



CATALOG AND PARTS LIST



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***Service, Parts, PC Boards and Repair
for PlazCraft, Cyclomatic, PowCon, Miller,
Lincoln, Hobart, Airco, L-TEC & Linde.***

PLAZCRAFT®

Arc Products manufactures the entire line of PlazCraft® plasma torches, parts and accessories.

We offer:

- **PC30II**
60 AMP, hand torch with 75° head
- **PC35II**
100 AMP, hand torch with 75° head
- **PC40II**
100 AMP, hand torch with 90° head
- **PC30MII**
100 AMP, machine torch with remote control



PlazCraft: the Ideal Replacement Plasma Torch

SAFETY

The PC II high visibility "Safety Yellow" trigger, ergonomic handle and parts-in-place safety circuit are key features to promote operator safety.

VERSATILITY

PlazCraft made the industry's first replacement plasma torch. PlazCraft torches work great with over 70 of the most popular power supplies... new or old, import or domestic.

SIMPLICITY

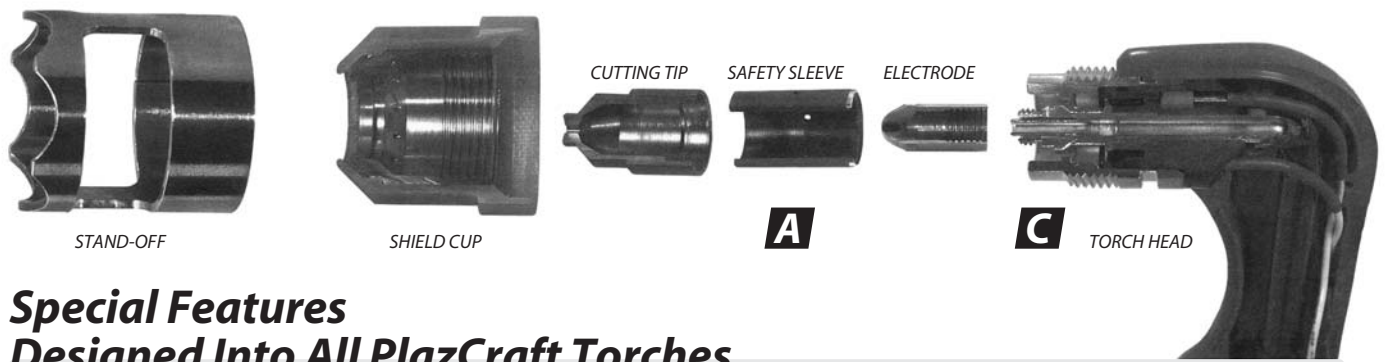
PlazCraft torches are easily repaired in the field with a small number of replacement parts. Torch parts inventory is greatly simplified for multiple power sources.

QUALITY

The PC II has a limited one-year warranty and our commitment to manufacture only the finest precision components.

AVAILABILITY

Our domestic and international distribution ensures quick delivery.



Special Features Designed Into All PlazCraft Torches

A International compatible, parts-in-place safety circuit.

B Heavy duty two-piece contoured handle.

C Single Gas "Split Flow" Design
 Primary Flow: Gas directly cools the electrode, and is then focused through the plenum area to form the super-heated plasma jet.
 Secondary Flow: Cools the torch body, cutting tip and shield cup. Results in excellent cut quality and improved parts life.

D Cable strain relief prevents hose from kinking and restricting air flow.

E Modular torch body design for easy repair and maintenance. Don't scrap what you can repair simply and inexpensively.

F Universal-style fittings allow a single torch to be hooked-up to over 80 of the most popular plasma power supplies... new or old, import or domestic.

G Cable cover provides protection for lead assemblies.

HOW TO ORDER

1. Choose a TORCH PACKAGE.

Each torch package includes an assembled torch head, installed shield cup, cutting tip, safety sleeve, electrode and power cable.

