# PLASIA AMERICAN AT TORCH TIP AT





Featuring PHD™ & PHDX™ Products

MADE IN THE USA

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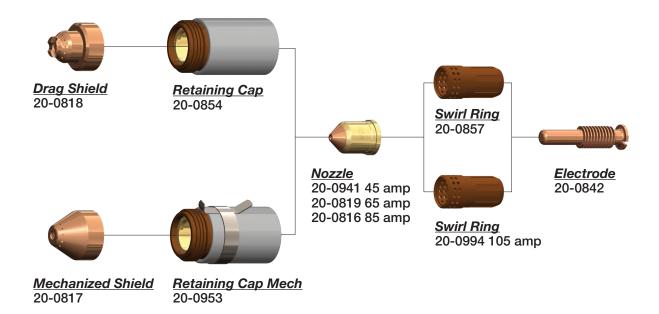
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### **HELIOCUT**™

(Compatible on Hypertherm® Powermax45®, Powermax65®, Powermax85®)†



### HELIOCUT™ ONE

(Compatible with Duramax® torches on Hypertherm® Powermax45XP®, Hypertherm® Powermax85®, Hypertherm® Powermax105®)†

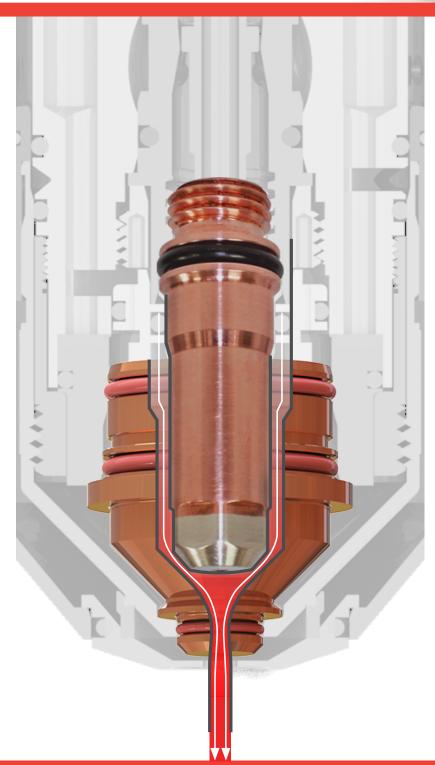


Drag Cutting							
Cartridge Part #							
45 A	20-8927						
65 A	20-8931						
85 A	20-8935						
105 A	20-8937						



Mechanized Cutting							
Cartridge	Part #						
45 A 20-8925							
65 A	20-8930						
85 A	20-8934						
105 A	20-8936						

## Clean Cut Next-Generation Plasma Consumables From American Torch Tip



# BURN LONGER. CUT CLEANER. Clean Cut

### **Designed to Work Together**

- 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

To learn more, visit:
AmericanTorchTip.com/cleancut
800-342-8477 • 941-753-7557







### 260 & 400 PHDX™ SERIES (50 – 400 AMP) TORCH KITS

Part #	Amperage	Power Supply	Plasma Gas	Shield Gas	Material	Notes
90-7950	400	400X	02	Air	Mild Steel	Straight & Bevel Cutting
90-7951	260	260X	02	Air	Mild Steel	Standard Cutting
90-7952	200	260X	02	Air	Mild Steel	Standard Cutting
90-7953	130	260X	02	Air	Mild Steel	Standard Cutting
90-7954	80	260X	02	Air	Mild Steel	Standard Cutting
90-7905	50	260X	02	Air	Mild Steel	Standard Cutting
90-7907	260	260X	02	Air	Mild Steel	Bevel Cutting
90-7910	130	260X	02	Air	Mild Steel	Bevel Cutting

### PLASMA HIGH DENSITY

### **Lower Operating Costs**

Test results show PHDX™ 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.

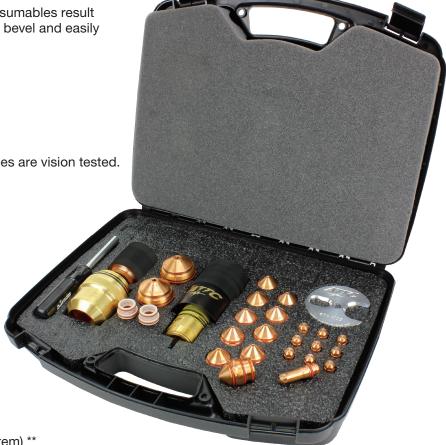
### **Quality Checked**

Torches are helium leak tested. Consumables are vision tested.

### Kit Includes

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

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



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### AMERICAN TORCH TIP®

### PHDX<sup>™</sup> 260 & 400 SERIES















260 amp Mild Steel consumables illustrated above

	Mild Steel										
Amperage	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube				
30 A	90-0747	60-0194	90-0754	60-0193	90-0180	60-0192	90-0340				
50 A	90-0747	90-0555	90-0754	90-0554	90-0553	90-0552	90-0340				
80 A	90-0747	90-0189	90-0756	90-0188	90-0179	90-0187 / 90-0566 CleanCut™	90-0340				
130 A	97-0200	97-0255	97-1365	97-0252	90-0179	97-0249 CleanCut™	90-0700				
200 A	97-0200	97-0513	97-1365	97-0261	90-0405	97-0258 CleanCut™	90-0700				
260 A	97-0200	97-0491	97-0365	97-0279	90-0436	97-0276 CleanCut™	90-0571				
400 A	97-0200	97-4002	97-0365	90-0632	*220631	90-0530 CleanCut™	90-0571				
80 A bevel	90-0637	90-0742	*220845	90-0806	90-0179	90-0802	90-0700				
130 A bevel	97-0200	97-0255	97-1365	97-0252	90-0179	97-0249 CleanCut™	90-0700				
200 A bevel	97-0200	97-0513	97-1365	97-0261	90-0405	97-0258 CleanCut™	90-0700				
260 A bevel	97-0200	97-0491	97-0365	97-0279	90-0436	97-0276 CleanCut™	90-0571				
400 A bevel	97-0200	97-4002	97-0365	90-0632	*220631	90-0530 CleanCut™	90-0571				















260 amp Aluminum Steel consumables illustrated above

	Aluminum									
Amperage	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube			
45 A	90-0747	90-0202	90-0756	90-0201	90-0180	90-0308	90-0340			
130 A	90-0747	90-0198	90-0755 (H35) 90-0756 (Air)	90-0197	90-0179	90-0307 (H35) 90-0181 (Air)	90-0340			
200 A	90-0637	90-0762	*220759	90-0346	90-0342	90-0307	90-0340			
260 A	90-0637	90-0763	*220758	90-0406	90-0405	90-0307	90-0340			
400 A	90-0637	90-0707	*220712	90-0708	90-0405	90-0709	90-0571			



### PHDX<sup>™</sup> 260 & 400 SERIES















260 amp Stainless Steel consumables illustrated above

	Stainless Steel									
Amperage	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube			
45 A	90-0747	90-0202	90-0755	90-0201	90-0180	90-0308	90-0340			
80 A	90-0747	90-0338	90-0755	90-0337	90-0179	90-0339	90-0340			
130 A	90-0747	90-0198	90-0755 (H35) 90-0756 (N2)	90-0197	90-0179	90-0307	90-0340			
200 A	90-0637	90-0762	*220758	90-0343	90-0342	90-0307	90-0340			
260 A	90-0637	90-0763	*220758	90-0406	90-0405	90-0307	90-0340			
400 A	90-0637	90-0707	*220712	90-0708	90-0405	90-0709	90-0571			
130 A bevel	90-0637	90-0738	*220739	90-0656	90-0179	90-0606	90-0571			
260 A bevel	90-0637	90-0738	*220739	*220607	90-0405	90-0606	90-0571			
400 A bevel	90-0637	90-0707	*220712	90-0708	90-0405	90-0709	90-0571			

### PHDX<sup>™</sup> 260 & 400 SERIES PARTS & ACCESSORIES

90-0790



90-0706 Quick Disconnect Torch Body

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

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



90-0705 Quick Disconnect Receptacle



60-0000



Water Tube Removal Tool



60-4119 Consumable Removal Tool



90-0788 Torch Mounting Sleeve Assembly Short 4.5"

90-0789

Torch Mounting Sleeve Assembly Standard 7"

Torch Mounting Sleeve Assembly Long 9"



### PHDX<sup>™</sup> SUITABLE FOR USE WITH LINCOLN® (KALIBURN®)† (70 - 400 AMP) TORCH KITS

Part #	Amperage	Power Supply	Plasma Gas	Shield Gas	Material	Notes	CleanCut™ Technology
90-070-L 90-070-R	70	275	02	Air	Mild Steel	Standard Cutting	$\checkmark$
90-100-L 90-100-R	100	275	02	Air	Mild Steel	Standard Cutting	$\checkmark$
90-150-L 90-150-R	150	275	02	Air	Mild Steel	Standard Cutting	<b>✓</b>
90-200-L 90-200-R	200	275	02	Air	Mild Steel	Standard Cutting	<b>✓</b>
90-275-L 90-275-R	275	275	02	Air	Mild Steel	Standard Cutting	<b>✓</b>
90-400-L 90-400-R	400	400	02	Air	Mild Steel	Standard Cutting	<b>✓</b>

### PHDX<sup>™</sup> SUITABLE FOR USE WITH LINCOLN® (KALIBURN®)† (30 – 400 AMP) CONSUMABLES



400 amp Mild Steel consumables illustrated above

oo amp mad deed oo leadhabee maddadad abore										
Mild Steel										
Amperage	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	CleanCut™ Electrode	Water Tube		
50 A	90-0747	90-0555	90-0754	90-0554	90-0553	90-0552		90-0340		
70 A	90-0747	90-0189	90-0756	90-0188	90-0179	90-0187	90-0566	90-0340		
100 A	97-0200	97-0255	97-1365	97-0252	90-0179		97-0249	90-0700		
150 A	97-0200	97-0513	97-1365	97-0261	90-0405		97-0258	90-0700		
200 A	97-0200	97-0513	97-1365	97-0261	90-0405		97-0258	90-0700		
275 A	97-0200	97-0491	97-0365	97-0279	90-0436		97-0276	90-0571		
400 A	97-0200	97-4002	97-0365	90-0632	*220631		90-0530	90-0571		
70 A bevel	90-0637	90-0742	*220845	90-0806	90-0179	90-0802		90-0700		
150 A bevel	97-0200	97-0513	97-1365	97-0261	90-0405		97-0258	90-0700		
270 A bevel	97-0200	90-0491	97-0365	97-0279	90-0436		97-0276	90-0571		
400 A bevel	97-0200	97-4002	97-0365	90-0632	*220631		90-0530	90-0571		



### PHDX<sup>™</sup> SUITABLE FOR USE WITH LINCOLN® (KALIBURN®)† (50 - 400 AMP) CONSUMABLES















275 amp Stainless Steel consumables illustrated above

Stainless Steel									
Amperage	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube		
50 A	90-0747	90-0202	90-0755	90-0201	90-0180	90-0308	90-0340		
70 A	90-0747	90-0338	90-0755	90-0337	90-0179	90-0339	90-0340		
100 A	90-0747	90-0198	90-0755 (H35) 90-0756 (N2)	90-0197	90-0179	90-0307	90-0340		
200 A	90-0637	90-0762	*220758	90-0343	90-0342	90-0307	90-0340		
275 A	90-0637	90-0763	*220758	90-0406	90-0405	90-0307	90-0340		
400 A	90-0637	90-0707	*220712	90-0708	90-0405	90-0709	90-0571		
150 A bevel	90-0637	90-0738	*220739	90-0656	90-0179	90-0606	90-0340		
275 A bevel	90-0637	90-0738	*220739	90-0607	90-0405	90-0606	90-0340		

### PHDX<sup>™</sup> SUITABLE FOR USE WITH LINCOLN® (KALIBURN®)† (70 - 400 AMP) BEVELING CONSUMABLES















275 amp Aluminum consumables illustrated above

Aluminum								
Amperage	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube	
45 A	90-0747	90-0202	90-0756	90-0201	90-0180	90-0308	90-0340	
130 A	90-0747	90-0198	90-0755 (H35) 90-0756 (Air)	90-0197	90-0179	90-0307 (H35) 90-0181 (Air)	90-0340	
200 A	90-0637	90-0672	*220759	90-0346	90-0342	90-0307	90-0340	
275 A	90-0637	90-0763	*220758	90-0406	90-0405	90-0307	90-0340	
400 A	90-0637	90-0707	*220712	90-0708	90-0405	90-0709	90-0571	



### PHD™ 260 (50 – 260 AMP) TORCH CONVERSION KITS

Part #	Amperage	Power Supply	Plasma Gas	Shield Gas	Material	Notes
60-9951	260	260	02	Air	Mild Steel	
60-9952	200	260	02	Air	Mild Steel	
60-9953	130	260	02	Air	Mild Steel	
60-9954	80	260	02	Air	Mild Steel	
60-9905	50	260	02	Air	Mild Steel	
60-9907	260	260	02	Air	Mild Steel	Bevel
60-9910	130	260	02	Air	Mild Steel	Bevel

### **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®-260

### Made in the USA

Engineered and manufactured to stringent

tolerances

### Kit Includes

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





### **PHD™ 260 (30 – 260 AMP) CONSUMABLES**

(To be used with HPR® 260)















260 amp Mild Steel consumables illustrated above

	Mild Steel									
Amps	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube			
30 A	60-0173	60-0194	60-0313	*220193	60-0180	60-0192	60-0340			
50 A	60-0173	60-0555	60-0313	60-0554	60-0553	60-0552	60-0340			
80 A	60-0173	60-0189	60-0176	60-0188	60-0179	60-0187 / 60-0566 CleanCut™	60-0340			
130 A	60-0173	60-0183	60-0176	60-0182	60-0179	60-0181 / 60-0665 CleanCut™	60-0340			
200 A	60-0398	60-0356	60-0355	60-0354	60-0353	60-0352 / 60-0666 CleanCut™	60-0340			
260 A	60-0398	60-0440	60-0433	60-0439	60-0436	60-0435 / 60-0668 CleanCut™	60-0340			
130 A bevel	60-0398	60-0545	60-0603	60-0646	60-0179	60-0649	60-0571			
260 A bevel	60-0398	60-0545	60-0603	60-0542	60-0436	60-0541	60-0700			















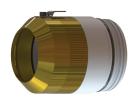
260 amp Stainless Steel consumables illustrated above

	Stainless Steel								
Amps	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube		
45 A	60-0173	60-0202	60-0304	60-0201	60-0180	60-0308	60-0340		
80 A	60-0173	60-0338	60-0304	60-0337	60-0179	60-0339	60-0340		
130 A	60-0173	60-0198	60-0304 (H35) 60-0176 (N2)	60-0197	60-0179	60-0307	60-0340		
200 A	60-0398	60-0345	60-0344	60-0343	60-0342	60-0307	60-0340		
260 A	60-0398	60-0407	60-0344	60-0406	60-0405	60-0307	60-0340		
130 A bevel	60-0398	60-0609	60-0608	60-0656	60-0179	60-0606	60-0571		
260 A bevel	60-0398	60-0609	60-0608	60-0607	60-0405	60-0606	60-0571		



### PHD™ 260 (45– 260 AMP) CONSUMABLES

(To be used with HPR® 260)















260 amp Aluminum consumables illustrated above

	Aluminum									
Amps	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube			
45 A	60-0173	60-0202	60-0176	60-0201	60-0180	60-0308	60-0340			
130 A	60-0173	60-0198	60-0304 (H35) 60-0176 (air)	60-0197	60-0179	60-0307 (H35) 60-0181 (air)	60-0340			
200 A	60-0398	60-0345	60-0347	60-0346	60-0342	60-0307	60-0340			
260 A	60-0398	60-0407	60-0344	60-0406	60-0405	60-0307	60-0340			



### **PHD™ 2000 (50 – 200 AMP) COMPLETE KITS**

Part #	Amperage	Power Supply	Plasma Gas	Shield Gas	Material
55-9901	200	2000	02	Air	Mild Steel
55-9903	100-130	2000	02	Air	Mild Steel
55-9905	50	2000	02	02	Mild Steel
55-9908	200	2000	02	Air	Mild Steel
55-9910	100-130	2000	02	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®, Kaliburn® 2200, Kaliburn® 2260,

Hypertherm®

### 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
- 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





### PHD™ 2000 (50 – 260 AMP) CONSUMABLES















260 amp Mild Steel consumables illustrated above

Mild Steel									
Amps	Outer Retainer	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	Water Tube		
50 A	55-0173	55-0555	55-0313	55-0554	55-0553	55-0552	60-0340		
100 A	55-0173	55-0983	55-0176	55-0510	55-0179	55-0181 60-0665 CleanCut™	60-0340		
200 A	55-0398	55-0440	55-0433	55-0439 (2000) 55-0200 (200)	55-0436	55-0435	60-0340		
130 A bevel	55-0398	55-0645	55-0603	55-0646	55-0179	55-0649	60-0700		
260 A bevel	55-0998	55-0545	55-0603	55-0542	55-0436	55-0541	60-0571		

Note: 55-0998 does not have IHS tab















260 amp Stainless Steel consumables illustrated above

	Stainless Steel									
Amps	Outer Retainer	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	Water Tube			
40 A	55-0173	55-0202	55-0304	55-0901	55-0180	55-0308	60-0340			
100 A	55-0173	55-0198	55-0176	55-0197	55-0179	55-0307	60-0340			
200 A	55-0398	55-0407	55-0344	55-0406	55-0405	55-0307	60-0340			
130 A bevel	55-0398	55-0609	55-0608	55-0656	55-0179	55-0606	60-0571			
200 A bevel	55-0998	55-0609	55-0608	55-0607	55-0405	55-0606	60-0571			

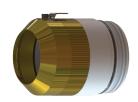
Note: 55-0998 does not have IHS tab

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### AMERICAN TORCH TIP®

### PHD™ 2000 (40 – 200 AMP) CONSUMABLES















260 amp Aluminum consumables illustrated above

	Aluminum									
Amps	Outer Retainer	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	Water Tube			
40 A	55-0173	55-0202	55-0304	55-0901	55-0180	55-0308	60-0340			
100 A	55-0173	55-0198	55-0304 Air 55-0176 H35	55-0197	55-0179	55-0181 Air 55-0307 H35	60-0340			
200 A	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			



### 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



### AJAN® STYLE 17

### COMPATIBLE WITH HP260A MILD STEEL<sup>†</sup>















Amps	Shield Cap	Shield	Gas Ring	Nozzle	Swirl Ring	Electrode	Water Tube		
Mild Steel									
30	T-11408	T-11334	T-11328	T-11329	T-11338	T-11341	T-11327		
40	T-11408	T-11335	T-11328	T-11330	T-11338	T-11341	T-11327		
80	T-11408	T-11336	T-11328	T-11331	T-11338	T-11341	T-11327		
130	T-11408	T-11336	T-11328	T-11332	T-11339	T-11342	T-11327		
260	T-11408	T-11337	T-11328	T-11333	T-11340	T-11343	T-11327		



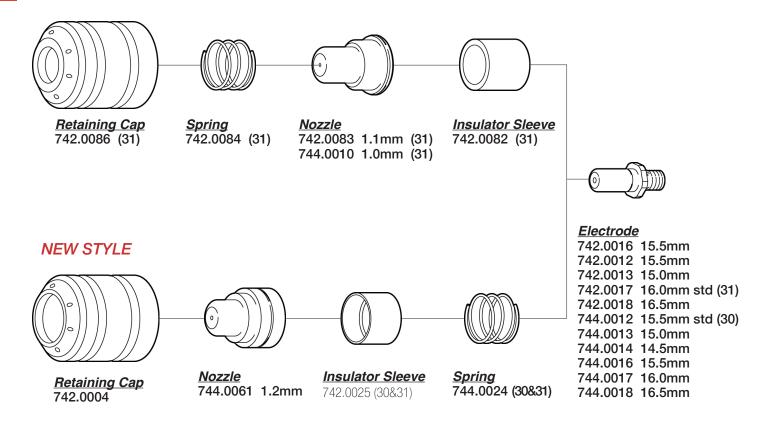
Consumable Removal Tool T-11351



### 18 BINZEL® STYLE

### COMPATIBLE WITH BINZEL® 30 & 31<sup>†</sup>

### **OLD STYLE**

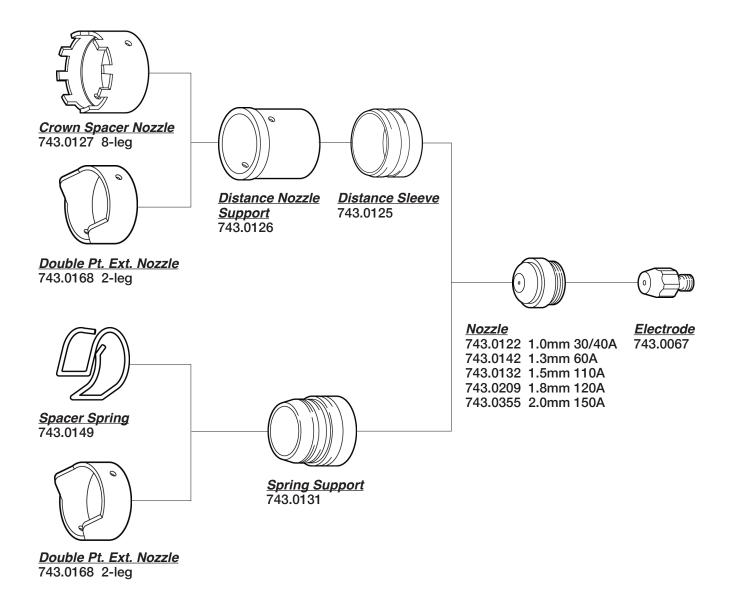


Not Shown 744.0011 Retaining Cap (old)



### BINZEL® STYLE 19

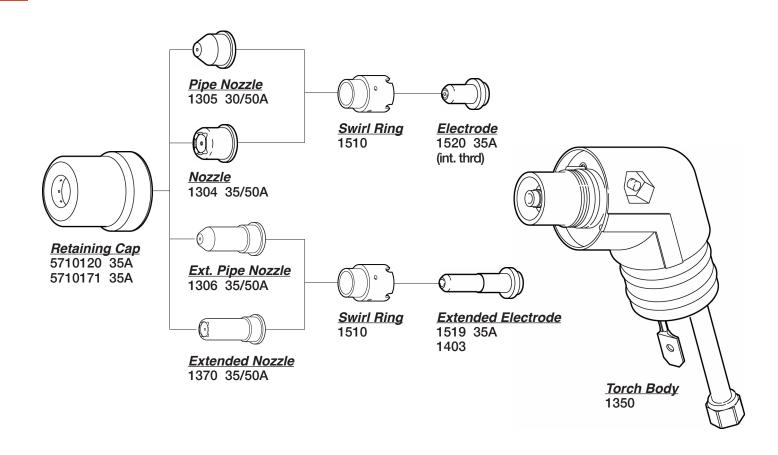
### COMPATIBLE WITH BINZEL® 80 & 120<sup>†</sup>





### **20** CEBORA® STYLE

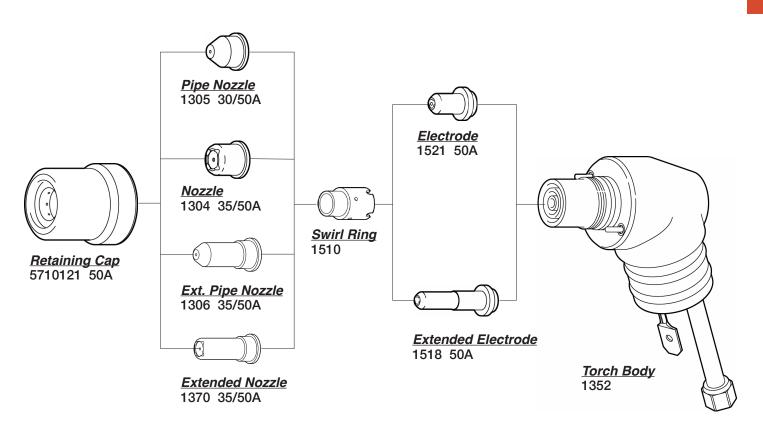
### COMPATIBLE WITH CEBORA® 20-35†





### CEBORA® STYLE 21

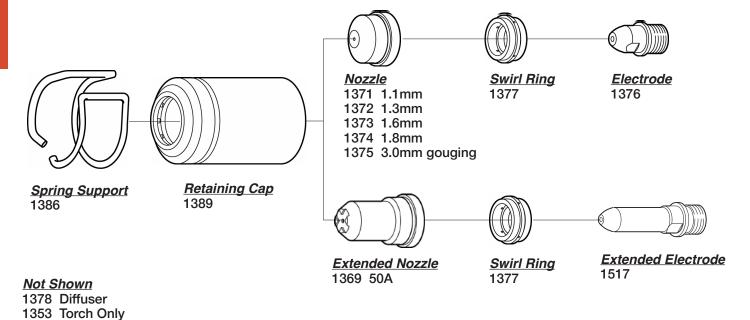
### **COMPATIBLE WITH CEBORA® 20-50†**





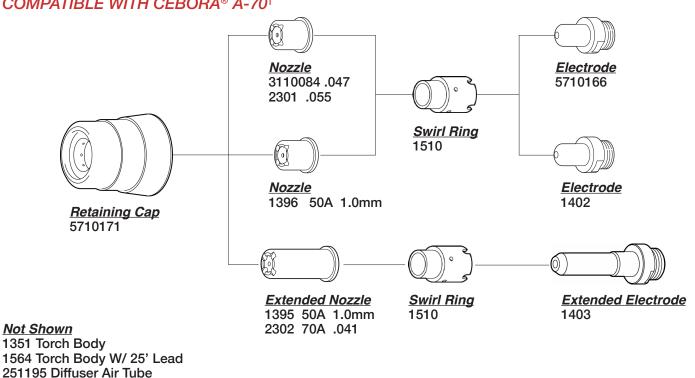
### 22 **CEBORA® STYLE**

### **COMPATIBLE WITH CEBORA® 150†**



### 1576 Torch with Leads

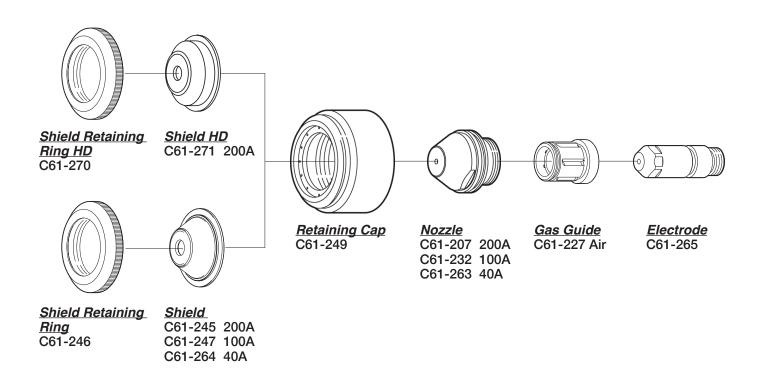
### COMPATIBLE WITH CEBORA® A-70<sup>†</sup>





### CENTRICUT® STYLE 23

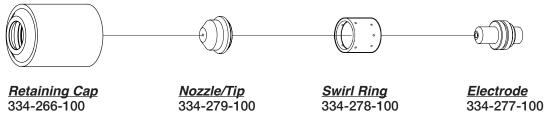
### COMPATIBLE WITH CENTRICUT® SE200†





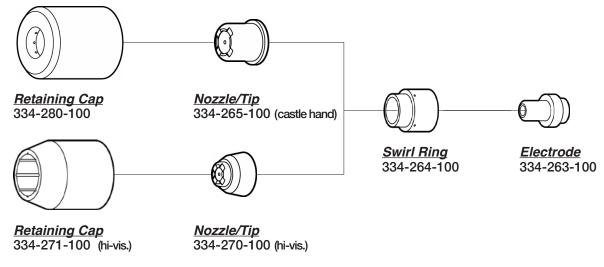
### 24 CENTURY® STYLE

### **COMPATIBLE WITH CENTURY® 20-20†**



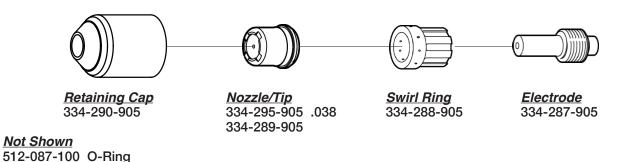
Not Shown 512-087-100 O-Ring

### **COMPATIBLE WITH CENTURY® 20-40†**



Not Shown 512-087-100 O-Ring

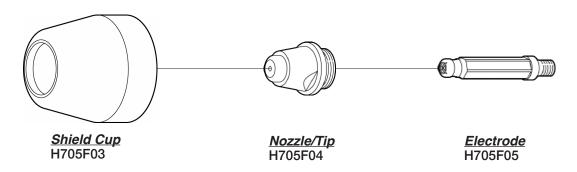
### **COMPATIBLE WITH CENTURY® 20-50†**





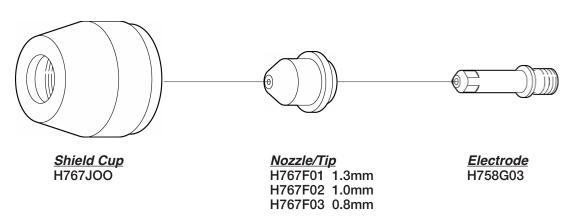
### DAIHEN® STYLE 25

### **COMPATIBLE WITH DAIHEN® 30†**



# Shield Cup H669G04 Nozzle/Tip H669G05 Electrode H669G11

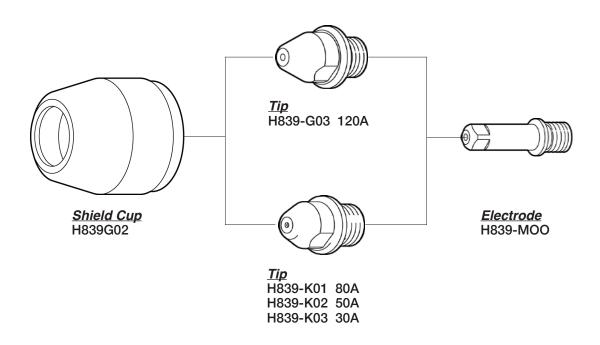
### COMPATIBLE WITH DAIHEN® 80<sup>†</sup>



