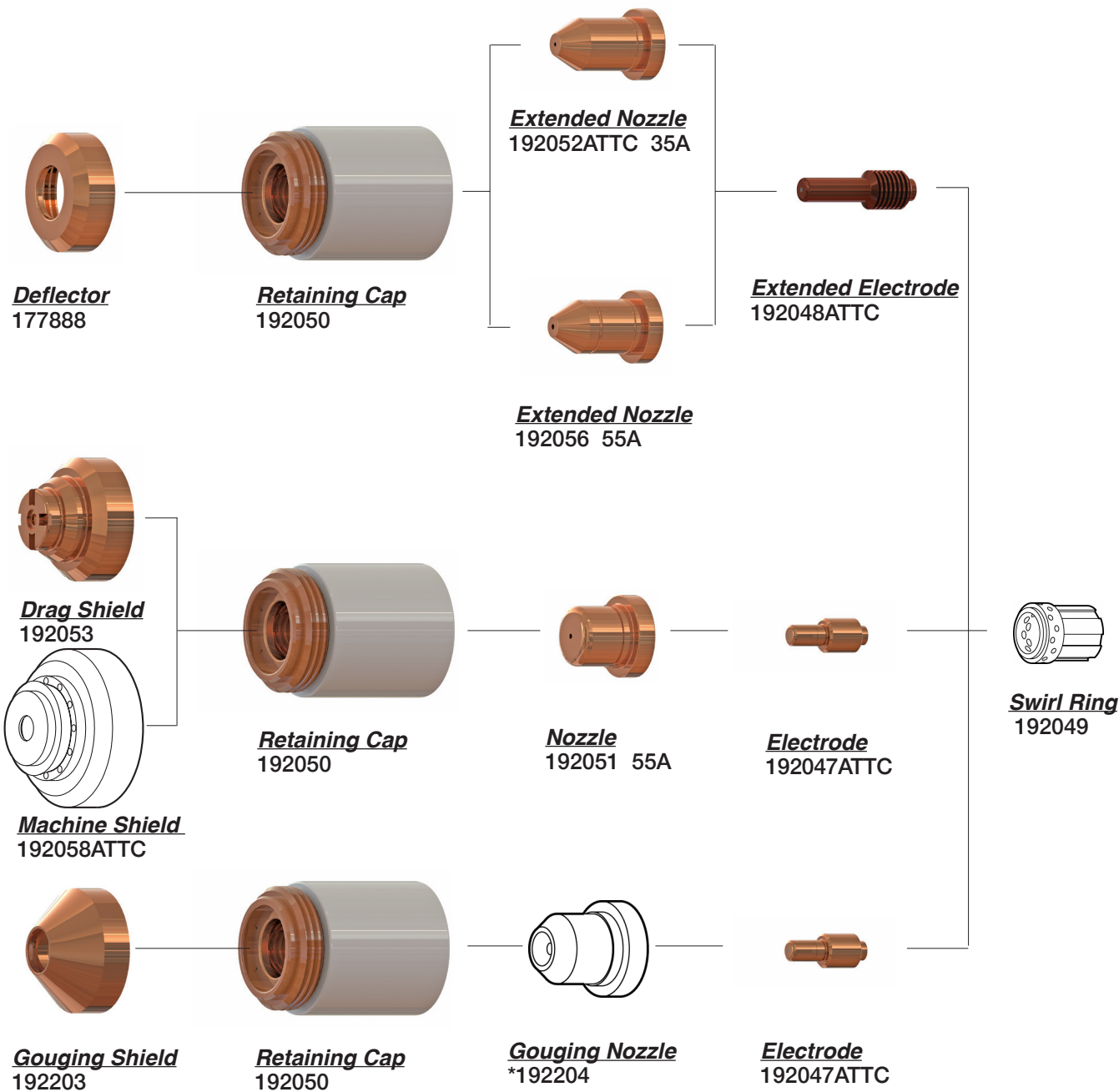




**MILLER<sup>®</sup>**

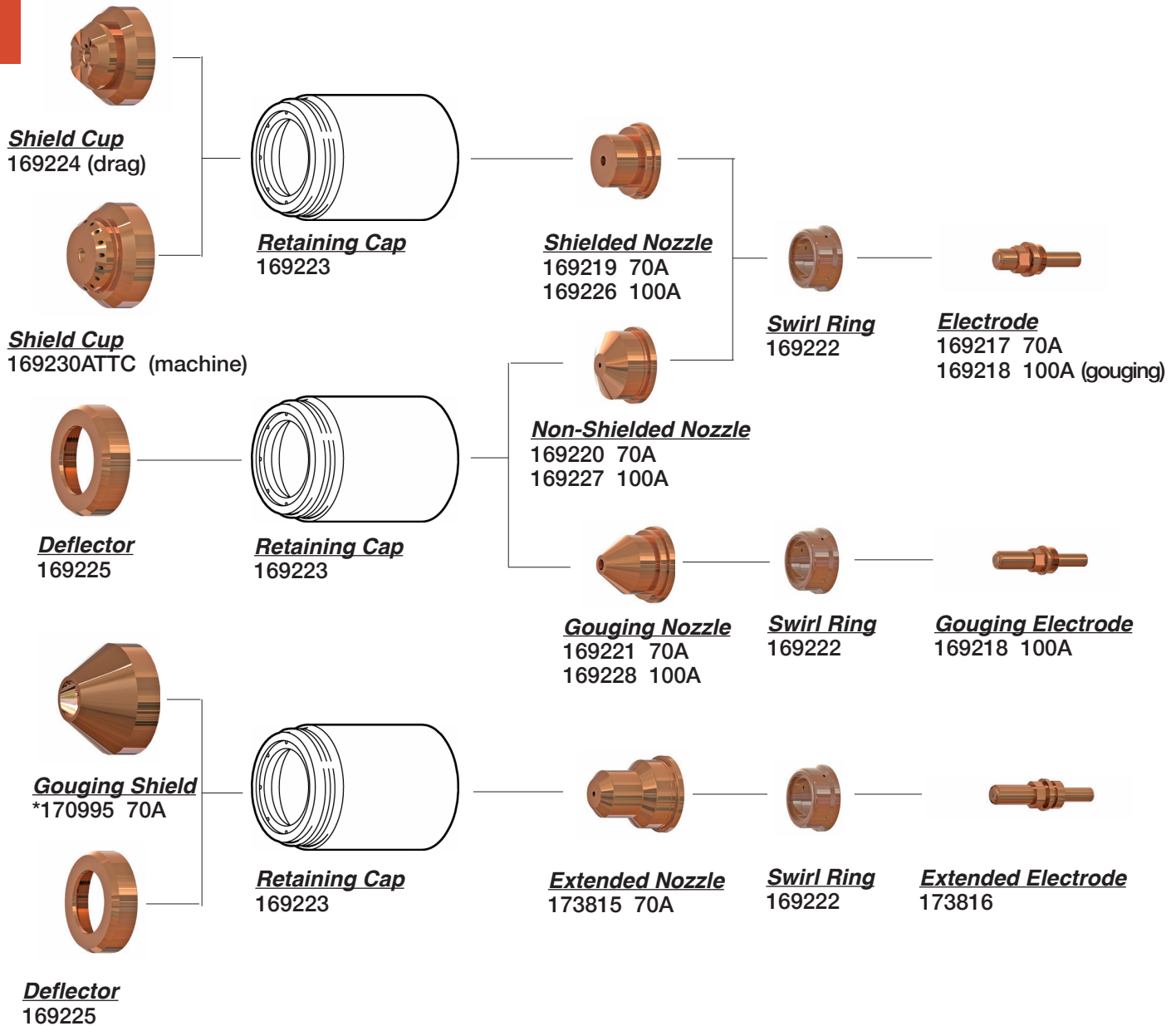
**MILLER<sup>®</sup> ICE 55C**

**PLASMA**



**Not Shown**

- \*192059 Torch Main Body 70°
- \*192060 Torch Main Body 180°
- \*193347 70° Torch w/25' lead

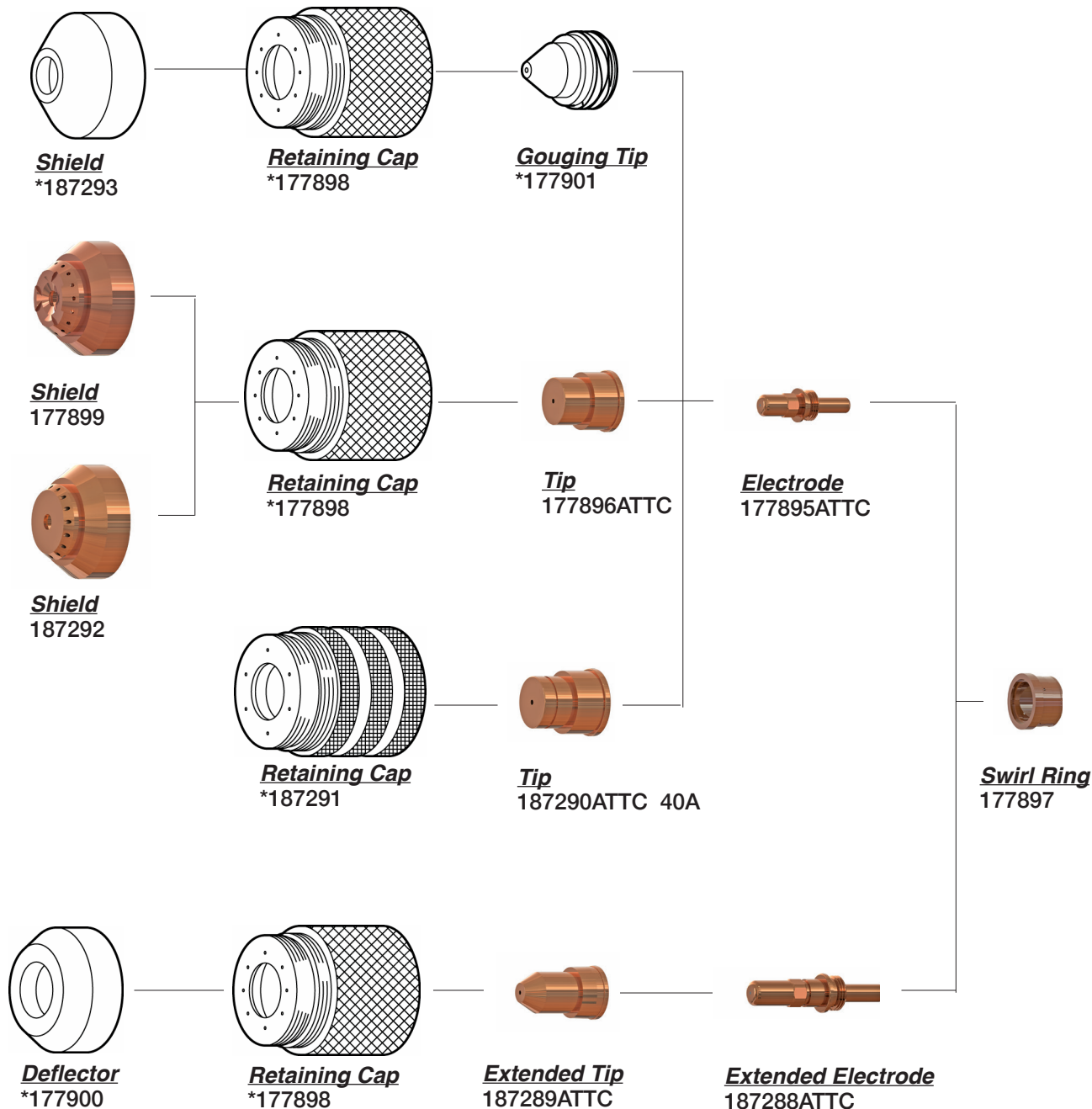
**MILLER® ICE 70-SPECTRUM 1000 / ICE100-SPECTRUM 1250**
**PLASMA**

**Not Shown**

\*171257 Torch body 75°  
 \*171243 Mach Torch 30' Lead  
 171245 - Machine Torch Body 180°  
 225706 - Machine Torch & Lead 25'

**MILLER<sup>®</sup>**

**MILLER<sup>®</sup> ICE-80/80CM SPECTRUM PLUS**

**PLASMA**



**Not Shown**

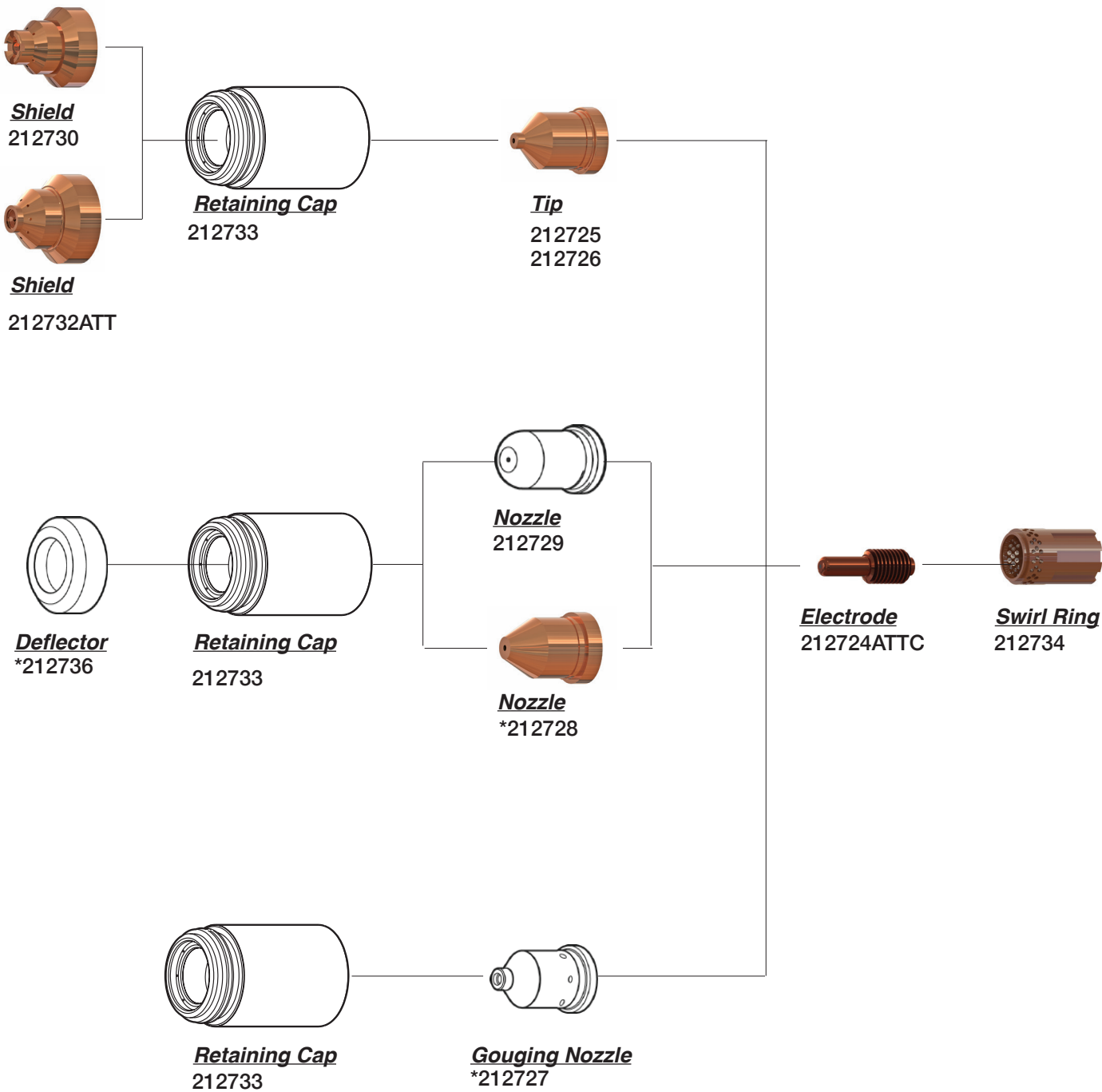
\*172384 Torch Head, 70°

\*172385 Torch Head, 70° w/25' Leads

MILLER®

MILLER® ICE-80CX / 80T

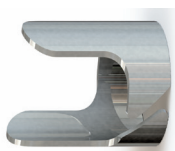
PLASMA



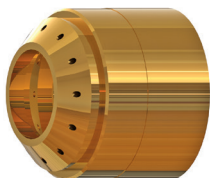
**MILLER<sup>®</sup>**

**MILLER<sup>®</sup> MC80**

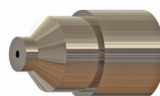
**PLASMA**



**Stand-off Guide**  
\*171873



**Shield Cup**  
\*171874



**Nozzle**  
171871



**Electrode**  
171870

**Not Shown**

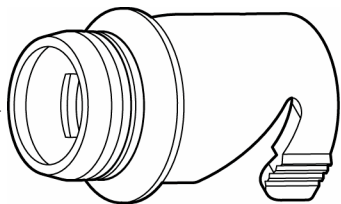
\*172385 Hand Torch w/Kit

\*175833 Machine Torch w/Kit

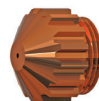
**PLAZCUT<sup>®</sup> (NERTAJET)**



**Guide Wire**  
095485



**Drill Plate**  
095484



**Tip**  
0408-2261 1.0mm  
0408-2262 1.2mm  
0408-2385 1.6mm



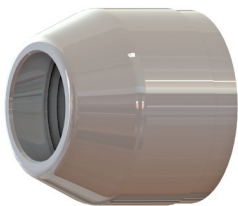
**Tip**  
095483



**Electrode**  
095482  
0408-2404

**MULTI QUIP<sup>®</sup>**

**MULTI QUIP<sup>®</sup> PCX50SS**



**Shield Cup**  
24074

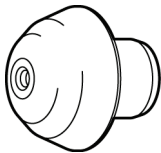


**Tip**  
24084 (S)

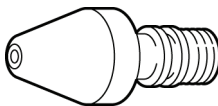


**Electrode**  
24072

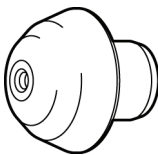
**NIPPON STEEL<sup>®</sup>**



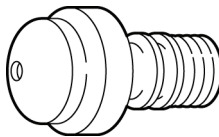
**Tip**  
50305-01-1 2H  
50305-01-1 2H 2.6mm  
50305-01-1 2H 3.0mm  
50305-01-1 2H 3.2mm  
50305-01-1 2H 4.0mm  
50305-01-1 2H 4.8mm



**Tip**  
M05-01-1 1.6mm



**Tip**  
50305-01-1 1.5mm  
50305-01-1 2.0mm  
50305-01-1 2.4mm  
50305-01-1 2.6mm  
50305-01-1 3.0mm  
50305-01-1 3.2mm  
50305-01-1 4.8mm



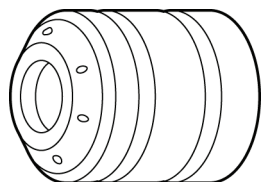
**Tip**  
M07-01-1 2.4mm  
M07-01-1 3.2mm

**NU-TECSYS<sup>®</sup>**

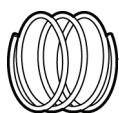
**NU-TECSYS<sup>®</sup> NPT-3, 3R & 3S**

**PLASMA**

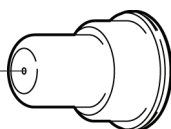
**NEW STYLE**



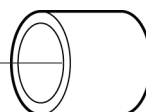
**Retaining Cap**  
807.1053



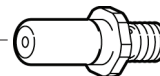
**Spring**  
807.0054



**Nozzle**  
807.0052 1.1mm  
707.0052 1.0mm

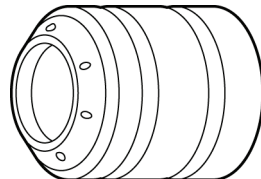


**Insulator Sleeve**  
807.1055

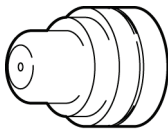


**Electrode**  
807.0051 (30&31)  
707.0051 (30)

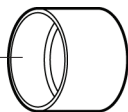
**OLD STYLE**



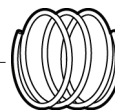
**Retaining Cap**  
807.9053



**Nozzle**  
707.1052 1.2mm



**Insulator Sleeve**  
807.0055



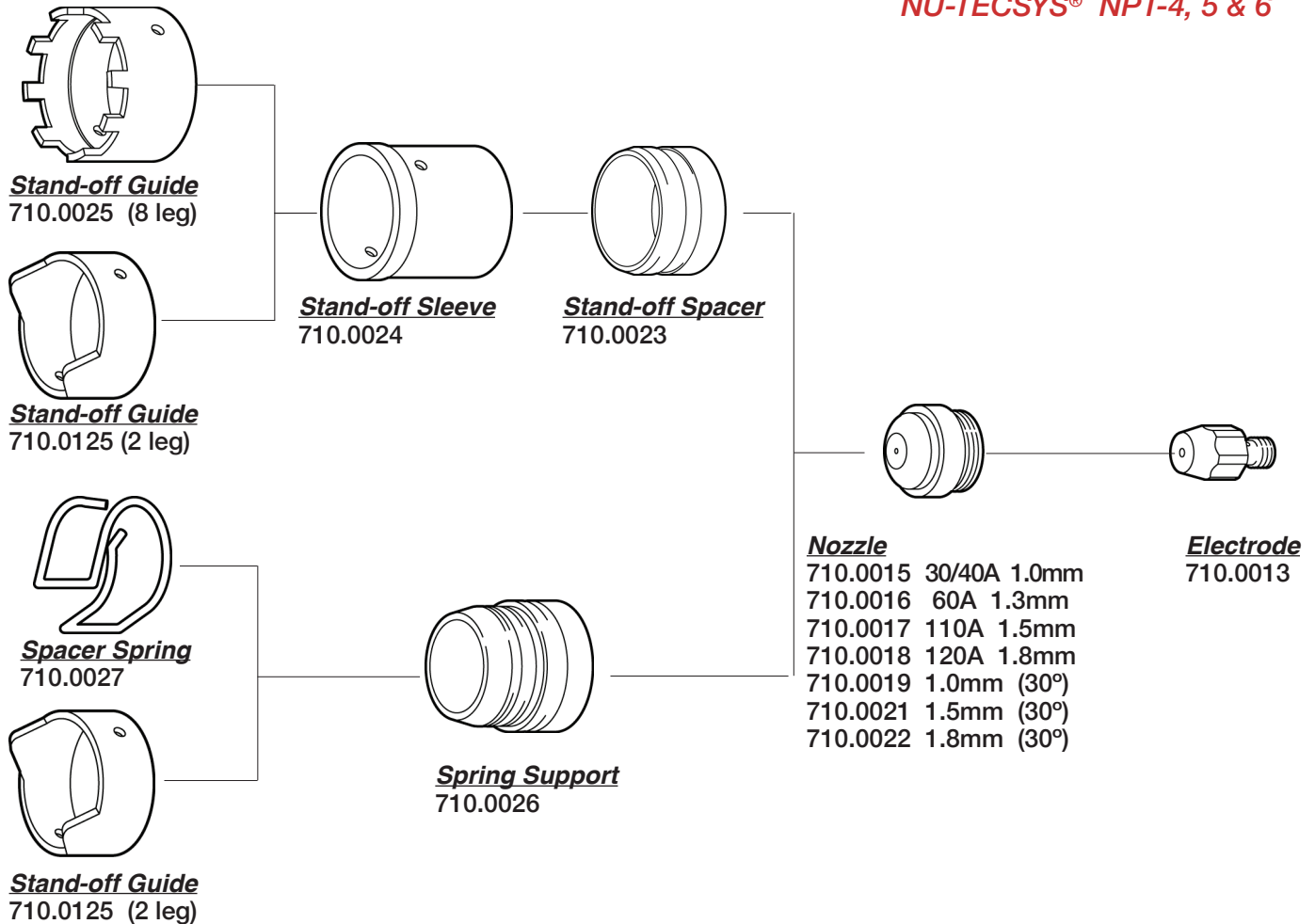
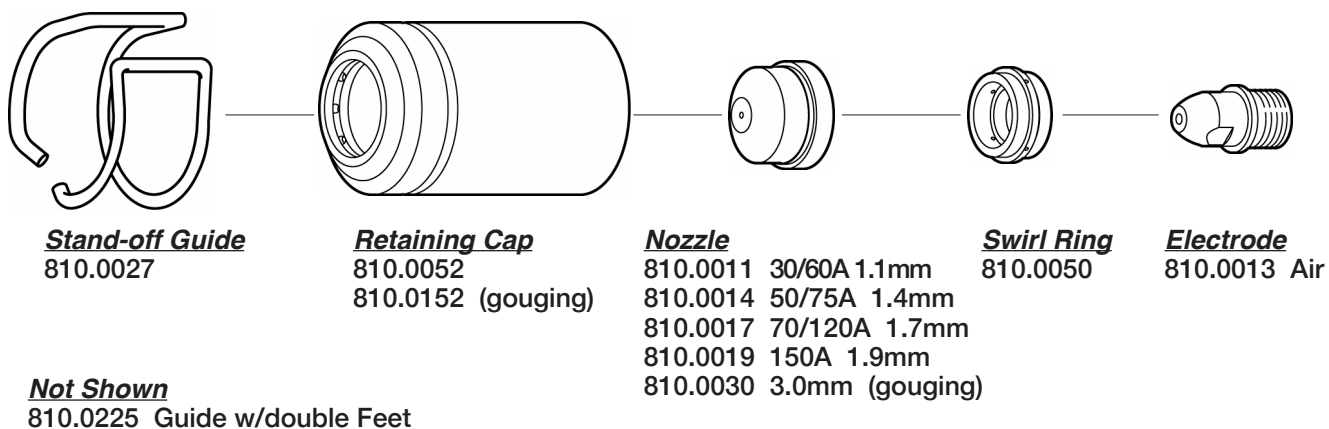
**Spring**  
707.0054

**NOTE:**

PCA30-2 Uses "old style" push down.  
\*PCA30 PS Uses "new Style" pilot arc.