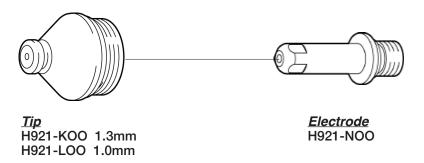


### 26 DAIHEN® STYLE

### **COMPATIBLE WITH DAIHEN® CT120†**



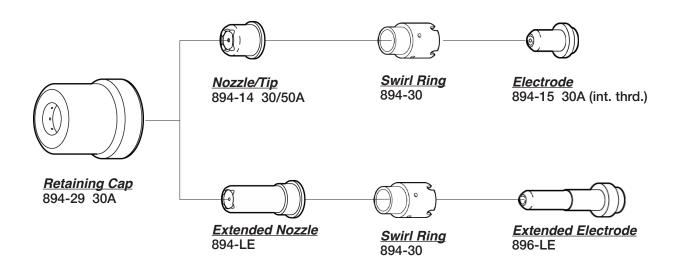
### **COMPATIBLE WITH DAIHEN® GCPT1201**†

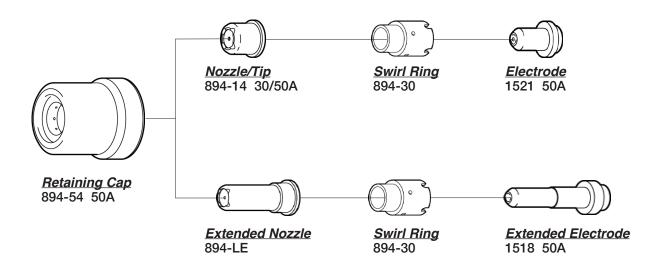




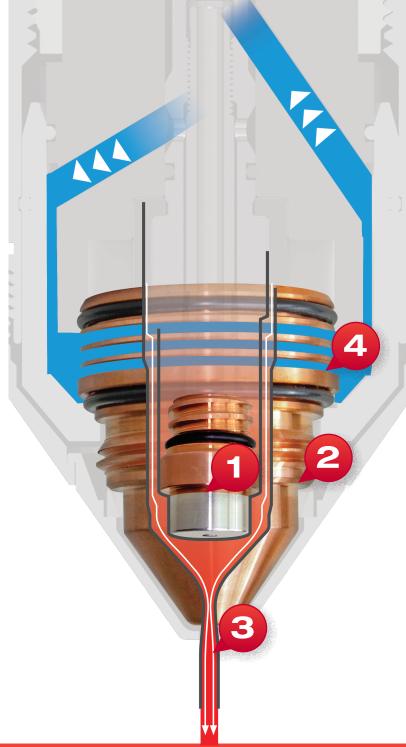
### DAYTONA MIG® STYLE 27

### COMPATIBLE WITH DAYTONA MIG® 20/35 20/50†





## Clean Cut. Next-Generation Plasma Consumables From American Torch Tip



# BURN LONGER. CUT CLEANER. Clean Cut

### **Designed to Work Together**

- 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
- Enhance Coolant Exposure
  - 3x larger surface area exposed to coolant

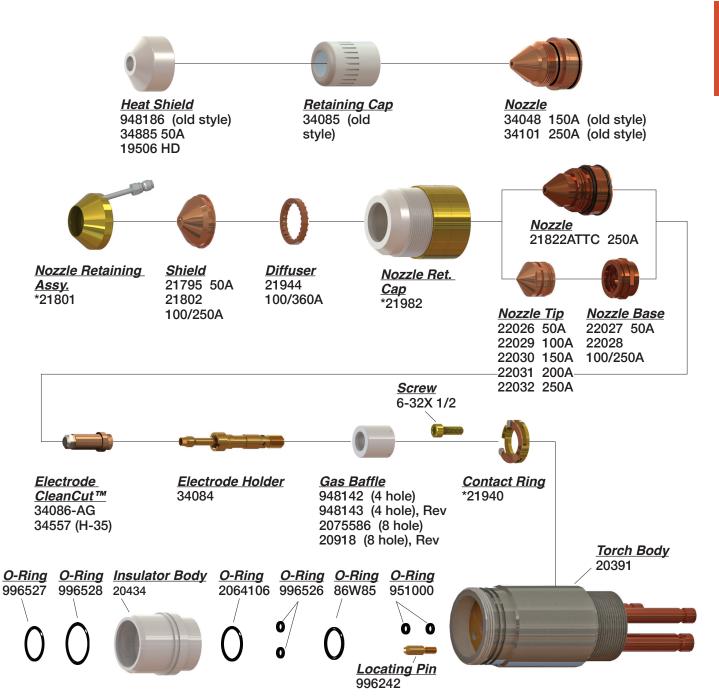
To learn more, visit:
AmericanTorchTip.com/cleancut
800-342-8477 • 941-753-7557







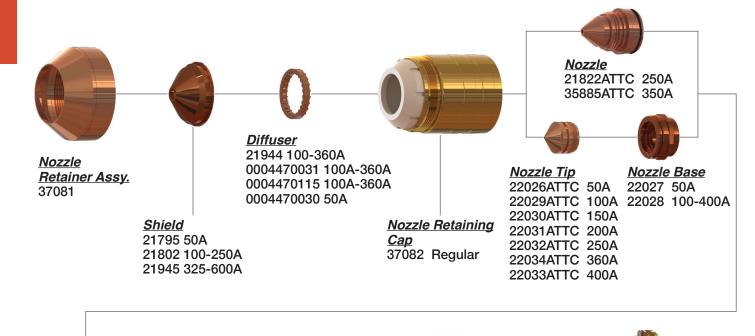
### COMPATIBLE WITH ESAB/L-TEC® PT-19XL†

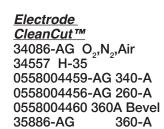


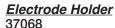
Not Shown
22195 Nozzle 400 Amp
22196 Electrode 400 Amp
34357 Pilot Arc Cable 6'
21551 Sleeve-Air Curtain Long
other lengths available



### COMPATIBLE WITH ESAB/L-TEC® PT-19XLS†

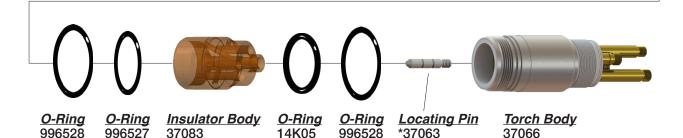






Gas Baffle Screw 948142 \*37073 948143 0558001625 (8 hole) 0558002530 (8 hole-Rev)



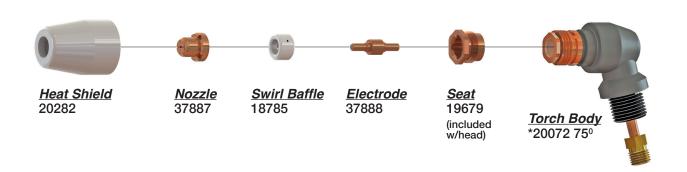


### Not Shown

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



### COMPATIBLE WITH ESAB/L-TEC® PT-34<sup>†</sup>



### COMPATIBLE WITH ESAB/L-TEC® PT-36 XR (M3®)†



Shield Retainer 0558009548



**Shield** 0558010766 6.6mm 0558009551 5.1mm 0558009425 micro 2.5mm



**Diffuser** 0004470030 (50A) 0004470031 (100-600A) \*0004470115 (100-600A CCW) 21944 (100-600A) 22496 (100-600A CCW)



Retaining Cap \*0558009550



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

0558009410ATTC 1.0mm micro (60A)



**Electrode** <u>CleanCut™</u> 0558012000ATTC (O2) 0558009400ATTC micro

Gas Baffle 0558001625 (8 Hole) 300-600A 0558002530 (8 Hole rev.)

0558002533 (4 Hole) 100-280A 0558002534 (4 Hole rev.)



Contact Ring 37071



0558003924ATTC

Torch Body

Torch Receptacle

## AMERICAN AT

### *32* ESAB/L-TEC® STYLE

### COMPATIBLE WITH ESAB/L-TEC® PT-36 (M3®)†



Shield Retainer 37081



Shield

0558007624 2.4mm 45-55A 0558009425 2.5mm 30-60A 0558006130 3.0mm 35-50A 0558006141 4.1mm 100-280A 0558006166 6.6mm 260-450A 0558006199 9.9mm 360-600A



<u>Diffuser</u>

0004470030 (50A) 0004470031 (100-600A) \*0004470115 (100-600A CCW) 21944 (100-600A)

22496 (100-600A CCW)



Retaining Cap 37082











Contact Ring

**Nozzle** 0558006010ATTC 1.0mm (50A)

0558006014ATTC 1.4mm (100A) 0558006018ATTC 1.8mm (130A) 05 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)

Electrode CleanCut™

0558003914-AG (50-450)

\*0558005459ATTC (low curr)

0558003928ATTC (N2/H35)

Gas Baffle

0558001625 (8 Hole) 300-600A 37071

0558002530 (8 Hole rev.)

0558002533 (4 Hole) 100-280A 0558002534 (4 Hole rev.)

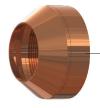


Torch Body

Torch Receptacle



### COMPATIBLE WITH ESAB/L-TEC® PT-600†







<u>Shield</u> 21802 100-150A 21945 360A 22498 (reverse) 0558004678 70/200A



Gas Diffuser 21944 \*22496 (ccw) 0004470030 50A

0004470031 100A-600A 0004470115 100A-600A \*OEM (ccw)



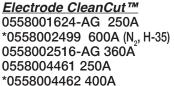
Nozzle Retaining Cup 37082





0558001883ATTC 150A 0558001884ATTC 200A 0558001623ATTC 250A 0558001885ATTC 360A 0558001886ATTC 400A 0558001887ATTC 600A







Electrode Holder 0558001621 Gas Baffle

 Gas Baffle
 Contact Ring

 0558001625 (8 hole)
 37071

 0558002530 (reverse)
 0558002533 (4 hole)

 0558002534 (4 hole rev.)
 \*0558005457 (4x.022)

**Not Shown** 

\*0558001626 Torch Sleeve \*0558001628 Holder Removal Tool

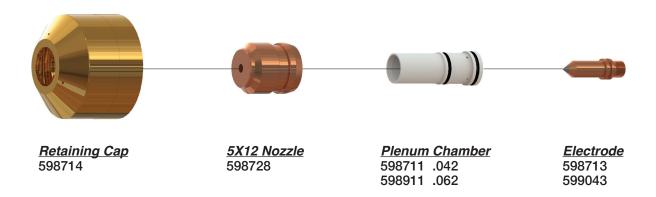
\*0558001825 Torch Body

\*0558005306 Nozzle

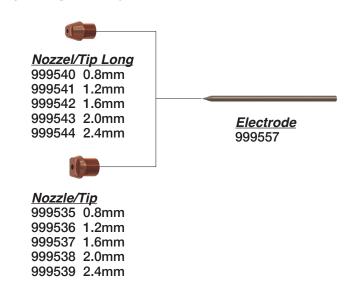
\*0558001825 Nozzle Shield .160



### COMPATIBLE WITH ESAB/L-TEC® PT-7/11<sup>†</sup>



### COMPATIBLE WITH ESAB/L-TEC® PT-16<sup>†</sup>





### COMPATIBLE WITH ESAB/L-TEC® PT-15XL FOR NITROGEN<sup>†</sup>



Retaining Cap 20402



Retaining Cap 20758



Retaining Cap 20759



<u>Gasket</u> 996628



**Insulator** 2075606 .225 2075607 .260





Cent. Sleeve 996618



<u>Spacer</u> 996619



Swirl Ring 2075616 (rev)



Nozzle Base 2075584 (std) #2075608 .156 #2075609 .200 #2075610 .230 #2075694 .125



Nozzle Assy.

#2075611 .156



**Electrode** 

600236



2075343

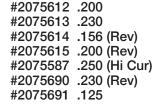


**Screw** 6-32X 1/2"



Swirl Baffle 2075341 2075360 (Rev)

Contact Ring 21940





O-Ring O-Ring 996526 951000



O-Ring O-Ring 996527 996528

Insulator Body 20755 996232

**O-Ring** 2064106

O-Ring 86W85

**Locating Pin** 996242



Torch Body 20754

### Pilot Arc Cable 34357 6', ESP 21263 15', ESP

21258 20', ESP 21265 25', ESP 20760 6', PCM-8

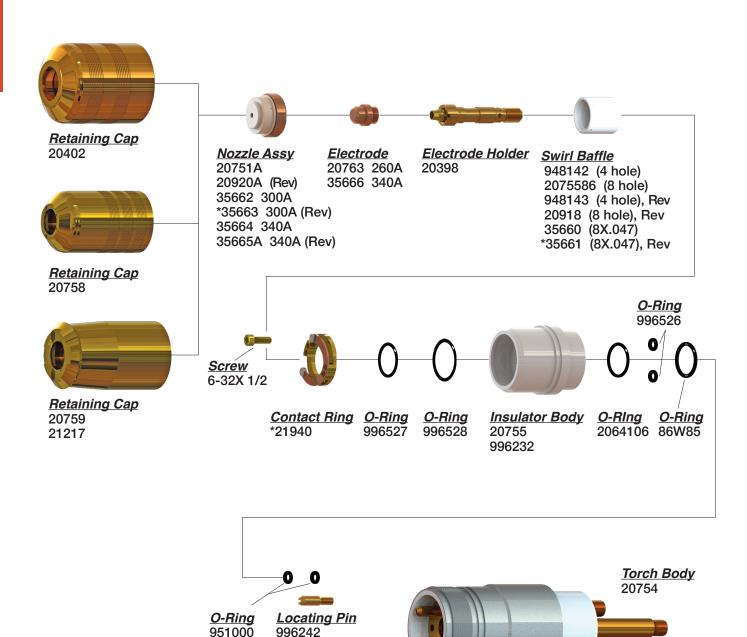
### Not Shown

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

### AMERICAN ATTC TORCH TIP ATTC

### 36 ESAB/L-TEC® STYLE

### COMPATIBLE WITH ESAB/L-TEC® PT-15XL FOR OXYGEN<sup>†</sup>



### **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

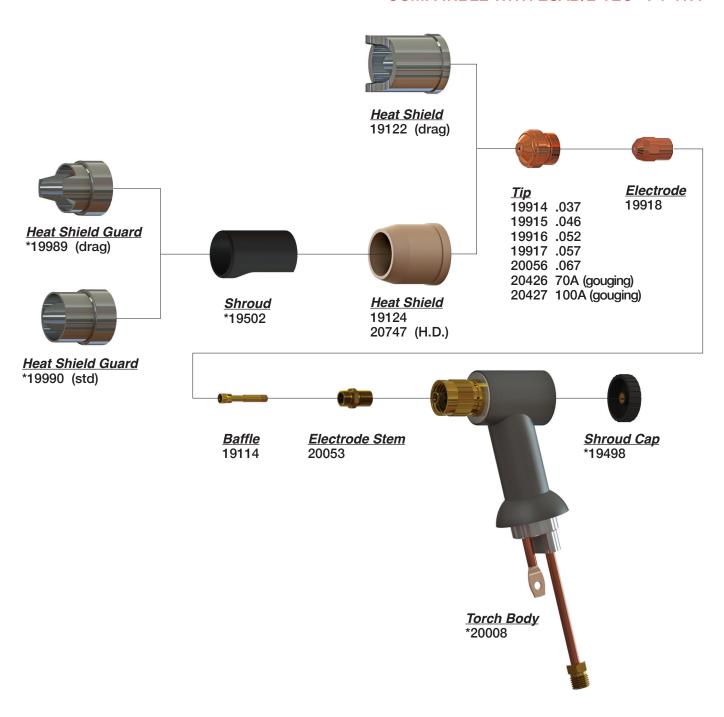
### Pilot Arc Cable

34357 Pilot Arc Cable 6', ESP 21263 Pilot Arc Cable 15', ESP 21258 Pilot Arc Cable 20', ESP 21265 Pilot Arc Cable 25', ESP

20760 Pilot Arc Cable 6', PCM-8



#### COMPATIBLE WITH ESAB/L-TEC® PT-17A†

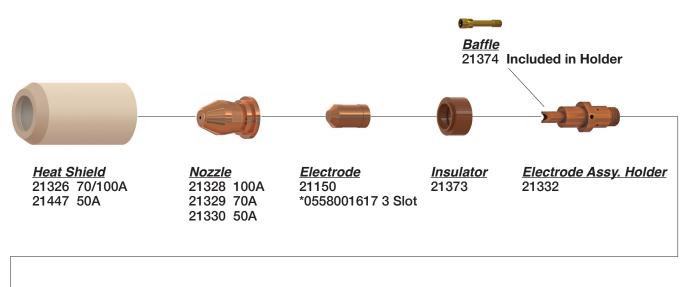


#### Not Shown

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



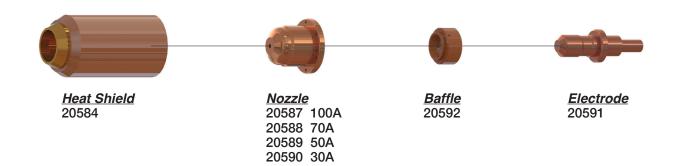
# COMPATIBLE WITH ESAB/L-TEC® PT-20AM<sup>†</sup>





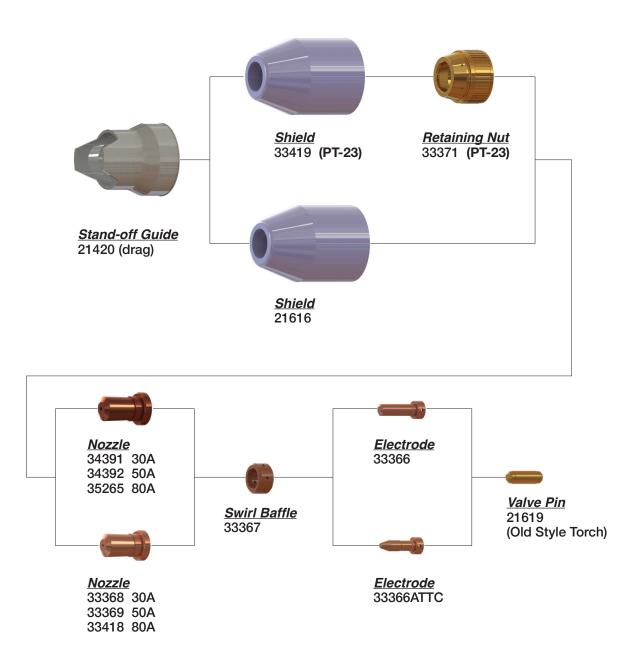
Electrode Seat 21372

#### COMPATIBLE WITH ESAB-L-TEC® PT-20M<sup>†</sup>





#### COMPATIBLE WITH ESAB/L-TEC® PT-23 & 27<sup>†</sup>

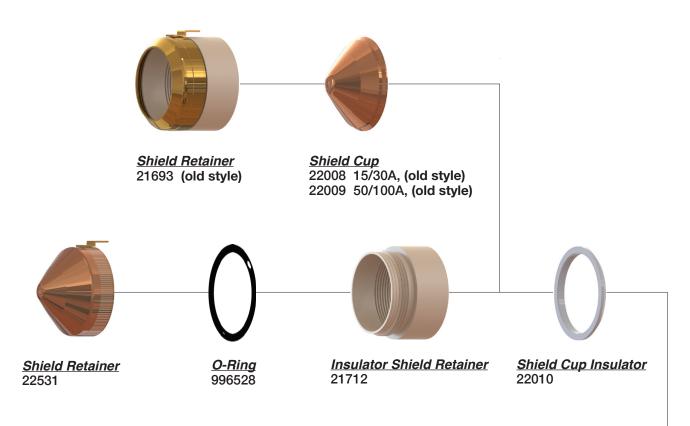


#### **Not Shown**

- \*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



#### COMPATIBLE WITH ESAB/L-TEC® PT-24<sup>†</sup>





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) 0558004454-AG

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

Water Baffle 21725

Not Shown \*21758 Torch Body



#### COMPATIBLE WITH ESAB/L-TEC® PT-25†













**Shield** \*21654 (Std) 21660 (Long)

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

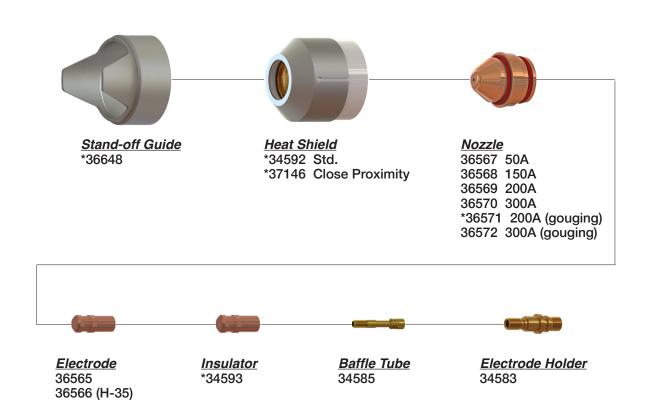
Swirl Ring 21667 0558001457 OEM\* (Euro Torch)

**Electrode** 21595 \*21780(H35) 0558000732 0558000733 Electrode Holder 21657 0558000731

**Not Shown** \*21625 (Torch Head) \*344019 O-Ring 0558001457 Swirl Baffle



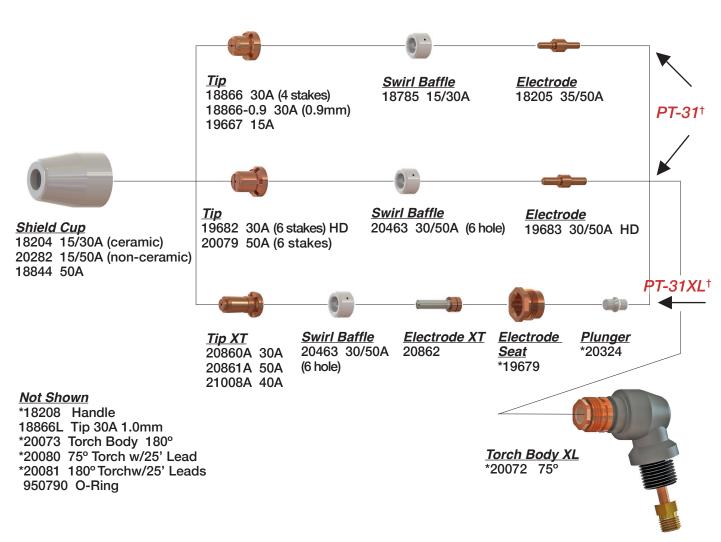
#### COMPATIBLE WITH ESAB/L-TEC® PT-26†



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



# COMPATIBLE WITH ESAB/L-TEC® PT-31 & 31XL†



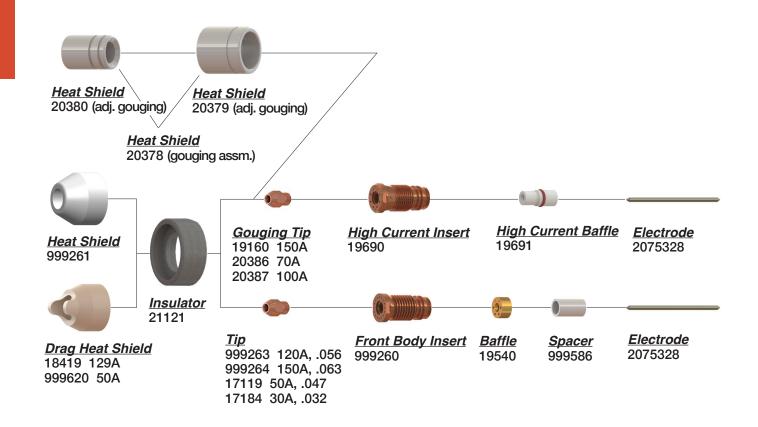
#### COMPATIBLE WITH ESAB/L-TEC® PT-32EH (PCM 875)†



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



#### COMPATIBLE WITH ESAB/L-TEC® PT-121<sup>†</sup>





Long Heat Shield 18363 \*31411, gouging

<u>Insulator</u> 99 21121 99

*Tip* 999263 120A, .056 999264 150A, .063 17119 50A, .047 17184 30A, .032

Long Insert 18364

*<u>Baffle</u>* 19540

*Spacer* 999586

Long Electrode 18362 31098 (250)

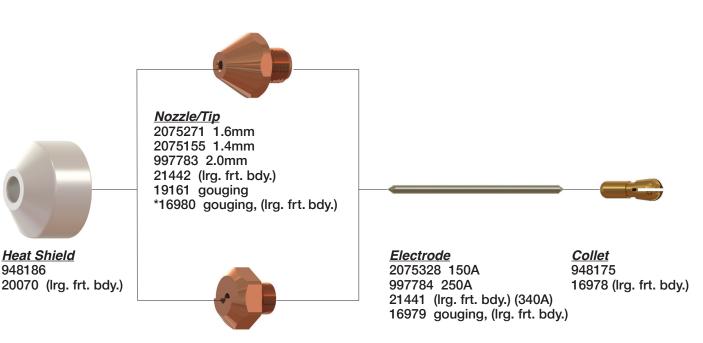
#### Not Shown

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

† American Torch Tip Company (ATTC) is a proud US manufacturer of more than 80 years producing products for 6 major cutting and welding technologies. ATTC is in no way affiliated with the above-named original equipment manufacturer(s). References to the above-named manufacturers, tradenames and part numbers are for your convenience 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, original equipment manufacturer (DEM) and are simply being re-sold by American Torch Tip. Footnodes: \*= 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. PHDTM, PHDTM, Lightning\*®, Waltec\*TM, Integra\*TM, Lasertec\*® Laser Division of American Torch Tip.®, Multi-Use\*TM and ProMix\*TM are trademarks owned by American Torch Tip Company. © Copyright 2024, American Torch Tip Company



#### COMPATIBLE WITH ESAB/L-TEC® PT-251†



<u>Electrode Centering Tool</u> 948178

#### **Not Shown**

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

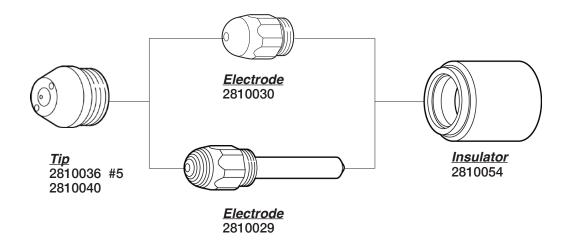
#### **NOTE**

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

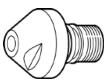


# 46 HARRIS® STYLE / HETTIGER® STYLE

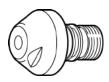
# HARRIS® Style



# **HETTIGER®** Style



*Tip* Hettiger 27.6mm X 4.0mm

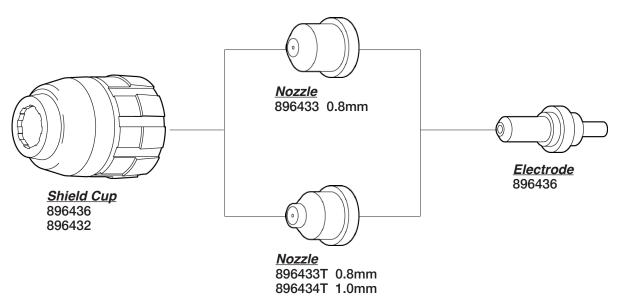


*Tip*Hettiger #1
30.5mm X 4.0mm

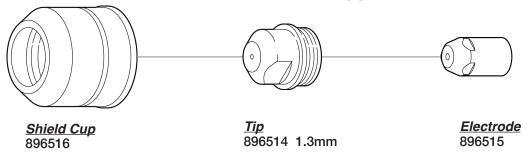


# HITACHI® STYLE 47

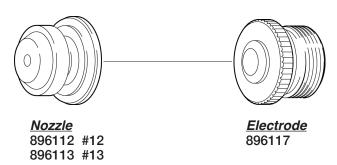
#### **COMPATIBLE WITH HITACHI® PTP-51**†



#### **COMPATIBLE WITH HITACHI® PTP-81**†



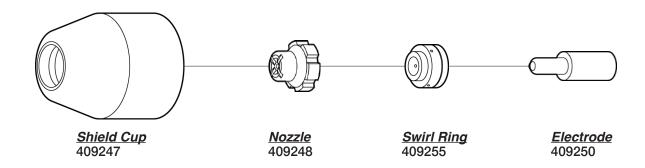
#### COMPATIBLE WITH HITACHI® UG-31<sup>†</sup>



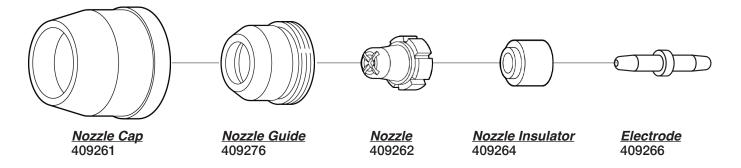


# 48 HOBART® STYLE

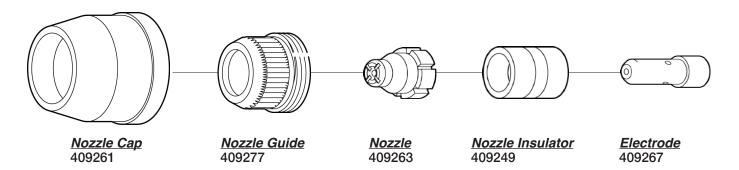
#### **COMPATIBLE WITH HOBART® TP-3A†**



#### COMPATIBLE WITH HOBART® TP-6A/P†



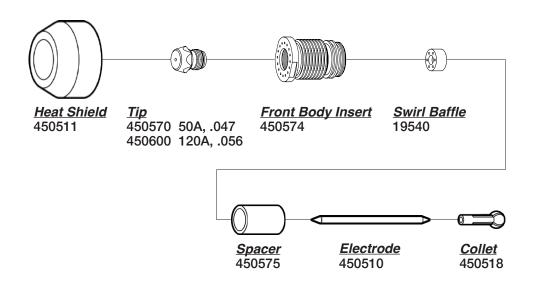
#### COMPATIBLE WITH HOBART® TP-10A/P<sup>†</sup>





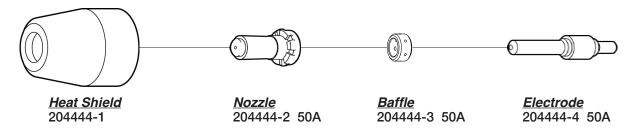
# HOBART® STYLE 49

# **COMPATIBLE WITH HOBART® TP-12**†



Not Shown 450519 Gasket 450522 O-Ring

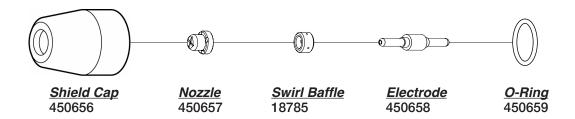
# COMPATIBLE WITH HOBART® ST-50A (625I)†