**Not Shown**

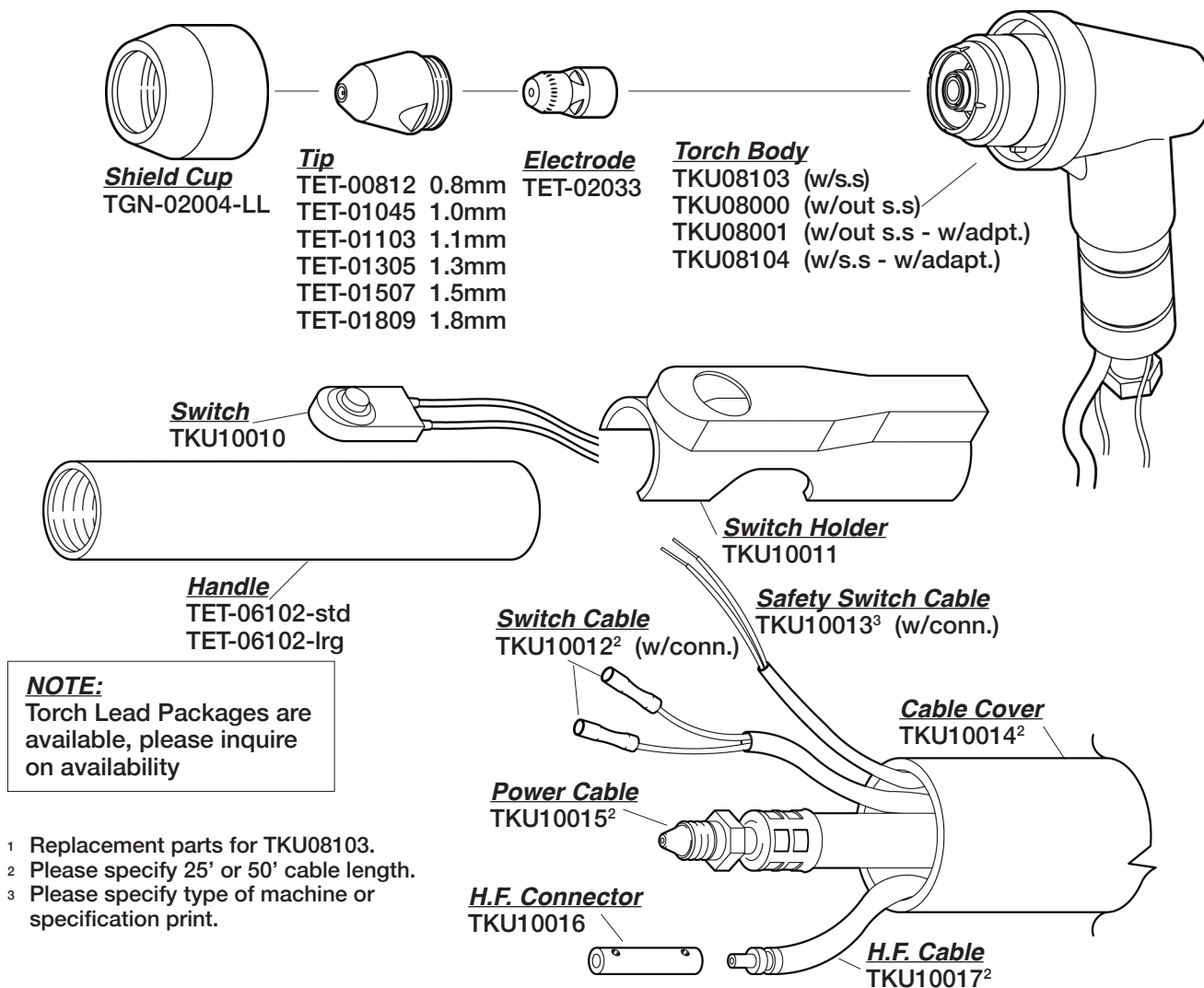
707.1052-SPECIAL Nozzle w/step

**NU-TECSYS<sup>®</sup>**
**NU-TECSYS<sup>®</sup> NPT-4, 5 & 6**

**NU-TECSYS<sup>®</sup> NPT-12**


**PANASONIC®**

**PANASONIC® TKU08103**

**PLASMA**



- 1 Replacement parts for TKU08103.
- 2 Please specify 25' or 50' cable length.
- 3 Please specify type of machine or specification print.

**TKU/Panasonic Cutting Table**

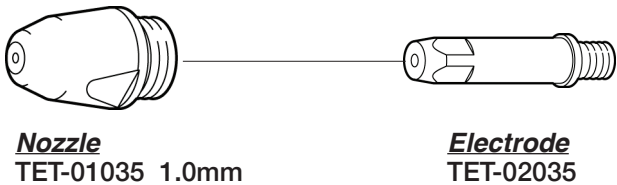
Amps	Standoff for Cutting	Gas Plasma/Shield	Plate Thickness		Cut Speed - Mild/ss	
			In.	mm	In./Min	mm/Min
100	1/8	Air/Air	1/16	1.6	350	8900
			1/8	3.0	200	5000
			1/4	6.0	100	2540
			3/8	9.5	65	1651
			1/2	12.5	50	1270
			3/4	19.0	25	635
			1	25.0	10	254

**Not Shown**

- TKU10007<sup>1</sup> Safety Switch
- TKU10019<sup>3</sup> Cable End Adaptor Kit
- TKU10025 Cable Assy. 25'
- TKU10050 Cable Assy. 50'
- TKU-06102-S Spacer
- TGN-0011 Crown Cup

**NOTE:** For the material you are cutting, set initial torch height (before piercing) to approximately twice the Stand-off Distance. 1 scfh = 28.316 liter/hour, 1 psi = .0689 bar = 6.895 Kpa. This information represents our best judgement but American Torch Tip assumes no liability for its use.

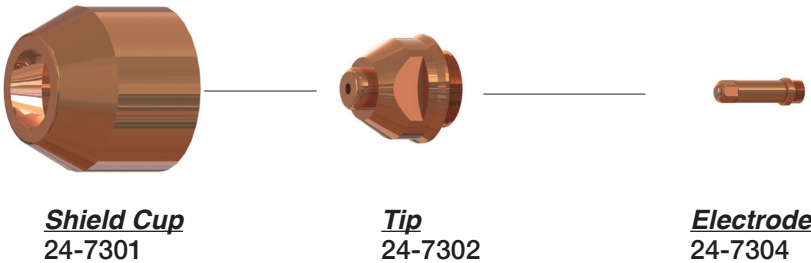
PANASONIC<sup>®</sup>  
PANASONIC<sup>®</sup> 35A



P-TRON<sup>®</sup> PZ-8



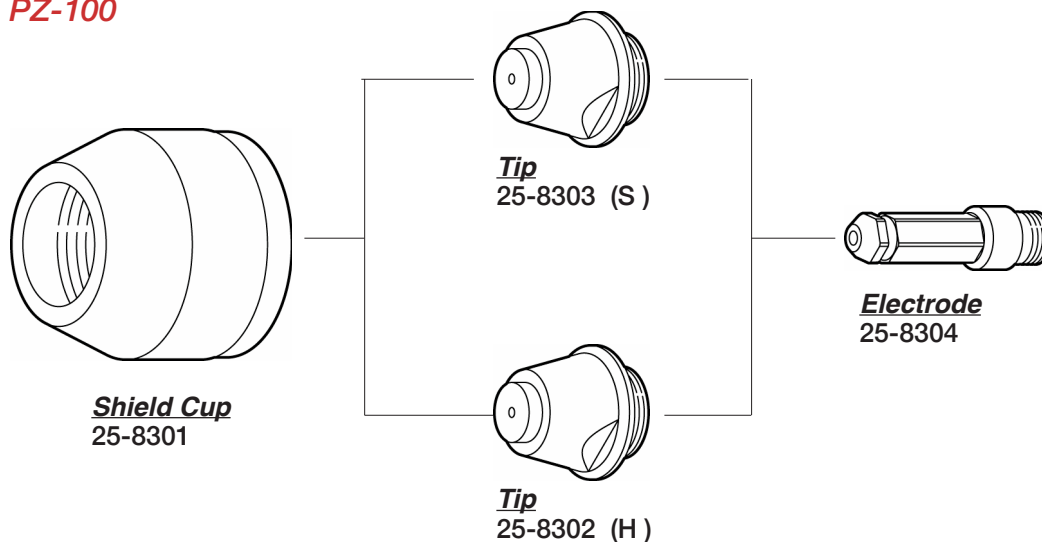
P-TRON<sup>®</sup> PZ-75



American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

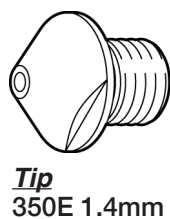
**P-TRON®**

**P-TRON® PZ-100**

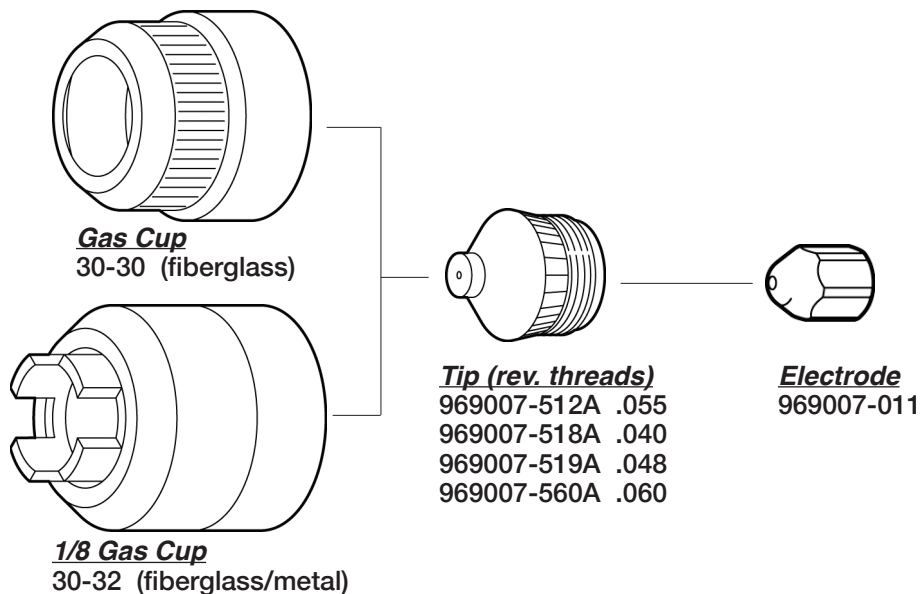


**PLASMA**

**PMW®**



**POW-CON® PT 80**



**SACHERON<sup>®</sup>**

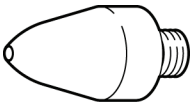
**SACHERON<sup>®</sup>**



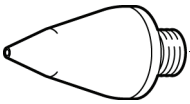
**Nozzle**  
9000-943058 .047 1.2mm



**Nozzle**  
9000-941 .047 1.2mm 45°  
9000-930 .030 0.8mm 45°



**Nozzle**  
9000-943109 .071 1.8mm  
9000-943108 .059 1.5mm



**Nozzle**  
9000-943105 .030 0.8mm  
9000-943107 .040 1.0mm  
9000-943107-1.2 .047 1.2mm

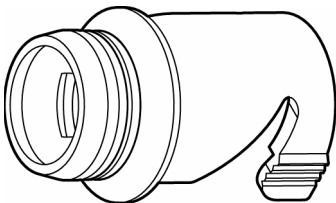


**Electrode**  
9000-8142-C

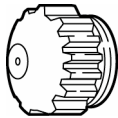
**SAF<sup>®</sup>**



**Guide Wire**  
0408-2053



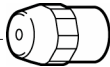
**Drill Plate**  
0408-2054



**Tip**  
0408-2261 1.0mm  
0408-2262 1.2mm  
0408-2385 1.6mm



**Tip**  
0408-2052 20/40



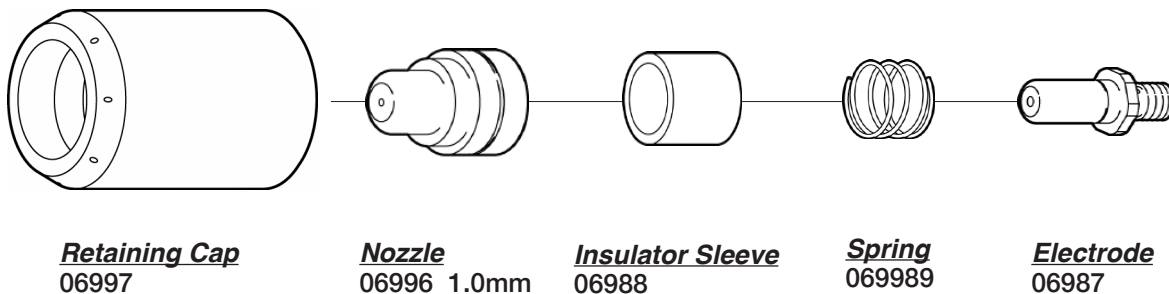
**Electrode**  
0408-2404

**Not Shown**  
0409-2184 O-Ring

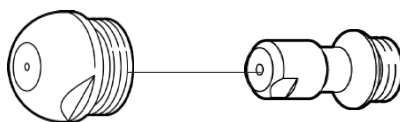
**SIP<sup>®</sup>**

**SIP<sup>®</sup>**

**PLASMA**



**SMITH MERKLE<sup>®</sup>**



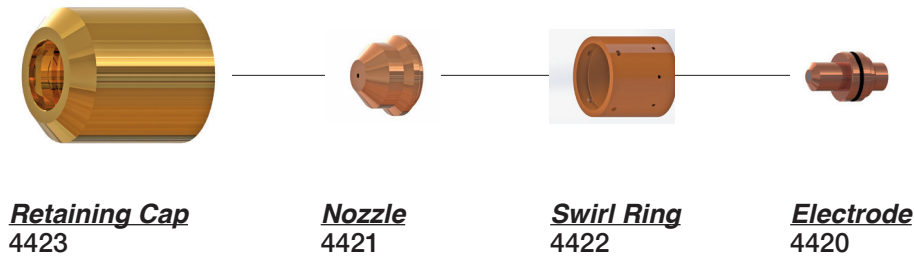
**Tip**  
 30812-5 1.0mm  
 30813-5 1.2mm  
 30814-5 1.4mm  
 30815-5 1.6mm  
 30344-5 1.8mm

**Electrode**  
 30808-5

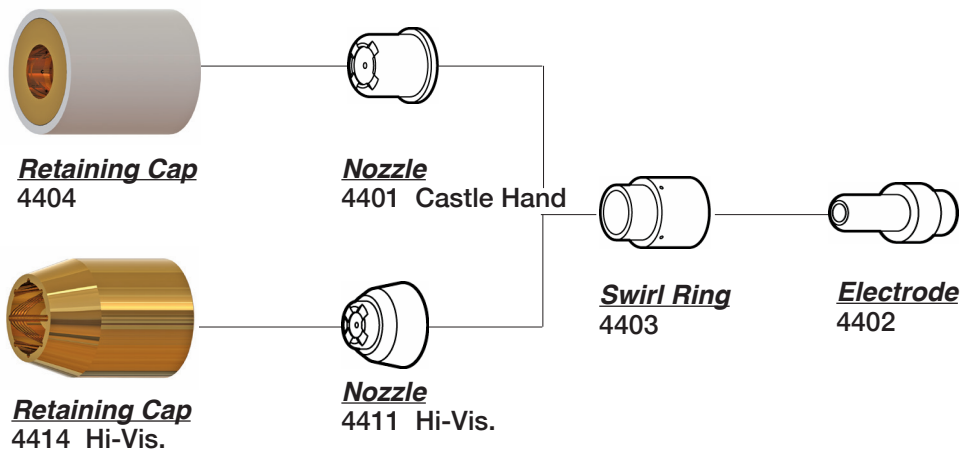
**Not Shown**  
 30881-1 Wire Guide Assembly

SOLAR®

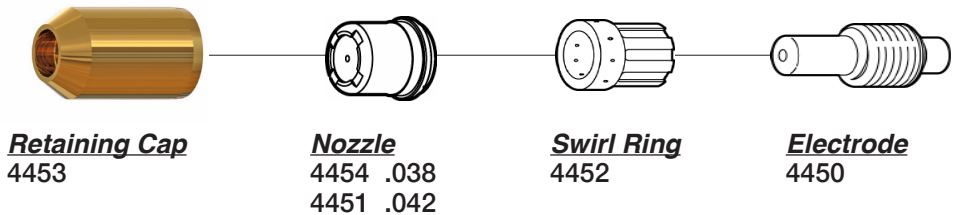
SOLAR® 20-20



SOLAR® 20-40



SOLAR® 20-50



American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

**TAIWAN PLASMA COMPANY<sup>®</sup>**

**TAIWAN PLASMA COMPANY<sup>®</sup>**

**PLASMA**



**Tip**  
TWE 3010

**Electrode**  
TWE 30 short



**Tip**  
TWE 8013 1.3mm  
TWE 8015 1.5mm

**Electrode**  
TWE 80 long

**TANAKA<sup>®</sup>**

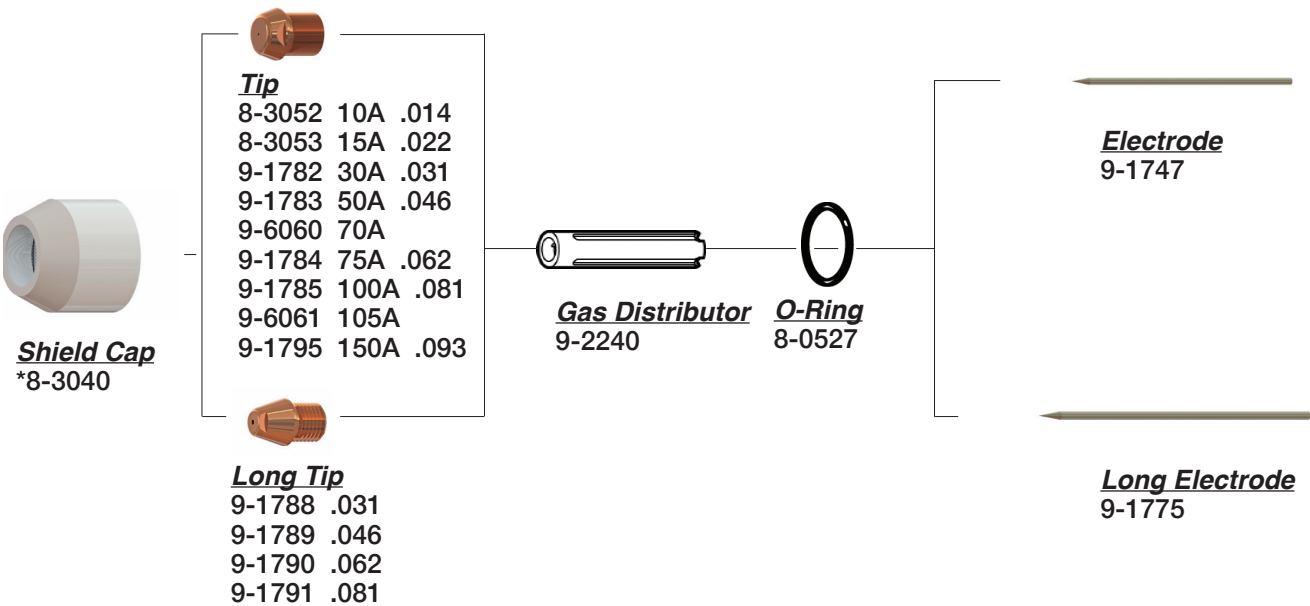


**Nozzle**  
PST-250-2.5 2.5mm

**Electrode**  
PST-250-ELECTRODE

**THERMAL DYNAMICS<sup>®</sup>**

**THERMAL DYNAMICS<sup>®</sup> PWH/M-3A**

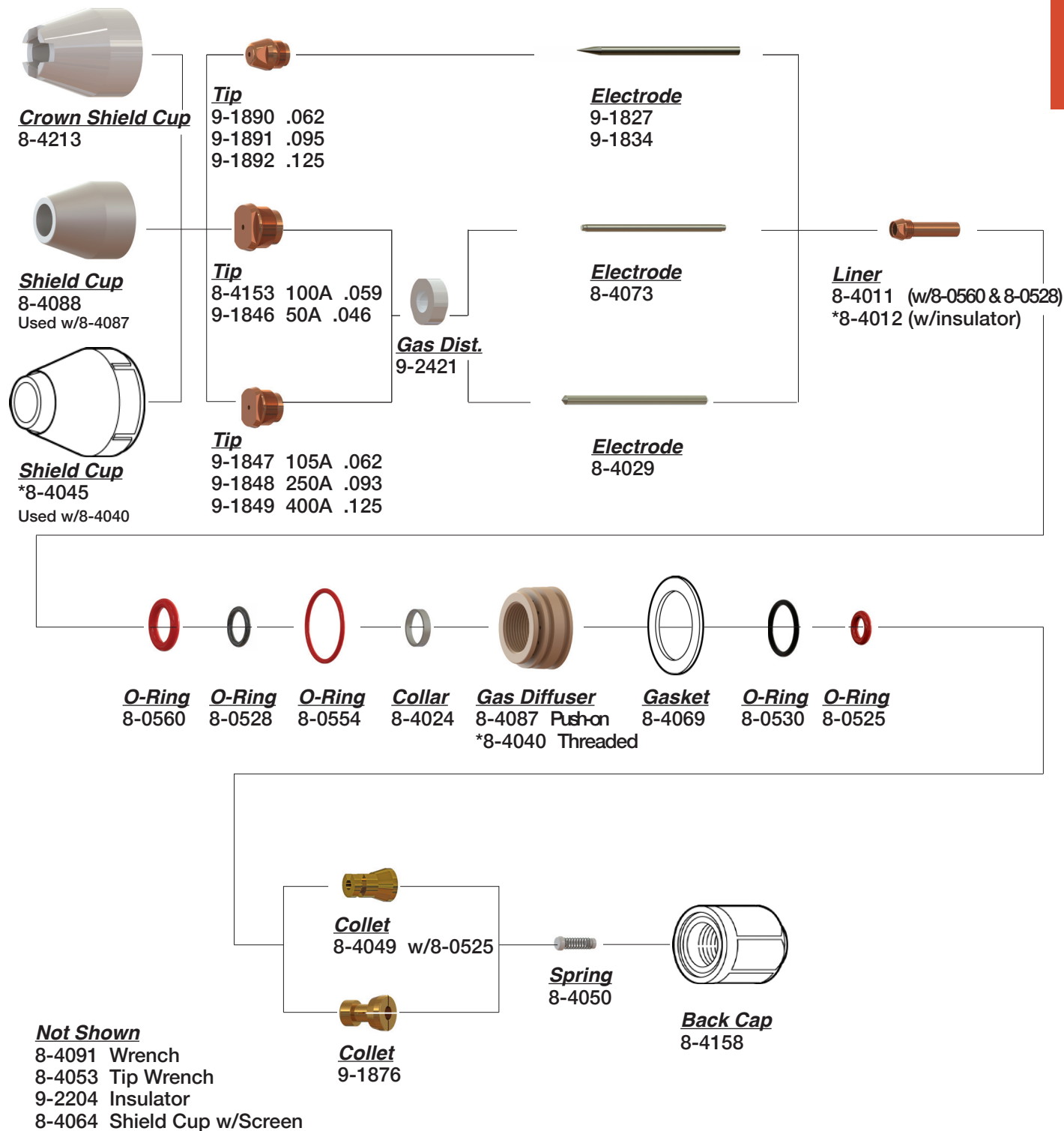


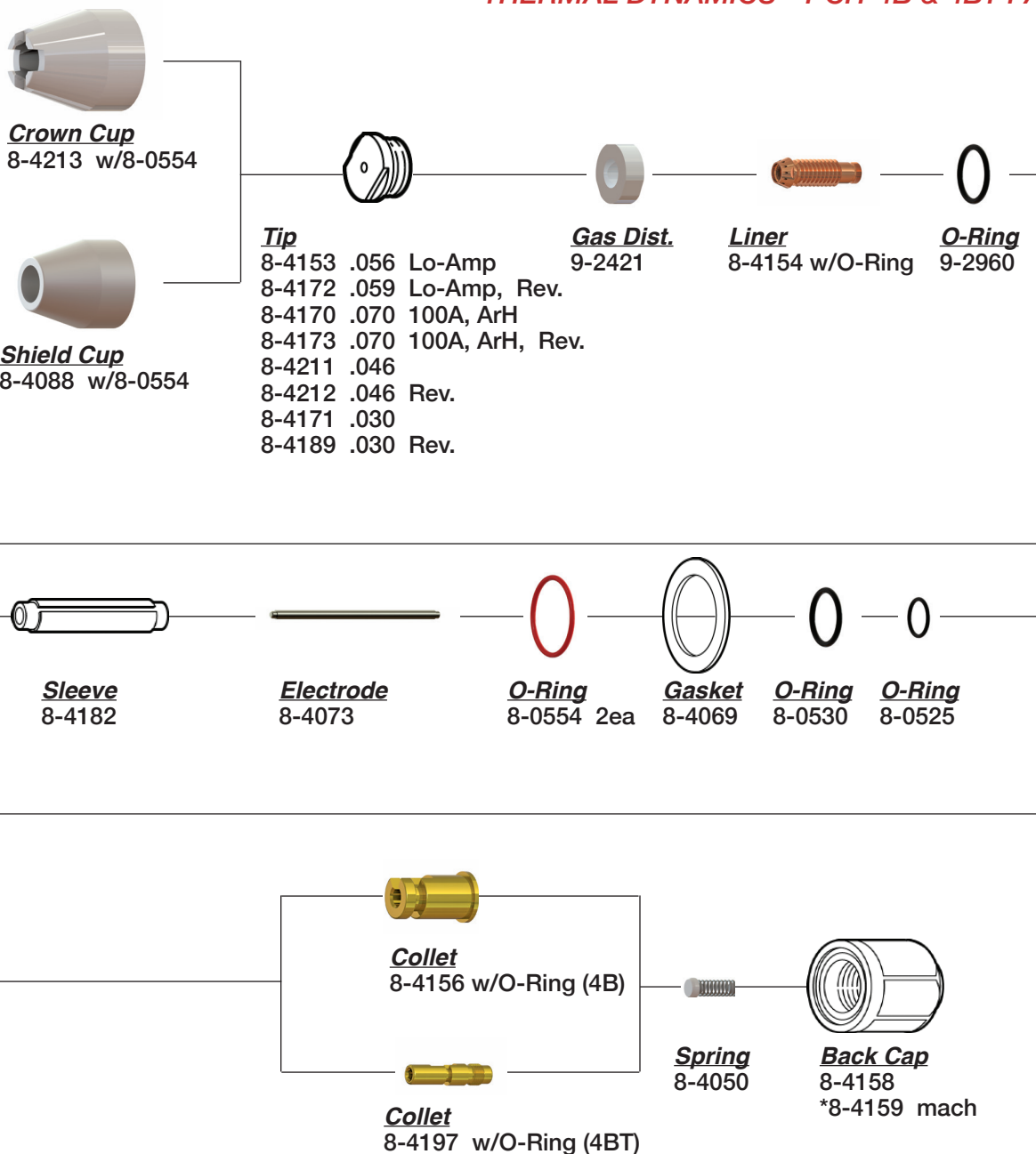
**Not Shown**  
\*8-3030 70° Torch Body  
9-1803 Long Black Cap  
9-1779 Short Black Cap

**THERMAL DYNAMICS<sup>®</sup>**

**THERMAL DYNAMICS<sup>®</sup> PWH-4A**

**PLASMA**

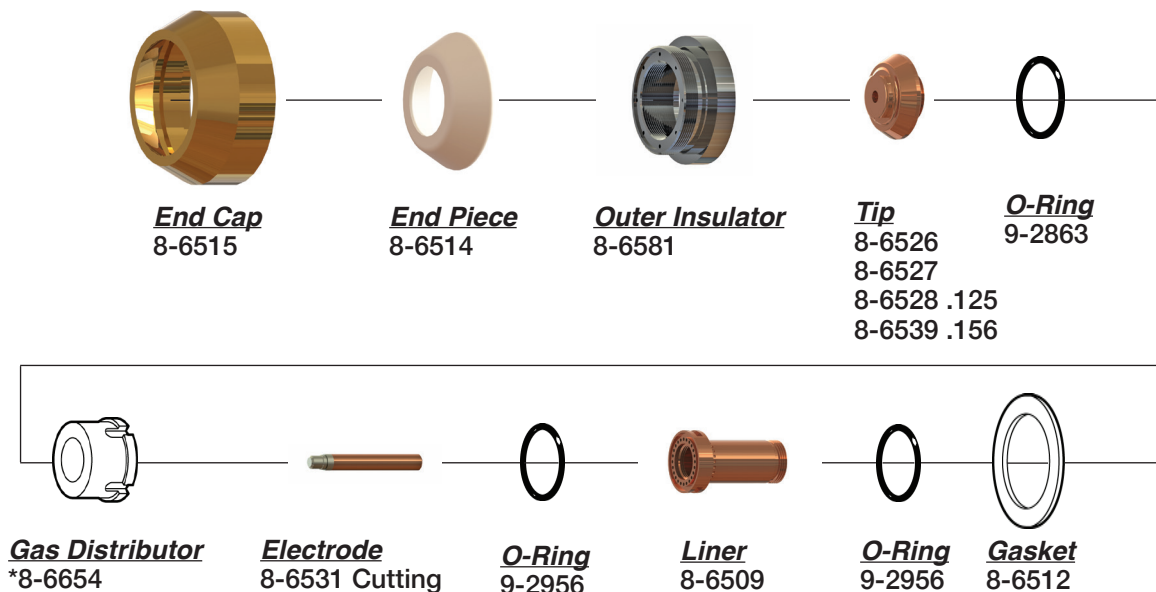


**THERMAL DYNAMICS®****THERMAL DYNAMICS® PCH-4B & 4BT PAK® 10****Not Shown**

8-4157 Liner Wrench  
 \*8-4160 Torch Body 70°  
 8-4196 Torch Head 180°  
 8-4198 Collet Wrench  
 8-4007 Wrench

**THERMAL DYNAMICS<sup>®</sup>**

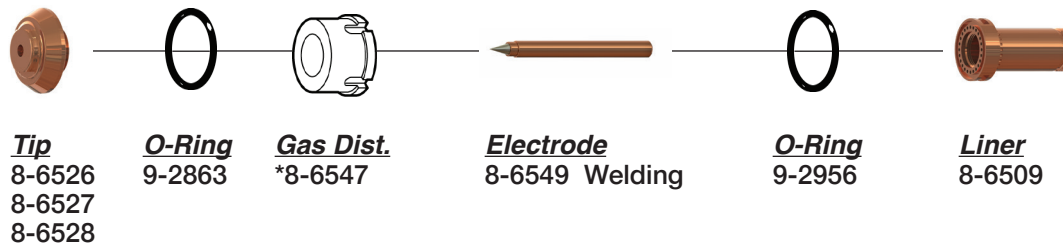
**THERMAL DYNAMICS<sup>®</sup> PCH-6A**



**Not Shown**

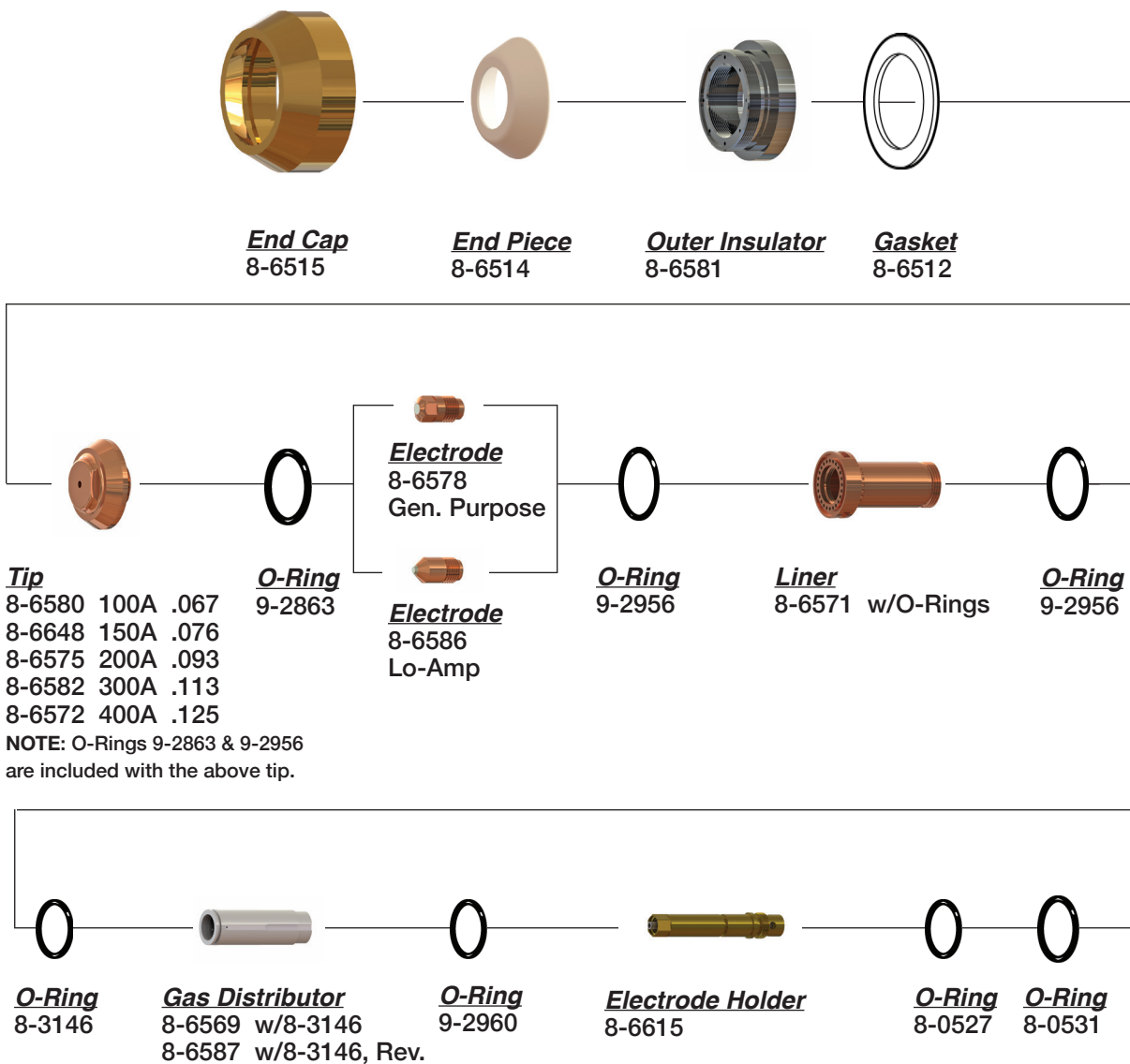
- \*8-5031 Spring
- \*8-6500 Torch Head Assy. 70°
- \*8-6510 Collet Assembly
- \*8-6523 Back Cap
- \*8-6533 Sleeve

**THERMAL DYNAMICS<sup>®</sup> PWM-6A**



**Not Shown**

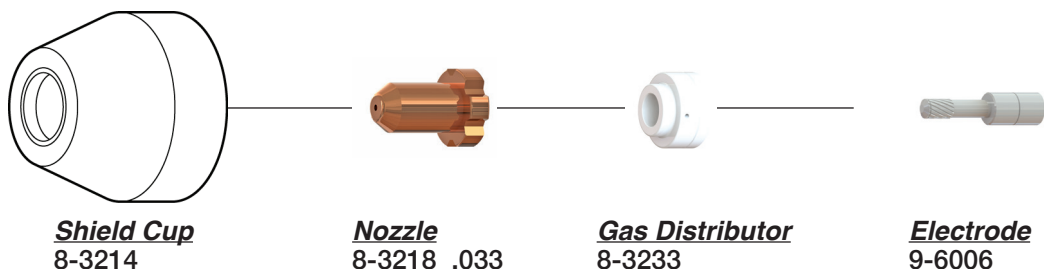
- 8-0534 O-Ring
- \*8-5031 Spring
- \*8-6502 Torch Head Assy.
- 8-6512 Gasket
- \*8-6520 Back Cap
- \*8-6542 Shield Cup
- \*8-6541 Shield Adapter
- \*8-6548 Collet Assembly
- \*8-6565 Sleeve

**THERMAL DYNAMICS®****THERMAL DYNAMICS® PCH-6B PAK® 44 & 45****Not Shown**

\*8-6517 Liner/Tip Wrench  
8-6573 Wrench  
8-6574 Wrench  
\*8-6577 Torch Body  
8-8564 Torch

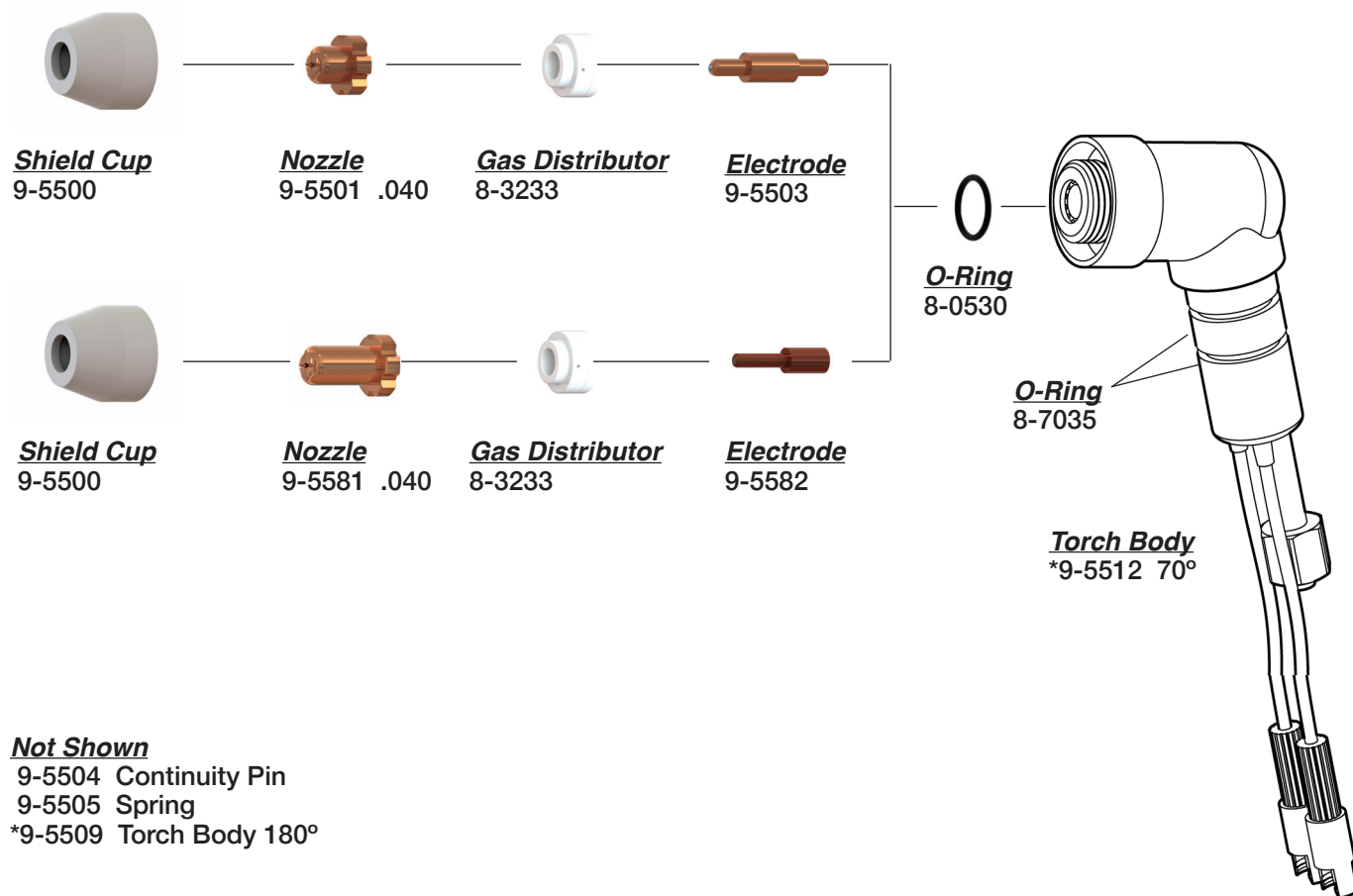
**THERMAL DYNAMICS<sup>®</sup>**

**THERMAL DYNAMICS<sup>®</sup> PCH-20 DYNAPAK<sup>®</sup> 110**



**Not Shown**  
8-3220 Torch Head, 70°

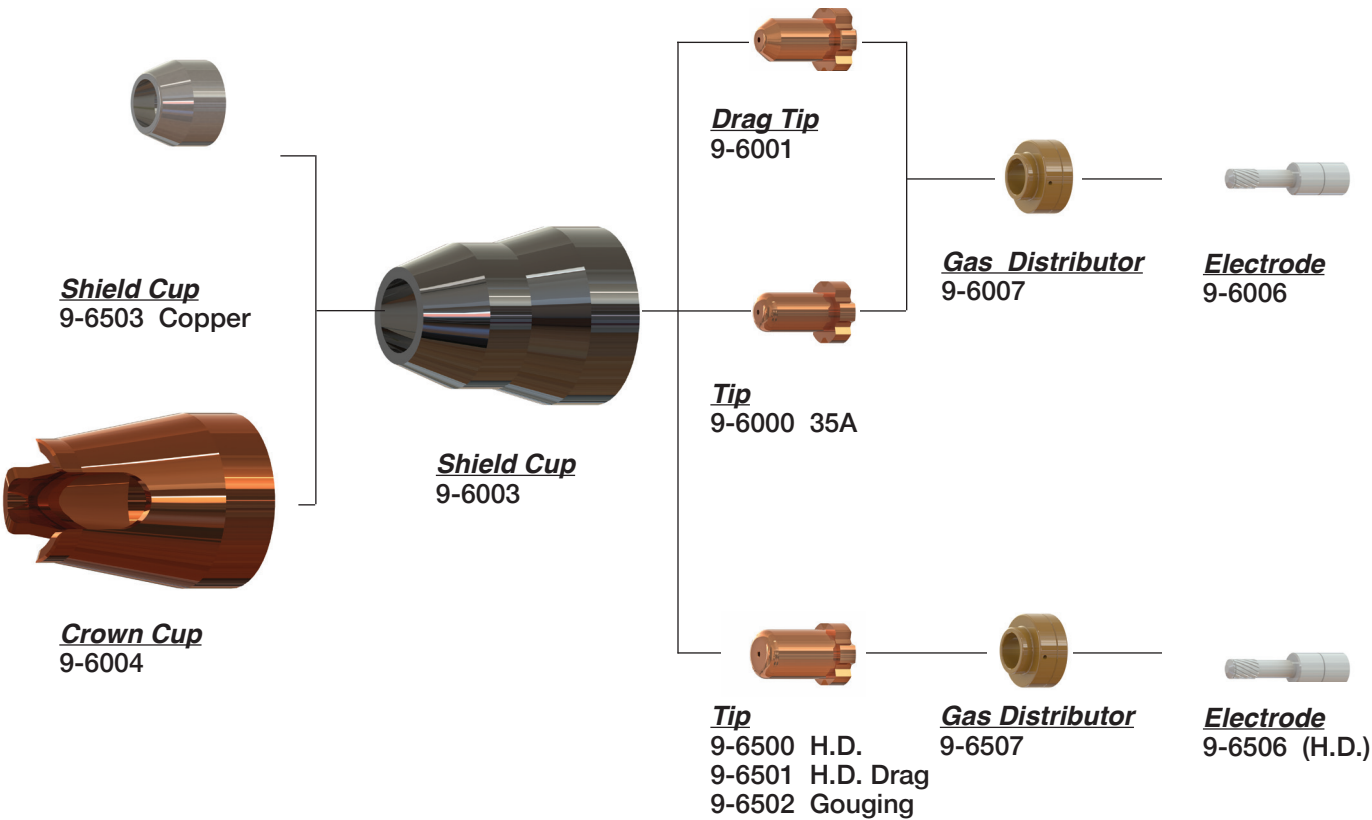
**THERMAL DYNAMICS<sup>®</sup> PCH-30 PAK<sup>®</sup> 3**



**Not Shown**  
9-5504 Continuity Pin  
9-5505 Spring  
\*9-5509 Torch Body 180°

**THERMAL DYNAMICS<sup>®</sup>**

**THERMAL DYNAMICS<sup>®</sup> PCH/M-35**

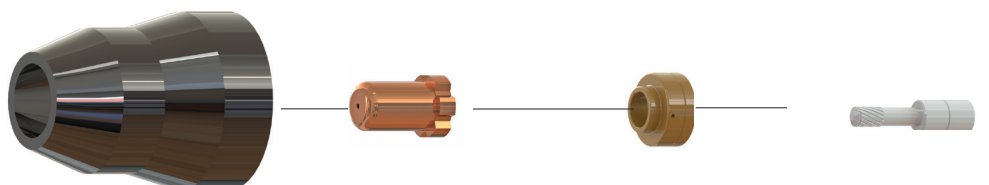


**Not Shown**

- \*9-5807 Torch Body 70°
- \*9-5809 Torch Body 180°

**THERMAL DYNAMICS<sup>®</sup>**

**THERMAL DYNAMICS<sup>®</sup> PCH/M-40**



**Shield Cup**  
9-6003

**Tip**  
9-6500 H.D.  
9-6501 H.D. Drag  
9-6002 Gouging

**Gas Distributor**  
9-6507

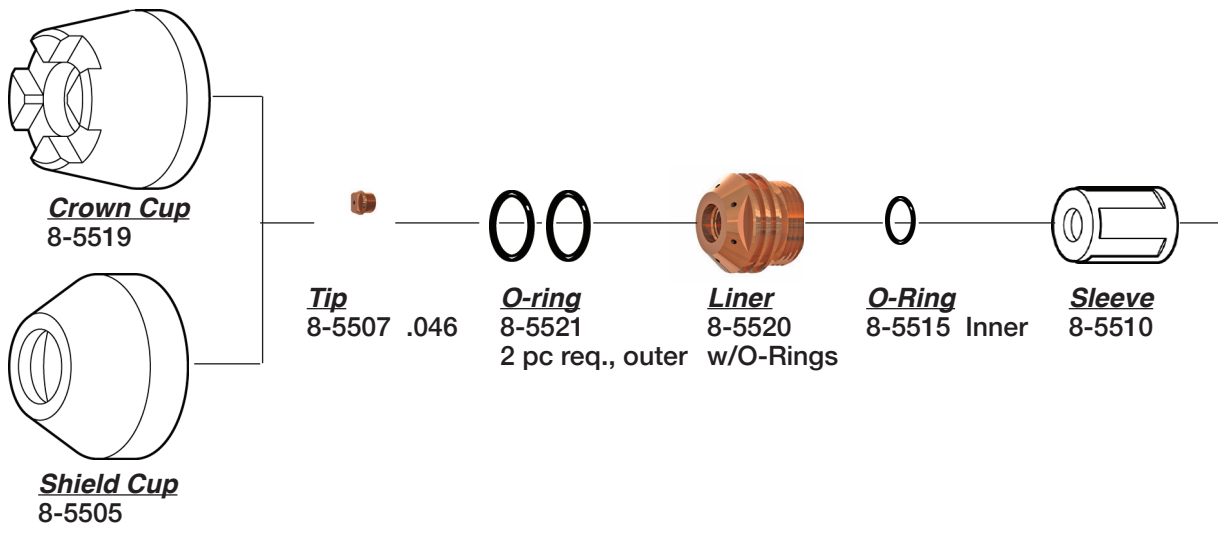
**Electrode**  
9-6506 (H.D.)