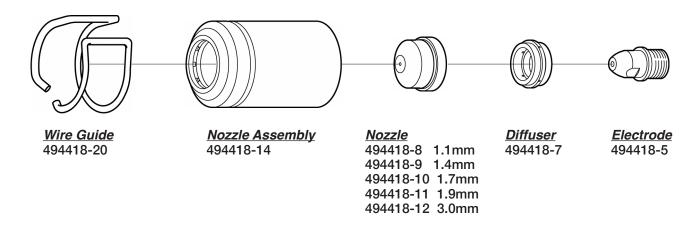


# 50 HOBART® STYLE

#### COMPATIBLE WITH HOBART® HSC-30A†

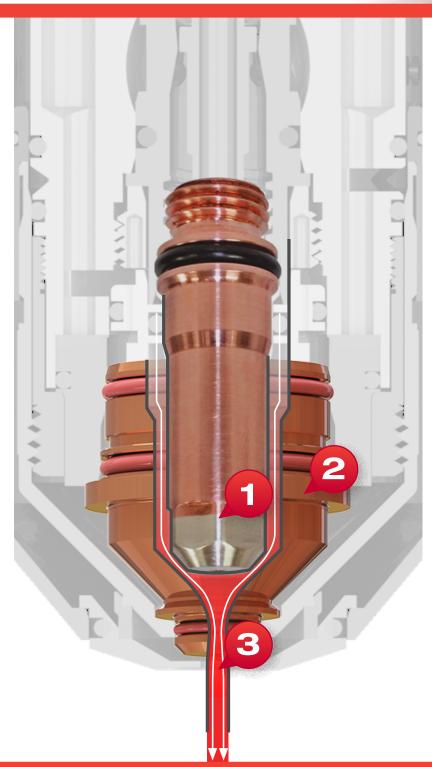


#### **COMPATIBLE WITH HOBART® 120†**



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

# Clean Cut Next-Generation Plasma Consumables From American Torch Tip



# BURN LONGER. CUT CLEANER. Clean Cut.

# **Designed to Work Together**

- 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









# COMPATIBLE WITH HYPERTHERM® HPR130® & 260®†















Amperage	Amnerage Shield Can Shield		Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
Mild Steel							
30	220173ATTC	220194	220313ATTC	220193ATTC	220180 (30-45A)	220192ATT	220340ATTC
80	220173ATTC	220189ATTC	220176ATTC	220188ATTC	220179	220187ATT	220340ATTC
130	220173ATTC	220183ATTC	220176ATTC	220182ATTC	220179	220181ATT	220340ATTC
200	220398ATTC	220356ATTC	220355ATTC	220354ATTC	220353	220352ATT	220340ATTC
260	220398ATTC	220440ATT	220433ATTC	220439ATTC	220436	220435ATT	220340ATTC
Stainless St	eel						
80	220173ATTC	220198ATTC	220304ATTC (H35)	220337ATTC	220179	220339ATT	220340ATTC
130	220173ATTC	220198ATTC	220304ATTC (H35) 220176ATTC (N2)	220197ATTC	220179	220665ATTC CleanCut™ 220307ATT	220340ATTC
200	220398ATTC	220345ATTC	220344ATTC	220343ATTC	220342	220666ATTC CleanCut™ 220307ATT	220340ATTC
260	220398ATTC	220407ATT	220344ATTC	220406ATTC	220405	220668ATTC CleanCut™ 220307ATT	220340ATTC

Not Shown 220644ATTC Inner Retainer 100A 220347ATTC Inner Retainer Cap 220202 Shield 45A



#### COMPATIBLE WITH HYPERTHERM® HPR260® (BEVELING)†













Amperage	Shield Cap	Shield	Nozzle Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube			
Mild Steel										
130	220398ATTC	220645ATTC	220603ATTC	220646ATTC	*220179	220649ATTC	220571ATTC			
260	220398ATTC	220545ATTC	220603ATTC	220542ATTC	*220436	220541ATTC	220700ATTC			
Stainless St	Stainless Steel									
130	220398ATTC	220609ATTC	220608ATT	220656ATTC	*220179	220606ATTC	220571ATTC			
260	220398ATTC	220609ATTC	220608ATT	220607ATTC	*220436	220606ATTC	220700ATTC			

Not Shown \*120651 Torch Body



# COMPATIBLE WITH HYPERTHERM® HPR260XD®/HPR400XD® (30 AMP TO 400 AMP)†















260 amp Mild Steel consumables illustrated above

				Mild Steel			
Amperage	Shield Cap	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube
30 A	220747	220194ATTC	220754	220193ATTC	220180	220192ATTC	220340ATTC
50 A	220747	220555ATTC	220754	220554ATTC	220553	220552ATTC	220340ATTC
80 A	220747	220189ATTC	220756	220188ATTC	220179	420566 CleanCut™ 220187ATTC	220340ATTC
130 A	220747	220183ATTC	220756	220182ATTC	220179	220181ATTC 220665ATTC CleanCut™	220340ATTC
200 A	*220637	*220761	*220757	220354ATTC	220353	220352ATTC 220666ATTC CleanCut™	220340ATTC
260 A	*220637	*220764	*220760	220439ATTC	220436	220435ATTC 220668ATTC CleanCut™	220340ATTC
400 A	90-4000	90-4002	90-4001	220632ATTC	*220631	220629ATT 420530ATTC CleanCut™	
130 A bevel	90-0637	90-0742	*220740	220646ATTC	220179	220649ATT	220700ATTC
200 A bevel	90-0637	90-0658	*220845	220659ATTC	220353	220662ATTC	220700ATTC
260 A bevel	90-0637	90-0741	*220740	220542ATTC	220436	220541ATT	220571ATTC
400 A bevel	90-4000	90-4002	90-4001	220632ATTC	*220631	220629ATT	220571ATTC



# COMPATIBLE WITH HYPERTHERM® HPR260XD®/HPR400XD® (45 AMP TO 400 AMP)†















260 amp Stainless Steel consumables illustrated above

	Stainless Steel											
Amperage	Shield Cap	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube					
45 A	220747	220202	220755	220201ATTC	220180	220308ATTC	220340ATTC					
80 A	220747	220338ATTC	220755	220337ATTC	220179	220339ATTC	220340ATTC					
130 A	220747	220198ATTC	220755 (H35) 220756 (N2)	220197ATTC	220179	220307ATTC	220340ATTC					
200 A	*220637	*220762	*220758	220343ATTC	220342	220307ATTC	220340ATTC					
260 A	*220637	*220763	*220758	220406ATTC	220405	220307ATTC	220340ATTC					
400 A	*220637	*220707	*220712	220708ATTC	220405	220709ATT	220571ATTC					
130 A bevel	*220637	*220738	*220739	220656ATTC	220179	220606ATT	220571ATTC					
260 A bevel	*220637	*220738	*220739	220607ATTC	220405	220606ATT	220700ATTC					
400 A bevel	*220657	*220707	*220712	220708ATTC	220405	220709ATT	220571ATTC					















130 amp Aluminum consumables illustrated above

	Aluminum										
Amperage	Shield Cap	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube				
45 A	220747	220202	220756	220201ATTC	220180	220308ATTC	220340ATTC				
130 A	220747	220198	220755 (H35) 220756 (Air)	220197ATTC	220179	220307ATTC (H35) 220181ATTC (Air)	220340ATTC				
200 A	*220637	*220762	*220759	220346ATTC	220342	220307ATTC	220340ATTC				
260 A	*220637	*220763	*220758	220406ATTC	220405	220307ATTC	220340ATTC				
400 A	220637ATTC	220707ATTC	*220712	220708ATTC	220405	220709ATT					



# COMPATIBLE WITH HYPERTHERM® HYPRO® 2000†









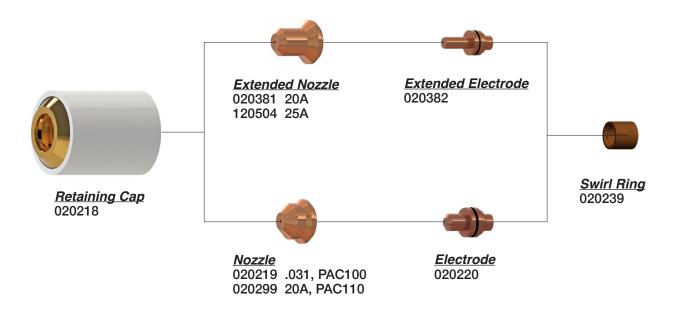




Amperage	Shield	Shield Cap	Nozzle	Swirl Ring	Electrode	Water Tube
O2 — Mild St	teel					
50	220532	220936 220935 (without tab)	220891ATTC	*220529	220528ATTC	220521ATTC
130	220491	220936 220935 (without tab)	220893ATTC	*220488	220847ATTC 420185 CleanCut™	220521ATTC
200	220832	220936 220935 (without tab)	220831ATTC	*220834	220937ATTC 220925ATTC CleanCut™	220521ATTC
Air — Mild St	teel – Stair	nless Steel – Aluminum				
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
N2 — Stainle	ss Steel –	Aluminum				
200	420045	220936 220935 (without tab)	420044ATTC	*220529	020415ATTC	220521ATTC



# COMPATIBLE WITH HYPERTHERM® MAX-20® (PAC110) POWERMAX 30®†



#### **Not Shown**

\*001192 Handle

005094 Switch, Push Button

\*020588 Torch Body 026016 O-Ring (red)

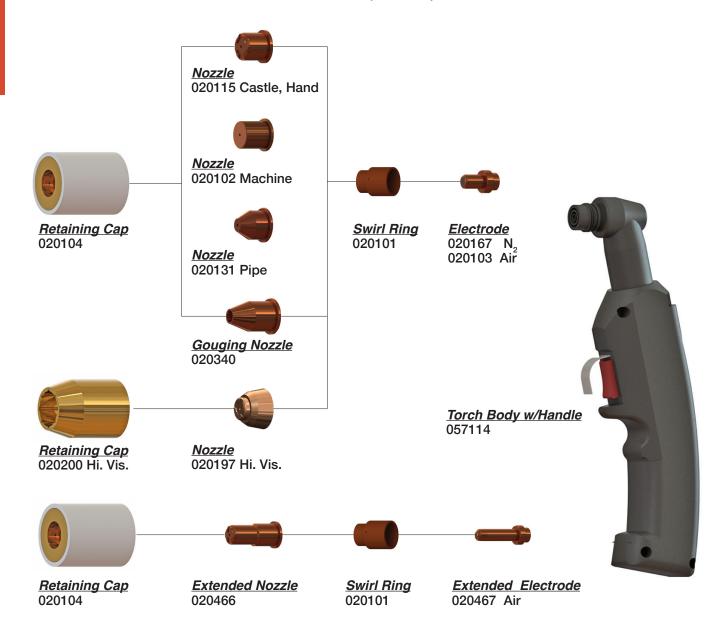
\*028482 Torch w/Kit

044016 O-Ring (black) \*070057 Torch w/15' Leads

\*070058 Torch w/25' Leads



# COMPATIBLE WITH HYPERTHERM® MAX-40® (PAC140)†



#### 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

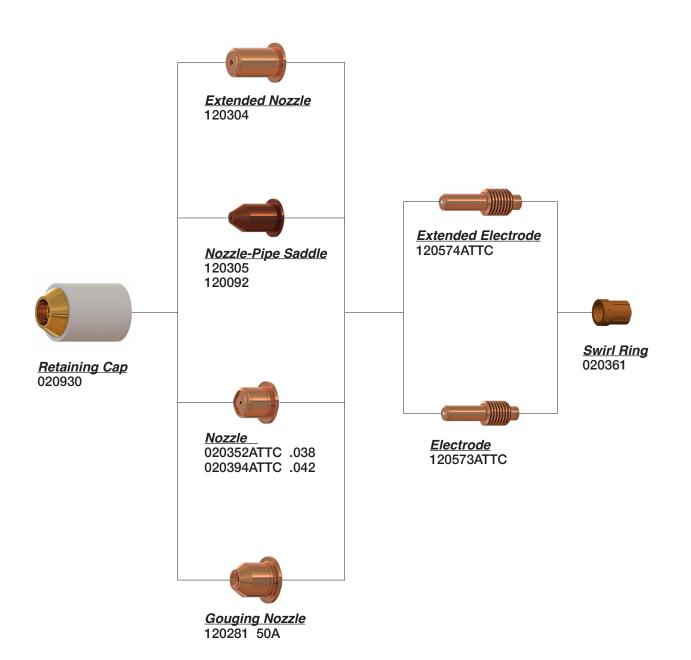
044016 O-Ring (black)

057112 75° Torch w/25' Lds Hand

057053 180° Torch w/25' Lds Mach.



#### COMPATIBLE WITH HYPERTHERM® MAX-40CS/42/43®†



**Not Shown** 

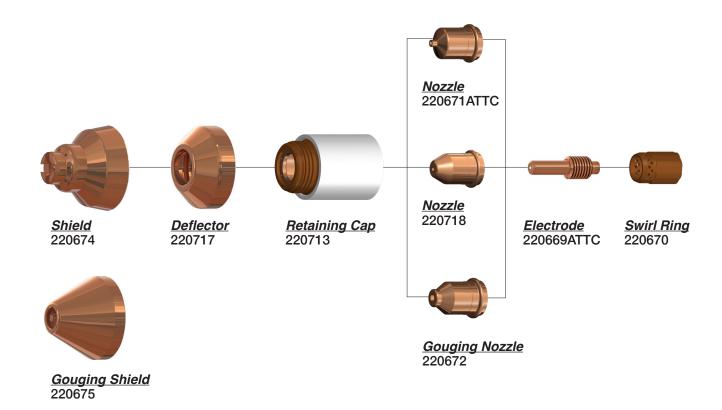
\*001215 Handle

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

\*120013 Torch Body PAC121P, w/Switch

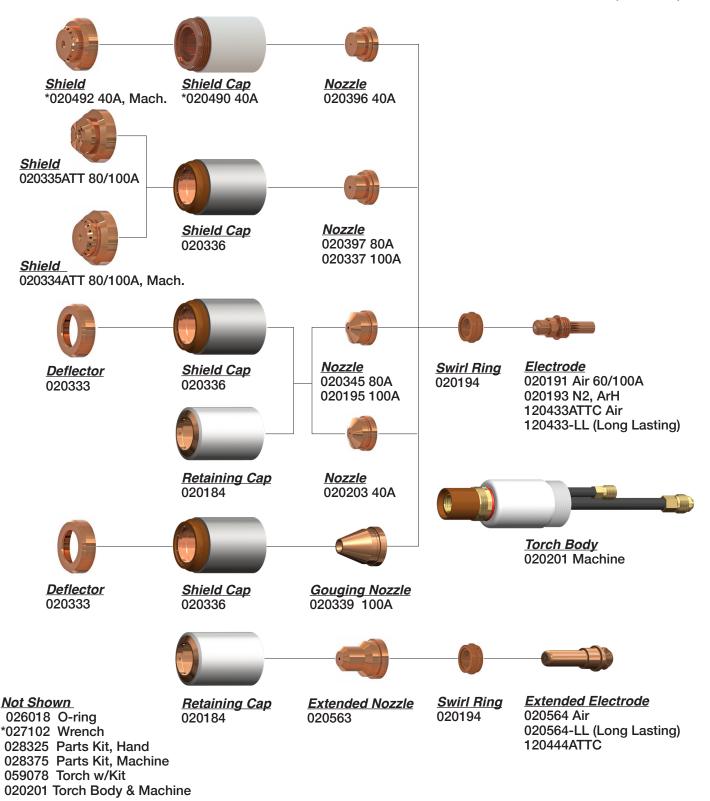


# **COMPATIBLE WITH HYPERTHERM® MAX-45®†**



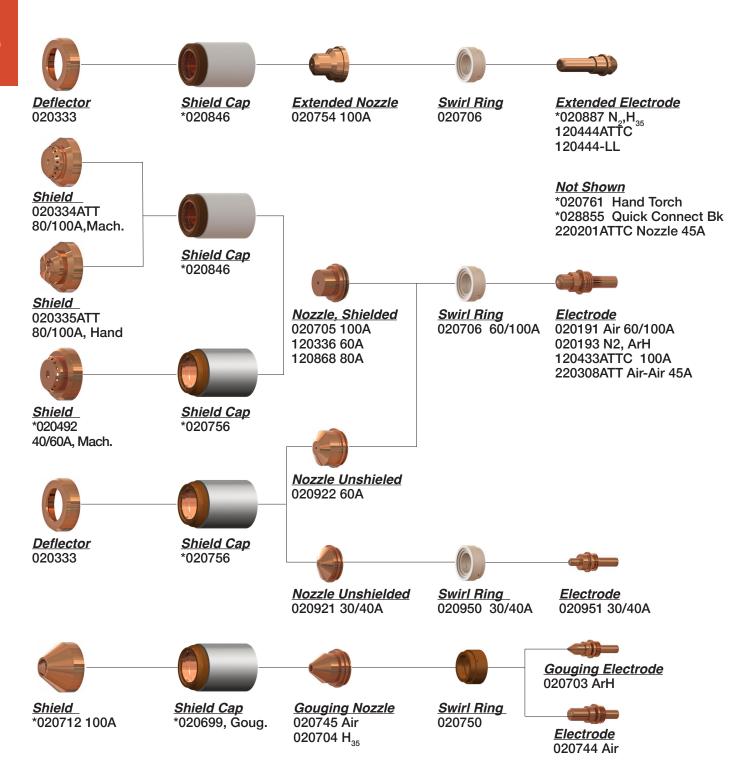


# COMPATIBLE WITH HYPERTHERM® MAX-100® (PAC130)†



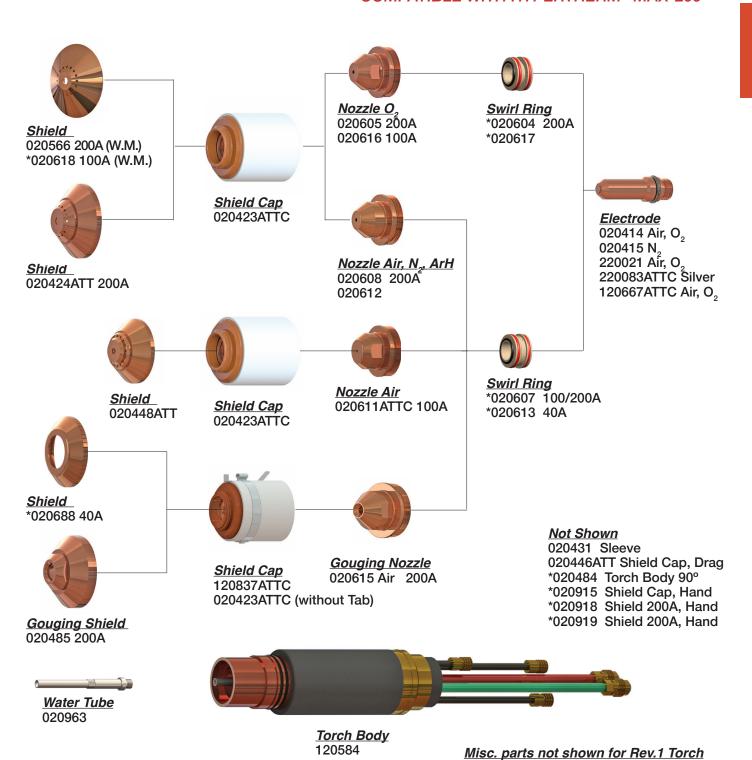


### COMPATIBLE WITH HYPERTHERM® MAX-100D®(PAC160)†





#### **COMPATIBLE WITH HYPERTHERM® MAX-200®†**



020416 Swirl Ring

020417 Nozzle

020418 Nozzle

\*020425 Swirl Ring

020447 Nozzle

020486 Nozzle



#### COMPATIBLE WITH HYPERTHERM® MAXPRO-200®†











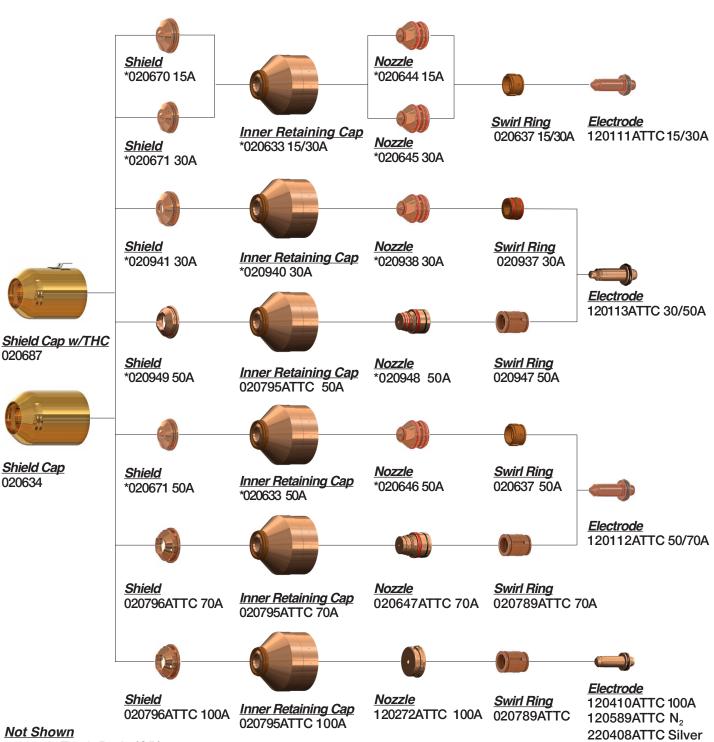


			I						
Amperage	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode	Water Tube**			
Mild Steel - Air	r Plasma								
50A	220532	220936 220935 w/o tab	220890ATTC	*220529	220528ATTC	220521ATTC			
130A	220536	220936 220936 w/o tab	220892ATTC	*220488	220487ATTC	220521ATTC			
200A	420045	220936 220936 w/o tab	420044ATTC	*220488	220937ATTC	220521ATTC			
Mild Steel – O <sub>2</sub> Plasma									
50A	220532	220936 220935 w/o tab	220891ATTC	*220529	220528ATTC	220521ATTC			
130A	220491	220936 220936 w/o tab	220893ATTC	*220488	220487ATTC	220521ATTC			
200A	220832	220936 220936 w/o tab	220831ATTC	*220834	220937ATTC	220521ATTC			
Stainless Stee	l / Aluminum	– N <sub>2</sub> Plasma	'		'				
130A	220536	220936 220935 w/o tab	220892ATTC	*220529	020415ATTC	220521ATTC			
200A	420045	220936 220936 w/o tab	420044ATTC	*220529	020415ATTC	220521ATTC			

<sup>\*\*</sup>ATTC-style water tube needs to be used with ATTC-style electrode.



#### COMPATIBLE WITH HYPERTHERM® HD-1070/3070®†



- \*120349 Torch Body (QD)
- \*120377 Water Tube
- \*120443 Torch Body
- 220409ATTC Nozzle Assy 100A



#### COMPATIBLE WITH HYPERTHERM® HSD-130®†











Amperage	PlasmaGas / Shield Gas	Shield	Shield Cap	Nozzle	Swirl Ring	Electrode
HSD-130 <sup>®</sup>						
45	Air	220532ATT	220578	220525ATTC	220529	220528ATTC
50	O2	220532ATT	220578	220530ATTC	220529	220528ATTC
130	Air	220536ATT	220578	220489ATTC	220488	220487ATTC
130	O2	220491ATT	220578	220492ATTC	220488	220487ATTC

#### COMPATIBLE WITH HYPERTHERM® HT-2000® 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>	HySpeed <sup>®</sup>									
200	O2 / Air	220239ATT	220242ATTC	220237ATTC	220236*	220235				



#### COMPATIBLE WITH HYPERTHERM® HT-2000®†











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

Amperage	PlasmaGas / Shield Gas	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode
Mild Steel						
200	O <sub>2</sub> / Air	020424	120837 (w/ tab) 020423 (w/o tab	020605	120833	220084ATTC CleanCut™
200	Air / Air	020424	120837 (w/ tab) 020423 (w/o tab	020608	020679	120667ATTC
200	N2 / CO2	020424	120837 (w/ tab) 020423 (w/o tab	020608	020679	020415
100	Air / Air	020448	120837 (w/ tab) 020423 (w/o tab	020611	020607	120547ATTC
100	O <sub>2</sub> / Air	220448	120837 (w/ tab) 020423 (w/o tab	020690	020613	120547ATTC
50	O2 / O2	120186*	120185*	120182*	120179	120178
Stainless St	eel / Aluminum					
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	020679	020415
200	N2 / CO2	020424	120837 (w/ tab) 020423 (w/o tab	020608	020679	020415
200	H35 / N <sub>2</sub>	020602	120837 (w/ tab) 020423 (w/o tab	020608	020679	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







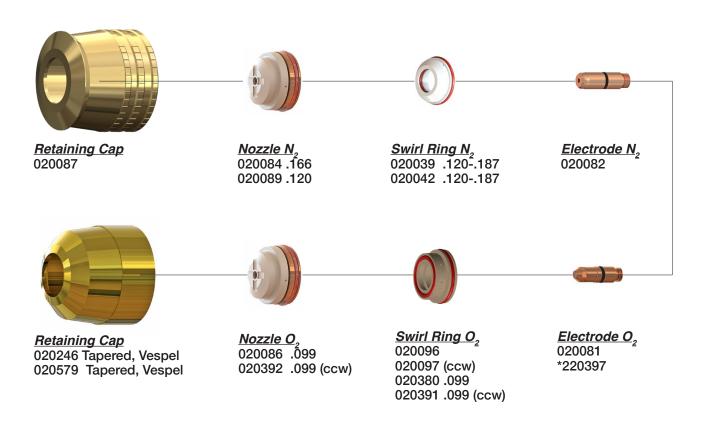


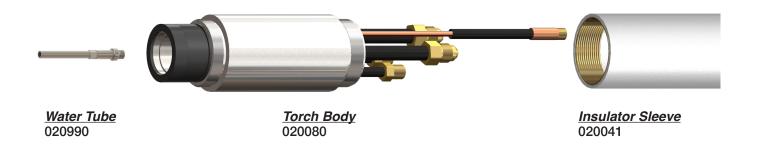


Amperage	PlasmaGas / Shield Gas	Shield	Retaining Cap	Nozzle	Swirl Ring	Electrode		
Bevel Cutting								
200 O <sub>2</sub> / Air		120260	120837 (w/ tab) 020423 (w/o tab)	120259	120833	120258		



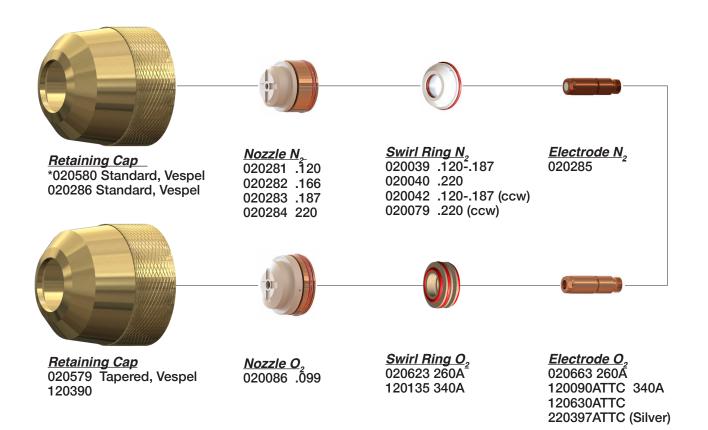
# COMPATIBLE WITH HYPERTHERM® HT-4000®†







# COMPATIBLE WITH HYPERTHERM® HT-4001® (PAC620)†

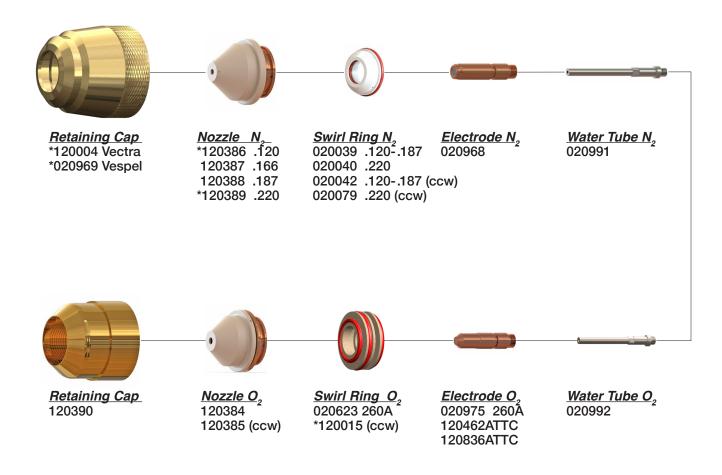




Water Tube 020990 170,400,600 Torch Body 020328



# COMPATIBLE WITH HYPERTHERM® HT-4001® (PAC 620) BEVELING†



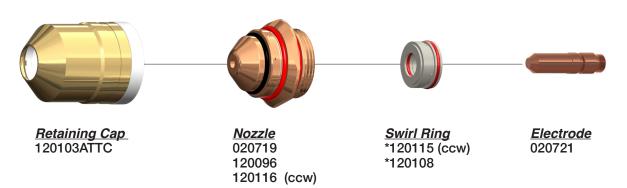


*Torch Body* 020970

Not Shown
\*020749 Sleeve



#### COMPATIBLE WITH HYPERTHERM® HT-4100® PAC 611†

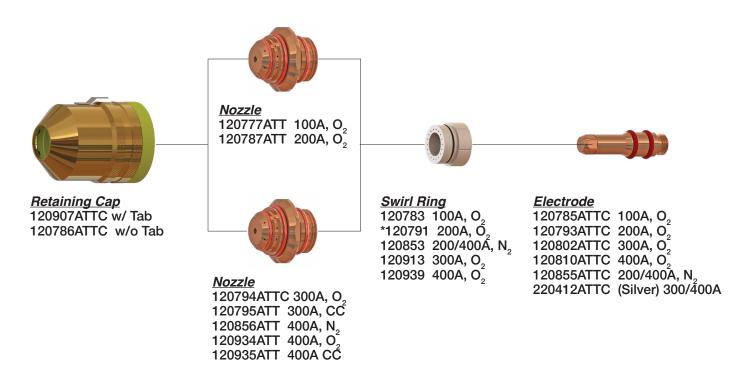


#### **Not Shown**

028513 Lead 35'

- 120025 Water Tube
- \*120107 Torch Body
- \*120651 Torch Body w/QD
- \*120984 Underwater Cap

#### COMPATIBLE WITH HYPERTHERM® HT4400®†





#### **COMPATIBLE WITH HYPERTHERM® HD4070®†**











**Electrode** 

120683ATTC

Retaining Cap 120786ATTC w/o tab 120907ATTC with tab

Nozzle 120685ATTC 70A 120660ATTC 100A 120692ATTC 200A 120713ATTC 704

\*120684 70A \*120655 100A \*120691 200A \*120712 70A

Swirl Ring

120654ATTC 100A 120690ATTC 200A 120711ATTC 70A

Mild Steel

70A

Not Shown

120113A110	1 UA	
120720ATTC	100A	
120727ATTC	200A	

\*120719 100A \*120726 200A

100A 120718ATTC 120725ATTC 200A

Stainless Steel

120748ATTC \*120651 Torch Body

\*120747 70A 70A 120755ATTC 100A \*120754 100A 120762ATTC 300A \*120761 200A

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

Aluminum

#### COMPATIBLE WITH HYPERTHERM® PAC 500<sup>†</sup>



Retaining Cap - High Amp. 020043 Flared









Retaining Cap - Low Current 020034 Tapered 020610



Nozzle N 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, 020038





Insulator Sleeve 020041

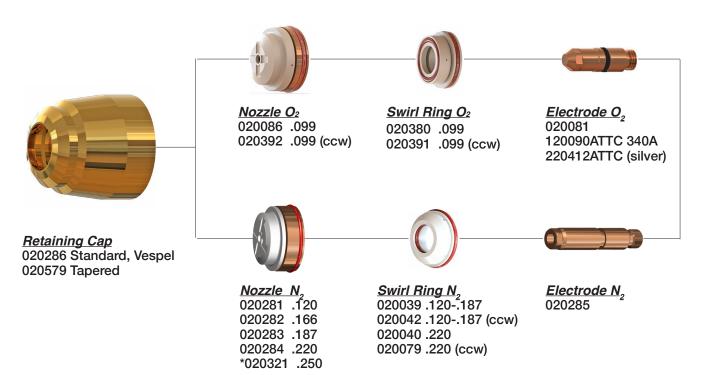








#### COMPATIBLE WITH HYPERTHERM® PAC 600<sup>†</sup>







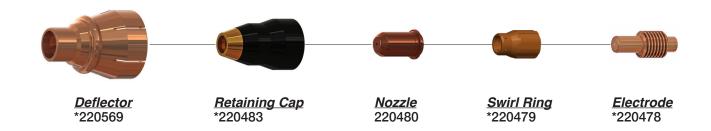
Torch Body 020328



Insulator Sleeve 020041



#### **COMPATIBLE WITH HYPERTHERM® POWERMAX-30**†



#### COMPATIBLE WITH HYPERTHERM® POWERMAX-190C (PAC105)†



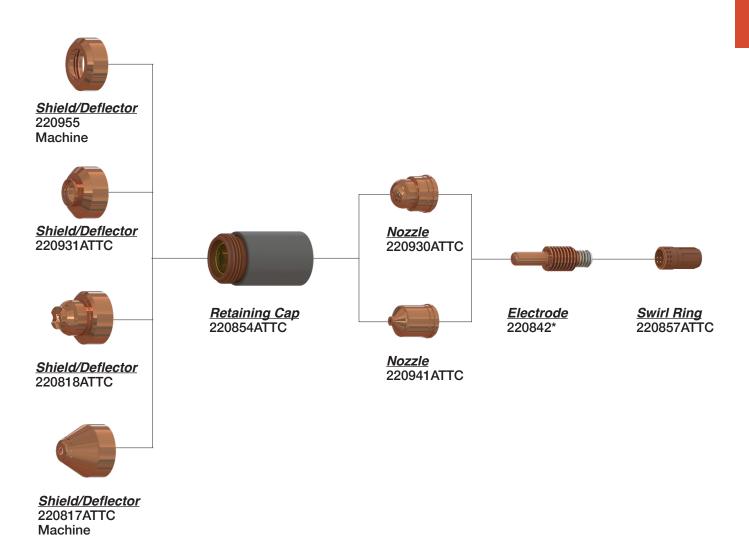
Not Shown 120898 Retaining Cap 120884 Shield

#### COMPATIBLE WITH HYPERTHERM® POWERMAX-380 (PAC110T)†





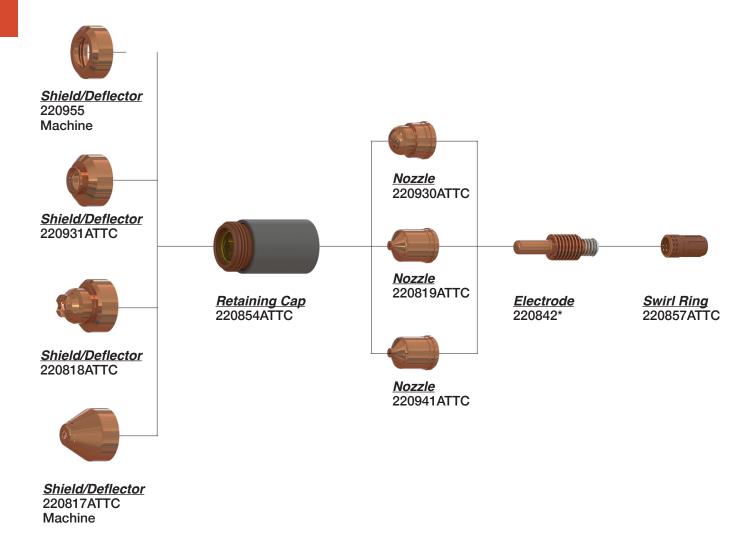
#### COMPATIBLE WITH HYPERTHERM® POWERMAX45® XP<sup>†</sup>



Not Shown \*220953 Retaining Cap \*220777 Electrode



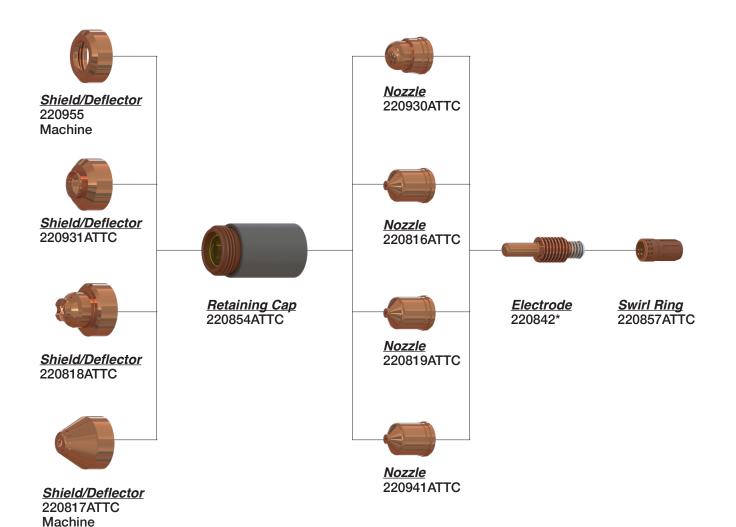
#### COMPATIBLE WITH HYPERTHERM® POWERMAX65® XP<sup>†</sup>



Not Shown \*220953 Retaining Cap \*220777 Electrode



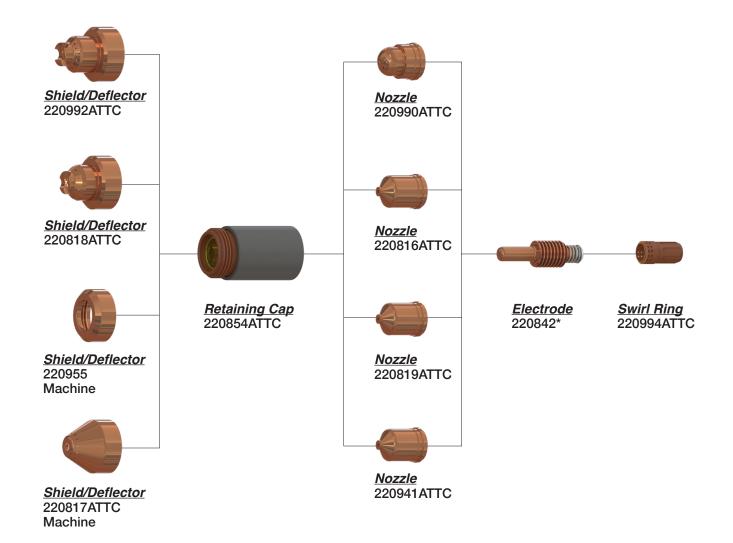
#### COMPATIBLE WITH HYPERTHERM® POWERMAX85® XP<sup>†</sup>



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



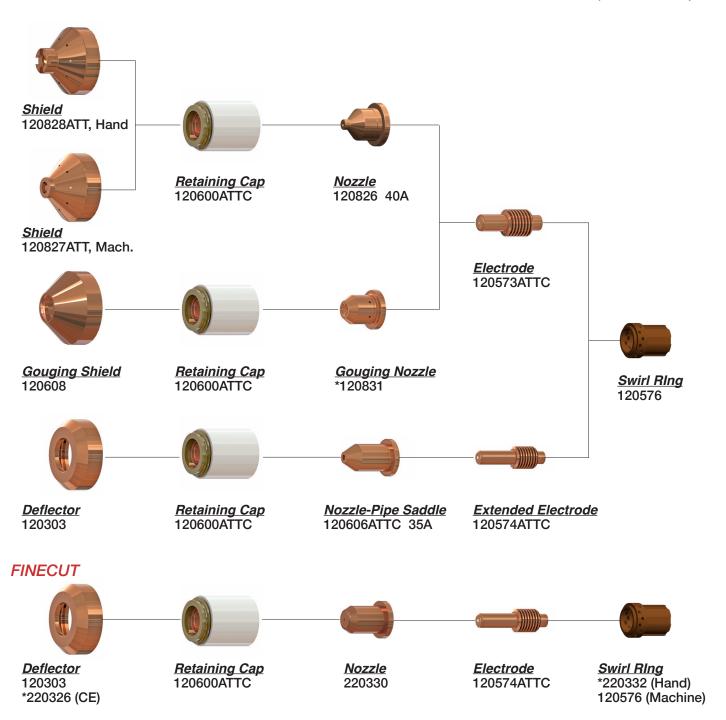
# COMPATIBLE WITH HYPERTHERM® POWERMAX105® XP<sup>†</sup> HANDHELD



Not Shown \*220953 Retaining Cap \*220777 Electrode



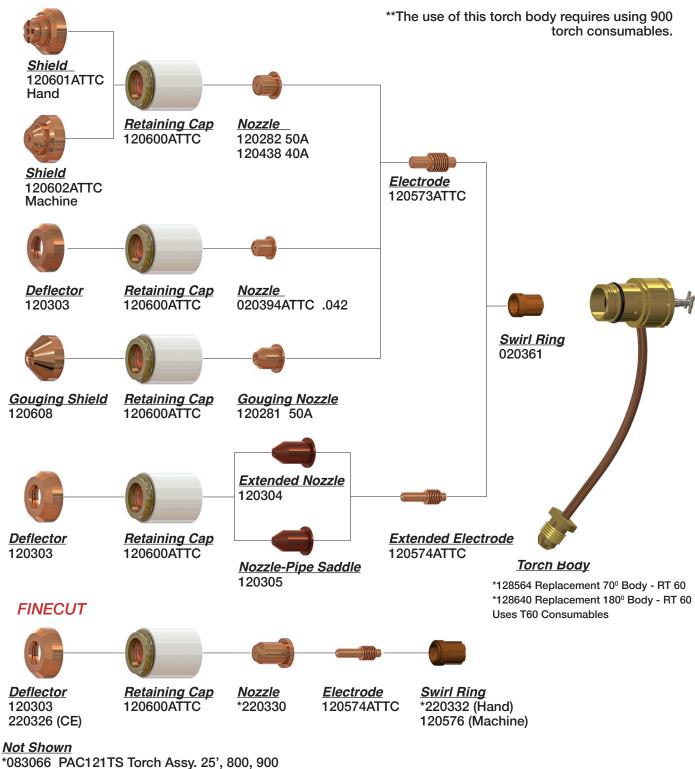
# COMPATIBLE WITH HYPERTHERM® POWERMAX-600® (PAC123T/M)†



Not Shown \*001288 Torch Handle 120570 Hand Torch 123T 120583 Machine Torch 180°



#### COMPATIBLE WITH HYPERTHERM® POWERMAX-800® (PAC121)†

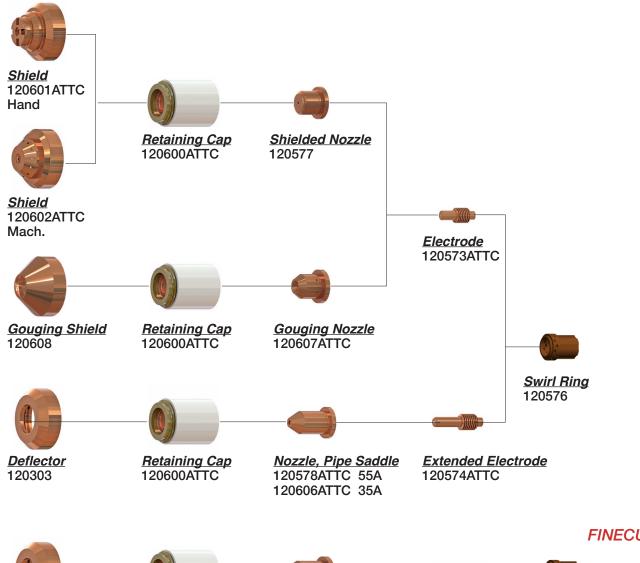


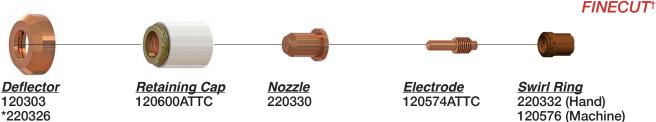
- \*120558 Machine Torch (takes new consumables)
- \*120570 Push Button Torch 900\*\*



#### COMPATIBLE WITH HYPERTHERM® POWERMAX-900® (PAC125T/M)†

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





#### **Uses T60 Consumables**

\*128564 Replacement 70° Body - RT 60

\*128640 Replacement 180° Body - RT 80

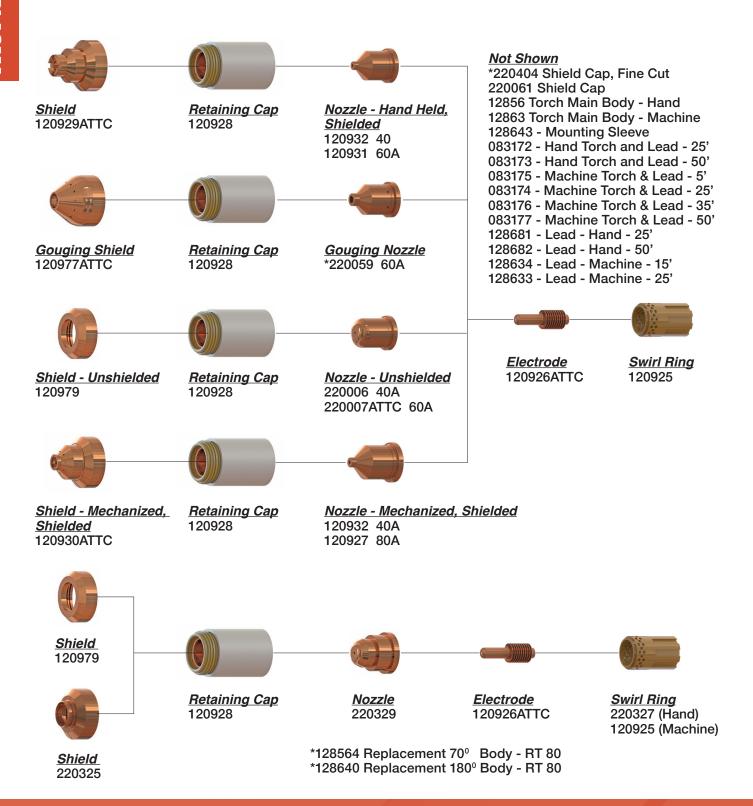
#### **Not Shown**

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

\*120570 Push ButtonTorch 900\*\*

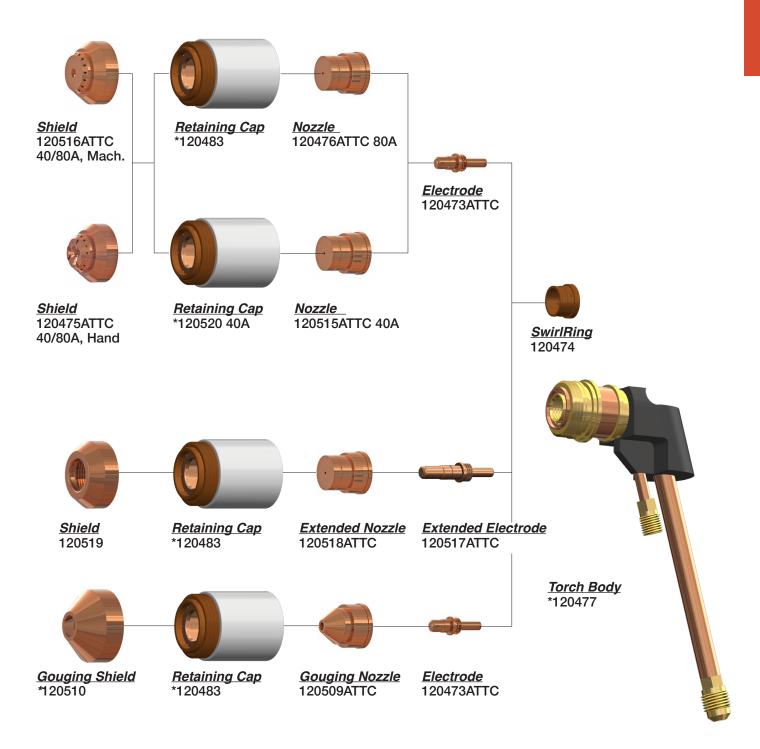


#### COMPATIBLE WITH HYPERTHERM® POWERMAX-1000® T60/T60M<sup>†</sup>





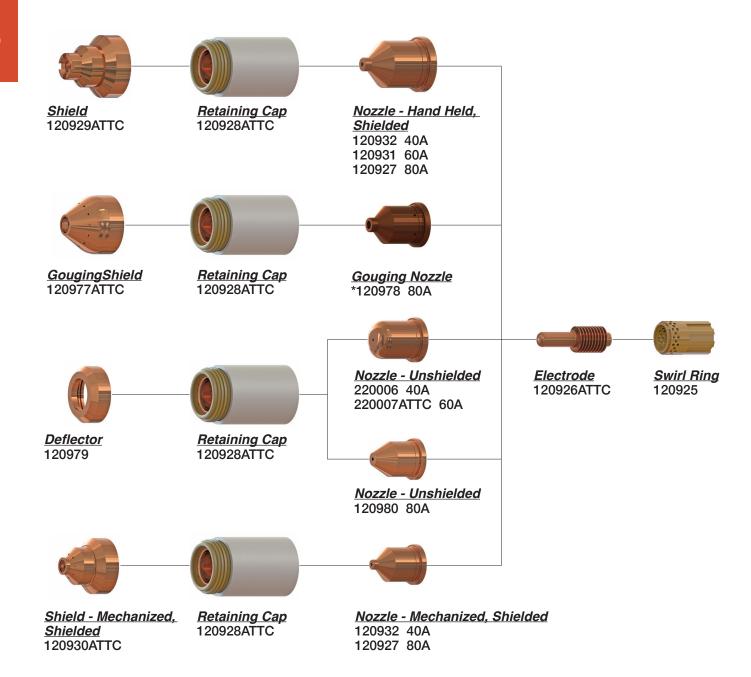
# COMPATIBLE WITH HYPERTHERM® POWERMAX-1100® (PAC135T)†



Not Shown \*002287 Handle Assy.



#### COMPATIBLE WITH HYPERTHERM® POWERMAX-1250® T80/T80M<sup>†</sup>



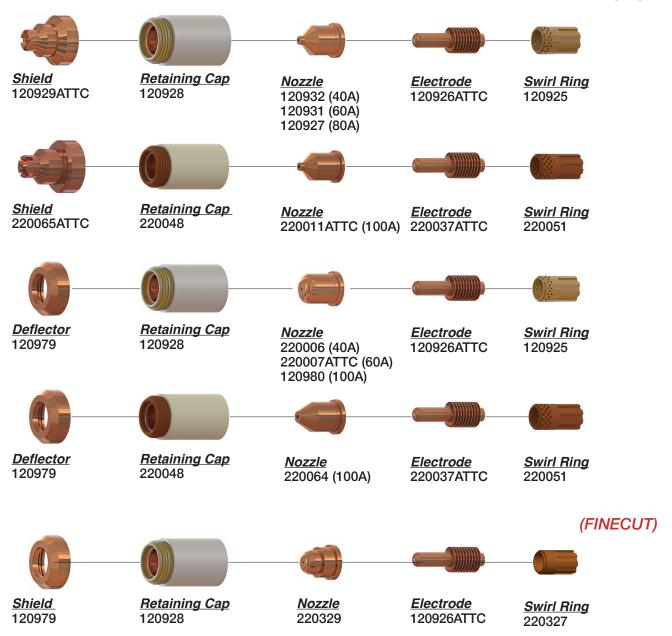
#### Not Shown

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



#### COMPATIBLE WITH HYPERTHERM® POWERMAX-1650<sup>†</sup>

#### HAND TORCH

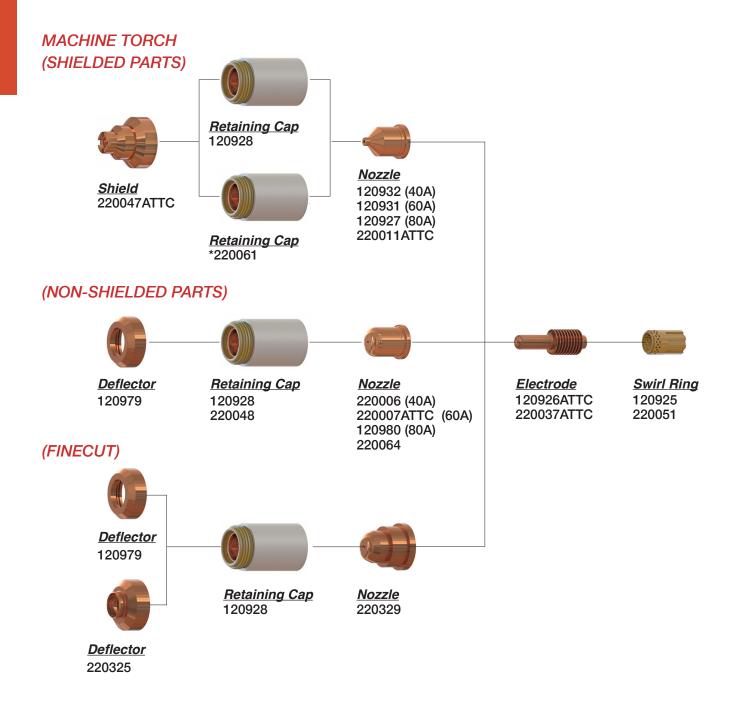


#### **Not Shown**

\*220325 Deflector 12867 Hand Torch \*128754 Machine Torch Body 120977 Gouging Nozzle 120978 Gouging Nozzle 220063 Gouging Nozzle 128767 - Torch Body, Hand 059264 - Hand Torch & Lead 25' 059270 - Hand Torch & Lead 50' 128755 - Lead, Hand 25'



#### COMPATIBLE WITH HYPERTHERM® POWERMAX-1650†



#### 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® STYLE / KALIBURN® STYLE 87

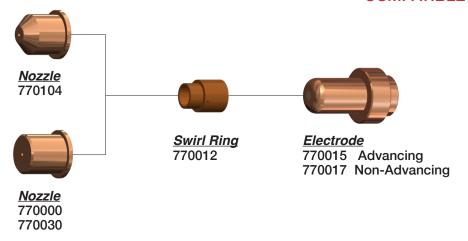
# JIANGNAN® Style

**COMPATIBLE WITH TECH APC-50<sup>†</sup>** 



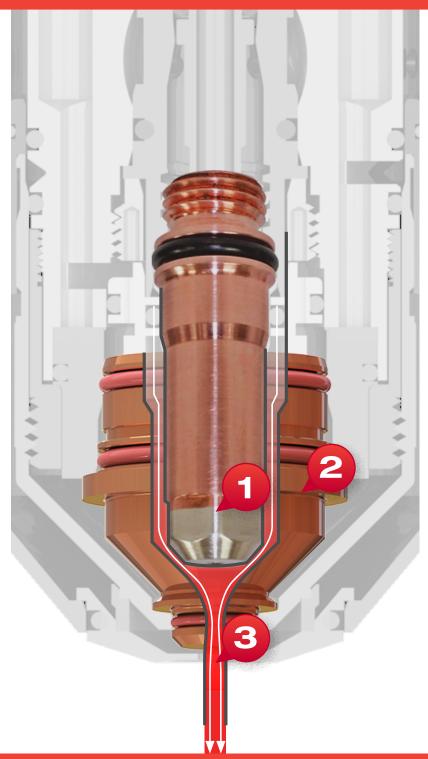
## KALIBURN® Style

COMPATIBLE WITH SR-45I<sup>†</sup>



Not Shown 770072 O-Ring

# Clean Cut Next-Generation Plasma Consumables From American Torch Tip



# BURN LONGER. CUT CLEANER. Clean Cut

# **Designed to Work Together**

- 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

To learn more, visit:
AmericanTorchTip.com/cleancut
800-342-8477 • 941-753-7557







# KALIBURN® STYLE 89

#### COMPATIBLE WITH PL2200 PROLINE® / SPIRIT®†















Amperage	Outer Cap	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	Electrode CleanCut™		
O2 Plasma	O2 Plasma / Air Shield Mild Steel								
10 amps	277154	277145	277152	277120	277140	277190ATTC			
30 amps	277154	277145	277153	277120	277140	277130ATTC			
50 amps C	277154	277115	277153	277122	277140	277131ATTC			
50 amps H	277154	277115	277153	277122	277142	277131ATTC			
70 amps	277154	277150	277153	277125ATTC	277142	277131ATTC			
100 amps	277154	277286	277151	277284ATTC	277283	277282ATTC	277285ATTC		
150 amps	277154	277117	277152	277293ATTC	277139	277292ATTC	277295ATTC		
200 amps	277154	277274	277266	277289ATTC	277143	277291ATTC	277290ATTC		
275 amps	277154	277263	277266	277269ATTC	277258	277270ATTC	277275ATTC		
400 amps	284150	284123	284121	284125	284122	284124			
Air Plasma	/N2 Shield S	Stainless Stee	el						
8 amps	277154	277145	277152	277120	277140	277190ATTC			
30 amps	277154	277144	277110	277121	277138	277137ATTC			
50 amps	277154	277149	277110	277123	277142	277137ATTC			
70 amps	277154	277150	277153	277125ATTC	277142	277131ATTC			
100 amps	277154	277286	277151	277284ATTC	277283	277282ATTC	277285ATTC		
150 amps	277154	277117	277152	277293ATTC	277139	277292ATTC	277295ATTC		
200 amps	277154	277274	277266	277289ATTC	277143	277291ATTC	277290ATTC		
275 amps	277154	277263	277266	277276	277353	277270ATTC	277275ATTC		

Continued on next page.