**Not Shown**

9-6004 Crown Cup  
\*9-8055 Torch Head 70°  
\*9-8053 Torch Head 180°

**PLASMA**

**THERMAL DYNAMICS<sup>®</sup> PCH-50 PAK<sup>®</sup> 5**



**Crown Cup**  
8-5519

**Shield Cup**  
8-5505

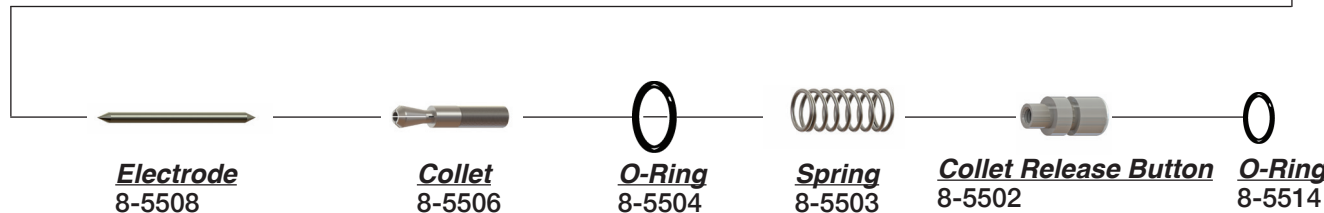
**Tip**  
8-5507 .046

**O-ring**  
8-5521  
2 pc req., outer

**Liner**  
8-5520  
w/O-Rings

**O-Ring**  
8-5515 Inner

**Sleeve**  
8-5510



**Electrode**  
8-5508

**Collet**  
8-5506

**O-Ring**  
8-5504

**Spring**  
8-5503

**Collet Release Button**  
8-5502

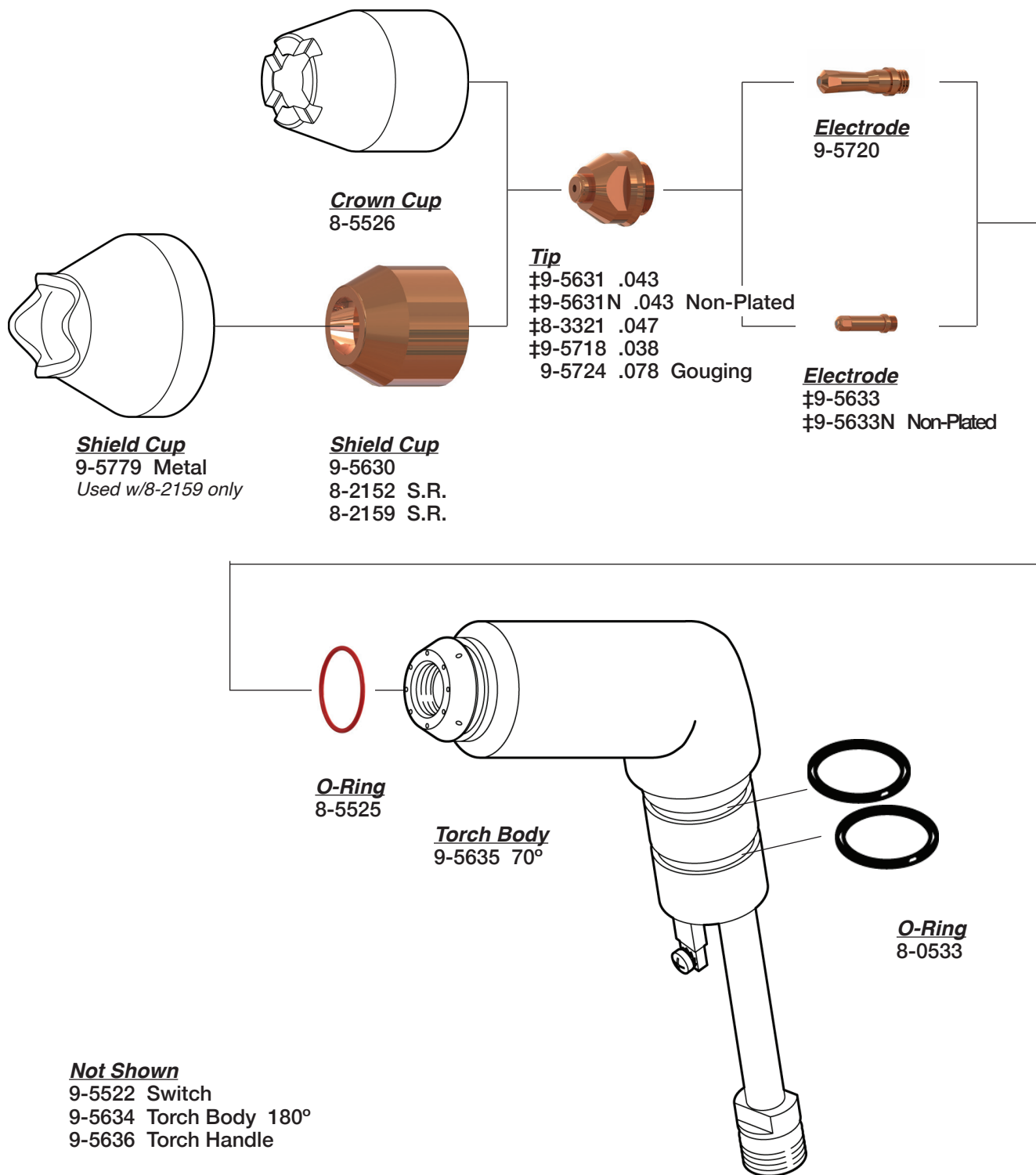
**O-Ring**  
8-5514

**Not Shown**

8-5512 Wrench  
\*8-5501 Torch Body 70°

**THERMAL DYNAMICS<sup>®</sup>**

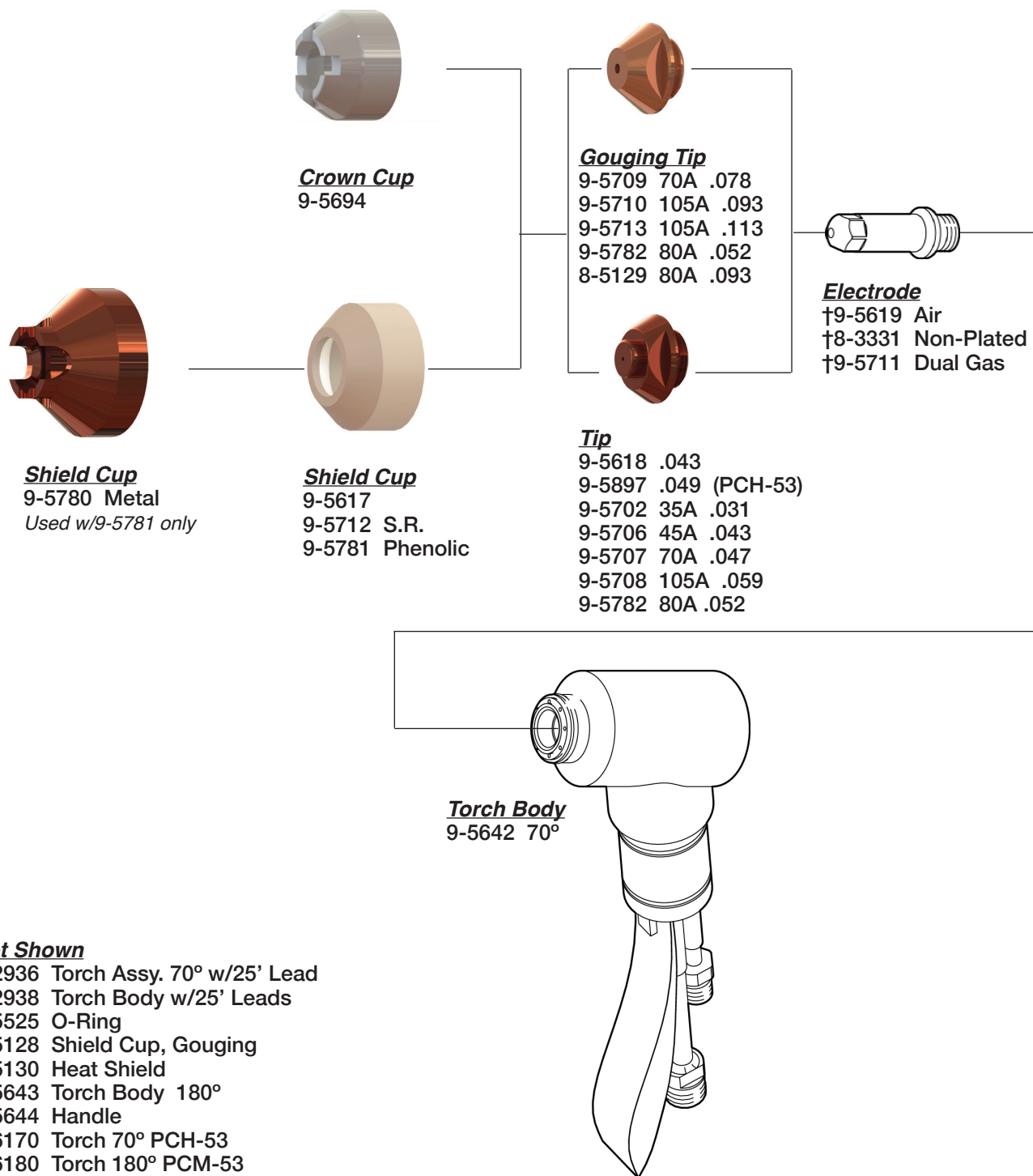
**THERMAL DYNAMICS<sup>®</sup> PCH-51 3XR<sup>™</sup>, 4XI<sup>™</sup>, 5XR<sup>™</sup>**

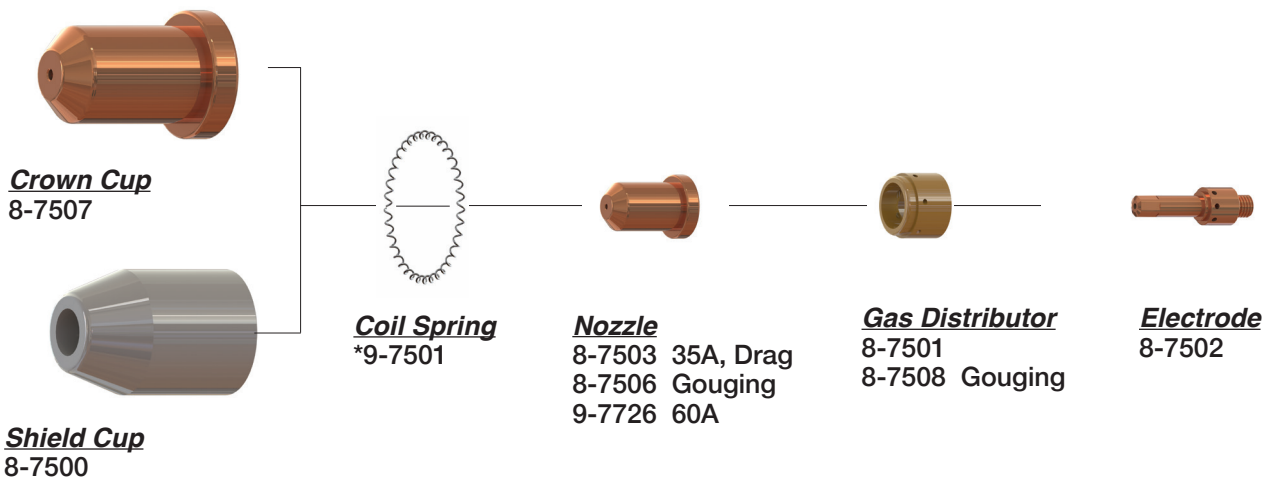


**THERMAL DYNAMICS®**

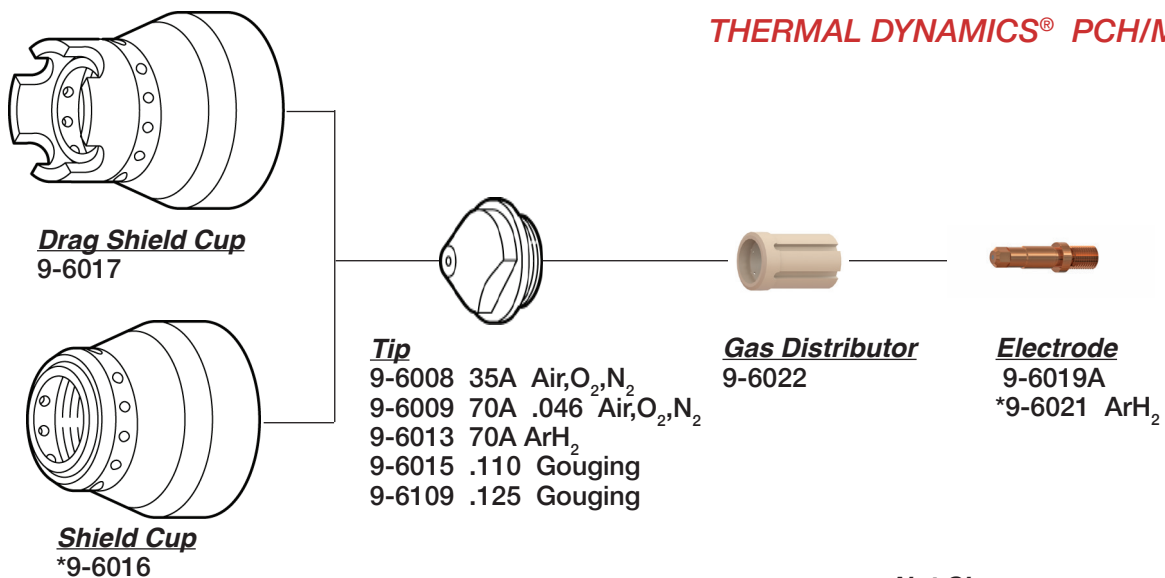
**THERMAL DYNAMICS® PCH-52, PCH-53 PAK5XR™, DG & 10XR™**

**PLASMA**



**THERMAL DYNAMICS®**
**THERMAL DYNAMICS® PCH/M-60**

**Not Shown**

- \*8-7525 Hi. Vis Shield
- \*9-8073 Torch Head 180°
- \*9-8075 Torch Head 70°

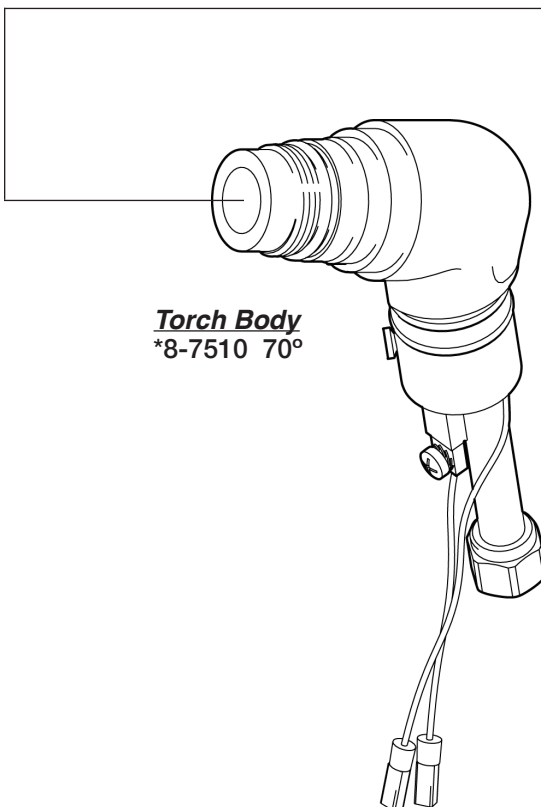
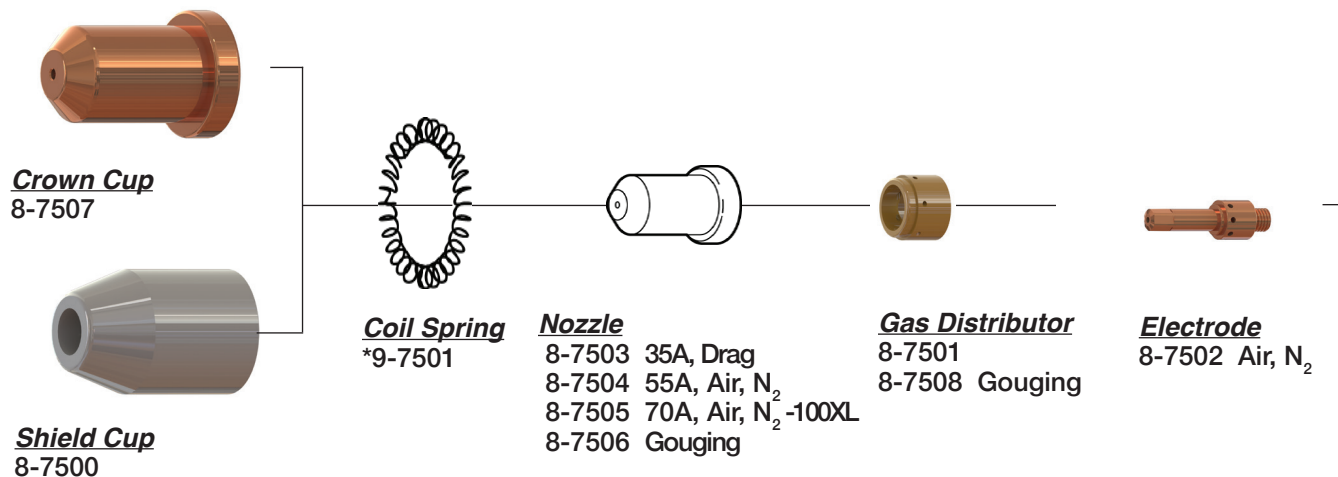
**THERMAL DYNAMICS® PCH/M-70**

**Not Shown**

- \*9-5810 Torch Head, 70°
- \*9-5812 Torch Head, 180°
- \*9-6018 Shield Cup

**THERMAL DYNAMICS<sup>®</sup>**

**THERMAL DYNAMICS<sup>®</sup> PCH/M-75/100XL**

**PLASMA**

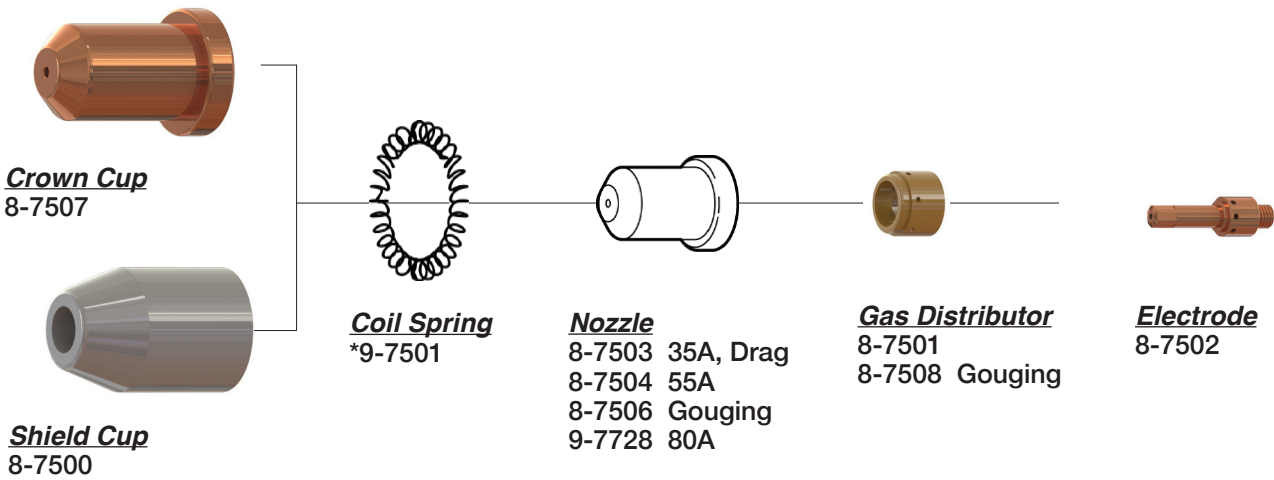


**Not Shown**

- 2-0001 Torch 70° W/25' Lead
- \*8-7511 Torch Body 90°
- \*8-7512 Torch Body 180°
- \*8-7525 Hi. Vis Shield