# 90 KALIBURN® STYLE

#### COMPATIBLE WITH PL2200 PROLINE / FINELINE TO SPIRIT<sup>†</sup>

#### Continued from previous page.

Amperage	Outer Cap	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode	Electrode CleanCut™
H17 Plasma / N2 Shield Stainless Steel							
70 amps	277154	277116	277113	277124	277140	277132ATTC	
100 amps	277154	277146	277113	277126	277141	277133ATTC	
200 amps	277154	277274	277266	277287	277259	277135ATTC	
260 amps	277154	277211	277280	277118	277139	277135ATTC	
275 amps	277154	277263	277266	277276	277258	277270ATTC	
Air Plasma	/N2 Shield A	Aluminum					
30 amps	277154	277145	277153	277120	277140	277130ATTC	
50 amps	277154	277150	277153	277122	277142	277131ATTC	
70 amps	277154	277150	277153	277125ATTC	277142	277131ATTC	
100 amps	277154	277286	277151	277284ATTC	277283	277282ATTC	277285ATTC
150 amps	277154	277117	277152	277293ATTC	277139	277292ATTC	277295ATTC
200 amps	277154	277274	277266	277289ATTC	277143	277291ATTC	277890ATTC
275 amps	277154	277263	277266	277276	277258	277270ATTC	277295ATTC





# KALIBURN® STYLE 91

#### COMPATIBLE WITH FINELINE® (FL 200)†













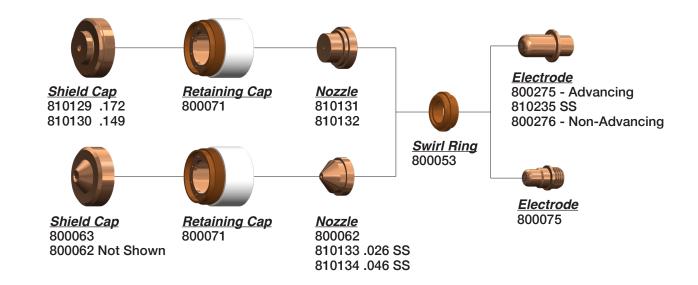


Amperage	Outer Cap	Shield Cap	Inner Retainer	Nozzle	Swirl Ring	Electrode		
Mild Steel								
30 amps	200210	200230	200217	200222	200277	200213		
50 amps C	200210	200230 / 200231	200217	200223	200277	200214		
70 amps	200210	200231	200217	200224	200277	200214		
100 amps	200210	200232	200218	200225	200277	200215		
200 amps	200210	200234	200218 / 200219	200227	200221	202115		
Stainless Steel								
30 amps	200210	200233	200220	200228	200279	200238		
50 amps	200210	200237	200220	200229	200277	200238		
70 amps	200210	200231	200218	200240	200277	200214		
100 amps	200210	200232	200218	200239	200277	200215		
200 amps	200210	200234	200219	200227	200221	202115		
Marking	200210	200230	200219	200222	200277	200290		

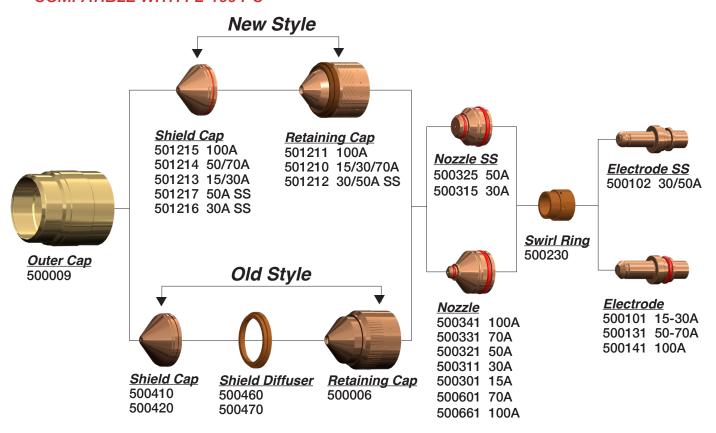


# 92 KALIBURN®STYLE

#### COMPATIBLE WITH SR-100I<sup>†</sup>



#### COMPATIBLE WITH FL-100 PC†





# KJELLBERG® STYLE 93

#### COMPATIBLE WITH KJELLBERG® HIFOCUS 80I/161I/280I/360I/440I NEO SYSTEMS†













Amperage	Protection Cap	Swirl Gas Cap	Nozzle Cap	Nozzle	Gas Guide	Electrode
25	201.801ATTC	201.1515ATTC	201.1604ATTC	221.406ATTC	221.145C ATTC	321.320ATTC
35	201.801ATTC	201.1520ATTC	201.1604ATTC	221.407ATTC	221.145C ATTC	321.320ATTC
60	201.801ATTC	201.1520ATTC	201.1628ATTC	221.408ATTC	221.146ATTC	321.320ATTC
90	201.801ATTC	201.1525ATTC	201.1628ATTC	221.410ATTC	221.146ATTC	231.350ATTC
130	201.801ATTC	201.1525ATTC	201.1628ATTC	221.412ATTC	221.146ATTC	231.320ATTC
160	201.801ATTC	201.1530ATTC	201.1628ATTC	221.414ATTC	221.146ATTC	231.320ATTC
200	201.801ATTC	201.1535ATTC	201.1628ATTC	221.417ATTC	221.146ATTC	231.360ATTC
280	401.801ATTC	401.1550ATTC	401.426ATTC	421.426ATTC	421.145ATTC	401.310ATTC
360	401.801ATTC	401.1555ATTC	401.430ATTC	421.430ATTC	421.145ATTC	421.330ATTC
400	401.801ATTC		401.431ATTC	421.431ATTC	421.145ATTC	

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

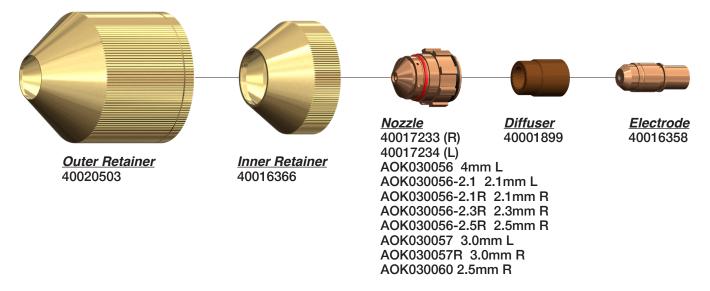


#### 94 KOIKE®STYLE

#### COMPATIBLE WITH KOIKE® 254†



#### COMPATIBLE WITH KOIKE® SUPER 400<sup>†</sup>



#### COMPATIBLE WITH KOIKE® SUPER 400 OPS - STAINLESS STEEL<sup>†</sup>



<u>Outer Nozzle</u> 250.030.091 3.6mm 250.030.092 4.8mm

<u>Swirl Ring</u> 250.031.228

<u>Inner Retainer</u> 250.031.332

Nozzle 250.030.093 2.5mm 250.030.094 3.0mm

Electrode 250.031.040



#### 95 KOIKE® STYLE / KOMATSU® STYLE

# KOIKE® Style

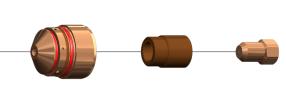
#### COMPATIBLE WITH KOIKE® SUPER 400 OPS - MILD STEEL<sup>†</sup>



**Outer Retainer** APK031360 250.031.336



Inner Retainer APK031323 250.031.332



Swirl Ring

APK031204

APK031205

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)

# KOMATSU® Style

**Electrode** 

APK031027

40008459 (P Type)



<u>Cap</u> 7848-605850



**Nozzle** 7848-605830ATTC .6mm







Ceramic Guide



REGULAR TORCH<sup>†</sup>

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

7848-605811



Cap 65-0432-004 #2



Cap 65-0432-001 #1









**Electrode** 65-0432-005

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

Ceramic Guide 65-0432-021

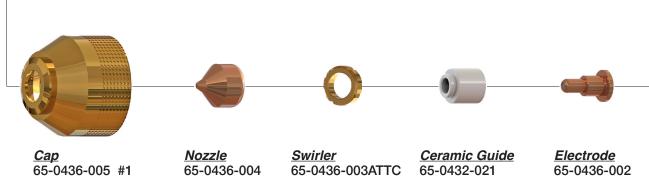
Nozzle 65-0432-002 0.6mm 65-0432-003 0.4mm 65-0432-008 0.8mm 65-0432-013 0.7mm 65-0432-555 0.5mm

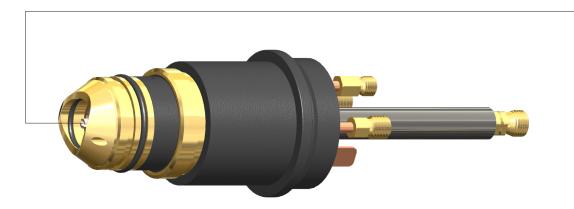
Not Shown 65-0432-007 O-Ring 65-0430-022 Torch Body



#### COMPATIBLE WITH KOMATSU® 40 QUICKSILVER†





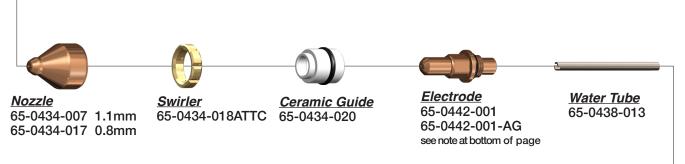


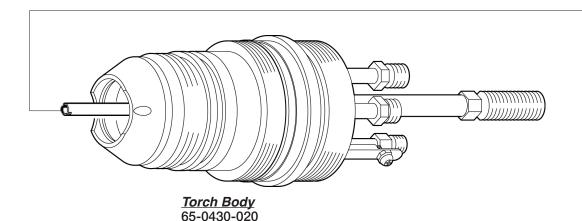
*Torch Body* 65-0430-022



#### COMPATIBLE WITH KOMATSU® 90A HIGH DEFINITION<sup>†</sup>







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

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



#### COMPATIBLE WITH KOMATSU® 90 QUICKSILVER†





**Nozzle** 65-0438-002 65-0438-003



**Swirler** 65-0434-018ATTC



Ceramic Guide 65-0434-020



**Electrode** 65-0442-001 65-0442-001-AG See note at bottom of page

**Not Shown** 65-0430-020 Torch Body 90A 65-0442-006 Torch Body 120A

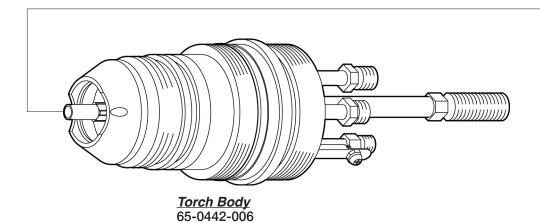
Electrode part 65-0434-008 is now obsolete. It is replaced with part 65-0442-001.



#### COMPATIBLE WITH KOMATSU® 120A†







Not Shown 65-0434-021 O-Ring Kit(3 sizes, 5 pc per size) 65-0442-006 Assy- Torch W/ 6' Lead

# AMERICAN ATTC TORCH TIP ATTC

# 100 KOMATSU® STYLE

#### COMPATIBLE WITH KOMATSU® (TWISTER 30KW)†



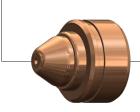
<u>Outer Cap</u> 969-95-24470 Or 65-0444-019



<u>Shield Cap</u> 969-95-24750 Or 65-0444-002



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

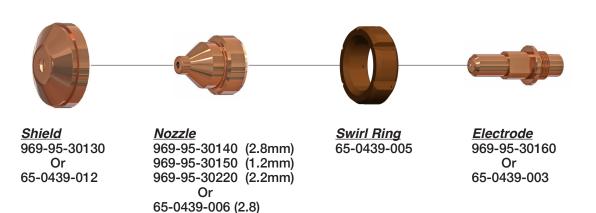


Electrode 969-95-24310 ATTC Or 65-0444-001 ATTC



# KOMATSU® STYLE / LINCOLN® STYLE 101

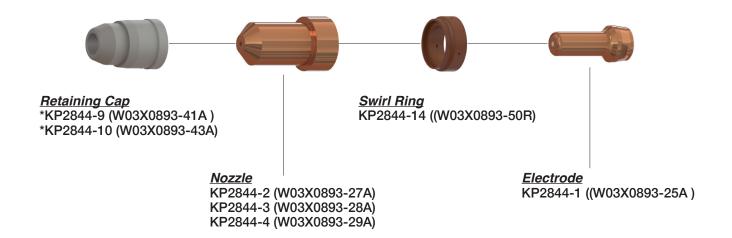
#### COMPATIBLE WITH KOMATSU® 300A†



65-0439-007 (2.2) 65-0439-008 (1.2)

# LINCOLN® Style

#### COMPATIBLE WITH LINCOLN® TOMAHAWK LC 65<sup>†</sup>



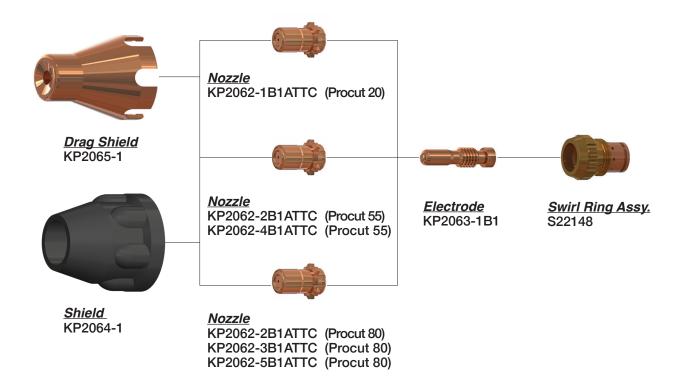
Not shown:

\*KP2843-10 (W03X0893-14R) Drag Spacer



# 102 LINCOLN® STYLE

#### COMPATIBLE WITH LINCOLN® PROCUT 20, 55, 80<sup>†</sup>



Not Shown K1571-1 Torch W/lead 25'

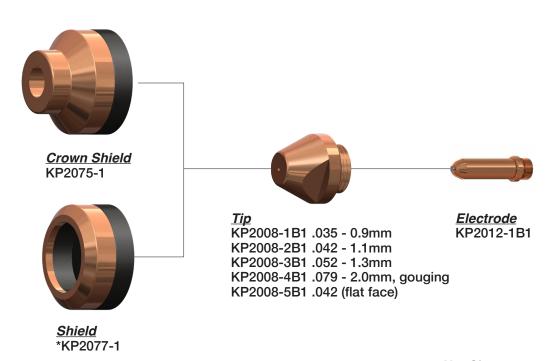
#### **COMPATIBLE WITH LINCOLN® PROCUT 40**†





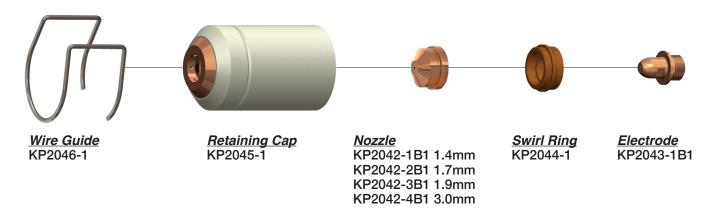
# LINCOLN® STYLE 103

#### **COMPATIBLE WITH PCT-60**†



Not Shown KP2027-1 Unbreakable Shield

#### COMPATIBLE WITH LINCOLN® PROCUT 125†



Not Shown K880-5 Torch W/lead 25'



# 104 MESSER/MG® STYLE / MILLER® STYLE

# MESSER/MG® Style

COMPATIBLE WITH MESSER/MG® PCH60/PCH95†



Not Shown 753.03753 Tip 1.0mm (PCH95) 753.03754 Tip 1.2mm (PCH95)

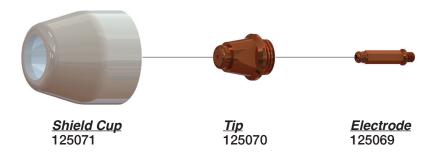
# MILLER® Style

**COMPATIBLE WITH MILLER® APT 1000**†



# Not Shown \*131190 Torch Body w/out Handle

#### COMPATIBLE WITH MILLER® APT 3000 SPECTRUM 250D†



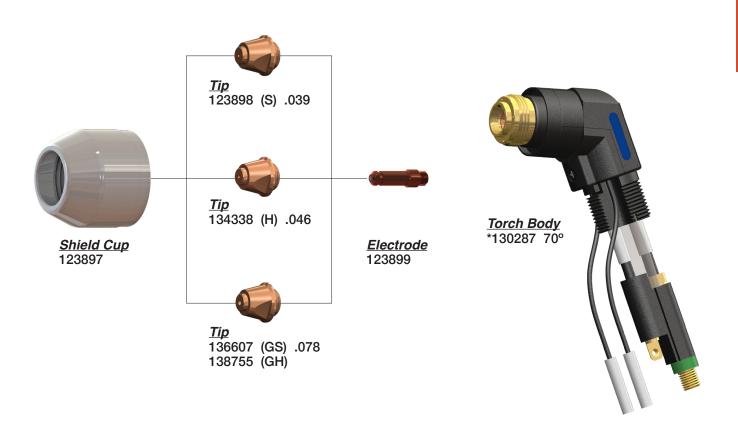
**Not Shown** 

\*130286 Torch Body 70°

\*125081 Torch Body 180°



#### COMPATIBLE WITH MILLER® APT 5000 SPECTRUM 500D†

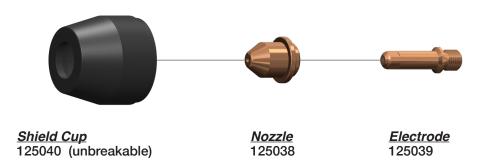


Not Shown \*125290 Torch Body 180°

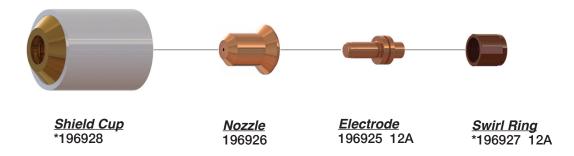




#### COMPATIBLE WITH MILLER® APT 8000 SPECTRUM 1500/1500D<sup>†</sup>

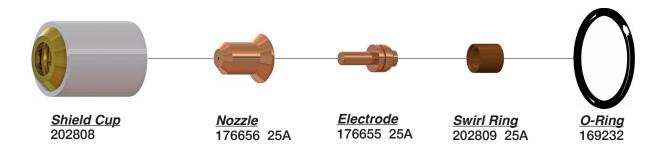


#### **COMPATIBLE WITH MILLER® ICE-12C†**



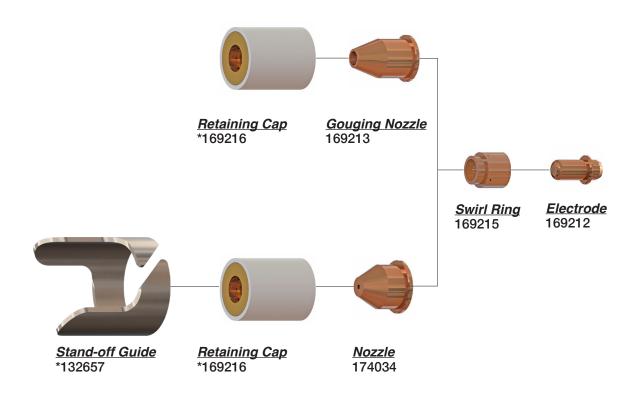
Not Shown 126778 180° Torch w/50' lead

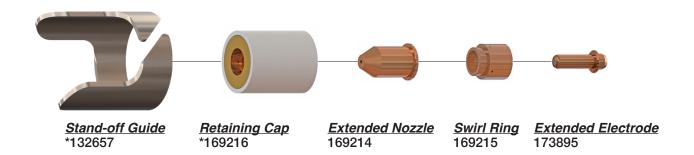
#### COMPATIBLE WITH MILLER® ICE-25C/ 27C SPECTRUM 300<sup>†</sup>





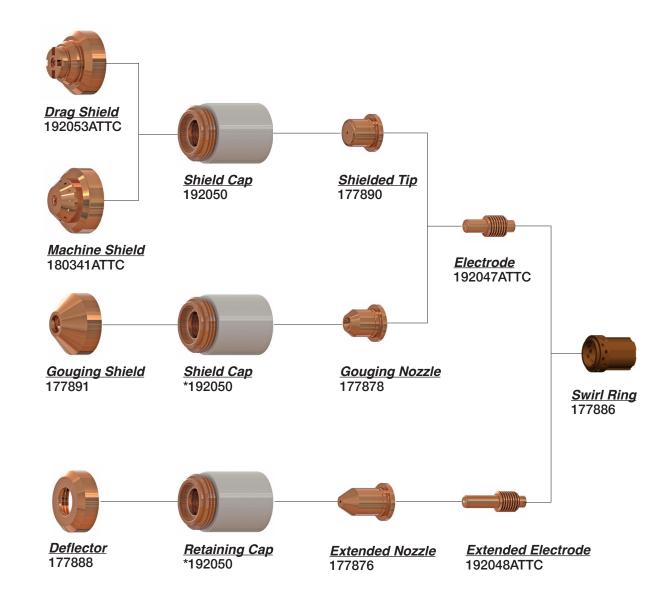
#### **COMPATIBLE WITH MILLER® ICE 50†**





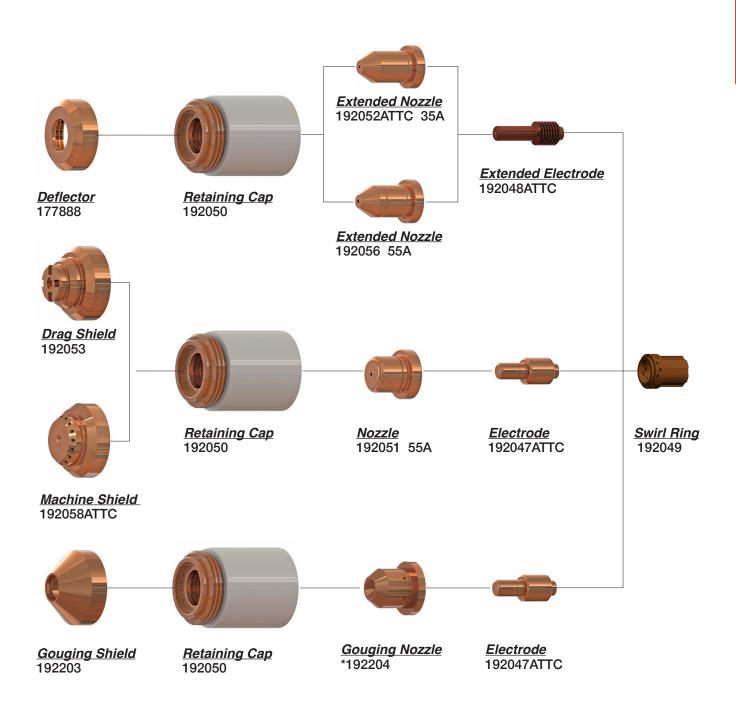


#### COMPATIBLE WITH MILLER® ICE 50C/50CM SPECTRUM 701/650†





### **COMPATIBLE WITH MILLER® ICE 55C†**

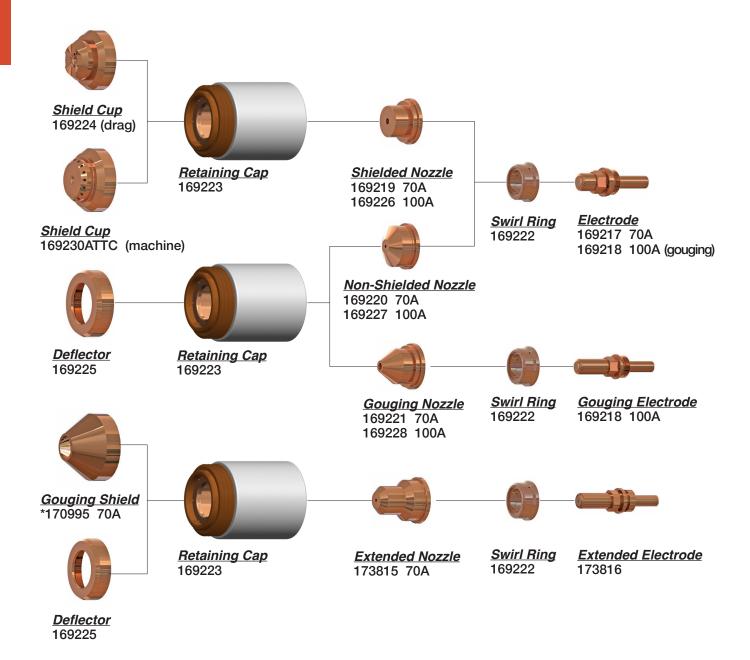


#### **Not Shown**

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



#### COMPATIBLE WITH MILLER® ICE 70-SPECTRUM 1000 / ICE100-SPECTRUM 1250<sup>†</sup>



Not Shown

\*171257 Torch body 75°

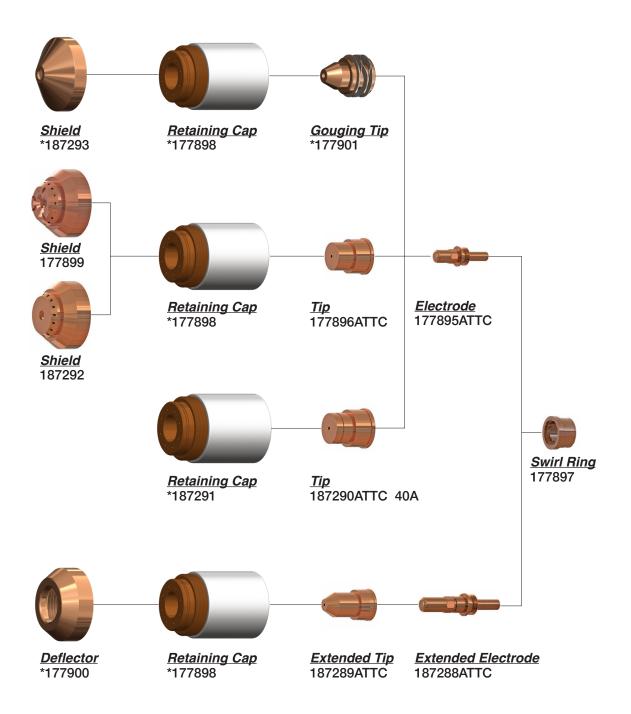
\*171243 Mach Torch 30' Lead

171245 - Machine Torch Body 180°

225706 - Machine Torch & Lead 25'



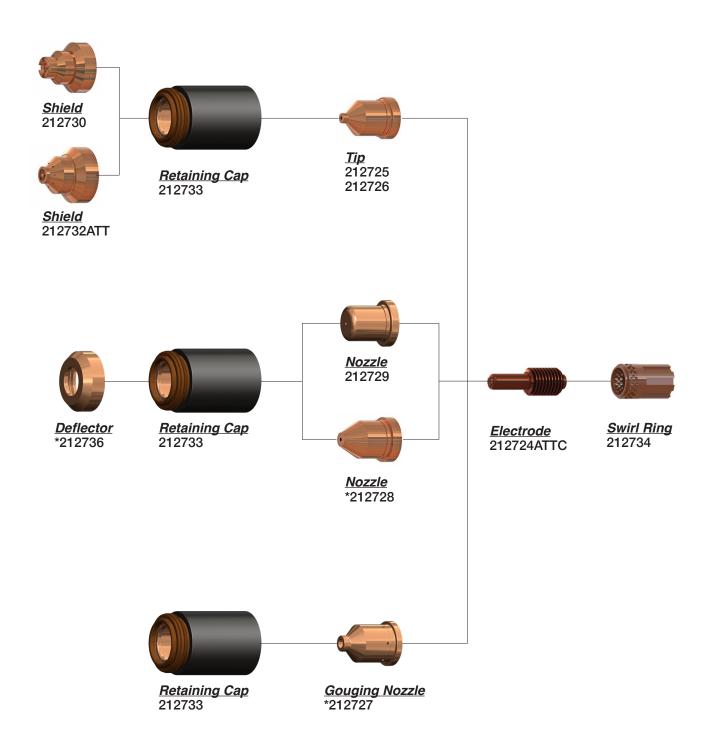
### COMPATIBLE WITH MILLER® ICE-80/80CM SPECTRUM PLUS†



Not Shown \*172384 Torch Head, 70° \*172385 Torch Head, 70° w/25' Leads



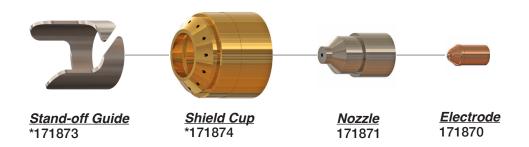
### COMPATIBLE WITH MILLER® ICE-80CX / 80T<sup>†</sup>





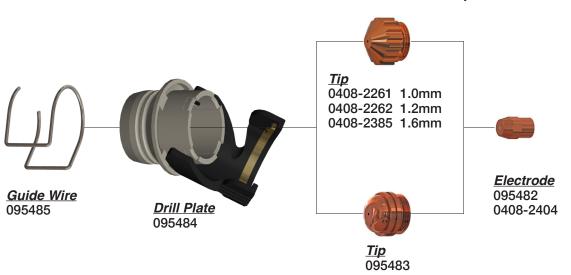
# MILLER® STYLE / PLAZCUT® (NERTAJET ®) STYLE 113

### **COMPATIBLE WITH MILLER® MC80†**



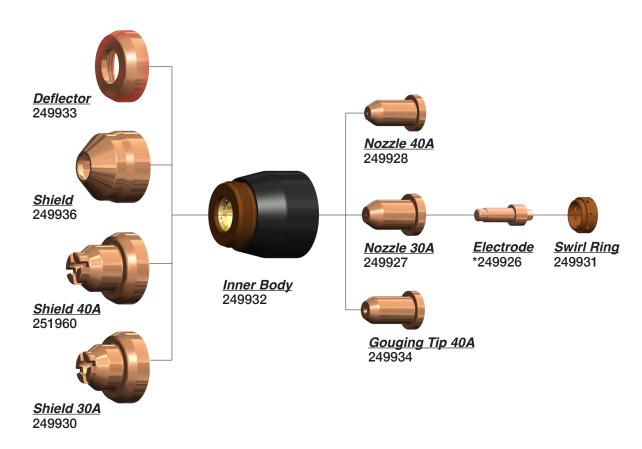
Not Shown
\*172385 Hand Torch w/Kit
\*175833 Machine Torch w/Kit

### PLAZCUT® (NERTAJET®) Style

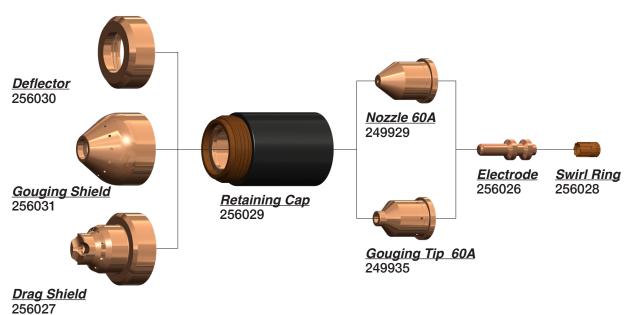




#### COMPATIBLE WITH SPECTRUM® XT30-XT40†



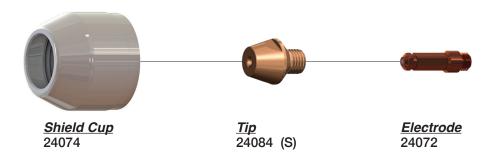
#### COMPATIBLE WITH SPECTRUM® XT60-XT60M<sup>†</sup>





# MULTI QUIP® STYLE / NIPPON STEEL® STYLE 115

#### COMPATIBLE WITH MULTI QUIP® PCX50SS<sup>†</sup>



### NIPPON STEEL® Style







*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 4.8mm



*Tip* M05-01-1 1.6mm



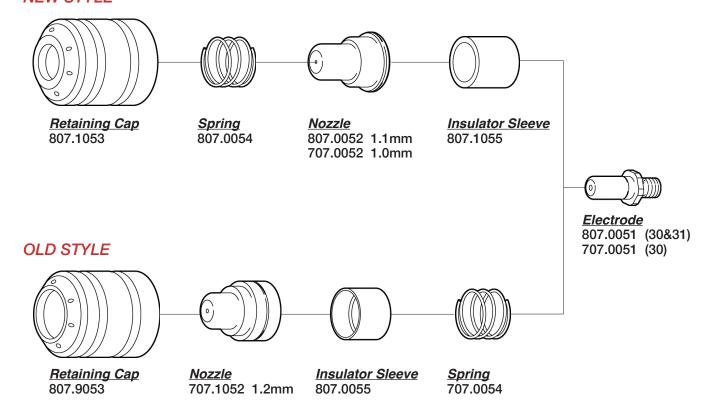
<u>Tip</u> M07-01-1 2.4mm M07-01-1 3.2mm



# 116 NU-TECSYS® STYLE

### COMPATIBLE WITH NU-TECSYS® NPT-3, 3R & 3S<sup>†</sup>





#### NOTE:

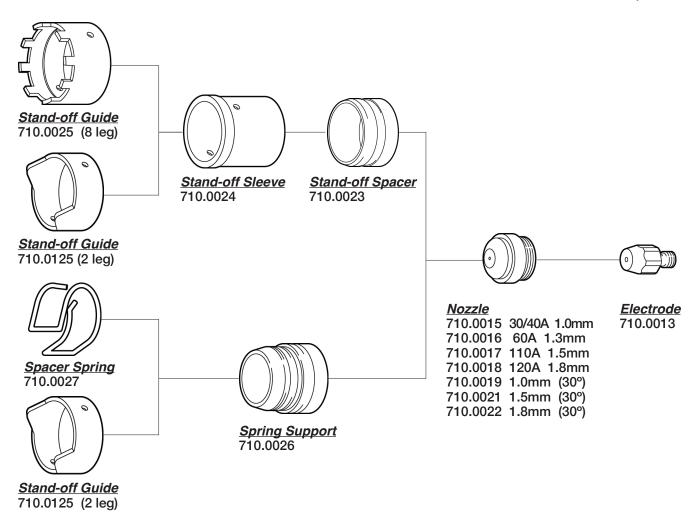
PCA30-2 Uses "old style" push down.
\*PCA30 PS Uses "new Style" pilot arc.

Not Shown 707.1052-SPECIAL Nozzle w/step

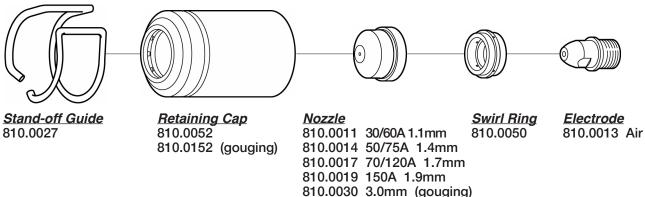


### **NU-TECSYS® STYLE 117**

### COMPATIBLE WITH NU-TECSYS® NPT-4, 5 & 6<sup>†</sup>





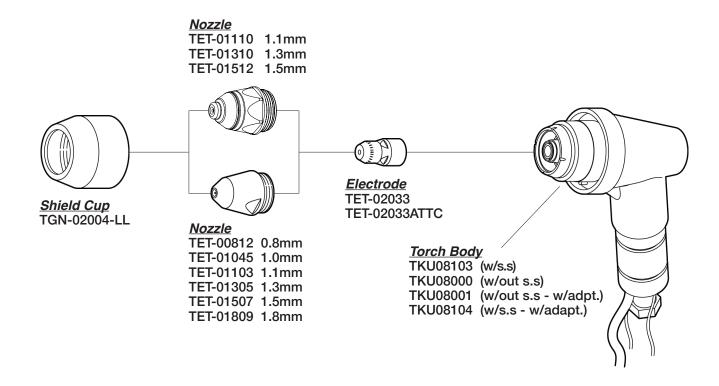


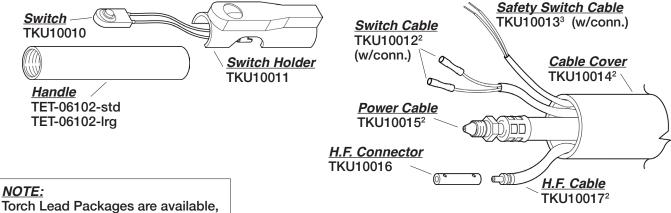
Not Shown 810.0225 Guide w/double Feet



## 118 PANASONIC® STYLE

### **COMPATIBLE WITH PANASONIC® TKU08103**†





please inquire on availability

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

#### **Not Shown**

TKU100071 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

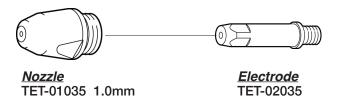
NOTE: For the material you are cutting, set initial torch height (before piercing) to approximately twice the Stand-off Distance. 1 scfh = 28.316 liter/hour, 1 psi = .0689 bar = 6.895 Kpa. This information represents our best judgement but American Torch Tip assumes no liability for its use.



## PANASONIC® STYLE / P-TRON® STYLE 119

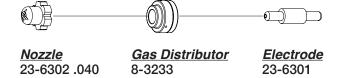
### PANASONIC® Style

COMPATIBLE WITH PANASONIC® 35A†

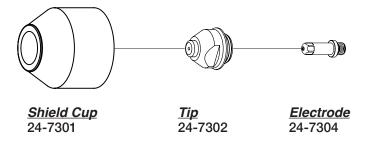


### P-TRON® Style

**COMPATIBLE WITH P-TRON® PZ-8**†

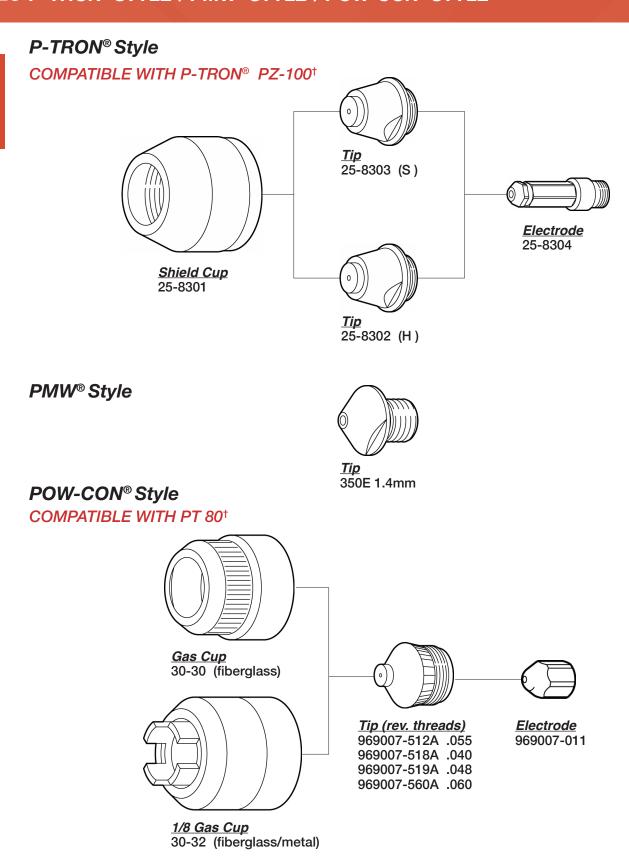


### COMPATIBLE WITH P-TRON® PZ-75†





# 120 P-TRON® STYLE / PMW® STYLE / POW-CON® STYLE



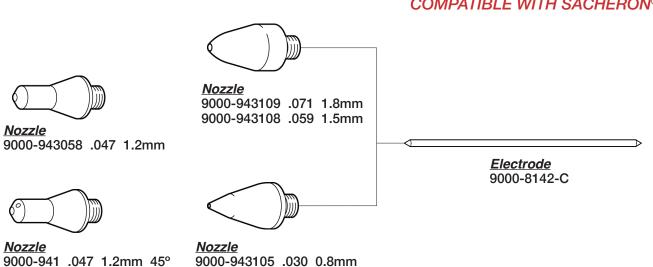


9000-930 .030 0.8mm 45°

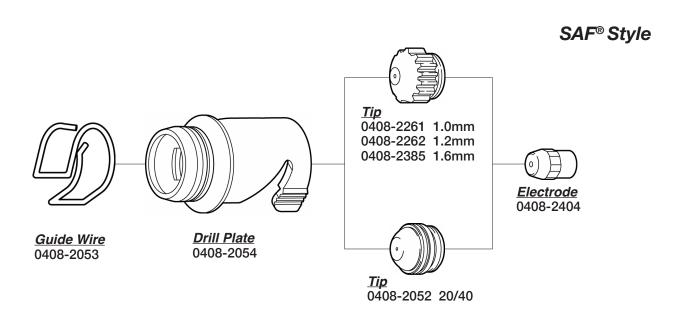
## SACHERON® STYLE / SAF® STYLE 121

### SACHERON® Style

COMPATIBLE WITH SACHERON®†



9000-943107 .040 1.0mm 9000-943107-1.2 .047 1.2mm



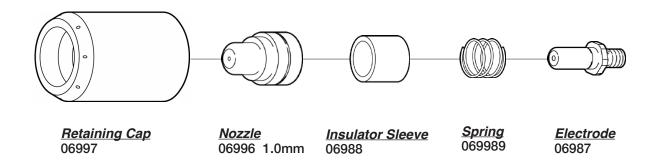
**Not Shown** 0409-2184 O-Ring



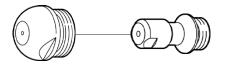
### 122 SIP® STYLE / SMITH MERKLE® STYLE

### SIP® Style

**COMPATIBLE WITH SIP®†** 



### SMITH MERKLE® Style



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

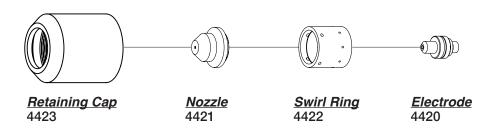
*Electrode* 30808-5

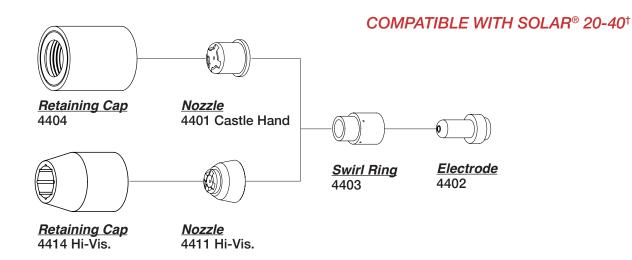
> Not Shown 30881-1 Wire Guide Assembly



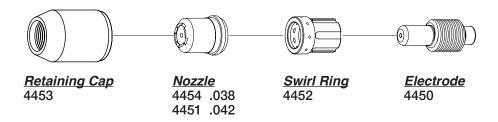
### SOLAR® STYLE 123

### **COMPATIBLE WITH SOLAR® 20-20†**





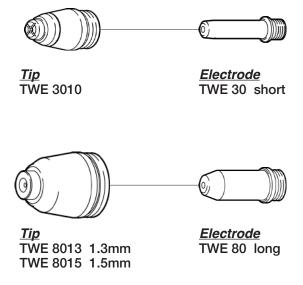
### **COMPATIBLE WITH SOLAR® 20-50†**



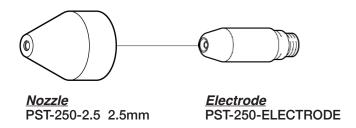


# 124 TAIWAN PLASMA COMPANY® STYLE / TANAKA® STYLE

### TAIWAN PLASMA COMPANY® Style

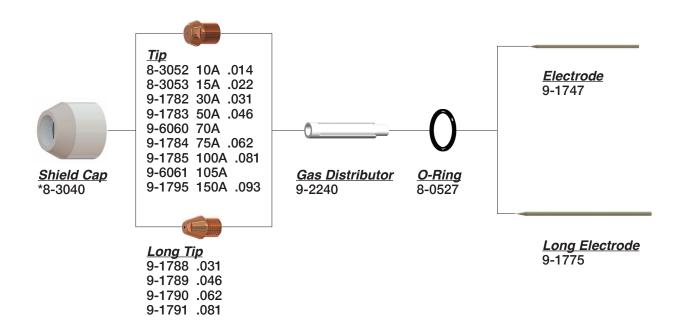


# TANAKA® Style





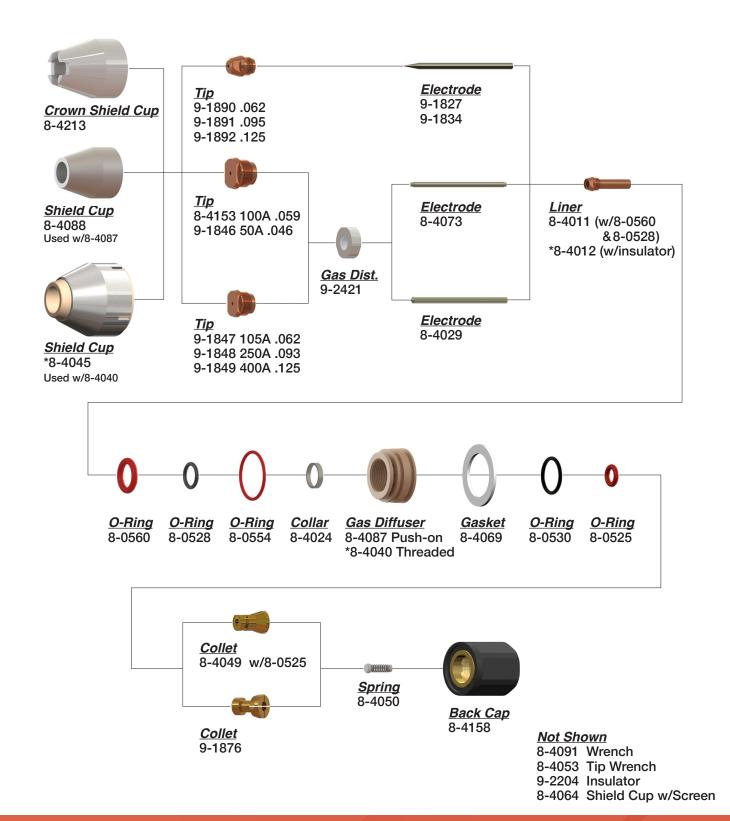
### COMPATIBLE WITH THERMAL DYNAMICS® PWH/M-3A†



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

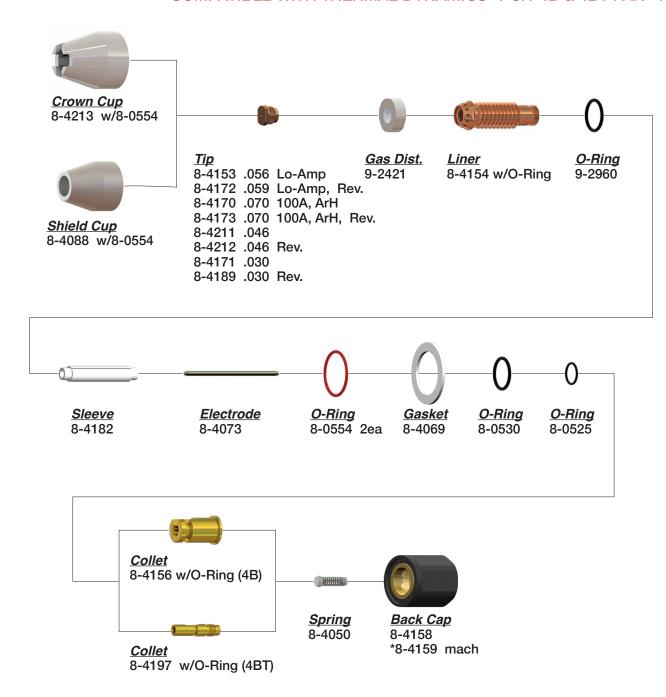


### COMPATIBLE WITH THERMAL DYNAMICS® PWH-4A†





#### COMPATIBLE WITH THERMAL DYNAMICS® PCH-4B & 4BT PAK® 10<sup>†</sup>



#### **Not Shown**

8-4157 Liner Wrench \*8-4160 Torch Body 70°

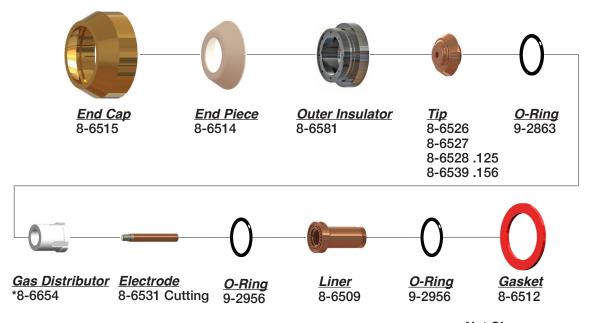
8-4196 Torch Head 180°

8-4198 Collet Wrench

8-4007 Wrench



#### COMPATIBLE WITH THERMAL DYNAMICS® PCH-6A<sup>†</sup>



#### Not Shown

\*8-5031 Spring

\*8-6500 Torch Head Assy. 70°

\*8-6510 Collet Assembly

\*8-6523 Back Cap

\*8-6533 Sleeve

#### COMPATIBLE WITH THERMAL DYNAMICS® PWM-6A<sup>†</sup>



### 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

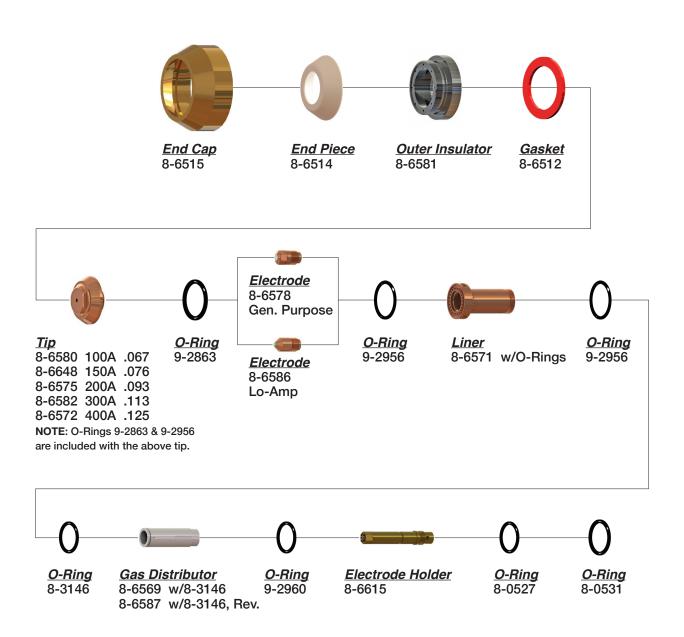
\*8-6541 Shield Adapter

\*8-6548 Collet Assembly

\*8-6565 Sleeve



### COMPATIBLE WITH THERMAL DYNAMICS® PCH-6B PAK® 44 & 45<sup>†</sup>



#### **Not Shown**

\*8-6517 Liner/Tip Wrench

8-6573 Wrench

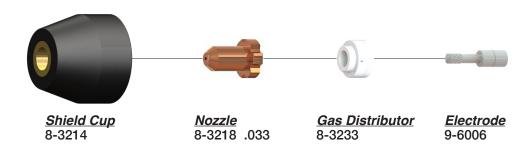
8-6574 Wrench

\*8-6577 Torch Body

8-8564 Torch

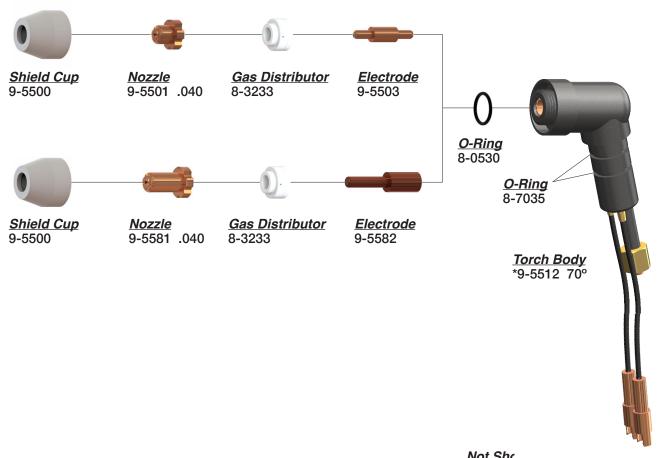


### COMPATIBLE WITH THERMAL DYNAMICS® PCH-20 DYNAPAK® 110<sup>†</sup>



**Not Shown** 8-3220 Torch Head, 70°

#### COMPATIBLE WITH THERMAL DYNAMICS® PCH-30 PAK® 3†



Not Sho

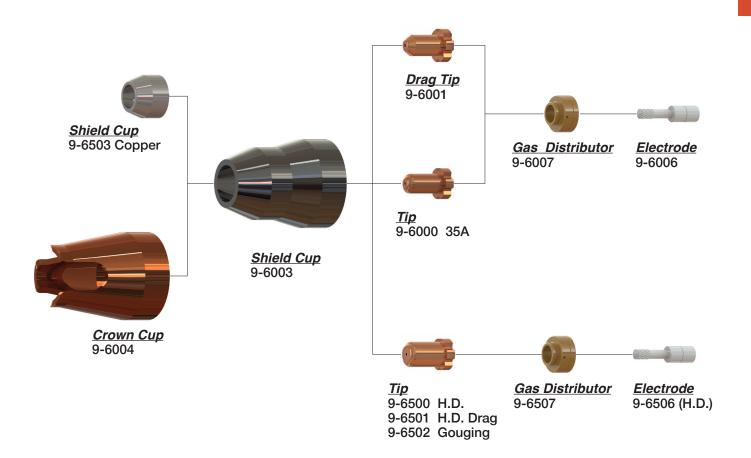
9-5504 Continuity Pin

9-5505 Spring

\*9-5509 Torch Body 180°



### COMPATIBLE WITH THERMAL DYNAMICS® PCH/M-35†



#### Not Shown

\*9-5807 Torch Body 70°

\*9-5809 Torch Body 180°

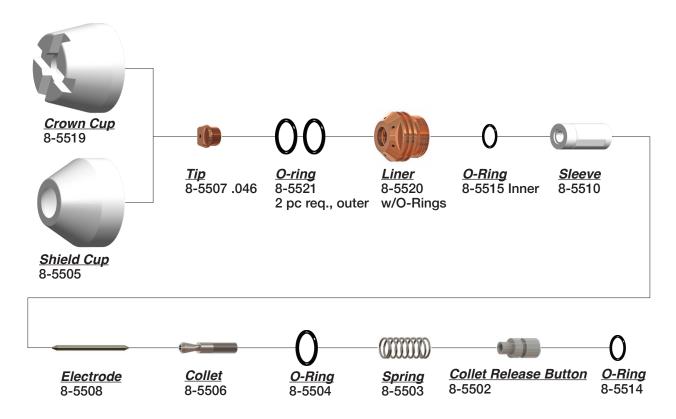


#### COMPATIBLE WITH THERMAL DYNAMICS® PCH/M-40†



Not Shown 9-6004 Crown Cup \*9-8055 Torch Head 70° \*9-8053 Torch Head 180°

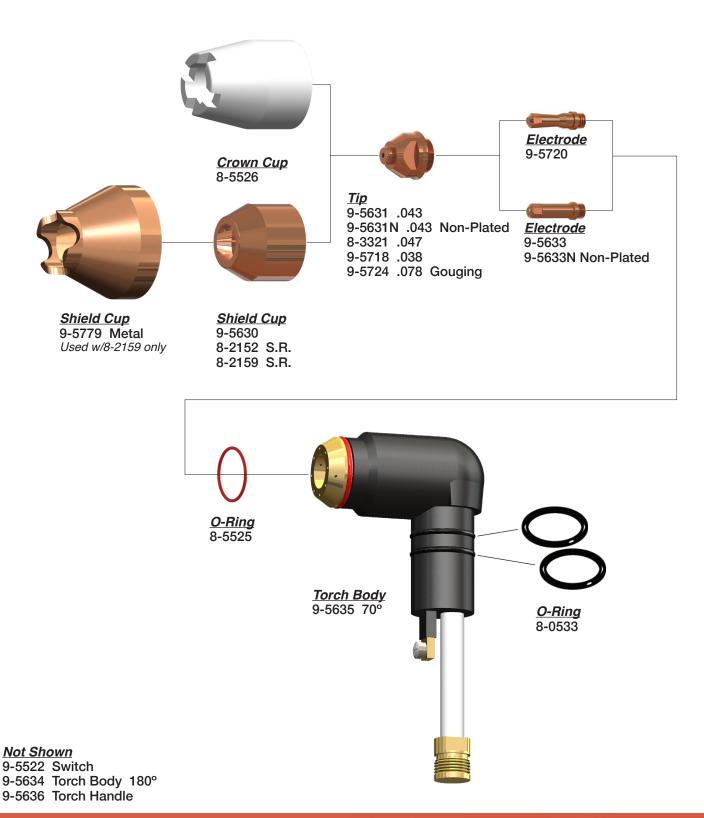
#### COMPATIBLE WITH THERMAL DYNAMICS® PCH-50 PAK® 5<sup>†</sup>



Not Shown 8-5512 Wrench \*8-5501 Torch Body 70°

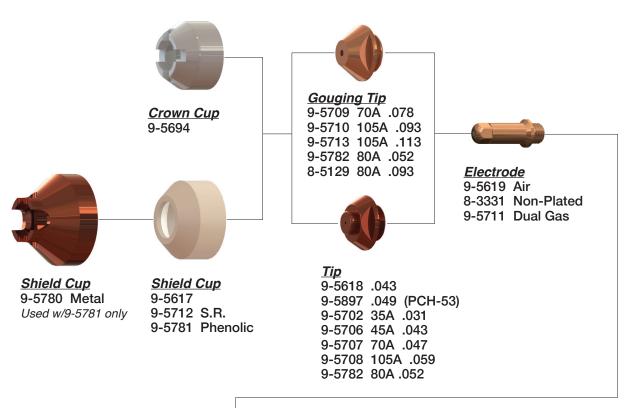


### COMPATIBLE WITH THERMAL DYNAMICS® PCH-51 3XR™, 4XI™, 5XR™†





### COMPATIBLE WITH THERMAL DYNAMICS® PCH-52, PCH-53 PAK5XR™, DG & 10XR™†





#### **Not Shown**

2-2936 Torch Assy. 70° w/25' Lead 2-2938 Torch Body w/25' Leads 8-5525 O-Ring 8-5128 Shield Cup, Gouging

8-5130 Heat Shield 9-5643 Torch Body 180°

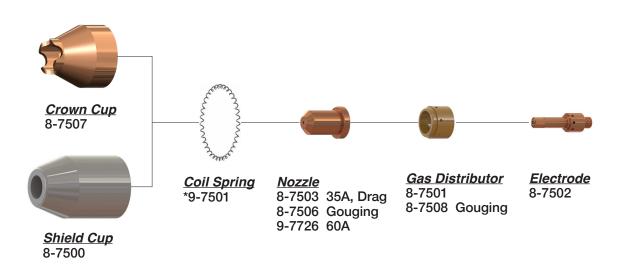
9-5644 Handle

9-6170 Torch 70° PCH-53

9-6180 Torch 180° PCM-53

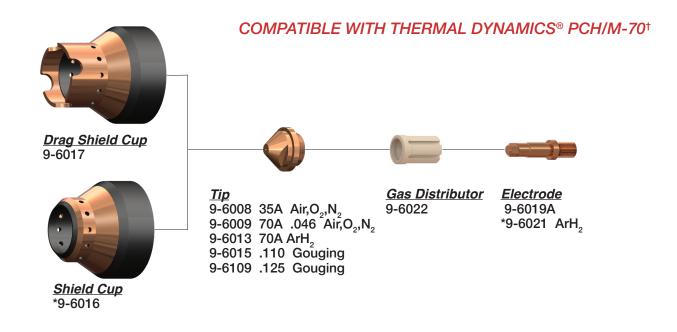


### COMPATIBLE WITH THERMAL DYNAMICS® PCH/M-60<sup>†</sup>



#### Not Shown

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



#### Not Shown

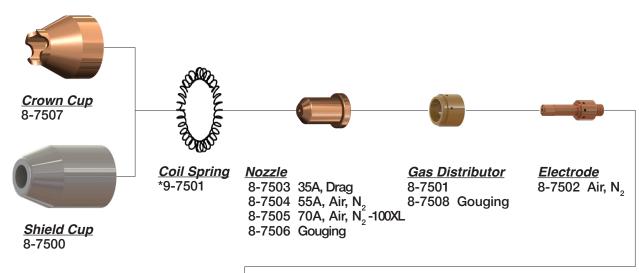
\*9-5810 Torch Head, 70°

\*9-5812 Torch Head, 180°

\*9-6018 Shield Cup



### COMPATIBLE WITH THERMAL DYNAMICS® PCH/M-75/100XL<sup>†</sup>

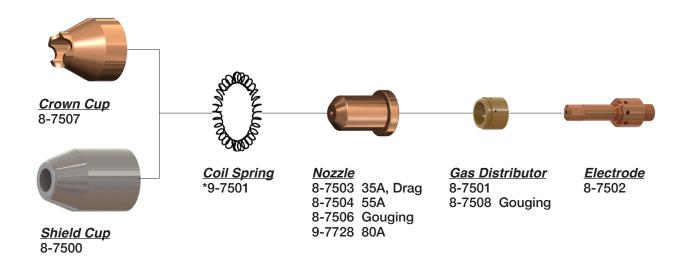




Not Shown 2-0001 Torch 70° W/25' Lead \*8-7511 Torch Body 90° \*8-7512 Torch Body 180° \*8-7525 Hi. Vis Shield



### COMPATIBLE WITH THERMAL DYNAMICS® PCH/M-80<sup>†</sup>



Not Shown

2-0080 Torch 70° W/25' Lead

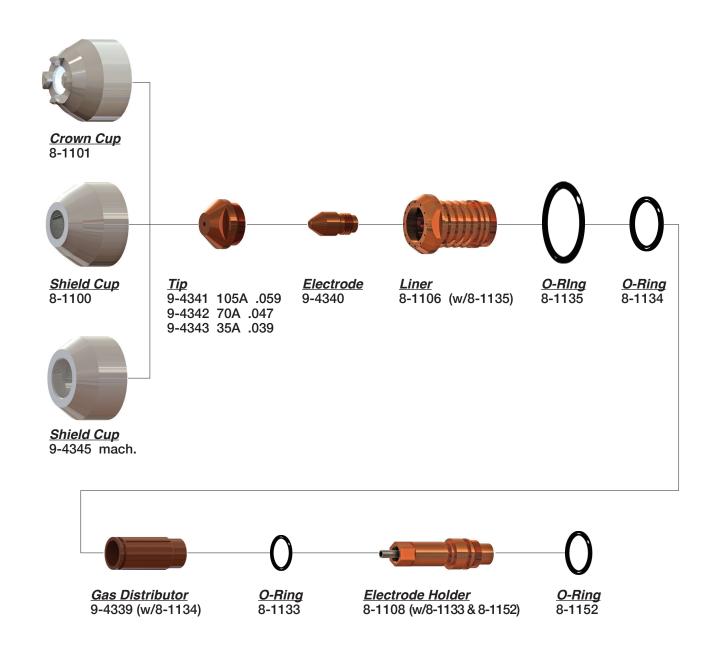
\*8-7525 Hi. Vis. Shield

\*9-8073 Torch Head 180°

\*9-8075 Torch Head 70°



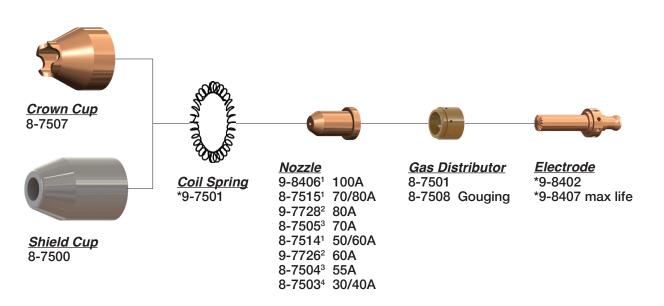
#### COMPATIBLE WITH THERMAL DYNAMICS® PCH-100 PAK ™ 10XR†



Not Shown 8-1109 Wrench 8-1110 Wrench 8-1111 Wrench \*8-1112 Torch Head, 180° \*8-1113 Torch Head, 70°



#### COMPATIBLE WITH THERMAL DYNAMICS® PCH/M-102 SURELOK® RPT†



#### **Not Shown**

8-0532 O-Ring

\*8-7525 Hi. Vis. Shield

\*9-8403 Torch Body 180°

\*9-8405 Torch Body 70°

- 1) Used in torches for TDC XL Plus systems.
- 2) Used in torches for TDC XR's and other Manufacturer's systems.
- 3) Used in torches for TDC XL systems.
- 4) Used in torches for all systems.