**THERMAL DYNAMICS<sup>®</sup>**

**THERMAL DYNAMICS<sup>®</sup> PCH/M-80**



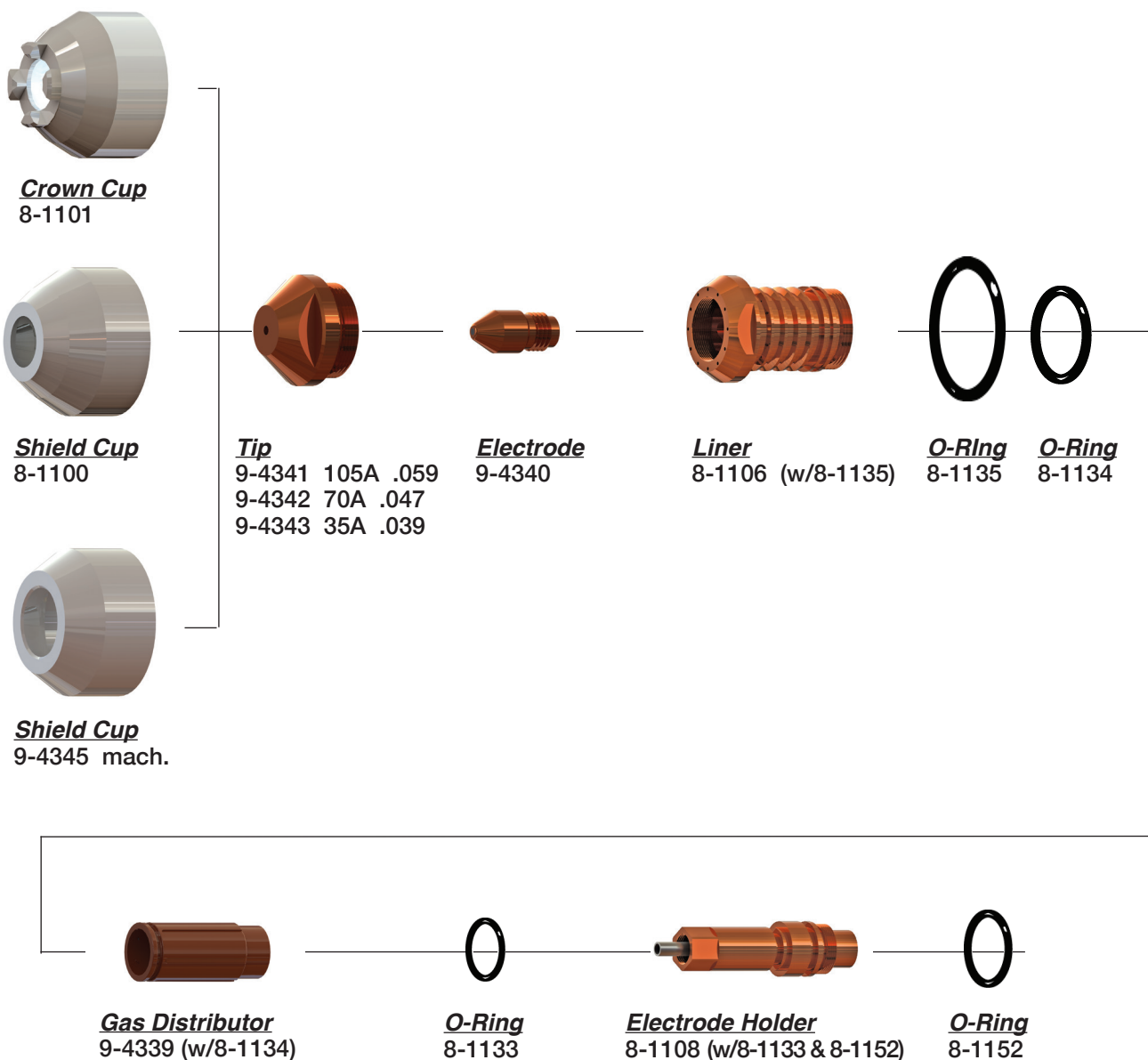
**Not Shown**

- 2-0080 Torch 70° W/25' Lead
- \*8-7525 Hi. Vis. Shield
- \*9-8073 Torch Head 180°
- \*9-8075 Torch Head 70°

**THERMAL DYNAMICS<sup>®</sup>**

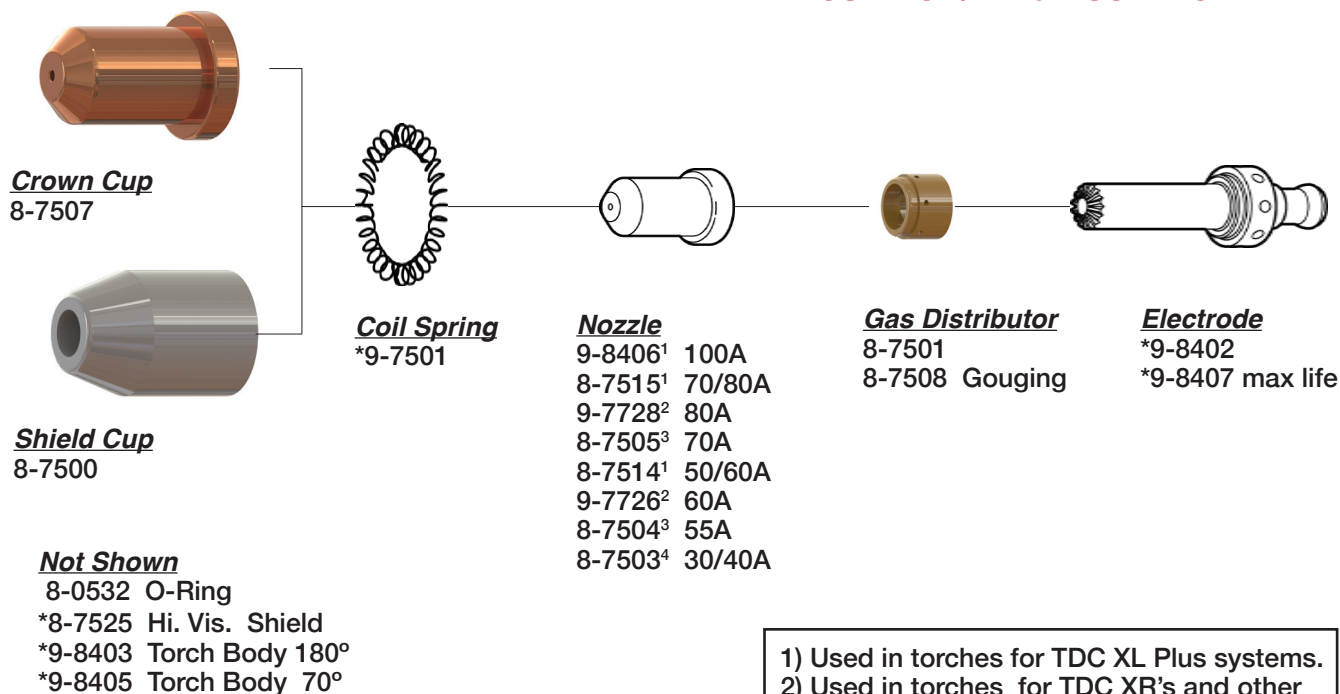
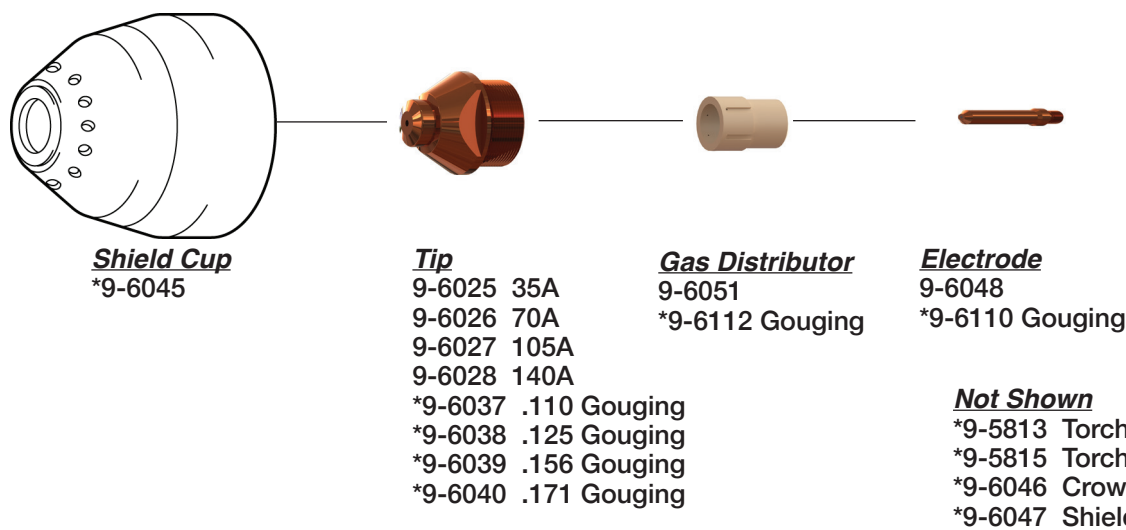
**THERMAL DYNAMICS<sup>®</sup> PCH-100 PAK<sup>™</sup> 10XR**

**PLASMA**



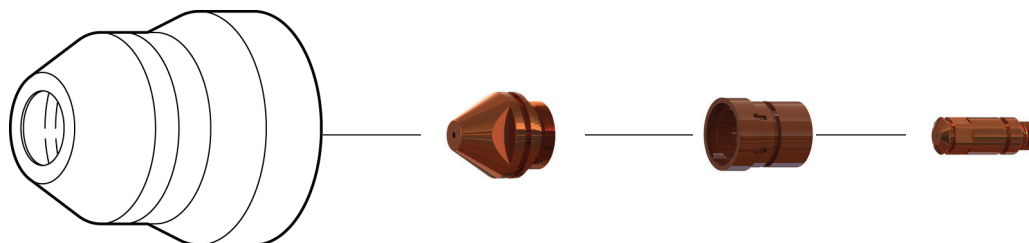
**Not Shown**

- 8-1109 Wrench
- 8-1110 Wrench
- 8-1111 Wrench
- \*8-1112 Torch Head, 180°
- \*8-1113 Torch Head, 70°

**THERMAL DYNAMICS®****THERMAL DYNAMICS® PCH/M-102 SURELOK™ RPT****THERMAL DYNAMICS® PCH/M-140**

**THERMAL DYNAMICS<sup>®</sup>**

**THERMAL DYNAMICS<sup>®</sup> PCH/M-145**



**Shield Cup**  
\*9-6075

**Tip**  
9-6055 35A  
9-6056 70A  
9-6057 105A  
9-6058 140A

**Gas Distributor**  
9-6081

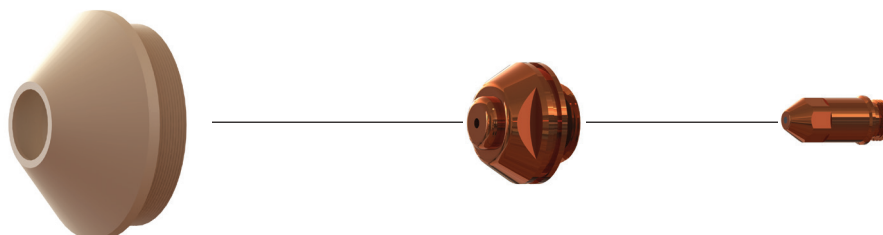
**Electrode**  
9-6078A Air  
\*9-6129 N<sub>2</sub>  
\*9-6130 Gouging

**Not Shown**

\*9-5816 Torch Body 70°  
\*9-6076 Crown Cup  
\*9-6077 Gouging Shield Cup  
\*9-6410 Torch Body 180°

\*9-6067 .110 Gouging  
\*9-6068 .125 Gouging  
\*9-6069 .156 Gouging  
\*9-6070 .171 Gouging

**THERMAL DYNAMICS<sup>®</sup> PCH/M-150 MERLIN 15XC**



**Shield Cup**  
9-5750 Ceramic Frt.-Std.  
9-5758 Tip Ext.  
9-5774 Gouging  
9-5790 Metal Frt.-Std.  
9-5801 Copper  
9-5774T  
9-5758T  
9-5750T  
9-5790CT  
9-5750B  
9-5790B

**Tip**  
9-5746 150A .070 Air  
9-5747 100A .050 Air  
9-5748 50A .043 Air  
9-5751 150A .070 O<sub>2</sub>  
9-5752 100A .052 O<sub>2</sub>  
9-5753 50A .043 O<sub>2</sub>  
9-5767 150A .016 N<sub>2</sub>  
9-5766 100A .052 N<sub>2</sub>  
9-5765 50A .043 N<sub>2</sub>  
9-5755 150A .120 N<sub>2</sub> Gouging  
9-5756 85A .078 N<sub>2</sub> Gouging

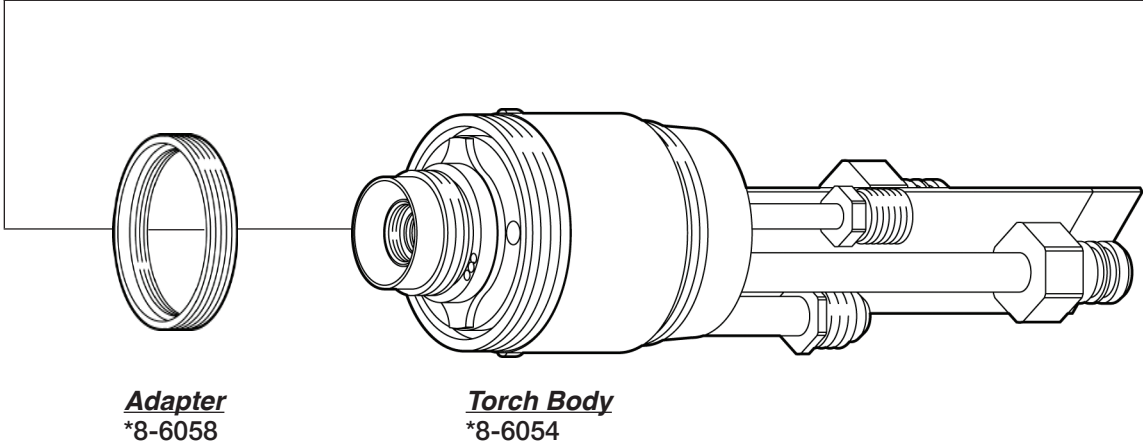
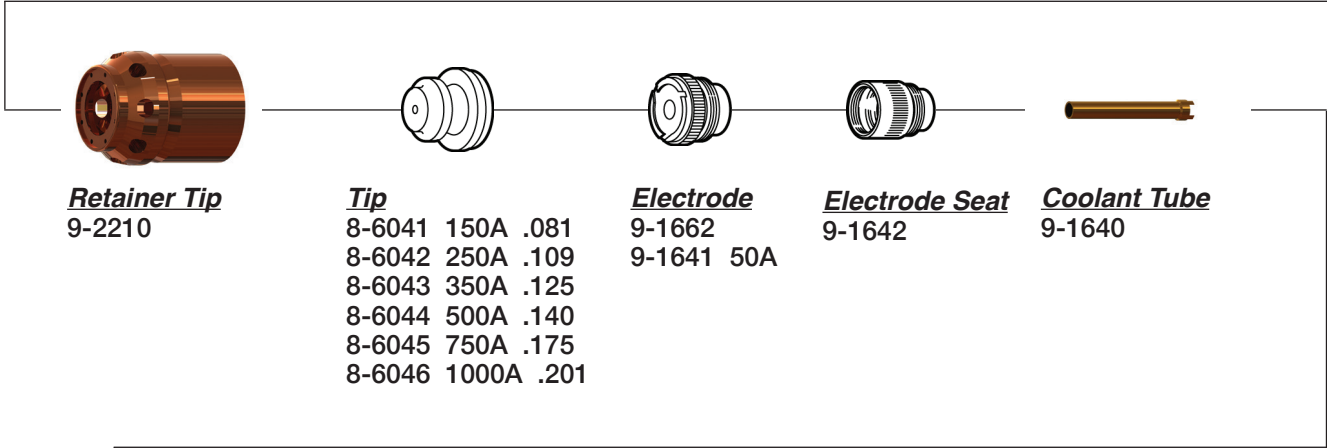
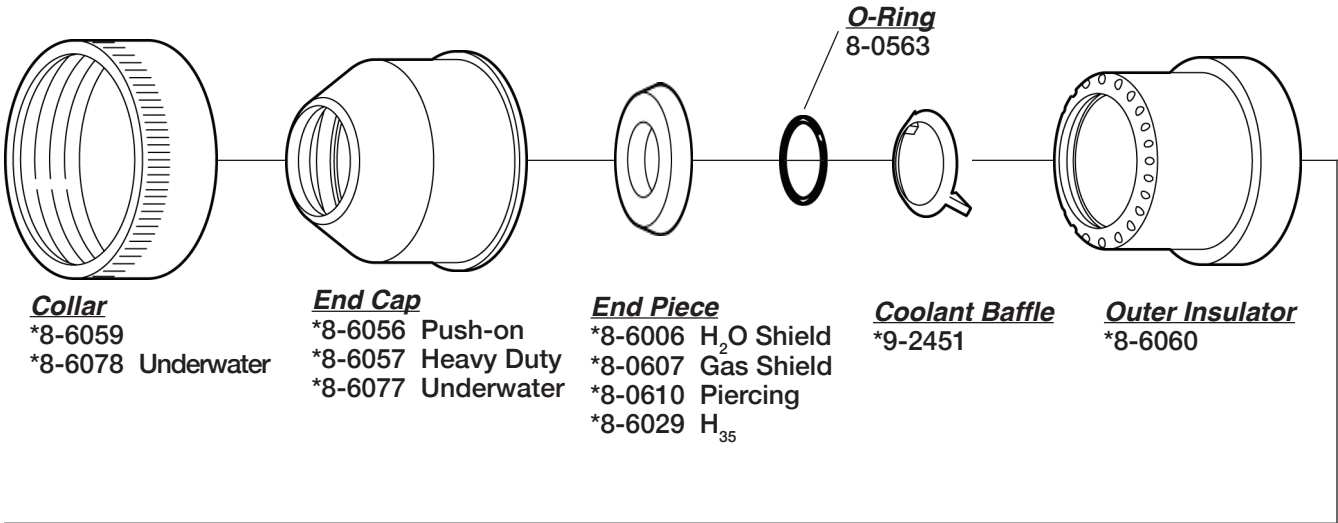
**Electrode**  
9-5749 Air  
9-5754 N<sub>2</sub>-ArH<sub>2</sub>  
9-5760 O<sub>2</sub>

**Not Shown**

8-0557 O-Ring (Sml. Shield Cup)  
8-5507 O-Ring (Lrg. Shield Cup)  
9-5743 Torch Body 70°  
9-5745 Torch Body 180°