### COMPATIBLE WITH THERMAL DYNAMICS® PCH/M-140<sup>†</sup>



Shield Cup \*9-6045







9-6025 35A 9-6026 70A 9-6027 105A 9-6028 140A

\*9-6037 .110 Gouging \*9-6038 .125 Gouging \*9-6039 .156 Gouging \*9-6040 .171 Gouging



\*9-6112 Gouging

9-6051



**Gas Distributor Electrode** 9-6048

\*9-6110 Gouging

#### Not Shown

\*9-5813 Torch Body 70°

\*9-5815 Torch Body 180°

\*9-6046 Crown Cup

\*9-6047 Shield Cup



### COMPATIBLE WITH THERMAL DYNAMICS® PCH/M-145†



**Shield Cup** \*9-6075

 Tip
 Gas Distributor
 Electrode

 9-6055 35A
 9-6081
 9-6078A Air

 9-6056 70A
 \*9-6129 N₂

 9-6057 105A
 \*9-6130 Gouging

 9-6058 140A
 \*9-6130 Gouging

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

Not Shown

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

#### COMPATIBLE WITH THERMAL DYNAMICS® PCH/M-150 MERLIN 15XC<sup>†</sup>



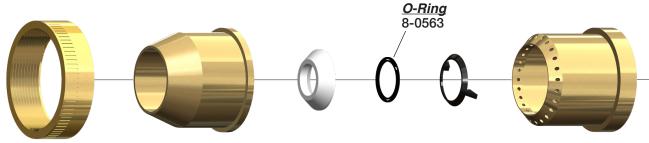
<u>Tip</u>	<b>Electrode</b>
9-5746 150A .070 Air	9-5749 Air
9-5747 100A .050 Air	9-5754 N <sub>2</sub> -ArH <sub>2</sub>
9-5748 50A .043 Air	9-5760 O <sub>2</sub> <sup>2</sup>
9-5751 150A .070 O <sub>2</sub>	2
9-5752 100A .052 Oູ້	
9-5753 50A .043 O <sub>2</sub> <sup>2</sup>	
9-5767 150A .016 Ñ <sub>2</sub>	
9-5766 100A .052 N <sub>2</sub>	
9-5765 50A .043 N <sub>2</sub>	
9-5755 150A .120 N̄ <sub>2</sub> Gougi	ng
9-5756 85A .078 N <sub>2</sub> , Gougir	ng
	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> 9-5766 100A .052 N <sub>2</sub> 9-5765 50A .043 N <sub>2</sub> 9-5755 150A .120 N <sub>2</sub> Gougi

### 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°



#### COMPATIBLE WITH THERMAL DYNAMICS® PCH/M-200†



\*8-6059 \*8-6078 Underwater

<u>End Cap</u>
\*8-6056 Push-on
\*8-6057 Heavy Duty
\*8-6077 Underwater

\*8-6006 H<sub>2</sub>O Shield \*8-0607 Gas Shield

\*8-0610 Piercing \*8-6029 H<sub>25</sub> *Coolant Baffle* \*9-2451

Outer Insulator \*8-6060



Retainer Tip 9-2210

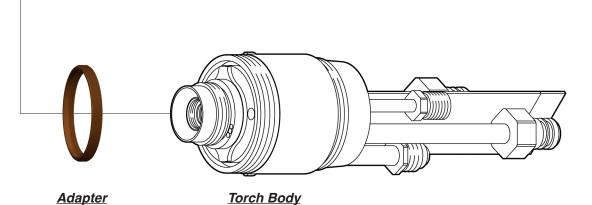
\*8-6058

<u>Tip</u> 8-6041 150A .081 8-6042 250A .109 8-6043 350A .125

8-6044 500A .140 8-6045 750A .175 8-6046 1000A .201

<u>Electrode</u> 9-1662 9-1642 9-1641 50A

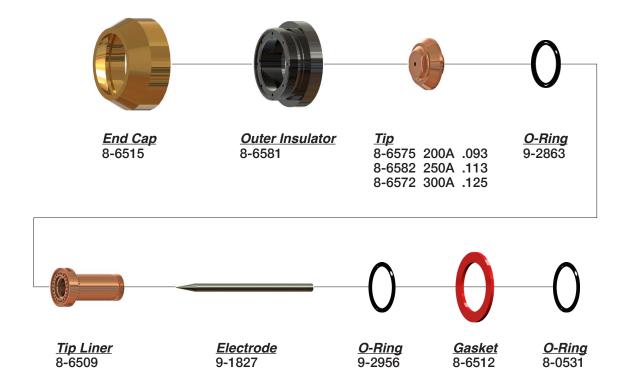
Electrode Seat Coolant Tube
9-1642 9-1640



\*8-6054



#### COMPATIBLE WITH THERMAL DYNAMICS® PWM-300<sup>†</sup>



Not Shown 8-0534 O-Ring \*8-6517 Tip/Liner Wrench



### COMPATIBLE WITH THERMAL DYNAMICS® SURELOK® SL60/SL100<sup>†</sup>





<u>Drag</u> <u>Shield Cap</u> 9-8244 40A

9-8235 50-60A 9-8236 70-100A 9-8258 120A



Gouging Shield Cap 9-8241



Mechanized Shield Cap 9-8245 40A 9-8238 50-60A 9-8239 70-100A 9-8256 120A



MaximumLife Shield Cup 9-8237



**Shield Cup** 9-8218







**Drag Tip**9-8205ATTC 20A
9-8206ATTC 30A
9-8207ATTC 40A

9-8207ATTC 40A 9-8252 60A 9-8213 9-8277‡ (Heavy Duty)

Start Catridge

**Electrode** 9-8215

### **Gouging Tip**

9-8225	(Type A)
9-8226	(Type B)
9-8227	(Type C)
9-8228	(Type D)
9-8254	(Type E)

#### Standoff Tip

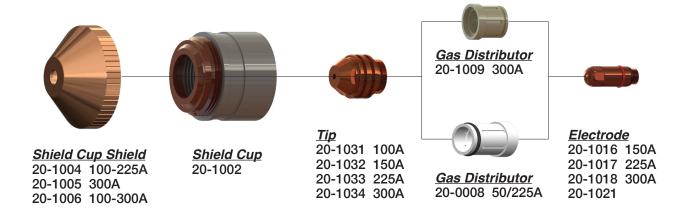
9-8208ATTC	40A
9-8209ATTC	50A
9-8210ATTC	60A
9-8231ATTC	70A
9-8211ATTC	80A
9-8212ATTC	90-100A
9-8253ATTC	120A

#### Not Shown

9-8224*	Ohmic Clip
8-3486	O-Ring
8-3487	O-Ring
9-8251*	Standoff Guide
9-8281*	Standoff Guide
8-4025	O-Ring Lubricant

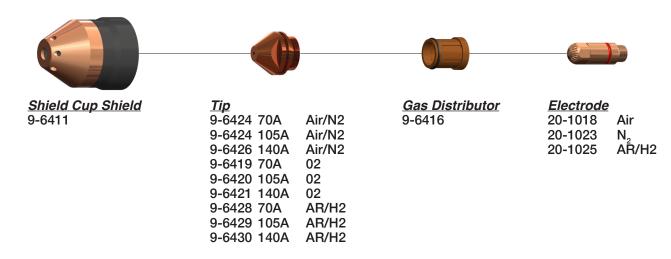
<sup>&</sup>lt;sup>‡</sup> Not to be used with HF Systems.





Not Shown \*9-6410 Torch Body \*20-0001 Consumable Wrench

### COMPATIBLE WITH THERMAL DYNAMICS® TD 750<sup>†</sup>

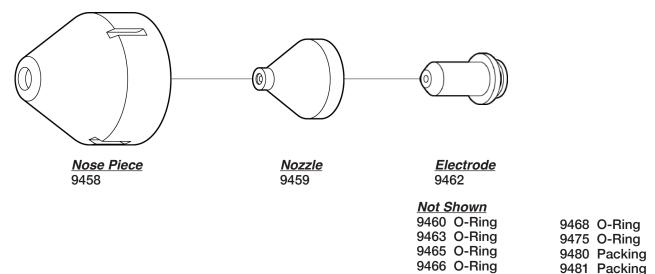




#### WEIDEMANN® / WELDCRAFT® STYLE 145

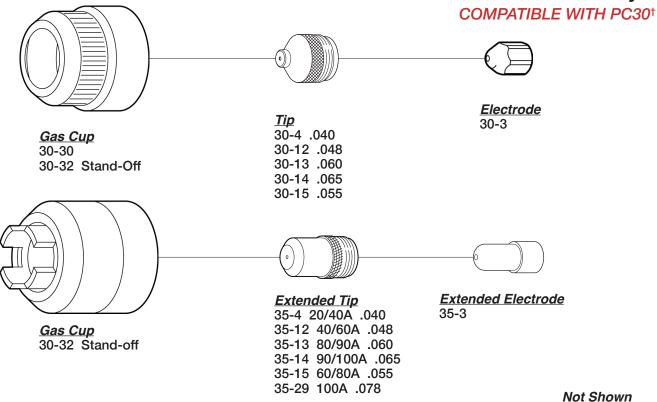
### WIEDEMANN® Style

#### COMPATIBLE WITH WEIDEMANN® IC100†





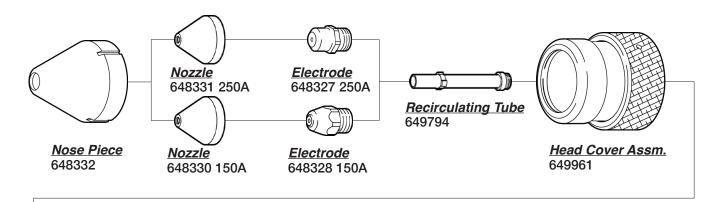
PC2-30

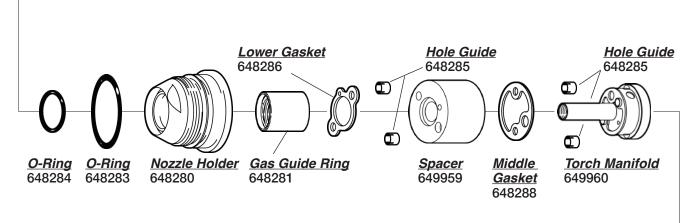


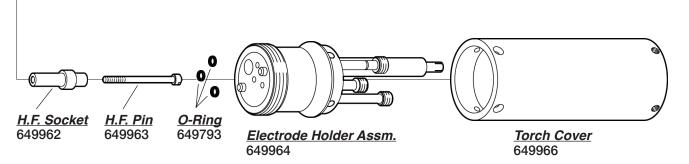


#### 146 WHITNEY®STYLE

#### COMPATIBLE WITH WHITNEY® IC-300<sup>†</sup>







#### Not Shown

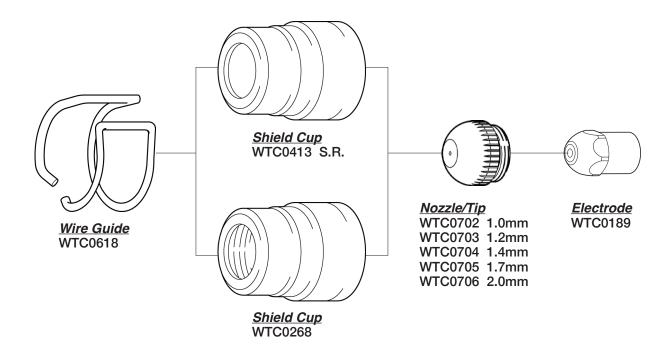
643722 IC-300 Torch Comp.
648282 Gasket Spacer
648310 Fitting, Argon Hose
648312 Fitting, H2O Hose In
648313 Fitting, H2O Hose Out
648317 Screw, Cone
648318 Screw, Cone
648333 Screw, Cone/Nylon
649150A Gas Fitting, 150A
649797 Front Section
649965 Gas Fitting, 250A
827260 Socket Collar
827261 Plug B

**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.



#### WTC® STYLE 147

#### COMPATIBLE WITH WTC® M100, 150<sup>†</sup>





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

PLASMA	MIG
LIFETIME *PHD and PHDX Torch Bodies	LIFETIME *Lightning® Handle and Trigger Switch  ONE YEAR *Lightning® Semi-Automatic MIG Guns *Lightning® Robotic MIG Guns *Lightning® Fixed Automation MIG Guns  180 DAYS *All Other Gun Models
THERMAL SPRAY	TIG
ONE YEAR *Thermal Spray Guns	ONE YEAR *TIG Torches

<sup>\*</sup>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 instructors and operating guidelines. Within the warranty periods listed above and at ATTC's sole discreton, 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 consequental damages. The warranty is limited to the conditions stated above and excludes, to the fullest extent permited by law, all conditions, warrantes and representations express or implied by statue, law or otherwise in relation to



Plasma Inde	Y	8-3487		143	8-5514		132	8-6577 129	9
	^	8-4007		127	8-5515		132	8-6578129	9
Symbols		8-4011		126	8-5519		132	8-6580 129	
_					8-5520			8-6581 128, 129, 143	
0-0707 7							132	8-6582 129, 143	2
2-0001 1					8-5525	133,		8-6586 129	-
2-0080 1							133	8-6587 129	-
2-2936 1							141	8-6615 129	-
2-2938 1							141	8-6648 129	
6-32X 29, 35,				126			141	8-6654128	_
8-0525 126, 1			126,				141	8-7035 130	-
8-0527 125, 1							141	8-7500 135, 136, 137, 139	
8-0528 1				126			141	8-7501 135, 136, 137, 139	
8-0530 126, 127, 1			126,				141	8-7502 136, 13	
8-0531 129, 1			126,				141	8-7502ATTC	-
	139			126			141	8-7503 135, 136, 137, 139	
	133		126,				141	8-7504 136, 137, 139	
8-0534 128, 1				126			141	8-7505 136, 139	
8-0554 126, 1			126,				141	8-7506 136, 13	
8-0557 1 8-0560 1							141	8-7507 135, 136, 137, 139	
8-0563 1							141	8-7508 135, 136, 137, 139	
8-0607 1			100	127			141	8-7510 130	_
8-0610 1			126,				141	8-7511 130	_
	138						128	8-7512 130	_
	138						128	8-7514	-
	138					128,		8-7515 138	-
	138					128, 129,	128	8-7525 135, 136, 137, 139	_
	138					120, 129, 128,		8-8564 129 9-1640 14	-
	138					128, 129,		9-1641 14	
	138					120, 129, 129,		9-1642 14	
	138					•	128	9-166214	
	138							9-1747 12	
	138							9-1775 12	-
	138							9-1779 12	
8-1135 1								9-1782 129	
	138						128	9-1783 128	
8-2152 1							128	9-1784	
8-2159 1	133							9-1785	
8-3030 1	125						128	9-1788	
8-3040 1	125						128	9-1789	
8-3052 1	125						128	9-1790 12	
8-3053 1	125						128	9-1791 12	
8-3146 1	129						128	9-179512	
8-3214 1	130				8-6565		128	9-180312	
8-3218 1	130						129	9-1827 126, 142	
8-3220 1	130			132			129	9-1834 120	
8-3233 1	130	8-5507	132,			129,		9-1846 120	6
8-3321 1	133		······					9-1847 120	
8-3331 1		8-5510		132	8-6574		129	9-1848 120	6
8-3486 1	143	8-5512		132	8-6575	129,	142	Plasma12	6