**THERMAL DYNAMICS<sup>®</sup>**

**THERMAL DYNAMICS<sup>®</sup> PCH/M-200**

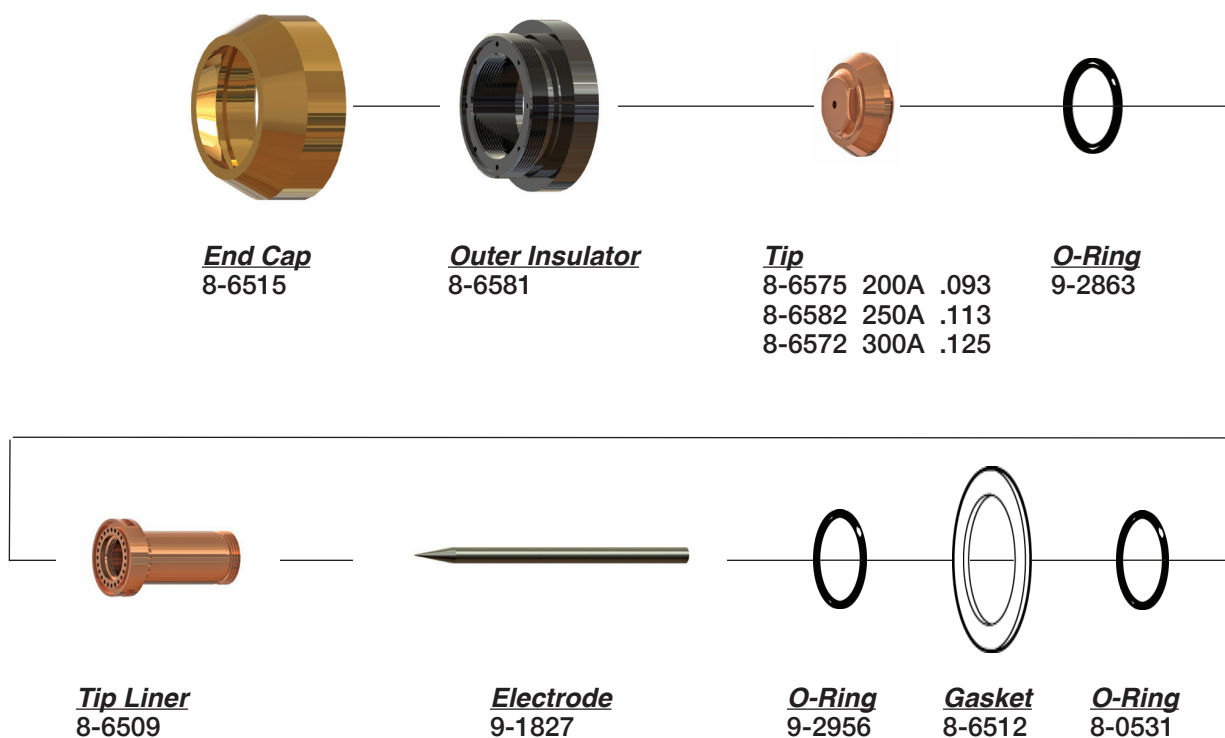


American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

**THERMAL DYNAMICS<sup>®</sup>**

**THERMAL DYNAMICS<sup>®</sup> PWM-300**

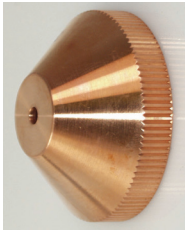
**PLASMA**



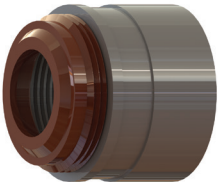
**Not Shown**

8-0534 O-Ring  
\*8-6517 Tip/Liner Wrench

THERMAL DYNAMICS<sup>®</sup>



**Shield Cup Shield**  
20-1004 100-225A  
20-1005 300A  
20-1006 100-300A



**Shield Cup**  
20-1002



**Tip**  
20-1031 100A  
20-1032 150A  
20-1033 225A  
20-1034 300A



**Gas Distributor**  
20-1009 300A

**Gas Distributor**  
20-0008 50/225A



**Electrode**  
20-1016 150A  
20-1017 225A  
20-1018 300A  
20-1021

**Not Shown**

- \*9-6410 Torch Body
- \*20-0001 Consumable Wrench

THERMAL DYNAMICS<sup>®</sup> TD 750

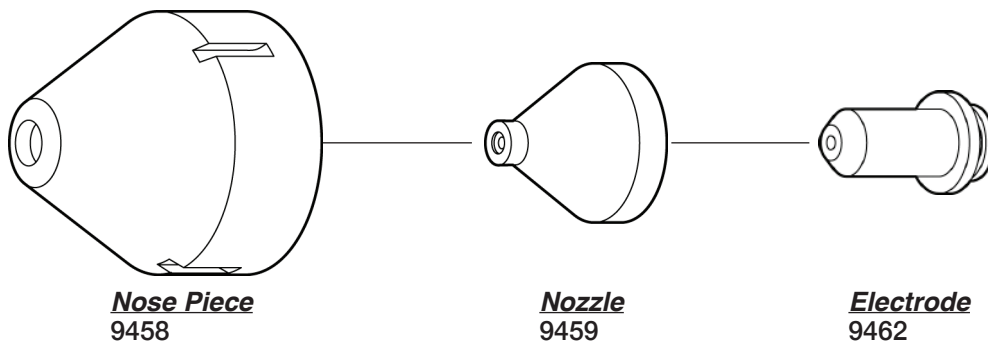


**Tip**  
9-6055 35A  
9-6056 70A  
9-6057 105A  
9-6423 .037  
9-6424 70A

**WEIDEMANN®**

**WEIDEMANN® IC100**

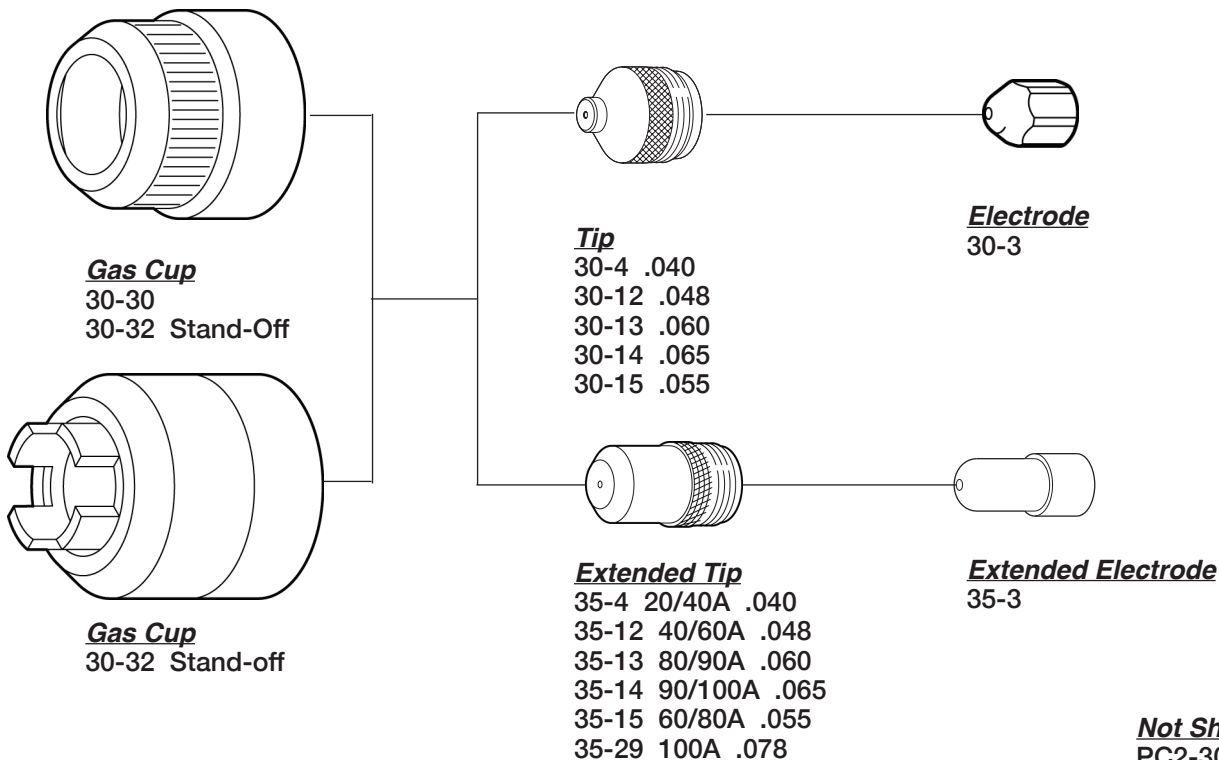
**PLASMA**



**Not Shown**

9460 O-Ring  
9463 O-Ring  
9465 O-Ring  
9466 O-Ring  
9468 O-Ring  
9475 O-Ring  
9480 Packing  
9481 Packing

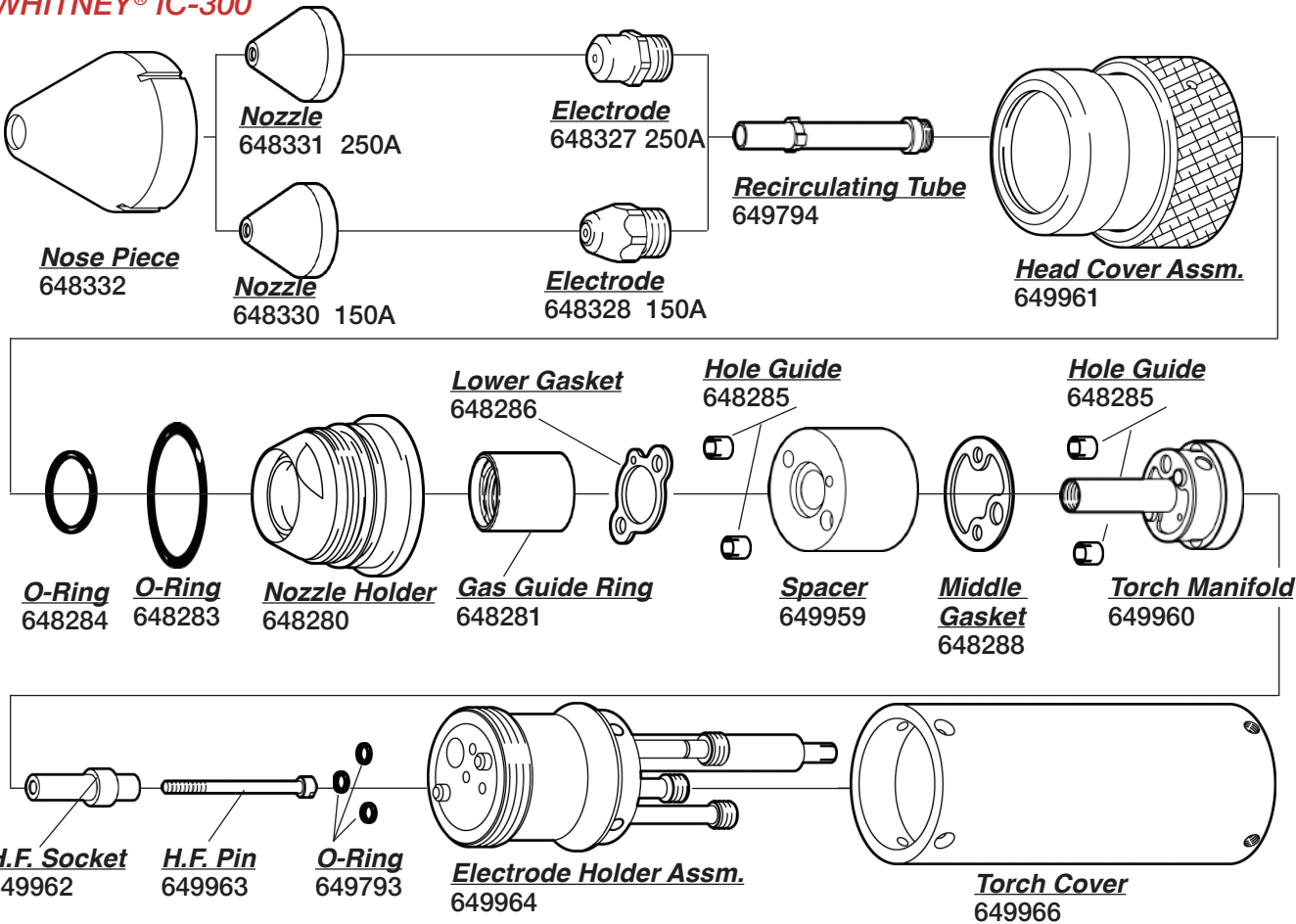
**WELDCRAFT® PC30**



WHITNEY®

WHITNEY® IC-300

PLASMA



IC300 Cutting Table - Air Plasma & Water Shield

Nozzle	Gas	Amps	Standoff for Cutting	Air Pressure	Plate Thickness		Cut Speed (in./min.)	
							Carbon/ss	Aluminum
648330	Air-Oxygen	90	3 mm	65 psi	20 ga.	0.8 mm	260	300
			3 mm	65 psi	18 ga.	1.2 mm	260	300
		100	4 mm	65 psi	1/16 in.	1.6 mm	250	280
648331	Air-Oxygen	120	5 mm	115 psi	1/8 in.	3.0 mm	220	250
		170	7 mm	115 psi	3/16 in.	4.8 mm	190	235
		220	8 mm	115 psi	1/4 in.	6.0 mm	150	220
		250			1/2 in.	12.5 mm	80	160
					5/8 in.	16.0 mm	65	130
					3/4 in.	19.0 mm	55	110
					1 in.	25.0 mm	35	90
					1-1/8 in.	28.0 mm	30	80
					1-1/4 in.	32.0 mm	25	65

Not Shown

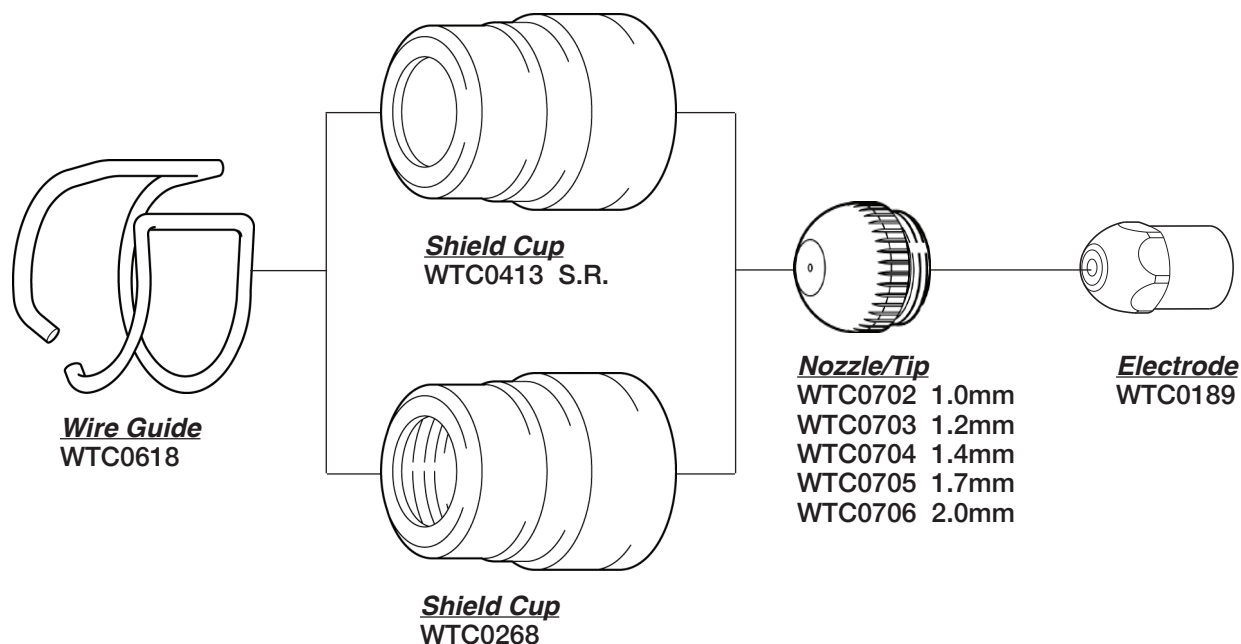
- 643722 IC-300 Torch Comp.
- 648282 Gasket Spacer
- 648310 Fitting, Argon Hose
- 648312 Fitting, H<sup>2</sup>O Hose In
- 648313 Fitting, H<sup>2</sup>O Hose Out
- 648317 Screw, Cone
- 648318 Screw, Flat
- 648333 Screw, Cone/Nylon
- 649150A Gas Fitting, 150A
- 649797 Front Section
- 649965 Gas Fitting, 250A
- 827260 Socket Collar
- 827261 Plug B

**NOTE:** For the material you are cutting, set initial torch height (before piercing) to approximately twice the Stand-off Distance. 1 scfh = 28.316 liter/hour, 1 psi = .0689 bar = 6.895 Kpa. This information represents our best judgement but American Torch Tip assumes no liability for its use.

American Torch Tip Company is in no way affiliated with the above-named original equipment manufacturer(s) ("OEM"). References to the above-named machines, torches, and numbers are for your reference only. Most parts advertised for sale are made by or for American Torch Tip, and other parts as indicated, are original parts manufactured by above-named OEM and are simply being re-sold by American Torch Tip. Footnotes: \* = OEM; # = American Torch Tip is licensed to make and sell this part by named manufacturer; ATTC and ATT suffix = This part is an original American Torch Tip design and is not manufactured identical to the OEM design; ® indicates a registered trademark, trade name, or product name of the above-named company. PHD®, PHDX™, Lightning®, Waltec™, Integra™, Lasertec Laser Division of American Torch Tip®, Multi-Use™ and ProMix™ are trademarks owned by American Torch Tip Company. © Copyright 2018, American Torch Tip Company

**WTC<sup>®</sup> M100, 150**

**PLASMA**



American Torch Tip Co. (ATTC) warrants its products to the original end user for the periods listed below:

PLASMA	MIG
<b>LIFETIME</b> *PHD and PHDX Torch Bodies	<b>LIFETIME</b> *Lightning® Handle and Trigger Switch  <b>ONE YEAR</b> *Lightning® Semi-Automatic MIG Guns *Lightning® Robotic MIG Guns *Lightning® Fixed Automation MIG Guns  <b>180 DAYS</b> *All Other Gun Models
GAS APPARATUS	TIG
<b>THREE YEARS</b> *Complete Oxy-Fuel Kit Components *Regulators/Flowmeters/Flowregulators *Torches, Handles & Cutting Attachments	<b>ONE YEAR</b> *TIG Torches
THERMAL SPRAY	
<b>ONE YEAR</b> *Thermal Spray Guns	

\*Limited Warranty on Manufacturing and Material Defects. Warranty Terms Do Not Apply to Consumable Products.

### Warranty Terms

This warranty shall not apply to any product that has been modified or used in a manner inconsistent with ATTC's installation instructions and operating guidelines. Within the warranty periods listed above and at ATTC's sole discretion, ATTC will repair or replace any warranted parts or components that fail due to such defects in material or workmanship. ATTC must be notified within thirty (30) days of such defect or failure, at which time ATTC will determine if a Return Goods Authorization (RGA) is justified and issue an RGA number, authorization of a RGA number shall not be unreasonably withheld. ATTC will supply a RGA form, which must be included with the returned products for inspection by ATTC. Shipping and packing costs shall be the responsibility of the party returning the goods. Once received, ATTC shall inspect and determine if a warranty claim is justified and at ATTC's sole discretion authorize a repair or replacement. Once authorization has been granted ATTC shall provide instructions on the warranty claim procedures to be followed. Where authorized, repair or replacement constitutes the sole remedy for breach of warranty and expressly excludes claims for lost revenue, down time and other consequential damages. The warranty is limited to the conditions stated above and excludes, to the fullest extent permitted by law, all conditions, warranties and representations express or implied by statute, law or otherwise in relation to the supply or delay in supplying the goods/services. There are no agreements, promises or understandings, either verbal or written that are not fully expressed in this warranty. This warranty may be amended or altered only if agreed to in writing and signed by ATTC.

New for for ESAB® PT-36, PT36XR & PT600!

**CleanCut**

Next-Generation Plasma Consumables  
From American Torch Tip

**BURN LONGER.  
CUT CLEANER.**

**CleanCut**

*Designed to Work Together*

**CleanCut™ Electrode**

**Extend Electrode Life**

- More efficient cooling
- Extended hafnium electrode life
- 25% – 50% longer production time

**Prevent Nozzle Damage**

- Cooler silver electrodes diminish nozzle damage
- Nozzles paired with silver electrodes last longer

**CleanCut™ Rocket Nozzle**

(patent pending)

**Supercharge the Plasma Arc**

- Smooth-bore configuration reduces turbulence
- Stabilizes and accelerates the plasma arc column
- Produces ultra-smooth cuts

**CleanCut**

Click here to sign up for a **FREE TRIAL!**

AMERICAN  
TORCH TIP **ATTC**

# Plasma Index

## Symbols

2-0001 .....	135	8-4011 .....	125	8-5526 .....	132	8-6654 .....	127
2-0080 .....	136	8-4012 .....	125	8-6006 .....	140	8-7035 .....	129
2-2936 .....	133	8-4024 .....	125	8-6029 .....	140	8-7500 .....	134, 135, 136, 138
2-2938 .....	133	8-4029 .....	125	8-6041 .....	140	8-7501 .....	134, 135, 136, 138
6-32X .....	28, 29, 32	8-4040 .....	125	8-6042 .....	140	8-7502 .....	135, 136
8-0525 .....	125, 126	8-4045 .....	125	8-6043 .....	140	8-7502ATTC .....	134
8-0527 .....	124, 128	8-4049 .....	125	8-6044 .....	140	8-7503 .....	134, 135, 136, 138
8-0528 .....	125	8-4050 .....	125, 126	8-6045 .....	140	8-7504 .....	135, 136, 138
8-0530 .....	125, 126, 129	8-4053 .....	125	8-6046 .....	140	8-7505 .....	135, 138
8-0531 .....	128, 141	8-4064 .....	125	8-6054 .....	140	8-7506 .....	135, 136
8-0532 .....	138	8-4069 .....	125, 126	8-6056 .....	140	8-7507 .....	134, 135, 136, 138
8-0533 .....	132	8-4073 .....	125, 126	8-6057 .....	140	8-7508 .....	134, 135, 136, 138
8-0534 .....	127, 141	8-4087 .....	125	8-6058 .....	140	8-7510 .....	135
8-0554 .....	125, 126	8-4088 .....	125, 126	8-6059 .....	140	8-7511 .....	135
8-0557 .....	139	8-4091 .....	125	8-6060 .....	140	8-7512 .....	135
8-0560 .....	125	8-4153 .....	125, 126	8-6077 .....	140	8-7514 .....	138
8-0563 .....	140	8-4154 .....	126	8-6078 .....	140	8-7515 .....	138
8-0607 .....	140	8-4156 .....	126	8-6500 .....	127	8-7525 .....	134, 135, 136, 138
8-0610 .....	140	8-4157 .....	126	8-6502 .....	127	9-1640 .....	140
8-1100 .....	137	8-4158 .....	125, 126	8-6509 .....	127, 141	9-1641 .....	140
8-1101 .....	137	8-4159 .....	126	8-6510 .....	127	9-1642 .....	140
8-1106 .....	137	8-4160 .....	126	8-6512 .....	127, 128, 141	9-1662 .....	140
8-1108 .....	137	8-4170 .....	126	8-6514 .....	127, 128	9-1747 .....	124
8-1109 .....	137	8-4171 .....	126	8-6515 .....	127, 128, 141	9-1775 .....	124
8-1110 .....	137	8-4172 .....	126	8-6517 .....	128, 141	9-1779 .....	124
8-1111 .....	137	8-4173 .....	126	8-6520 .....	127	9-1782 .....	124
8-1112 .....	137	8-4182 .....	126	8-6523 .....	127	9-1783 .....	124
8-1113 .....	137	8-4189 .....	126	8-6526 .....	127	9-1784 .....	124
8-1133 .....	137	8-4196 .....	126	8-6527 .....	127	9-1785 .....	124
8-1134 .....	137	8-4197 .....	126	8-6528 .....	127	9-1788 .....	124
8-1135 .....	137	8-4198 .....	126	8-6531 .....	127	9-1789 .....	124
8-1152 .....	137	8-4211 .....	126	8-6533 .....	127	9-1790 .....	124
8-2152 .....	132	8-4212 .....	126	8-6539 .....	127	9-1791 .....	124
8-2159 .....	132	8-4213 .....	125, 126	8-6541 .....	127	9-1795 .....	124
8-3030 .....	124	8-5031 .....	127	8-6542 .....	127	9-1803 .....	124
8-3040 .....	124	8-5128 .....	133	8-6547 .....	127	9-1827 .....	125, 141
8-3052 .....	124	8-5129 .....	133	8-6548 .....	127	9-1834 .....	125
8-3053 .....	124	8-5130 .....	133	8-6549 .....	127	9-1846 .....	125
8-3146 .....	128	8-5501 .....	131	8-6565 .....	127	9-1847 .....	125
8-3214 .....	129	8-5502 .....	131	8-6569 .....	128		9-1848
8-3218 .....	129	8-5503 .....	131	8-6571 .....	128	Plasma .....	125
8-3220 .....	129	8-5504 .....	131	8-6572 .....	128, 141	9-1849 .....	125
8-3233 .....	129	8-5505 .....	131	8-6573 .....	128	9-1876 .....	125
8-3321 .....	132	8-5506 .....	131	8-6574 .....	128	9-1890 .....	125
8-3331 .....	133	8-5507 .....	131, 139	8-6575 .....	128, 141	9-1891 .....	125
8-4007 .....	126	8-5508 .....	131	8-6577 .....	128	9-1892 .....	125
		8-5510 .....	131	8-6578 .....	128	9-2204 .....	125
		8-5512 .....	131	8-6580 .....	128	9-2210 .....	140
		8-5514 .....	131	8-6581 .....	127, 128, 141	9-2240 .....	124
		8-5515 .....	131	8-6582 .....	128, 141	9-2421 .....	125, 126
		8-5519 .....	131	8-6586 .....	128	9-2451 .....	140
		8-5520 .....	131	8-6587 .....	128	9-2863 .....	127, 128, 141
		8-5521 .....	131	8-6615 .....	128	9-2956 .....	127, 128, 141
		8-5525 .....	132, 133	8-6648 .....	128	9-2960 .....	126, 128

9-4339 .....	137	9-5754 .....	139	9-6048 .....	138	20-1021ATTC .....	142
9-4340 .....	137	9-5755 .....	139	9-6051 .....	138	20-1031 .....	142
9-4341 .....	137	9-5756 .....	139	9-6055 .....	139, 142	20-1032 .....	142
9-4342 .....	137	9-5758 .....	139	9-6056 .....	139, 142	20-1033 .....	142
9-4343 .....	137	9-5760 .....	139	9-6057 .....	139, 142	20-1034 .....	142
9-4345 .....	137	9-5765 .....	139	9-6058 .....	139, 142	23-6301 .....	118
9-5500 .....	129	9-5766 .....	139	9-6060 .....	124	23-6302 .....	118
9-5501 .....	129	9-5767 .....	139	9-6067 .....	139	23-6303 .....	118
9-5503 .....	129	9-5774 .....	139	9-6069 .....	139	24-7301 .....	118
9-5504 .....	129	9-5779 .....	132	9-6070 .....	139	24-7302 .....	118
9-5505 .....	129	9-5780 .....	133	9-6075 .....	139	24-7304 .....	118
9-5509 .....	129	9-5781 .....	133	9-6076 .....	139	25-8301 .....	119
9-5512 .....	129	9-5782 .....	133	9-6077 .....	139	25-8302 .....	119
9-5522 .....	132	9-5790 .....	139	9-6078A .....	139	25-8303 .....	119
9-5581 .....	129	9-5790B .....	139	9-6081 .....	139	25-8304 .....	119
9-5582 .....	129	9-5790CT .....	139	9-6109 .....	134	30-3 .....	143
9-5617 .....	133	9-5801 .....	139	9-6110 .....	138	30-4 .....	143
9-5618 .....	133	9-5807 .....	130	9-6112 .....	138	30-12 .....	143
9-5619 .....	133	9-5809 .....	130	9-6129 .....	139	30-13 .....	143
9-5630 .....	132	9-5810 .....	134	9-6130 .....	139	30-14 .....	143
9-5631 .....	132	9-5812 .....	134	9-6170 .....	133	30-15 .....	143
9-5631N .....	132	9-5813 .....	138	9-6180 .....	133	30-30 .....	119, 143
9-5633 .....	132	9-5815 .....	138	9-6410 .....	139, 142	30-32 .....	119, 143
9-5633N .....	132	9-5816 .....	139	9-6424 .....	142	35-3 .....	143
9-5634 .....	132	9-5897 .....	133	9-6500 .....	130, 131	35-4 .....	143
9-5635 .....	132	9-6000 .....	130	9-6501 .....	130, 131	35-12 .....	143
9-5636 .....	132	9-6001 .....	130	9-6502 .....	130	35-13 .....	143
9-5642 .....	133	9-6002 .....	131	9-6503 .....	130	35-14 .....	143
9-5643 .....	133	9-6003 .....	130, 131	9-6506 .....	130, 131	35-15 .....	143
9-5644 .....	133	9-6004 .....	130, 131	9-6507 .....	130, 131	35-29 .....	143
9-5694 .....	133	9-6006 .....	129, 130	9-7501 .....	134, 135, 136, 138	55-0162 .....	16
9-5706 .....	133	9-6007 .....	130	9-7726 .....	134, 138	55-0163 .....	16
9-5707 .....	133	9-6008 .....	134	9-7728 .....	136, 138	55-0173 .....	14
9-5708 .....	133	9-6009 .....	134	9-8053 .....	131	55-0176 .....	14
9-5709 .....	133	9-6013 .....	134	9-8055 .....	131	55-0179 .....	14
9-5710 .....	133	9-6015 .....	134	9-8073 .....	134, 136	55-0180 .....	14
9-5711 .....	133	9-6016 .....	134	9-8075 .....	134, 136	55-0181 .....	14
9-5712 .....	133	9-6017 .....	134	9-8402 .....	138	55-0197 .....	14
9-5713 .....	133	9-6018 .....	134	9-8403 .....	138	55-0198 .....	14
9-5718 .....	132	9-6019A .....	134	9-8405 .....	138	55-0200 .....	15
9-5720A .....	132	9-6021 .....	134	9-8406 .....	138	55-0202 .....	14
9-5724 .....	132	9-6022 .....	134	9-8407 .....	138	55-0304 .....	14
9-5743 .....	139	9-6025 .....	138	14K05 .....	33	55-0307 .....	14, 15
9-5745 .....	139	9-6026 .....	138	20-0001 .....	142	55-0308 .....	14
9-5746 .....	139	9-6027 .....	138	20-0008 .....	142	55-0313 .....	14
9-5747 .....	139	9-6028 .....	138	20-1002 .....	142	55-0344 .....	15
9-5748 .....	139	9-6037 .....	138	20-1004 100-225A .....	142	55-0398 .....	14, 15
9-5749 .....	139	9-6038 .....	138	20-1005 300A .....	142	55-0405 .....	15
9-5750 .....	139	9-6039 .....	138	20-1006 100-300A .....	142	55-0406 .....	15
9-5750B .....	139	9-6040 .....	138	20-1009 .....	142	55-0407 .....	15
9-5751 .....	139	9-6045 .....	138	20-1016ATTC .....	142	55-0431 .....	16
9-5752 .....	139	9-6046 .....	138	20-1017ATTC .....	142	55-0433 .....	15
9-5753 .....	139	9-6047 .....	138	20-1018ATTC .....	142	55-0435 .....	15

55-0436	15	60-0339	10	65-0432-007	95	90-0188	4, 5, 7, 8, 67
55-0439	15	60-0340	10, 11, 14, 15	65-0432-008	95	90-0189	4, 5, 7, 8
55-0440	15	60-0342	11	65-0432-013	95	90-0197	4, 7
55-0510	14	60-0343	11	65-0432-021	95, 96	90-0198	4, 7, 67
55-0541	15	60-0344	11	65-0432-555	95	90-0201	4, 5, 7, 8, 67
55-0542	15	60-0345	11	65-0434-007	97	90-0202	4, 5, 7, 8, 67
55-0545	15	60-0346	11	65-0434-008	97, 98	90-0307	4, 7, 67
55-0552	14	60-0347	11	65-0434-012	97	90-0308	4, 5, 7, 8
55-0553	14	60-0353	11	65-0434-015	97, 98, 99	90-0337	4, 5, 7, 8, 67
55-0554	14	60-0354	11	65-0434-016	97, 99	90-0338	4, 5, 7, 8, 67
55-0555	14	60-0355	11	65-0434-017	97	90-0339	4, 5, 7, 8, 67
55-0603	14, 15	60-0356	11	65-0434-018ATTC	98	90-0340	4, 5, 7, 8
55-0606	14, 15	60-0398	10, 11	65-0434-019	97	90-0343	4, 7
55-0607	15	60-0405	11	65-0434-020	97, 98, 99	90-0346	4, 7
55-0608	14, 15	60-0406	11	65-0434-021	97, 99	90-0352	4, 7
55-0609	14, 15	60-0407	11	65-0434-022	97, 98	90-0353	4, 5, 7
55-0645	14	60-0433	11	65-0434-023	97	90-0354	4, 7
55-0646	14	60-0435	11	65-0436-002	96	90-0405	4, 5, 7, 8
55-0649	14	60-0436	11	65-0436-003ATTC	96	90-0406	4, 7
55-0656	14	60-0439	11	65-0436-004	96	90-0435	4, 7
55-0894	16	60-0440	11	65-0436-005	96	90-0436	4, 7
55-0901	14	60-0541	11	65-0436-006	96	90-0439	4, 7
55-0983	14	60-0545	10, 11	65-0436-007	96	90-0552	4, 5, 7, 8, 67, 68
55-0998	15	60-0552	10	65-0436-008	96	90-0553	4, 5, 7, 8, 67, 68
55-8546	16	60-0553	10	65-0438-002	98	90-0554	4, 5, 7, 8
55-8547	16	60-0554	10	65-0438-003	98	90-0555	4, 5, 7, 8, 67, 68
55-9901	13	60-0555	10	65-0438-004	98	90-0571	5, 7, 8
55-9903	13	60-0571	10, 11, 14, 15	65-0438-005	98	90-0637	4, 5, 7, 8
55-9905	13	60-0603	10, 11	65-0438-013	97	90-0658	5
60-0000	5, 8, 16	60-0606	10, 11	65-0439-003	101	90-0659	5
60-0173	10	60-0607	11	65-0439-005	101	90-0662	5
60-0176	10	60-0608	10, 11	65-0439-006	101	90-0700	5, 8
60-0179	10	60-0609	10, 11	65-0439-007	101	90-0705	5, 8
60-0180	10	60-0646	10	65-0439-008	101	90-0706	5, 8
60-0181	10	60-0649	10	65-0439-012	101	90-0708	7
60-0182	10	60-0656	10	65-0442-001	97, 98, 99	90-0709	7
60-0183	10	60-0700	11, 14	65-0442-001-AG	97, 98, 99	90-0747	4, 5, 7, 8, 67
60-0187	10	60-4119	5, 8, 16	65-0442-002	99	90-0754	4, 5, 7, 8, 67
60-0188	10	60-9901	9, 13	65-0442-003ATTC	97, 99	90-0755	4, 5, 7, 8, 67
60-0189	10	60-9902	9	65-0442-004	99	90-0756	4, 5, 7, 8, 67
60-0192	10	60-9903	9, 13	65-0442-005	99	90-0757	4, 7
60-0193	10	60-9904	9	65-0442-006	98, 99	90-0758	4, 7
60-0194	10	60-9905	9	65-0442-009	99	90-0759	4, 7
60-0197	10	60-9907	9, 13	65-0442-118	99	90-0760	4, 7
60-0198	10	60-9910	9, 13	86W85	28, 29, 32	90-0761	4, 7
60-0201	10	65-0430-020	97, 98	86W99	43	90-0762	4, 7
60-0202	10	65-0430-022	95, 96	90-0065	4, 67	90-0763	4, 7
60-0304	10	65-0432-001	95	90-0179	4, 5, 7, 8, 67	90-0764	4, 7
60-0307	10, 11	65-0432-002	95	90-0180	4, 5, 7, 8, 67	90-0788	5, 8
60-0308	10	65-0432-003	95	90-0181	4, 5, 7, 8	90-0789	5, 8
60-0313	10	65-0432-004	95	90-0182	4, 5, 7, 8, 67	90-0790	5, 8
60-0337	10	65-0432-005	95	90-0183	4, 5, 7, 8, 67	90-2601	51-160
60-0338	10	65-0432-006ATTC	95	90-0187	4, 5, 7, 8	90-2602	51-160

90-4000	51-160	334-279-100	23	742.0083	17	894-LE	26
90-7900	6	334-280-100	23	742.0084	17	896-LE	26
90-7901	3, 6	334-287-905	23	742.0086	17	969-95-30130	101
90-7902	3, 6	334-288-905	23	743.0067	18	969-95-30140	101
90-7903	3, 6	334-289-905	23	743.0122	18	969-95-30150	101
90-7904	3, 6	334-290-905	23	743.0125	18	969-95-30160	101
90-7905	3, 6	350E	119	743.0126	18	001192	54
90-7907	3, 6	401.081ATTC	92	743.0127	18	001215	56
90-7910	3, 6	401.142ATTC	92	743.0131	18	001288	80
90-8880	5, 8	401.310ATTC	92	743.0132	18	1304	19, 20
201.081ATTC	92	401.1550ATTC	92	743.0142	18	1305	19, 20
201.142ATTC	92	401.1555ATTC	92	743.0149	18	1306	19, 20
201.1515ATTC	92	401.1619ATTC	92	743.0168	18	1350	19
201.1520ATTC	92	401.1649ATTC	92	743.0209	18	1351	21
201.1525ATTC	92	0408-2052	120	743.0355	18	1352	20
201.1530ATTC	92	0408-2053	120	744.0010	17	1353	21
201.1535ATTC	92	0408-2054	120	744.0011	17	1369	21
201.1540ATTC	92	0408-2261	113, 120	744.0012	17	1370	19, 20
201.1604ATTC	92	0408-2262	113, 120	744.0013	17	1371	21
201.1628ATTC	92	0408-2385	113, 120	744.0014	17	1372	21
221.145CATTC	92	0408-2404	113, 120	744.0016	17	1373	21
221.146ATTC	92	421.145ATTC	92	744.0017	17	1374	21
221.406ATTC*	92	421.330ATTC	92	744.0018	17	1375	21
221.407ATTC*	92	421.426ATTC*	92	744.0024	17	1376	21
221.408ATTC*	92	421.430ATTC*	92	744.0061	17	1377	21
221.410ATTC*	92	421.431ATTC*	92	753.03293	104	1378	21
221.412ATTC*	92	512-087-100	23	753.03311	104	1386	21
221.414ATTC*	92	707.0051	115	753.03314	104	1389	21
221.417ATTC*	92	707.0052	115	753.03753	104	1395	21
231.350ATTC	92	707.0054	115	753.03754	104	1396	21
231.360ATTC	92	707.1052	115	807.0051	115	1402	21
250.030.061	95	710.0013	116	807.0052	115	1403	19, 21
250.030.062	95	710.0015	116	807.0053	115	1510	19, 20, 21
250.030.068	95	710.0016	116	807.0054	115	1517	21
250.030.091	94	710.0017	116	807.0055	115	1518	20, 26
250.030.092	94	710.0018	116	807.1053	115	1519	19
250.030.093	94	710.0019	116	807.1055	115	1520	19
250.030.094	94	710.0021	116	810.0011	116	1521	20, 26
250.031.040	94	710.0022	116	810.0013	116	1564	21
250.031.228	94	710.0023	116	810.0014	116	1576	21
250.031.332	94, 95	710.0024	116	810.0017	116	002287	84
250.031.336	95	710.0025	116	810.0019	116	2301	21
254-35	94	710.0026	116	810.0027	116	2302	21
254-36	94	710.0027	116	810.0030	116	3714	38
254-40	94	710.0125	116	810.0050	116	4401	122
321.320ATTC	92	742.0004	17	810.0052	116	4402	122
334-263-100	23	742.0012	17	810.0152	116	4403	122
334-264-100	23	742.0013	17	810.0225	116	4404	122
334-265-100	23	742.0016	17	894-14	26	4411	122
334-270-100	23	742.0017	17	894-15	26	4414	122
334-271-100	23	742.0018	17	894-29	26	4420	122
334-277-100	23	742.0025	17	894-30	26	4421	122
334-278-100	23	742.0082	17	894-54	26	4422	122

4423.....	122	18866-0.9 .....	39	020081.....	39, 69, 74	020361.....	56, 81
4450.....	122	18866L.....	39	020082.....	69	20378.....	42
4451.....	122	19114.....	31	020084.....	69	20379.....	42
4452.....	122	19122.....	31	020086.....	69, 70, 74, 76, 77, 78, 79	020380.....	42, 69, 74
4453.....	122	19124.....	31	020087.....	69	020381.....	54
4454.....	122	19129.....	31	020089.....	69	020382.....	54, 75
005094.....	54	19160.....	42	020096.....	69	20386.....	42
06987.....	121	19161.....	43	020097.....	69	20387.....	42
06988.....	121	19497.....	31	20098.....	42	020391.....	32, 69, 74
06996.....	121	19498.....	31	020101.....	55	020392.....	69, 74
06997.....	121	19502.....	31	020102.....	55	020394ATTC.....	56
7848-605420 .....	94, 95	19506.....	32	020103.....	55	020395ATTC.....	81
7848-605811 .....	94, 95	19540.....	42	020104.....	55	020396.....	59
7848-605830ATTC .....	95	19654.....	42	020114.....	55	020397.....	59
7848-605850 .....	95	19667.....	39	020115.....	55	20398.....	29
9000-930 .....	120	19679.....	39, 40	020120.....	55	20402.....	28, 29
9000-941 .....	120	19682.....	39	020131.....	55	020414.....	63
9000-8142-C .....	120	19683.....	39	020167.....	55	020415.....	63, 66
9000-943058 .....	120	19690.....	42	020184.....	59	020415ATTC.....	52, 64
9000-943105 .....	120	19691.....	42	020191.....	59, 62	020416.....	63
9000-943107 .....	120	19914.....	31	020193.....	59, 62	020417.....	63
9000-943107-1.2.....	120	19915.....	31	020194.....	59	020418.....	63
9000-943108 .....	120	19916.....	31	020195.....	59	020423ATTC.....	63, 66
9000-943109 .....	120	19917.....	31	020197.....	55	020424ATT .....	63
9458.....	143	19918.....	31	020200.....	55	020425.....	63
9459.....	143	19989.....	31	020201.....	59	20426.....	31
9460.....	143	19990.....	31	020203.....	59	20427.....	31
9462.....	143	19999.....	31	020218.....	54	020431.....	63
9463.....	143	20000.....	31	020219.....	54	20434.....	32
9465.....	143	20008.....	31	020220.....	54	020446ATT .....	63
9466.....	143	20010.....	31	020231.....	55	020447.....	63
9468.....	143	020030.....	73	020239.....	54	020448ATT .....	63
9475.....	143	020034.....	73	020246.....	69	20463.....	39
9480.....	143	020035.....	73	020281.....	70, 74	020466.....	55
9481.....	143	020036.....	73	020282.....	39, 40, 70, 74	020467.....	55
12867.....	86	020037.....	73	020283.....	70, 74	020479.....	55
16978.....	43	020038.....	73	020284.....	70, 74	020484.....	63
16979.....	43	020039.....	69, 70, 71, 73, 74	020285.....	70, 74	020485.....	63
16980.....	43	020040.....	70, 71, 73, 74	020286.....	70, 74	020486.....	63
17119.....	42	020041.....	69, 73, 74	020299.....	54	020490.....	59
17184.....	42	020042.....	69, 70, 71, 73, 74	020321.....	74	020492.....	59, 62
18204.....	39	020043.....	73	20324.....	39	020563.....	59
18205.....	39	020047.....	73	020328.....	70, 74	020564.....	59
*18208 .....	39	020048.....	73	020333.....	59, 62	020564-LL .....	59
18208.....	39	020050.....	73	020334ATT .....	59, 62	020566.....	63
18362.....	42	20053.....	31	020335ATT .....	59, 62	020579.....	69, 70, 74
18363.....	42	20056.....	31	020336.....	59	020580.....	70
18364.....	42	20068.....	37, 38	020337.....	59	20584.....	34
18419.....	42	20070.....	43	020339.....	59	20587.....	34
18449.....	42	20072.....	39, 40	020340.....	55	020588.....	34, 54
18785.....	39, 40	20073.....	39	020345.....	59	20590.....	34
18844.....	39	020079.....	39, 70, 71, 73, 74	020352ATTC .....	56	20591.....	34
18866.....	39	020080.....	39, 69			20592.....	34

020604.....	63	20861A .....	39	21542.....	36	22498.....	44
020605.....	63	20862.....	39	21543.....	36	22531.....	36
020607.....	63	020887.....	62	21551.....	32	24072.....	114
020608.....	63	020915.....	63	21595.....	37	24074.....	114
020610.....	73	020918.....	29, 32, 63	21596.....	37	24084.....	114
020611ATTC.....	63	020919.....	63	21597.....	37	026016.....	54, 55
020612.....	63	20920A .....	29	21598.....	37	026018.....	59
020613.....	63	020921.....	62	21599.....	37	027102.....	59
020615.....	63	020922.....	62	21610.....	35	028325.....	59
020616.....	63	020930.....	56	21616.....	35	028375.....	59
020617.....	63	020937.....	58	21619.....	35	028482.....	54
020618.....	63	020938.....	58	21620.....	35	028513.....	72
020623.....	70, 71	020940.....	58	21621.....	35	028855.....	62
020633.....	58	020941.....	58	*21625 .....	37	029129.....	55
020634.....	58	020947.....	58	21654.....	37	30344-5 .....	121
020637.....	58	020949.....	58	21657.....	37	30808-5 .....	121
020644.....	58	020950.....	62	21660.....	37	30812-5 .....	121
020645.....	58	020951.....	62	21661.....	35	30813-5 .....	121
020646.....	58	020963.....	63	21662.....	35	30814-5 .....	121
020647ATTC.....	58	020968.....	71	21667.....	37	30815-5 .....	121
020663.....	70	020969.....	71	21692.....	36	31098.....	42
020670.....	58	020970.....	71	21693.....	36	31411.....	42
020671.....	58	020975.....	71	21712.....	36	33366.....	35
020687.....	58	020990.....	69, 70, 74	21725.....	36	33366ATTC .....	35
020688.....	63	020991.....	71	21758.....	36	33367.....	35
020699.....	62	020992.....	71	*21780 .....	37	33368.....	35
020703.....	62	21008A .....	39	21795.....	32, 33	33369.....	35
020704.....	62	21121.....	42	21796.....	33, 41	33371.....	35
020705.....	62	21150.....	34	21801.....	32	33418.....	35
020706.....	62	21217.....	28, 29	21802.....	32, 33, 44	33419.....	35
020712.....	62	21258.....	28, 29	21822.....	32, 33	34048.....	32
020719.....	72	21263.....	28, 29	21852.....	36	34084.....	32
020721.....	72	21265.....	28, 29	21923.....	36	34085.....	32
020744.....	62	21301.....	28, 29	21940.....	29, 32	34086-AG .....	32, 33
020745.....	62	21303.....	28, 29	21944.....	32, 33, 41, 44	34101.....	32
20747.....	31	21304.....	28, 29	21945.....	33, 44	34357.....	28, 29, 32, 33
020749.....	71	21326.....	34	21982.....	32	34557.....	32, 33
020750.....	62	21328.....	34	22007.....	36	34583.....	38
20751A .....	29	21329.....	34	22008.....	36	34585.....	38
020754.....	28, 29, 62	21330.....	34	22009.....	36	34592.....	38
20755.....	28, 29	21332.....	34	22010.....	36	34593.....	38
020756.....	62	21372.....	34	22026.....	32, 33	34599.....	37, 38
20758.....	28, 29	21373.....	34	22027.....	32, 33	34885.....	32
20759.....	28, 29	21374.....	34	22028.....	32, 33	35660.....	29, 33
20760.....	28	21420.....	35	22029.....	32, 33	35661.....	29
020761.....	62	21441.....	43	22030.....	32, 33	35662A .....	29
20762.....	29	21442.....	43	22031.....	32, 33	35663.....	29
20763.....	28, 29	21447.....	34	22032.....	32, 33	35664.....	29
020789ATTC .....	58	21536.....	36	22033.....	33	35665A .....	29
020795ATTC .....	58	21539-AG .....	36	22034.....	33	35666.....	29
020796ATTC .....	58	21539ATTC .....	36	22195.....	32	35885.....	33
020846.....	62	21540.....	36	22196.....	32	35886-AG .....	33
20860A .....	39	21541.....	36	22496.....	41, 44	36565.....	38

36566.....	38	120281.....	56, 81	120606ATTC.....	82	*120880.....	75
36567.....	38	120282.....	81	120607ATTC.....	82	*120881.....	75
36568.....	38	120303.....	80, 81, 82	120608.....	80, 81, 82	*120882.....	75
36569.....	38	120304.....	56, 81	120630ATTC.....	70	120883.....	75
36570.....	38	120305.....	56, 81	120651.....	60, 72	120884.....	75
36571.....	38	120336.....	62	120654ATTC.....	60	120898.....	75
36572.....	38	120349.....	58	120655.....	60	120907ATTC.....	60, 72
36648.....	38	120377.....	58	120660ATTC.....	60	120913.....	72
37063.....	33	120384.....	71	120667ATTC.....	63	120925.....	83, 85, 86, 87
37066.....	33	120385.....	71	120683ATTC.....	60	120926ATTC....	83, 85, 86, 87
37068.....	33	120386.....	71	120684.....	60	120927.....	83, 85, 86, 87
37071.....	33	120387.....	71	120685ATTC.....	60	120928.....	83, 86, 87
37073.....	33	120388.....	71	120690-AG.....	60	120928ATTC.....	85
37081.....	33, 41, 44	120389.....	71	120690ATTC.....	60	120929ATT.....	83, 85
37082.....	33, 41, 44	120390.....	70, 71	120691.....	60	120930ATT.....	83, 85, 86, 87
37083.....	33	120410ATTC.....	58	120692ATTC.....	60	120931.....	83, 85, 86, 87
37431.....	33	120433ATTC.....	59, 62	120711ATTC.....	60	120932.....	83, 85, 86, 87
37887.....	40	120433-LL.....	59	120712.....	60	120934ATTC.....	72
37888.....	40	120438.....	81	120713ATTC.....	60	120935ATTC.....	72
044016.....	54, 55	120443.....	58	120718ATTC.....	60	120939.....	72
50305-01-1.....	114	120444ATTC.....	59, 62	120719.....	60	120977.....	86
50305-01-1 2H.....	114	120444-LL.....	62	120720ATTC.....	60	120977ATT.....	83
057053.....	55	120462ATTC.....	71	120725ATTC.....	60	120978.....	85, 86
057112.....	55	120473ATTC.....	84	120726.....	60	120979.....	83, 85, 86, 87
057114.....	55	120474.....	84	120727ATTC.....	60	120980.....	85, 86, 87
059078.....	59	120475ATT.....	84	120746ATTC.....	60	120984.....	72
60665.....	10	120476ATTC.....	84	120747.....	60	123897.....	105
069989.....	121	120477.....	84	120748ATTC.....	60	123898.....	105
070057.....	54	120483.....	84	120753ATTC.....	60	123899.....	105
070058.....	54	120504.....	54, 75	120754.....	60	125031.....	104
071069.....	56	120509ATTC.....	84	120755ATTC.....	60	125032.....	104
083215.....	81, 82	120510.....	84	120760ATTC.....	60	125033.....	104
095482.....	113	120515ATTC.....	84	120761.....	60	125038.....	106
095483.....	113	120516ATT.....	84	120762ATTC.....	60	125039.....	106
095484.....	113	120517ATTC.....	84	120777ATTC.....	72	125040.....	106
095485.....	113	120518ATTC.....	84	120783.....	72	125069.....	104
120004.....	71	120519.....	84	120785ATTC.....	72	125070.....	104
120013.....	56, 81, 82	120520.....	84	120786ATTC.....	60, 72	125071.....	104
120015.....	71	120558.....	81, 82	120787ATTC.....	72	125081.....	104
120025.....	72	120570.....	80	120791.....	72	125290.....	105
120035.....	73	120573ATTC....	56, 80, 81, 82	120793ATTC.....	72	128564.....	81, 82, 83
120090ATTC.....	70, 74	120574ATTC....	56, 80, 81, 82	120794ATT.....	72	128640.....	81, 82, 83
120092.....	56	120576.....	80, 81, 82	120795ATTC.....	72	128754.....	86
120096.....	72	120577.....	82	120802ATTC.....	72	130286.....	104
120103ATTC.....	72	120578ATTC.....	82	120810ATTC.....	72	130287.....	105
120107.....	72	120583.....	80	120826.....	80	131190.....	104
120108.....	72	120584.....	63	120827ATT.....	80	132657.....	107
120111ATTC.....	58	120589ATTC.....	58	120828ATT.....	80	134338.....	105
120112ATTC.....	58	120600ATTC.....	80, 81, 82	120831.....	80	136607.....	105
120113ATTC.....	58	120601ATT.....	81	120836ATTC.....	71	138755.....	105
120115.....	72	120601ATTC.....	82	120853.....	72	169212.....	107
120116.....	72	120602ATT.....	81	120855ATTC.....	72	169213.....	107
120135.....	70	120602ATTC.....	82	120856ATTC.....	72	169214.....	107
120272ATTC.....	58	120606.....	80	120868.....	62	169215.....	107