9 1849		(E)					
9-1876	9-184912	26	9-5718	133	9-6018	135	9-7501 135, 136, 137, 139
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9-4342         138         9-5756         140         9-6055         140, 143         9-8235         143           9-4343         138         9-5760         140         9-6055         140, 143         9-8236         143           9-5500         130         9-5765         140         9-6056         140         9-8238         143           9-5601         130         9-5766         140         9-6058         140         9-8231         143           9-5603         130         9-5767         140         9-6068         140         9-8243         143           9-5604         130         9-5767         140         9-6066         140         9-8251         143           9-5505         130         9-5774         140         9-6067         140         9-8256         143           9-5609         130         9-5780         133         9-6069         140         9-8254         143           9-5612         130         9-5781         134         9-6075         140,143         9-8258         143           9-5622         133         9-5780         140         9-6077         140         9-8277         143           9-5638							
9.4343         138         9.5758         140         9.6055         140,143         9.8236         143           9.4345         138         9.5766         140         9.6056         140         9.8238         143           9.5500         130         9.5766         140         9.6058         140         9.8239         143           9.5501         130         9.5766         140         9.6058         140         9.8243         143           9.5503         130         9.5767         140         9.6060         125         9.8251         143           9.5505         130         9.5779         133         9.6069         140         9.8254         143           9.5509         130         9.5780         134         9.6070         140         9.8256         143           9.5512         133         9.5782         134         9.6076         140         9.8277         143           9.5582         133         9.5782         134         9.6076         140         9.8277         143           9.5681         130         9.5790         140         9.6077         140         9.8281         143           9.5682         133 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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9-5509	9-5504 13	30	9-5774	140	9-6067	140	9-8252 143
9-5512	9-5505 13	30	9-5779	133	9-6069	140	9-8254 143
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9-5581         130         9-5790         140         9-6077         140         9-8281         143           9-5582         130         9-5790B         140         9-6078A         140, 143         9-8402         139           9-5617         134         9-5790CT         140         9-6081         140, 143         9-8403         139           9-5618         134         9-5801         140         9-6109         135         9-8405         139           9-5619         134         9-5807         131         9-6110         139         9-8406         139           9-5630         133         9-5809         131         9-6112         139         9-8407         139           9-5631         133         9-5810         135         9-6129         140         14K05         30           9-5631N         133         9-5812         135         9-6130         140         20-0001         144           9-5633         133         9-5812         135         9-6130         140         20-0001         144           9-5633         133         9-5815         139         9-6180         134         20-0016         3           9-5634	9-5512 13	30	9-5781	134	9-6075	140, 143	9-8258 143
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9-5582         130         9-5790B         140         9-6078A         140,143         9-8402         139           9-5617         134         9-5790CT         140         9-6081         140,143         9-8403         139           9-5618         134         9-5801         140         9-6109         135         9-8405         139           9-5619         134         9-5807         131         9-6110         139         9-8406         139           9-5630         133         9-5809         131         9-6110         139         9-8406         139           9-5631         133         9-5810         135         9-6129         140         14K05         30           9-5631N         133         9-5810         135         9-6129         140         14K05         30           9-5631N         133         9-5812         135         9-6130         140         20-0001         144           9-5633         133         9-5815         139         9-6170         134         20-0008         144           9-5633         133         9-5815         139         9-6180         134         20-0816         3           9-5634 <t< td=""><td>9-5581 13</td><td>30</td><td>9-5790</td><td>140</td><td>9-6077</td><td> 140</td><td>9-8281 143</td></t<>	9-5581 13	30	9-5790	140	9-6077	140	9-8281 143
9-5617         134         9-5790CT         140         9-6081         140,143         9-8403         139           9-5618         134         9-5801         140         9-6109         135         9-8405         139           9-5619         134         9-5807         131         9-6110         139         9-8406         139           9-5630         133         9-5809         131         9-6112         139         9-8407         139           9-5631         133         9-5810         135         9-6129         140         14K05         30           9-5631         133         9-5812         135         9-6129         140         14K05         30           9-5631         133         9-5812         135         9-6129         140         14K05         30           9-5631         133         9-5812         135         9-6129         140         140         20-0001         144           9-5633         133         9-5812         135         9-6129         140         120-0001         144           9-5634         133         9-5815         139         9-6180         134         20-00816         3           9-5635 <td>9-558213</td> <td>30</td> <td>9-5790B</td> <td>140</td> <td>9-6078A</td> <td>140, 143</td> <td></td>	9-558213	30	9-5790B	140	9-6078A	140, 143	
9-5618         134         9-5801         140         9-6109         135         9-8405         139           9-5619         134         9-5807         131         9-6110         139         9-8406         139           9-5630         133         9-5809         131         9-6112         139         9-8407         139           9-5631         133         9-5810         135         9-6129         140         14K05         30           9-5631N         133         9-5812         135         9-6130         140         20-0001         144           9-5633         133         9-5813         139         9-6170         134         20-0008         144           9-5633N         133         9-5815         139         9-6180         134         20-0816         3           9-5634         133         9-5816         140         9-6410         140, 144         20-0816         3           9-5635         133         9-5897         134         9-6419         144         20-0818         3           9-5636         133         9-6000         131         9-6420         144         20-0818         3           9-5642         134 <td></td> <td>34</td> <td></td> <td>140</td> <td></td> <td>,</td> <td>9-8403 139</td>		34		140		,	9-8403 139
9-5619         134         9-5807         131         9-6110         139         9-8406         139           9-5630         133         9-5809         131         9-6112         139         9-8407         139           9-5631         133         9-5810         135         9-6129         140         14K05         30           9-5631N         133         9-5812         135         9-6130         140         20-0001         144           9-5633         133         9-5813         139         9-6170         134         20-0008         144           9-5633N         133         9-5815         139         9-6180         134         20-0816         3           9-5634         133         9-5816         140         9-6410         140, 144         20-0816         3           9-5635         133         9-5897         134         9-6410         140, 144         20-0817         3           9-5636         133         9-6000         131         9-6420         144         20-0818         3           9-5642         134         9-6001         131         9-6420         144         20-0819         3           9-5642         13	9-5618	34		140		*	
9-5630         133         9-5809         131         9-6112         139         9-8407         139           9-5631         133         9-5810         135         9-6129         140         14K05         30           9-5631N         133         9-5812         135         9-6130         140         20-0001         144           9-5633         133         9-5813         139         9-6170         134         20-0008         144           9-5633N         133         9-5815         139         9-6180         134         20-0816         3           9-5634         133         9-5815         139         9-6180         140         20-0816         3           9-5634         133         9-5815         139         9-6180         140         20-0816         3           9-5635         133         9-5897         134         9-6410         140, 144         20-0817         3           9-5635         133         9-5800         131         9-6429         144         20-0818         3           9-5642         134         9-6001         131         9-6420         144         20-0842         3           9-5643         134		34		131			
9-5631         133         9-5810         135         9-6129         140         14K05         30           9-5631N         133         9-5812         135         9-6130         140         20-0001         144           9-5633         133         9-5813         139         9-6170         134         20-0008         144           9-5633N         133         9-5815         139         9-6180         134         20-0816         3           9-5634         133         9-5816         140         9-6410         140, 144         20-0816         3           9-5635         133         9-5897         134         9-6419         144         20-0818         3           9-5636         133         9-6000         131         9-6420         144         20-0818         3           9-5642         134         9-6001         131         9-6420         144         20-0819         3           9-5643         134         9-6001         131         9-6420         144         20-0842         3           9-5643         134         9-6002         132         9-6424         144         20-0854         3           9-5643         134		-					
9-5631N         133         9-5812         135         9-6130         140         20-0001         144           9-5633         133         9-5813         139         9-6170         134         20-0008         144           9-5633N         133         9-5815         139         9-6180         134         20-0816         3           9-5634         133         9-5816         140         9-6410         140,144         20-0817         3           9-5635         133         9-5897         134         9-6419         144         20-0818         3           9-5636         133         9-5897         134         9-6419         144         20-0818         3           9-5636         133         9-6000         131         9-6420         144         20-0819         3           9-5642         134         9-6001         131         9-6420         144         20-0819         3           9-5643         134         9-6002         132         9-6421         144         20-0842         3           9-5644         134         9-6002         132         9-6426         144         20-0857         3           9-5694         134							
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23-6302         119         55-0542         14,17         60-0344         11,12         65-0432-007         95           23-6303         119         55-0545         14,17         60-0346         11,12         65-0432-008         95           24-7301         119         55-0552         14         60-0346         12         65-0432-013         95           24-7302         119         55-0553         14         60-0347         12         65-0432-021         95,96           24-7304         119         55-0555         14         60-0352         11         65-0432-021         95,96           25-8301         120         55-05603         14         60-0353         11         65-0434-007         97           25-8303         120         55-0603         14         60-0354         11         65-0434-017         97           25-8304         120         55-0606         14         60-0355         11         65-0434-015         97,98,99,100           25-8304         120         55-0607         14,17         60-0366         11         165-0434-015         97,98,99,90           30-3         145         55-0609         14         60-0436         11,12         65-0434-0	20-8937 3	55-0510 14	60-0342 11, 12	65-0432-00595
23-6302         119         55-0542         14,17         60-0344         11,12         65-0432-007         95           23-6303         119         55-0545         14,17         60-0345         11,12         65-0432-008         95           24-7301         119         55-0552         14         80-0346         12         65-0432-013         95           24-7302         119         55-0553         14         60-0347         12         65-0432-021         95,96           24-7304         119         55-0555         14         60-0352         11         65-0432-021         95,96           25-8301         120         55-0603         14         60-0353         11         65-0434-007         97           25-8303         120         55-0603         14         60-0355         11         65-0434-018         97,98         98           25-8303         120         55-0607         14,17         60-0365         11         65-0434-015         97,98,99,100           30-3         145         55-0608         14         60-0355         11         65-0434-015         97,98,99,100           30-4         145         55-0668         14         60-0405         11,12	23-6301 119	55-054114	60-0343 11	
23 6303         119         55-0545         14, 17         60-0345         11, 12         65-0432-008         95           24-7301         119         55-0552         14         60-0346         12         65-0432-021         95           24-7302         119         55-0553         14         60-0347         12         65-0432-021         95, 96           24-7304         119         55-0555         14         60-0352         11         65-0432-021         95, 96           25-8301         120         55-0565         14         60-0353         11         65-0434-007         97           25-8302         120         55-0606         14         60-0354         11         65-0434-008         97, 98           25-8304         120         55-0607         14, 17         60-0356         11         65-0434-015         97, 98, 99, 100           30-3         145         55-0608         14         60-0398         11, 12         65-0434-015         97, 98, 99, 100           30-12         145         55-0609         14         60-0406         11, 12         65-0434-018         97, 98, 99, 99           30-12         15         55-0646         14         60-0406         11, 12 <td></td> <td></td> <td></td> <td></td>				
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24-7302         119         55-0553         14         60-0347         12         65-0432-021         95, 96           24-7304         119         55-0554         14         60-0352         11         65-0432-055         95           25-8301         120         55-0555         14         60-0353         11         65-0434-008         97         97           25-8302         120         55-0606         14         60-0355         11         65-0434-018         97, 98           25-8303         120         55-0607         14, 17         60-0356         11         65-0434-018         97, 99           25-8304         120         55-0608         14         60-0356         11         65-0434-015         97, 99         99, 100           30-3         145         55-0608         14         60-0406         11, 12         65-0434-015         97, 99         99, 99           30-12         145         55-0645         14         60-0406         11, 12         65-0434-017         97           30-12         145         55-0646         14         60-0407         11, 12         65-0434-019         97           30-13         145         55-0649         14			· · · · · · · · · · · · · · · · · · ·	
24-7304         119         55-0554         14         60-0352         11         65-0432-555         95           25-8301         120         55-0655         14         60-0353         11         65-0434-007         97           25-8302         120         55-0603         14         60-0354         11         65-0434-008         97, 98           25-8303         120         55-0606         14         60-0355         11         65-0434-015         97, 98, 99, 100           30-3         145         55-0607         14, 17         60-0356         11         65-0434-015         97, 98, 99, 100           30-3         145         55-0608         14         60-0398         11, 12         65-0434-016         97, 99           30-4         145         55-0609         14         60-0405         11, 12         65-0434-017         97           30-12         145         55-0645         14         60-0406         11, 12         65-0434-018 ATTC         98           30-13         146         55-0645         14         60-0407         11, 12         65-0434-019         97           30-14         145         55-0649         14         60-0433         11         65-0434				
25-8301         120         55-0555         14         60-0353         11         65-0434-007         97           25-8302         120         55-0603         14         60-0355         11         65-0434-008         97, 98           25-8303         120         55-0606         14         60-0355         11         65-0434-012         97           25-8304         120         55-0607         14, 17         60-0356         11         65-0434-016         97, 98, 99, 100           30-3         145         55-0608         14         60-0398         11, 12         65-0434-016         97, 99           30-4         145         55-0609         14         60-0406         11, 12         65-0434-017         97           30-12         145         55-0645         14         60-0406         11, 12         65-0434-019         97           30-13         145         55-0645         14         60-0407         11, 12         65-0434-019         97           30-14         145         55-0646         14         60-0407         11, 12         65-0434-019         97           30-14         145         55-0656         14         60-0435         11         65-0434-022				•
25-8302         120         55-0603         14         60-0354         11         65-0434-008         97, 98           25-8303         120         55-0606         14         60-0355         11         65-0434-012         97           25-8304         120         55-0607         14, 17         60-0356         11         65-0434-015         97, 98, 99, 100           30-3         145         55-0608         14         60-0398         11, 12         65-0434-016         97, 99           30-4         145         55-0608         14         60-0405         11, 12         65-0434-017         97           30-12         145         55-0645         14         60-0406         11, 12         65-0434-018         97, 99           30-13         145         55-0646         14         60-0407         11, 12         65-0434-019         97           30-14         145         55-0649         14         60-0403         11         65-0434-020         97, 98, 99           30-30         120,145         55-0896         14         60-0435         11         65-0434-021         97, 99           30-32         120,145         55-0894         16         60-0436         11         65				
25-8303         120         55-0606         14         60-0355         11         65-0434-012         97           25-8304         120         55-0607         14,17         60-0356         11         65-0434-015         97,98,99,100           30-3         145         55-0608         14         60-0388         11,12         65-0434-016         97,99           30-4         145         55-0609         14         60-0405         11,12         65-0434-017         97           30-12         145         55-0645         14         60-0406         11,12         65-0434-017         97           30-13         145         55-0646         14         60-0407         11,12         65-0434-019         97           30-14         145         55-0649         14         60-0433         11         65-0434-020         97,98,99           30-30         120,145         55-0656         14         60-0435         11         65-0434-021         97,99           30-32         120,145         55-0965         14         60-0435         11         65-0434-021         97,98           30-32         120,145         55-0961         14,15         60-0439         11         65-0434-022 <td></td> <td></td> <td></td> <td></td>				
25-8304         120         55-0607         14, 17         60-0356         11         65-0434-015         97, 98, 99, 100           30-3         145         55-0608         14         60-0398         11, 12         65-0434-016         97, 99           30-4         145         55-0609         14         60-0405         11, 12         65-0434-017         97           30-12         145         55-0645         14         60-0406         11, 12         65-0434-018ATIC         98           30-13         145         55-0646         14         60-0407         11, 2         65-0434-019         97           30-14         145         55-0649         14         60-0433         11         65-0434-019         97           30-15         145         55-0656         14         60-0435         11         65-0434-021         97, 98           30-30         120, 145         55-0894         16         60-0436         11         65-0434-022         97, 98           35-3         145         55-0991         14, 15         60-0499         11         65-0434-023         97           35-12         145         55-8983         14         60-0440         11         65-0436-002 <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td>				· · · · · · · · · · · · · · · · · · ·
30-3         145         55-0608         14         60-0398         11, 12         65-0434-016         97, 99           30-4         145         55-0609         14         60-0405         11, 12         65-0434-017         97           30-12         145         55-0645         14         60-0406         11, 12         65-0434-018ATTC         98           30-13         145         55-0646         14         60-0407         11, 12         65-0434-019         97           30-14         145         55-0649         14         60-0433         11         65-0434-020         97, 98, 99           30-15         145         55-0666         14         60-0433         11         65-0434-021         97, 98           30-30         120, 145         55-0894         16         60-0436         11         65-0434-022         97, 98           30-32         120, 145         55-0991         14, 15         60-0439         11         65-0434-022         97         98           35-3         145         55-0983         14         60-0440         11         65-0436-002         96           35-12         145         55-8546         16         60-0542         11				
30-4         145         55-0609         14         60-0405         11, 12         65-0434-017         97           30-12         145         55-0645         14         60-0406         11, 12         65-0434-018ATTC         98           30-13         145         55-0646         14         60-0407         11, 12         65-0434-019         97           30-14         145         55-0649         14         60-0433         11         65-0434-020         97, 98, 99           30-15         145         55-0656         14         60-0435         11         65-0434-021         97, 98           30-30         120,145         55-0894         16         60-0436         11         65-0434-022         97, 98           30-32         120,145         55-0991         14, 15         60-0439         11         65-0434-022         97           35-3         145         55-0998         14         60-0440         11         65-0436-002         96           35-12         145         55-8547         16         60-0542         11         65-0436-003ATTC         96           35-13         145         55-8547         16         60-0545         11         65-0436-007		*		
30-12         145         55-0645         14         60-0406         11, 12         65-0434-018ATTC         98           30-13         145         55-0646         14         60-0407         11, 12         65-0434-019         97           30-14         145         55-0649         14         60-0433         11         65-0434-020         97, 98, 99           30-15         145         55-0656         14         60-0435         11         65-0434-021         97, 99           30-30         120, 145         55-0901         14, 15         60-0436         11         65-0434-022         97, 98           30-32         120, 145         55-0901         14, 15         60-0439         11         65-0434-022         97           35-3         145         55-0983         14         60-0449         11         65-0434-023         97           35-4         145         55-09983         14         60-0440         11         65-0436-002         96           35-12         145         55-8546         16         60-0541         11         65-0436-003         96           35-13         145         55-8905         13         60-0552         11         65-0436-005         <				· · · · · · · · · · · · · · · · · · ·
30-13         145         55-0646         14         60-0407         11, 12         65-0434-019         97           30-14         145         55-0649         14         60-0433         11         65-0434-020         97, 98, 99           30-15         145         55-0656         14         60-0435         11         65-0434-021         97, 99           30-30         120, 145         55-0894         16         60-0436         11         65-0434-022         97, 98           30-32         120, 145         55-0901         14, 15         60-0439         11         65-0434-023         97           35-3         145         55-0998         14         60-0440         11         65-0436-002         96           35-4         145         55-0998         14         60-0541         11         65-0436-003ATTC         96           35-12         145         55-8546         16         60-0542         11         65-0436-004         96           35-14         145         55-9901         13         60-0545         11         65-0436-005         96           35-15         145         55-9905         13         60-0552         11         65-0438-003         98 <td></td> <td></td> <td></td> <td></td>				
30-14         145         55-0649         14         60-0433         11         65-0434-020         97,98,99           30-15         145         55-0656         14         60-0435         11         65-0434-021         97,99           30-30         120,145         55-0894         16         60-0436         11         65-0434-022         97,98           30-32         120,145         55-0901         14,15         60-0439         11         65-0434-023         97           35-3         145         55-0983         14         60-0440         11         65-0436-002         96           35-4         145         55-0998         14         60-0541         11         65-0436-003ATTC         96           35-12         145         55-8546         16         60-0542         11         65-0436-004         96           35-13         145         55-8954         16         60-0545         11         65-0436-004         96           35-14         145         55-9901         13         60-0545         11         65-0436-007         96           35-15         145         55-9903         13         60-0552         11         65-0436-007         96			•	
30-15         145         55-0656         14         60-0435         11         65-0434-021         97, 99           30-30         120, 145         55-0894         16         60-0436         11         65-0434-022         97, 98           30-32         120, 145         55-0901         14, 15         60-0439         11         65-0434-023         97           35-3         145         55-0983         14         60-0440         11         65-0436-002         96           35-4         145         55-0998         14         60-0541         11         65-0436-003ATTC         96           35-12         145         55-8546         16         60-0542         11         65-0436-004         96           35-13         145         55-8547         16         60-0545         11         65-0436-005         96           35-14         145         55-9901         13         60-0552         11         65-0436-007         96           35-15         145         55-9903         13         60-0553         11         65-0438-002         98           55-0162         16         60-0000         7, 16         60-0555         11         65-0438-002         98 </td <td></td> <td></td> <td>*</td> <td></td>			*	
30-30         120, 145         55-0894         16         60-0436         11         65-0434-022         97, 98           30-32         120, 145         55-0901         14, 15         60-0439         11         65-0434-023         97           35-3         145         55-0998         14         60-0440         11         65-0436-002         96           35-4         145         55-0998         14         60-0541         11         65-0436-003ATTC         96           35-12         145         55-8546         16         60-0542         11         65-0436-004         96           35-13         145         55-8547         16         60-0545         11         65-0436-005         96           35-14         145         55-9901         13         60-0552         11         65-0436-007         96           35-15         145         55-9903         13         60-0553         11         65-0436-008         96           35-29         145         55-9905         13         60-0554         11         65-0438-002         98           55-0162         16         60-0107         7,16         60-0555         11         65-0438-003         98				
30-32         120, 145         55-0901         14, 15         60-0439         11         65-0434-023         97           35-3         145         55-0983         14         60-0440         11         65-0436-002         96           35-4         145         55-0998         14         60-0541         11         65-0436-003ATTC         96           35-12         145         55-8546         16         60-0542         11         65-0436-004         96           35-13         145         55-8547         16         60-0545         11         65-0436-005         96           35-14         145         55-9901         13         60-0552         11         65-0436-007         96           35-15         145         55-9903         13         60-0552         11         65-0436-007         96           35-29         145         55-9905         13         60-0554         11         65-0438-002         98           55-0162         16         60-0000         7, 16         60-0555         11         65-0438-003         98           55-0173         14, 15         60-0176         11, 12         60-0603         11, 14         65-0438-005         98 </td <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td>				· · · · · · · · · · · · · · · · · · ·
35-3         145         55-0983         14         60-0440         11         65-0436-002         96           35-4         145         55-0998         14         60-0541         11         65-0436-003ATTC         96           35-12         145         55-8546         16         60-0542         11         65-0436-004         96           35-13         145         55-8547         16         60-0545         11         65-0436-005         96           35-14         145         55-9901         13         60-0552         11         65-0436-007         96           35-15         145         55-9903         13         60-0553         11         65-0436-008         96           35-29         145         55-9905         13         60-0554         11         65-0438-002         98           55-0162         16         60-0000         7, 16         60-0555         11         65-0438-003         98           55-0163         16         60-0173         11, 12         60-0571         11, 14         65-0438-004         98           55-0173         14, 15         60-0176         11, 12         60-0603         11         65-0438-005         98				· · · · · · · · · · · · · · · · · · ·
35-4       145       55-0998       14       60-0541       11       65-0436-003ATTC       96         35-12       145       55-8546       16       60-0542       11       65-0436-004       96         35-13       145       55-8547       16       60-0545       11       65-0436-005       96         35-14       145       55-9901       13       60-0552       11       65-0436-007       96         35-15       145       55-9903       13       60-0553       11       65-0436-008       96         35-29       145       55-9905       13       60-0554       11       65-0438-002       98         55-0162       16       60-0000       7, 16       60-0555       11       65-0438-003       98         55-0173       14, 15       60-0173       11, 12       60-0571       11, 14       65-0438-004       98         55-0176       14, 15       60-0179       11, 12       60-0606       11       65-0438-013       97         55-0180       14, 15       60-0180       11, 12       60-0607       11       65-0439-003       101         55-0181       14, 15       60-0182       11       60-0609       11		*		
35-12       145       55-8546       16       60-0542       11       65-0436-004       96         35-13       145       55-8547       16       60-0545       11       65-0436-005       96         35-14       145       55-9901       13       60-0552       11       65-0436-008       96         35-15       145       55-9903       13       60-0553       11       65-0436-008       96         35-29       145       55-9905       13       60-0554       11       65-0438-002       98         55-0162       16       60-0000       7, 16       60-0555       11       65-0438-003       98         55-0163       16       60-0173       11, 12       60-0571       11, 14       65-0438-004       98         55-0173       14, 15       60-0176       11, 12       60-0603       11       65-0438-005       98         55-0176       14, 15       60-0180       11, 12       60-0606       11       65-0438-013       97         55-0180       14, 15       60-0180       11, 12       60-0608       11       65-0439-005       101         55-0181       14, 15       60-0182       11       60-0609       11 <td></td> <td></td> <td></td> <td></td>				
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90-100 R.         8         90-0709         6,7,9         221-406ATIC         93         0409-2184.         121           90-150 R.         8         8         90-0709         6,7,9         221-407ATIC         93         421-145ATIC         93           90-0178         6,7,8,67         90-0738         9         221-408ATIC         93         421-330ATIC         93           90-0180         6,7,9,67         90-0741         54         221-410ATIC         93         421-430ATIC         93           90-0182         6,8,53         67         90-0742         6,7,8,9,53,67         221-414ATIC         93         421-430ATIC         93           90-0183         6,8,67         90-0754         6,7,8,9,53,67         221-414ATIC         93         512-087-100         24           90-0187         6,8         90-0755         6,7,9,53,67         231-350ATIC         93         707.0052         116           90-0188         6,8,67         90-0756         6,7,9,53,67         231-350ATIC         93         707.0052         116           90-0198         6,7,9,67         90-0758         6,7,9         250.030.062         95         707.0054         116           90-0198         6,7,9,67				•
90-150-R. 8 90-0709 6,7,9 221.407ATTC 93 421.145ATTC 93 90-0179 6,7,8,9,67 90-0738 9 221.408ATTC 93 421.330ATTC 93 90-0180 6,7,9,67 90-0741 54 221.410ATTC 93 421.330ATTC 93 90-0181 6,9,53 90-0742 54 221.410ATTC 93 421.426ATTC 93 90-0181 6,9,53 90-0742 54 221.412ATTC 93 421.430ATTC 93 90-0182 6,8,53,67 90-0747 6,7,8,9,53,67 221.414ATTC 93 421.430ATTC 93 90-0183 6,8,67 90-0754 6,8,67 221.414ATTC 93 421.430ATTC 93 90-0183 6,8,67 90-0755 6,7,9,53,67 221.414ATTC 93 707.0051 116 90-0188 6,8,67 90-0755 6,7,9,53,67 231.350ATTC 93 707.0051 116 90-0188 6,8,67 90-0757 8 25.0030.061 95 707.0051 116 90-0189 6,8 90-0757 8 25.0030.061 95 707.0054 116 90-0198 6,7,9,67 90-0758 6,7,9 250.030.062 95 707.1052 116 90-0198 6,7,9,67 90-0760 8 250.030.062 95 707.1052 116 90-0202 6,7,9,67 90-0760 8 250.030.093 94 710.0013 117 90-225-R 8 90-0762 6,7,9 250.030.093 94 710.0015 117 90-225-R 8 90-0762 6,7,9 250.030.093 94 710.0016 117 90-225-R 8 90-0763 6,7,9 250.030.093 94 710.0016 117 90-2337 7,9,67 90-0760 8 250.030.093 94 710.0016 117 90-2338 7,9,67 90-0764 6,8 250.030.093 94 710.0018 117 90-338 7,9,67 90-0764 6,8 250.030.093 94 710.0018 117 90-0308 6,7,9 70 90-0768 6,7,9 250.030.093 94 710.0018 117 90-0308 6,7,9 70 90-0768 6,7,9 250.030.093 94 710.0018 117 90-0308 6,7,9 70 90-0768 6,7,9 250.030.093 94 710.0018 117 90-0308 6,7,9 70 90-0768 6,8 250.030.093 94 710.0018 117 90-0308 6,7,9 90-0768 6,8 250.031.340 94 710.0019 117 90-0308 6,7,9 90-0768 6,8 250.031.340 94 710.0021 117 90-0338 7,9,67 90-0769 7 250.031.322 94 70 710.0022 117 90-0338 7,9,67 90-0769 7 250.031.326 94 710.0024 117 90-0338 7,9,67 90-0769 7 250.031.326 94 710.0024 117 90-0338 7,9,67 90-0769 7 250.031.326 94 710.0024 117 90-0338 7,9,67 90-0769 7 250.031.030 94 710.0024 117 90-0338 7,9,67 90-0769 7 250.031.040 94 710.0025 117 90-0338 7,9,67 90-0769 7 250.031.040 94 710.0026 117 90-0338 7,9,67 90-0769 7 250.031.040 94 710.0026 117 90-0338 7,9,67 90-0769 7 250.031.040 94 710.0026 117 90-0338 7,9,67 90-0769 7 250.031.040 94 710.0026 117 90-0338 7,9,67 90-0769 7 250.031.040				
90-0179         6, 7, 8, 9, 67         90-0738         9         221.408ATTC         93         421.330ATTC         93           90-0180         6, 7, 9, 67         90-0741         54         221.412ATTC         93         421.426ATTC         93           90-0181         6, 9, 53         90-0742         54         221.412ATTC         93         421.430ATTC         93           90-0182         6, 8, 53, 67         90-0744         6, 7, 8, 9, 53, 67         221.417ATTC         93         421.431ATTC         93           90-0183         6, 8, 67         90-0755         6, 7, 9, 53, 67         221.417ATTC         93         512-087-100         24           90-0188         6, 8, 67         90-0756         6, 7, 9, 53, 67         231.360ATTC         93         707.0052         116           90-0189         6, 8         90-0757         8         250.030.061         95         707.0052         116           90-0199         6, 7         9         90-0758         6, 7, 9         250.030.062         95         707.0052         116           90-0198         6, 7, 9, 67         90-0759         6, 9         250.030.068         95         710.0013         117           90-0201         6, 7, 9, 67 <td></td> <td></td> <td></td> <td></td>				
90-0180         6,7,9,67         90-0741         54         221,410ATTC         93         421,426ATTC         93           90-0181         6,9,53         90-0742         54         221,412ATTC         93         421,430ATTC         93           90-0182         6,8,53,67         90-0747         6,7,8,95,367         221,417ATTC         93         421,430ATTC         93           90-0183         6,8,67         90-0755         6,7,9,53,67         231,350ATTC         93         707.0051         116           90-0188         6,8,67         90-0756         6,7,8,953,67         231,350ATTC         93         707.0052         116           90-0189         6,8         90-0757         8         250,030.061         95         707.0052         116           90-0197         6,7,9,67         90-0759         6,9         250,030.062         95         707.1052         116           90-0198         6,7,9,67         90-0760         8         250,030.093         95         710.0013         117           90-0201         6,7,9,67         90-0761         6,8         250,030.093         94         710.0015         117           90-275-L         8         90-0763         6,7,9         250,03		-, , -		
90-0181         6, 9, 53         90-0742         54         221.412ATTC         93         421.430ATTC         93           90-0182         6, 8, 53, 67         90-0774         6, 7, 8, 9, 53, 67         221.414ATTC         93         421.431ATTC         93           90-0183         6, 8, 67         90-0754         6, 8, 86         221.417ATTC         93         512.087.100         24           90-0187         6, 8         90-0755         6, 7, 953, 67         231.350ATTC         93         707.0051         116           90-0188         6, 8         90-0757         8         250.030.061         95         707.0054         116           90-0199         6, 6         90-0758         6, 7, 9         250.030.062         95         707.0054         116           90-0198         6, 7, 9, 67         90-0759         6, 9         250.030.062         95         707.0054         116           90-0198         6, 7, 9, 67         90-0760         8         250.030.091         94         710.0015         117           90-0202         6, 7, 9, 67         90-0761         6, 8         250.030.092         94         710.0015         117           90-275-L         8         90-0762         6, 7, 9				
90-0182				
90-0183				
90-0187         6,8         90-0755         6,7,9,53,67         231.350ATTC         93         707.0051         116           90-0188         6,8,67         90-0756         6,7,8,9,53,67         231.350ATTC         93         707.0052         116           90-0189         6,8         90-0757         8         250.030.062         95         707.0054         116           90-0197         6,7,9         90-0759         6,9         250.030.068         95         707.1052         116           90-0198         6,7,9,67         90-0760         8         250.030.092         95         710.0015         117           90-0201         6,7,9,67         90-0761         6,8         250.030.092         94         710.0016         117           90-275-R         8         90-0762         6,7,9         250.030.093         94         710.0016         117           90-275-R         8         90-0763         6,7,9         250.030.093         94         710.0017         117           90-0307         6,7,9,67         90-0764         6,8         250.031.328         94         710.0017         117           90-0308         6,7,9,967         90-0789         7         250.031.228 <th< td=""><td></td><td></td><td></td><td></td></th<>				
90-0188         6, 8, 67         90-0756         6, 7, 8, 9, 53, 67         231.360ATTC         93         707.0052         116           90-0189         6, 8         90-0757         8         250.030.061         95         707.0054         116           90-0197         6, 7, 9         90-0758         6, 7, 9         250.030.062         95         707.1052         116           90-0198         6, 7, 9, 67         90-0759         6, 9         250.030.068         95         710.0013         117           90-0201         6, 7, 9, 67         90-0760         8         250.030.091         94         710.0015         117           90-0202         6, 7, 9, 67         90-0761         6, 8         250.030.092         94         710.0016         117           90-275-L         8         90-0762         6, 7, 9         250.030.093         94         710.0016         117           90-275-R         8         90-0762         6, 7, 9         250.030.093         94         710.0017         117           90-275-R         8         90-0762         6, 7, 9         250.031.094         94         710.0017         117           90-2303         7, 9, 67         90-0764         6, 8         25				
90-0189         6,8         90-0757         8         250.030.061         95         707.0054         116           90-0197         6,7,9         90-0758         6,7,9         250.030.062         95         707.1052         116           90-0198         6,7,9,67         90-0759         6,9         250.030.068         95         710.0013         117           90-0210         6,7,9,67         90-0760         8         250.030.091         94         710.0016         117           90-0202         6,7,9,67         90-0761         6,8         250.030.092         94         710.0016         117           90-275-L         8         90-0763         6,7,9         250.030.093         94         710.0017         117           90-0307         6,7,9,67         90-0764         6,8         250.031.040         94         710.0018         117           90-0308         6,7,9,9         90-0788         7         250.031.228         94         710.0021         117           90-0337         7,9,67         90-0789         7         250.031.332         94,95         710.0022         117           90-0338         7,9,67         90-0790         7         250.031.336         95				
90-0197         6, 7, 9         90-0758         6, 7, 9         250.030.062         95         707.1052         116           90-0198         6, 7, 9, 67         90-0759         6, 9         250.030.068         95         710.0013         117           90-0201         6, 7, 9, 67         90-0760         8         250.030.092         94         710.0015         117           90-0202         6, 7, 9, 67         90-0762         6, 7, 9         250.030.092         94         710.0017         117           90-275-R         8         90-0762         6, 7, 9         250.030.093         94         710.0017         117           90-275-R         8         90-0763         6, 7, 9         250.030.094         94         710.0018         117           90-0307         6, 7, 9, 67         90-0788         7         250.031.298         94         710.0019         117           90-0338         6, 7, 9         90-0788         7         250.031.322         8         94         710.0021         117           90-0338         7, 9, 67         90-0790         7         250.031.332         94, 95         710.0022         117           90-0339         7, 9, 67         90-0790         7				
90-0198         6, 7, 9, 67         90-0759         6, 9         250.030.068         95         710.0013         117           90-0201         6, 7, 9, 67         90-0760         8         250.030.091         94         710.0015         117           90-0202         6, 7, 9, 67         90-0761         6, 8         250.030.092         94         710.0016         117           90-275-L         8         90-0763         6, 7, 9         250.030.093         94         710.0017         117           90-0307         6, 7, 9, 67         90-0764         6, 8         250.031.040         94         710.0019         117           90-0308         6, 7, 9         90-0788         7         250.031.228         94         710.0019         117           90-0337         7, 9, 67         90-0789         7         250.031.332         94, 95         710.0022         117           90-0338         7, 9, 67         90-0790         7         250.031.332         94, 95         710.0022         117           90-0339         7, 9, 67         90-0802         8         254-35         94         710.0022         117           90-0340         6, 7, 8, 9, 53         90-2602         54-161         254-	·			
90-0201         6, 7, 9, 67         90-0760         8         250.030.091         94         710.0015         117           90-0202         6, 7, 9, 67         90-0761         6, 8         250.030.092         94         710.0016         117           90-275-L         8         90-0762         6, 7, 9         250.030.093         94         710.0017         117           90-0307         6, 7, 9, 67         90-0764         6, 8         250.031.040         94         710.0018         117           90-0308         6, 7, 9         90-0788         7         250.031.228         94         710.0019         117           90-0337         7, 9, 67         90-0789         7         250.031.332         94, 95         710.0022         117           90-0338         7, 9, 67         90-0790         7         250.031.336         95         710.0022         117           90-0338         7, 9, 67         90-0790         7         250.031.336         95         710.0022         117           90-0339         7, 9, 67         90-0802         8         254-35         94         710.0025         117           90-0340         6, 7, 8, 9, 53         90-2601         6, 54-161         254-36				
90-0202         6, 7, 9, 67         90-0761         6, 8         250.030.092         94         710.0016         117           90-275-L         8         90-0762         6, 7, 9         250.030.093         94         710.0017         117           90-275-R         8         90-0763         6, 7, 9         250.030.094         94         710.0018         117           90-0307         6, 7, 9, 67         90-0764         6, 8         250.031.040         94         710.0019         117           90-0308         6, 7, 9         90-0788         7         250.031.228         94         710.0021         117           90-0337         7, 9, 67         90-0789         7         250.031.332         94, 95         710.0022         117           90-0338         7, 9, 67         90-0790         7         250.031.336         95         710.0022         117           90-0339         7, 9, 67         90-0802         8         254-35         94         710.0023         117           90-0340         6, 7, 8, 9, 53         90-2601         6, 54-161         254-36         94         710.0025         117           90-0345         7, 9         90-2602         54-161         254-36		•		
90-275-L         8         90-0762         6, 7, 9         250.030.093         94         710.0017         117           90-275-R         8         90-0763         6, 7, 9         250.030.094         94         710.0018         117           90-0307         6, 7, 9, 67         90-0764         6, 8         250.031.040         94         710.0019         117           90-0308         6, 7, 9         90-0788         7         250.031.228         94         710.0021         117           90-0337         7, 9, 67         90-0789         7         250.031.332         94, 95         710.0022         117           90-0338         7, 9, 67         90-0790         7         250.031.332         94, 95         710.0022         117           90-0339         7, 9, 67         90-0802         8         254-35         95         710.0022         117           90-0340         6, 7, 8, 9, 53         90-2601         6, 54-161         254-36         94         710.0026         117           90-0343         7, 9         90-2602         54-161         254-40         94         710.0026         117           90-0352         6         55-161         334-263-100         24         710				
90-275-R.         8         90-0763         6, 7, 9         250.030.094         94         710.0018         117           90-0307         6, 7, 9, 67         90-0764         6, 8         250.031.040         94         710.0019         117           90-0308         6, 7, 9         90-0788         7         250.031.228         94         710.0021         117           90-0337         7, 9, 67         90-0789         7         250.031.332         94, 95         710.0022         117           90-0338         7, 9, 67         90-0790         7         250.031.336         95         710.0022         117           90-0339         7, 9, 67         90-0802         8         254-35         94         710.0023         117           90-0340         6, 7, 8, 9, 53         90-2601         6, 54-161         254-36         94         710.0025         117           90-0343         7, 9         90-2602         54-161         254-36         94         710.0025         117           90-0352         6         6, 9         90-4000         54, 54-161, 54-161         321.320ATTC         93         710.0027         117           90-0353         6, 8         90-4001         54 <td< td=""><td></td><td>,</td><td></td><td></td></td<>		,		
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90-0308       6,7,9       90-0788       7       250.031.228       94       710.0021       117         90-0337       7,9,67       90-0789       7       250.031.332       94,95       710.0022       117         90-0338       7,9,67       90-0790       7       250.031.336       95       710.0023       117         90-0339       7,9,67       90-0802       8       254-35       94       710.0024       117         90-0340       6,7,8,9,53       90-2601       6,54-161       254-36       94       710.0025       117         90-0343       7,9       90-2602       54-161       254-40       94       710.0026       117         90-0346       6,9       90-4000       54,54-161,54-161       321.320ATTC       93       710.0027       117         90-0352       6       55-161       334-263-100       24       710.0125       117         90-0353       6,8       90-4001       54       334-264-100       24       742.0004       18         90-0405       6,7,9       90-7900       5,8       334-270-100       24       742.0012       18         90-0435       6,8       90-7902       5,8       334-271-100 <t< td=""><td></td><td></td><td></td><td></td></t<>				
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21536			29, 30	35662		087004	
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21539ATTC			30	35664		095482	
21540			29	35665A		095483	
21541			29	35666		095484	
21542			31, 32, 33	35885		095485	
21543			33	35886-AG		120004	
21551		22531		36565		120013	
21595			114, 115	36566		120015	
21596		24074		36567		120025	
21597		24084		36568		120035	
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21599			61	36570		120092	
21610			61	36571		120096	
21616			61	36572		120103ATTC	
21619			61	36648		120107	
21620			57	37063		120108	
21621			71	37066		120111ATTC	
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21654			58	37071		120113ATTC	
21657		30344-5		37073		120115	
21660		30808-5		37081		120116	
21661		30812-5		37082		120135	
21662		30813-5		37083		120182	
21667		30814-5		37431		120185	
21692		30815-5		37887		120258	
21693			122	37888		120272ATTC	
21712			44	044016		120281	
21725			44	50305-01-1		120282	
21758			39	50305-01-1 2H		120303	
*21780			39	057053		120303	
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21796 30, 31			39	057114		120336	
21801				059078		120349	
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21923			29			120386	
21940 29, 35			29	059272		120387	
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21982			29	070058		120390	
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120444-LL 62	120719	72	120935ATTC	71	169221	110
120462ATTC 70	120720ATTC		120939	71	169222	110
120473ATTC 83	120725ATTC		120977	85	169223	110
120474 83	120726	72	120977ATT	82	169224ATT	110
120475ATT83	120727ATTC	72	120977ATTC	84	169225	110
120476ATTC 83	120746ATTC	72	120978 84,	85	169226	110
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120515ATTC83		72	123899 1		171245	
120516ATT 83		72	125031 1		171870	
120517ATTC 83	120762ATTC		125032 1		171871	
120518ATTC 83		71	125033 1		171873	
120519 83		71	125038 1		171874	
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120574ATTC 59, 79, 80, 81	. =		125081 1		174034	
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120577 81		71	126778 1		176655	
120578ATTC 81		71	128564 80, 81, 82,		176656	
120583		79	128633 82,		177876	
120584	. =	79	128634 82,		177878	
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120601ATT 80		70	128640 80, 81, 82,		177890	
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120606 79	120868			85	177897	
120606ATTC 81	*120880			85	177898	
120607ATTC 81	*120881	74	128767	85	177899ATT	111
120608 79, 80, 81	*120882		130286 1		177900	
120630ATTC69	120883	74	130287 1	105	177901	
120651 53, 71	120884	74	131190 1		180341ATT	108
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120667ATTC 63, 67	120925 82, 84, 85,	86	138755 1	105	187291	111
120683ATTC 72	120926ATTC 82, 84, 85,	86	169212 1	107	187292ATT	111
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220708ATTC 55	256027 114	277284 89, 90	494418-850	_
220709ATT 55	256030 114	277285ATTC	494418-950	)
*220712 7	256031 114	277286 89, 90	494418-10 50	)
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220717 60	277110 89	277289 89, 90	494418-12 50	)
220738 55	277113 90	277290ATTC 89	494418-13 50	)
*220739 9	277115 89	277291ATTC 89, 90	494418-14 50	)
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220740 54	277117 89, 90	277293 89	494418-18 50	)
220747 54, 55	277118 90	277293ATTC90	494418-19 50	)
220754 54–161, 64–161	277120 89, 90	277295ATTC	494418-20 50	)
220755 55–161	277121 89	277353 89	494418-21 50	)
220755 (H35) 55	277122 89, 90	277890ATTC90	494418-22 50	_
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220756 (Air) 55	277124	409247 48	50000992	
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220762ATTC 55–161	277132ATTC	409261	50023092	
220763ATTC	277133ATTC	409262	50030192	
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220700 110	<i></i>	10 1 1 1 0 0 00	0.10201	_



648282	146	896113	47	999540	34	40017233	94
648283	146	896117	47	999541	34	40017234	94
648284	146	896432	47	999542	34	40020503	94
648285	146	896433	47	999543	34	0558000726	41
648286	146	896433T	47	999544	34	0558000727	41
6/8288	1/16	806/3/T	17	000557	3/1	0558000728	/11

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648284	146	896432 47	999542	34	40020503	94
648285	146	896433 47	999543	34	0558000726	41
648286	146	896433T 47	999544	34	0558000727	. 41
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649793		950790	2075606		0558001825	
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649961		969007-519A 120	2075611		0558001885	
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770030		996618	2075694		0558002837	
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800062		997783 45	2810030		0558003110	
800063		997784	2810036		0558003914-AG 3	
800071		99925744	2810040		0558003928ATTC	
800075		999259	2810054		0558004454-AG	
800275		99926044	3110084		0558004456	
810129		999261	0004470030		0558004459	
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810131		999263	0004470115		0558004461	
810132		999264	5710120		0558004462	
810133		99926644	5710120		0558004462	
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