169216.....	107	192051.....	109	212730ATT .....	112	62-160	
169217.....	110	192052.....	109	212732ATT .....	112	220202 50-160, 61, 61-160,	
169218.....	110	192053ATT .....	108, 109	212733.....	112	64-160	
169219.....	110	192056.....	109	212734.....	112	220304ATTC..... 61	
169220.....	110	192058ATT .....	109	212736.....	112	220307ATT .....	61
169221.....	110	192059.....	109	220006.....	83, 85, 86, 87	220307ATTC.....	50-160,
169222.....	110	192060.....	109	220007.....	85, 87		51-160
169223.....	110	192203.....	109	220007ATTC.....	83, 86	220308ATT .....	62
169224ATT .....	110	192204.....	109	220011.....	86	220308ATTC.....	50-160
169225.....	110	193347.....	109	220011ATTC.....	86, 87	220313ATTC.....	61
169226.....	110	196925.....	106	220013.....	75	220325.....	83, 87
169227.....	110	196926.....	106	220016.....	75	220326.....	80, 81, 82
169228.....	110	196927.....	106	220021.....	63	220327.....	83, 86
169230ATT .....	110	196928.....	106	220037ATTC.....	86	220329.....	83, 86, 87
169232.....	106	200210.....	90	220047ATT .....	86	220330.....	80, 81, 82
170995.....	110	200213.....	90	220048.....	86	220332.....	80, 81, 82
171245.....	110	200214.....	90	220051.....	86, 87	220337ATTC.....	50-160, 61,
171870.....	113	200215.....	90	220059.....	83		61-160
171871.....	113	200217.....	90	220061.....	83, 87	220338.....	50-160, 64-160
171873.....	113	200218.....	90	220063.....	86	220339ATT .....	61
171874.....	113	200219.....	90	220064.....	86, 87	220339ATTC.....	50-160
172384.....	111	200220.....	90	220083ATTC.....	63	220340ATTC.....	50-160,
172385.....	111, 113	200221.....	90	220173ATTC.....	61		51-160, 61, 61-160, 64-160
173815.....	110	200222.....	90	220176ATTC.....	61	220342	51, 51-160, 51-160,
173816.....	110	200223.....	90	220179	50, 50-160, 50-160,		61
173895.....	107	200224.....	90		50-160, 50-160, 50-160, 60,	220342 *	4, 7
174034.....	107	200225.....	90		60-160, 61, 61-160, 64-160	220343ATTC.....	51-160, 60,
175833.....	113	200227.....	90	220180	50-160, 61, 61-160,		61, 61-160
176655.....	106	200228.....	90		64-160	220344ATTC.....	60, 61
176656.....	106	200229.....	90	220181ATT .....	61	220345ATTC.....	60, 61
177876.....	108	200230.....	90	220181ATTC.....	50-160	220346ATTC.....	51-160
177878.....	108	200231.....	90	220182ATTC.....	50-160, 61,	220347ATTC.....	61
177886.....	108	200232.....	90		61-160	220352ATT .....	60, 61
177888.....	108, 109	200233.....	90	220183.....	50-160	220352ATTC.....	51-160
177890.....	108	200234.....	90	220183ATTC.....	61	*220353 .....	61
177891.....	108	200237.....	90	220187ATT .....	61	220353.....	51-160
177895ATTC .....	111	200238.....	90	220187ATTC.....	50-160,	220354ATTC.....	51-160, 60,
177896ATTC .....	111	200239.....	90		64-160		61, 61-160
177897.....	111	200240.....	90	220188ATTC.....	50-160, 61,	220355ATTC.....	60, 61
177898.....	111	200277.....	90		61-160, 64-160	220356ATTC.....	60, 61
177899ATT .....	111	200279.....	90	220189.....	50-160, 64-160	220397ATTC.....	69, 70
177900.....	111	202115.....	90	220189ATTC.....	61	220398ATTC.....	60, 61
177901.....	111	202808.....	106	220192ATT .....	61	*220404 .....	83, 85, 87
180341ATT .....	108	202809.....	106	220192ATTC.....	50-160,	220405	51, 51-160, 51-160,
187288ATTC.....	111	204444-1 .....	48		64-160		61
187289ATTC.....	111	204444-2 .....	48	220193ATTC.....	50-160, 61,	220405 *	4, 7
187290ATTC.....	111	204444-3 .....	48		61-160, 64-160	220406ATTC.....	51-160, 61,
187291.....	111	204444-4 .....	48	220194.....	50, 50-160, 61,		61-160
187292ATT .....	111	212724ATTC.....	112		61-160, 64, 64-160	220407.....	61
187293.....	111	212725.....	112	220194ATTC.....	61	220408ATTC.....	58
192047ATTC.....	108, 109	212726.....	112	220197ATTC.....	61	220412ATTC.....	72, 74
192048ATTC.....	108, 109	212727.....	112	220198.....	50-160, 64-160	220433ATTC.....	61
192049.....	109	212728.....	112	220198ATTC.....	61	220435ATT .....	61
192050.....	108, 109	212729ATTC.....	112	220201ATTC.....	50-160, 62,	220435ATTC.....	51-160

220436	51-160, 60-160, 61, 61-160	220756.....	50-160, 64-160	277138.....	91	450517.....	48
220439ATTC.....	51-160, 61, 61-160	*220757.....	51-160	277139.....	91	450518.....	48
220440ATT.....	61	220757.....	4, 7, 51	277140.....	91	450519.....	48
220478ATTC.....	75	*220758.....	51-160	277141.....	91	450522.....	48
220479.....	75	*220759.....	51-160	277142.....	91	450570.....	48
220480.....	75	220761ATTC.....	51-160	277143.....	91	450574.....	48
220483.....	75	220762ATTC.....	51-160	277144.....	91	450575.....	48
220487.....	66	220763ATTC.....	51-160	277145.....	91	450600.....	48
220487ATTC.....	52, 64	220777.....	76, 77, 78, 79	277146.....	91	450656.....	49
*220488.....	64	220816ATTC.....	78, 79	277149.....	91	450657.....	49
220488.....	52, 64, 66	220817ATTC... 76, 77, 78, 79		277150.....	91	450658.....	49
220489ATTC.....	66	220818ATTC... 76, 77, 78, 79		277151.....	91	450659.....	49
220491.....	52, 64	220819ATTC.....	77, 78, 79	277152.....	91	450660.....	49
220491ATT.....	66	220831ATTC.....	52, 64	277153.....	91	494418-2.....	49, 61
220492ATTC.....	66	220832.....	52, 64	277154.....	91	494418-3.....	49
220521ATTC.....	52, 64	*220834.....	64	277190ATTC.....	91	494418-4.....	49
220528ATTC.....	52, 64, 66	220834.....	52, 64	277211.....	91	494418-5.....	49
220529.....	52, 64, 66	220842*.....	76, 77, 78, 79	277258.....	91	494418-7.....	49
220530ATTC.....	66	220845.....	5	277259.....	91	494418-8.....	49
220532.....	52, 64	220854ATTC... 76, 77, 78, 79		277263.....	91	494418-9.....	49
220532ATT.....	66	220857ATTC... 76, 77, 78, 79		277266.....	91	494418-10.....	49
220534.....	66	220891ATTC.....	52, 64	277269.....	91	494418-11.....	49
220536.....	52, 64	220892ATTC.....	52, 64	277270ATTC.....	91	494418-12.....	49
220536ATT.....	66	220893ATTC.....	52, 64	277274.....	91	494418-13.....	49
220552ATTC.....	50-160, 64-160	220930ATTC... 76, 77, 78, 79		277276.....	91	494418-14.....	49
220553.....	50-160, 64-160	220931ATTC.....	76, 77, 78	277280.....	91	494418-17.....	49
220554ATTC.....	50-160, 64-160	220935.....	52, 64	277282ATTC.....	91	494418-18.....	49
220555.....	50-160, 64-160	220936.....	52, 64	277283.....	91	494418-19.....	49
220569.....	75	220937ATTC.....	52, 64	277284.....	91	494418-20.....	49
220571ATTC.....	60	220941ATTC... 76, 77, 78, 79		277286.....	91	494418-21.....	49
220606ATT.....	60	220948.....	78	277287.....	91	494418-22.....	49
220665ATTC.....	50-160, 61-160	220953.....	76, 77, 78, 79	277289.....	91	500006.....	88
220666ATTC.....	51-160, 61-160	220955.....	76, 77, 78, 79	277291ATTC.....	91	500009.....	88
220668ATTC.....	51-160, 61-160	225706.....	110	277292ATTC.....	91	500101.....	88
220669ATTC.....	57	251195.....	21	277293.....	91	500102.....	88
220670.....	57	277110.....	91	*344019.....	37	500131.....	88
220671ATTC.....	57	277113.....	91	409247.....	47	500141.....	88
220672.....	57	277115.....	91	409248.....	47	500230.....	88
220674.....	57	277116.....	91	409249.....	47	500301.....	88
220675.....	57	277117.....	91	409250.....	47	500311.....	88
220712.....	7	277118.....	91	409255.....	47	500315.....	88
220713.....	57	277120.....	91	409261.....	47	500321.....	88
220717.....	57	277121.....	91	409262.....	47	500325.....	88
220718.....	57	277122.....	91	409263.....	47	500331.....	88
220747.....	50	277123.....	91	409264.....	47	500341.....	88
220754.....	50-160, 64-160	277124.....	91	409266.....	47	500410.....	88
220755.....	50-160	277125.....	91	409267.....	47	500420.....	88
		277126.....	91	409276.....	47	500460.....	88
		277130ATTC.....	91	409277.....	47	500470.....	88
		277131ATTC.....	91	420044ATTC.....	52, 64	500601.....	88
		277132ATTC.....	91	420045.....	52, 64	500661.....	88
		277133ATTC.....	91	420185.....	52	501210.....	88
		277135ATTC.....	91	450510.....	48	501211.....	88
		277137ATTC.....	91	450511.....	48	501212.....	88

501213.....	88	800071.....	89	999260.....	42	0004470030.....	33, 41, 44
501214.....	88	800075.....	89	999261.....	42	0004470031.....	33, 41, 44
501215.....	88	800275.....	89	999262.....	42	0004470115.....	33, 41, 44
501216.....	88	810129.....	89	999263.....	42	5710120.....	19
501217.....	88	810130.....	89	999264.....	42	5710121.....	20
598711.....	27	810131.....	89	999266.....	42	5710166.....	21
598713.....	27	810132.....	89	999535.....	30	5710171.....	19, 21
598714.....	27	810133.....	89	999536.....	30	40008459.....	95
598728.....	27	810134.....	89	999537.....	30	40016366.....	94
598911.....	27	810235.....	89	999538.....	30	40017233.....	94
599043.....	27	827260.....	144	999539.....	30	40017234.....	94
600236.....	28	827261.....	144	999540.....	30	40020503.....	94
643722.....	144	896112.....	46	999541.....	30	0558000726.....	37
648280.....	144	896113.....	46	999542.....	30	0558000727.....	37
648281.....	144	896117.....	46	999543.....	30	0558000728.....	37
648282.....	144	896432.....	46	999544.....	30	0558000729.....	37
648283.....	144	896433.....	46	999557.....	30	0558000731.....	37
648284.....	144	896433T.....	46	999586.....	42	0558000732.....	37
648285.....	144	896434T.....	46	999620.....	42	0558000733.....	37
648286.....	144	896436.....	46	2064106.....	28, 29, 32	0558000818.....	40
648288.....	144	896514.....	46	2075155.....	43	0558001457.....	37
648310.....	144	896515.....	46	2075271.....	43	0558001617.....	34
648312.....	144	896516.....	46	2075328.....	42, 43	0558001621.....	44
648313.....	144	948142.....	29, 32, 33	2075341.....	28	0558001623.....	44
648317.....	144	948143.....	29, 32, 33	2075343.....	28	0558001624-AG.....	44
648318.....	144	948171.....	43	2075360.....	28	0558001625.....	41, 44
648327.....	144	948174.....	43	2075584.....	28	0558001626.....	44
648328.....	144	948175.....	43	2075586.....	29, 32	0558001628.....	44
648330.....	144	948178.....	43	2075587.....	28	0558001825.....	44
648331.....	144	948179.....	43	2075606.....	28	0558001881.....	44
648332.....	144	948186.....	32, 43	2075607.....	28	0558001882.....	44
648333.....	144	950790.....	39	2075608.....	28	0558001883.....	44
649150A.....	144	951000.....	28, 29, 32	#2075609.....	28	0558001884.....	44
649793.....	144	969007-011.....	119	#2075610.....	28	0558001885.....	44
649794.....	144	969007-512A.....	119	2075611.....	28	0558001886.....	44
649797.....	144	969007-518A.....	119	2075612.....	28	0558001887.....	44
649959.....	144	969007-519A.....	119	2075613.....	28	0558001957.....	40
649960.....	144	969007-560A.....	119	2075614.....	28	0558001959.....	40
649961.....	144	994092.....	42	2075615.....	28	0558001965.....	40
649962.....	144	996230.....	28, 29	2075616.....	28	0558001969.....	40
649963.....	144	996232.....	28, 29	2075617.....	28	0558002499.....	44
649964.....	144	996242.....	28, 29, 32	2075690.....	28	0558002516-AG.....	44
649965.....	144	996248.....	28, 29	2075691.....	28	0558002530.....	41, 44
649966.....	144	996249.....	28, 29	2075693.....	28	0558002533.....	41, 44
770000.....	89	996526.....	28, 29, 32	#2075694.....	28	0558002534.....	41, 44
770012.....	89	996527.....	28, 29, 32, 33	2075694.....	28	0558002618.....	40
770014.....	89	996528.....	28, 29, 32, 33, 36	2209992ATTC.....	79	0558002837.....	40
770015.....	89	996618.....	28	2810029.....	45	0558002908.....	40
770017.....	89	996619.....	28	2810030.....	45	0558003032.....	35
770030.....	89	996628.....	28	2810036.....	45	0558003110.....	40
770072.....	86, 89	997783.....	43	2810040.....	45	0558003322.....	40
800053.....	89	997784.....	43	2810054.....	45	0558003412.....	40
800062.....	89	999257.....	42	2810057.....	45	0558003548.....	40
800063.....	89	999259.....	42	3110084.....	21	0558003804.....	41

0558003914-AG.....	41	C61-245.....	22	PT-121.....	42	HT-2000® High Speed.....	68
0558003924.....	41	C61-246.....	22	ESAB/L-TEC® PT-36 (M3®)		HT-4001® (PAC620)	70
0558003928ATTC.....	41	C61-247.....	22		41	HT-4001® (PAC 620)	
0558004454-AG.....	36	C61-249.....	22	ESAB/L-TEC® PT-36 (M3®)		Beveling.....	71
0558004461.....	44	C61-263.....	22	XR Consumables..	41	HT-4100® PAC 611	72
0558004462.....	44	C61-264.....	22			HT4400® .....	72
0558004678.....	44	C61-265.....	22	<b>H</b>		MAX-20® (PAC110)	
0558005306.....	44	C61-270.....	22			PowerMax 350®	54,
0558005457.....	44	C61-271.....	22	H669G04.....	24	64	
0558005459.....	41	Cebora®		H669G05.....	24	MAX-40cs/42/43®.....	56
0558006006.....	41	20-35.....	19	H669G06.....	24	MAX-40® (PAC140)	55,
0558006014.....	41	20-50.....	10, 20	H669G11.....	24		57
0558006020.....	41	150	21	H705F03.....	24	MAX-100D® (PAC160)	62
0558006023.....	41	A-70	21	H705F04.....	24	MAX-100® (PAC130)	59
0558006025.....	41	Cebora® 20-50.....	20	H705F05.....	24	MAX-200® .....	63
0558006030.....	41	Centricut®		H758G03.....	24	PAC 500.....	73
0558006036.....	41	SE200.....	22	H767F01.....	24	PAC 600.....	74, 76, 77, 78
0558006041.....	41	Century®		H767F02.....	24	PowerMax-380 (PAC110T)	
0558006130.....	41	20-20.....	23	H767F03.....	24		75
0558006141.....	41	20-40.....	23	H767JOO.....	24	PowerMax-600®	
0558006166.....	41	20-50.....	23	H839G02.....	25	(PAC123T/M)	80
0558007624.....	41			H839-G03.....	25	PowerMax-800® (PAC121)	
0558009410ATTC.....	41	<b>D</b>		H839-K01.....	25		81
0558009425.....	41	Daihen®		H839-K02.....	25	PowerMax-900®	
		30	24	H839-K03.....	25	(PAC125T/M)	82
<b>A</b>		70	24	H839-MOO.....	25	PowerMax-1000® T60/	
AOK030056.....	94	80	24	H921-KOO.....	25	T60M.....	83
AOK030057.....	94	CT120.....	25	H921-LOO.....	25	PowerMax-1100®	
AOK030057R.....	94	GCPT1201.....	25	H921-NOO.....	25	(PAC135T)..	84
APK030061.....	95	Daytona Mig®		Harris®.....	45	PowerMax-1250® T80/	
APK030062.....	95	20,35 / 20,50.....	26	Hettiger®		T80M..	85
APK030063.....	95			# 1	45	PowerMax-1650.....	86, 87
APK030067.....	95	<b>E</b>		Hitachi®			
APK030068.....	95	ESAB/L-Tec®		PTP-51.....	46	<b>K</b>	
APK030078.....	95	PT-7/11.....	27	PTP-81.....	46	K880-5.....	103
APK031024.....	94	PT-15XL.....	28, 29	UG-31.....	46	K1571-1.....	102
APK031027.....	95	PT-16.....	30	Hobart®		4K® Kaliburn® (Inner Logic®)	
APK031204.....	95	PT-17A.....	31	120		FL-100 PC... 88, 89, 90, 91,	
APK031205.....	95	PT-19XL.....	32	HSC-30A.....	49	94, 95	
APK031323.....	95	PT-19XLS.....	33	ST-50A.....	48	FL-200.....	90
APK031360.....	95	PT-20AM.....	34	TP-3A.....	47	PL2200.....	90, 91
		PT-20M.....	34	TP-6A/P.....	47	SR-45i.....	88, 90, 91
<b>B</b>		PT-23 & 27.....	35	TP-10A/P.....	47	SR-100i.....	89, 94, 95
Binzel®		PT-24.....	36	TP-12.....	48	Kjellberg HiFocus	
30 & 31.....	16, 17	PT-25.....	37	Hypertherm®		80i/161i/280i/360i/440i	92
80 & 120.....	18	PT-26.....	38	HD-1070/3070®.....	58	Koike®	
BINZEL® 30 & 31.....	17	PT-31 & 31XL.....	39	HD4070®.....	60	254A.....	94, 95
		PT-34.....	40	HPR130®.....	61	Komatsu®	
<b>C</b>		PT-36 (M3®).....	41	HPR260®.....	61	40A High Definition	95
C61-207.....	22	PT-251.....	43	HT-400®.....	69	40 QuickSilver.....	96
C61-227.....	22	PT-600.....	44	HT-2000®.....	67	90A High Definition	97
C61-232.....	22	ESAB/L-TEC®		HT-2000® 50 Amp.....	68	90 QuickSilver.....	98

150 / MG HQ 30 .....	100	Messer/MG® .....		S18752 .....	103	PCH/M-80.....	136
300A.....	101	PCH60/PCH95.....	104	S22148 .....	102	PCH/M-102 SureLok™ RPT	
KP2008-1B1 .....	103	Miller® .....		Sacheron® .....	120		138
KP2008-2B1 .....	103	APT 1000 .....	104	SAF®.....	120	PCH/M-140.....	138
KP2008-3B1 .....	103	APT 3000 Spectrum 250D		SIP® .....	121	PCH/M-145.....	139
KP2008-4B1 .....	103		104	Smith Merkle® .....	121	PCH/M-150 MERLIN 15XC	
KP2008-5B1 .....	103	APT 8000 Spectrum		Solar® .....			139
KP2027-1 .....	103	1500/1500D .....	105	20-20 .....	122	PCH/M-200.....	140
KP2042-1B1 .....	103	ICE-12C .....	105	20-40 .....	122	PWH-4A.....	125
KP2042-2B1 .....	103	ICE-25C/ 27C Spectrum		20-50 .....	122	PWH/M-3A.....	124
KP2042-3B1 .....	103	375.....	105			PWM-6A .....	127
KP2042-4B1 .....	103	ICE 50 .....	106			PWM-300.....	141
KP2043-1B1 .....	103	ICE 50C/50CM Spectrum				TKU-06102-S .....	117
KP2044-1 .....	103	701 .....	107	Taiwan PlasmaCompany®		TKU08000.....	117
KP2045-1 .....	103	ICE 55C.....	108		123	TKU08001.....	117
KP2046-1 .....	103	ICE 70/100 Spectrum 1250		Tanaka® .....	123	TKU08103.....	117
KP2062-1B1ATTC .....	102	109, 110, 111, 112		TET-00812 .....	117	TKU08104.....	117
KP2062-2B1ATTC .....	102	MC80 .....	113	TET-01035 .....	118	TKU10010.....	117
KP2062-3B1ATTC .....	102	Multi Quip® .....		TET-01045 .....	117	TKU10011.....	117
KP2062-4B1ATTC .....	102	PCX50SS .....	114	TET-01103 .....	117	TKU10012.....	117
KP2062-5B1ATTC .....	102			TET-01305 .....	117	TKU10013.....	117
KP2063-1B1 .....	102			TET-01507 .....	117	TKU10014.....	117
KP2064-1 .....	102			TET-01809 .....	117	TKU10015.....	117
KP2065-1 .....	102	Nippon Steel®.....	114	TET-02033 .....	117	TKU10016.....	117
KP2075-1 .....	103	Nu-Tecsyst® .....		TET-02035 .....	118	TKU10019.....	117
KP2077-1 .....	103	NPT-3, 3R & 3S.....	115	TET-06102 .....	117	TKU10025.....	117
KP2843-10 .....	101	NPT-4, 5 & 6.....	116	TGN-0011 .....	117	TKU10050.....	117
KP2844-2 .....	101	NPT-12.....	116	TGN-02004-LL .....	117	TP0501 .....	88
KP2844-3 .....	101			Thermal Dynamics®		TP0502 .....	88
KP2844-4 .....	101			Maximizer-300 (MERLIN		TP0503 .....	88
KP2844-9 .....	101	Panasonic® .....		3000) .....	142	TP0504 .....	88
KP2844-10 .....	101	35A .....		Maximizer-300 (MERLIN		TP2001 .....	94
KP2844-14 .....	101	TKU08103 .....	117	6000) .....	142	TWE 30 .....	123
KU10017.....	117	PC2-30 .....	143	PCH-4B & 4BT Pak® 10		TWE 80 .....	123
		PCA30 .....	115		126	TWE 3010 .....	123
		PCA30-2 .....	115	PCH-6A.....	127	TWE 8013 .....	123
		PHD® 260X.....	3, 4, 5, 8	PCH-6B Pak® 44 & 45		TWE 8015 .....	123
		Plazcut® (Nertajet) .....	113		128		
		PMW® .....	119	PCH-20 DYNAPAK® 110			
		Pow-Con® .....			129		
		PT 80 .....	119	PCH-30 Pak® 3 .....	129	Weidemann® .....	
		Powermax45® XP .....	76	PCH-50 PAK® 5 .....	131	IC100 .....	143
		PST-250-2.5 .....	123	PCH-51 3XRTM, 4XITM,		Weldcraft® .....	
		PST-250-ELECTRODE		5XRTM .....	132	PC30 .....	143
			123	PCH-52, PCH-53		Whitney® .....	
		PT-31 .....	39	Pak5XRTM, DG &		IC-300.....	144
		PT-31XL .....	39	10XRTM .....	133	WTC® .....	
		P-Tron® .....		PCH-100 Pak TM 10XR		M100, 150.....	145
		PZ-8 .....			137	WTC0189.....	145
		PZ-75.....	118	PCH/M-35.....	130	WTC0268.....	145
		PZ-100.....	119	PCH/M-40.....	131	WTC0413.....	145
				PCH/M-60.....	134	WTC0618.....	145
				PCH/M-70.....	134	WTC0702.....	145
				PCH/M-75/100XL .....	135	WTC0703.....	145



160

WTC0704..... 145  
WTC0705..... 145  
WTC0706..... 145

Z

ZP14002 ..... 94  
ZP14002LL ..... 94  
ZP14003 ..... 94  
ZPAPK03001 ..... 94  
ZPAPK03002 ..... 94