2. Choose a HOOKUP KIT for your power supply.

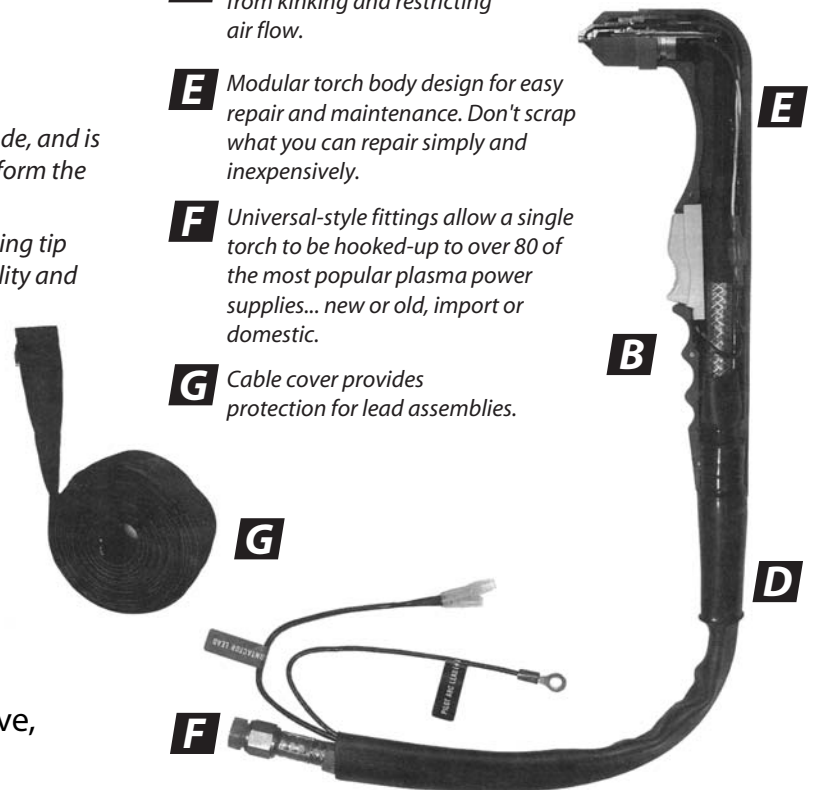
Each hookup kit includes connection fittings for the selected power supply.

3. Choose the appropriate ACCESSORY KIT for your cutting application.

Each accessory kit includes all front end parts for a selected plasma application at a selected amperage. Choosing the correct front end parts will assure maximum performance from PlazCraft torch packages.

4. Note that REPLACEMENT PARTS are available when the time comes to maintain your torch in the field. Modular design means that PlazCraft is truly "the last plasma torch you'll ever buy."

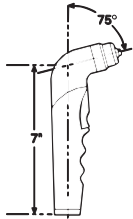
Replacement parts can be purchased separately to maintain and extend the life of PlazCraft torches.



TORCH PACKAGES with Cables

Each torch package includes an assembled torch head, installed shield cup, cutting tip, safety sleeve, electrode and cable. Each requires a hookup kit, which is sold separately (see below). Optional accessory kits are also sold separately (see following page). Machine torchs include an RC-2 Remote Pendant Control plus 24 Pitch Rack. All PlazCraft torches require pilot arc start. Maximum torch power rating for all torches is 12KW.

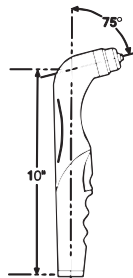
PC30II



Part No.	Description	Std. Pack
PC2-30-25	60 AMP Hand Torch with 75° head and 25' cable	1
PC2-30-50	60 AMP Hand Torch with 75° head and 50' cable	1

.055 cutting tip standard.

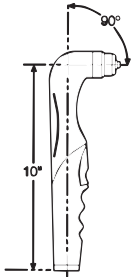
PC35II



PC2-35-25	100 AMP Hand Torch with 75° head and 25' cable	1
PC2-35-50	100 AMP Hand Torch with 75° head and 50' cable	1

.075 cutting tip standard.

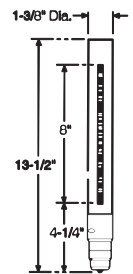
PC40II



PC2-40-25	100 AMP Hand Torch with 90° head and 25' cable	1
PC2-40-50	100 AMP Hand Torch with 90° head and 50' cable	1

.075 cutting tip standard.

PC30MII



PC2-30M-25	100 AMP Machine Torch and 25' cable	1
PC2-30M-50	100 AMP Machine Torch and 50' cable	1
PC2-30M-25S	100 AMP Machine Torch, 25' cable and high frequency shielding	1
PC2-30M-50S	100 AMP Machine Torch, 50' cable and high frequency shielding	1

.075 cutting tip standard.

HOOKUP KITS





Each hookup kit includes connection fittings for the selected power supply.

POWER SUPPLY	PLAZCRAFT HOOKUP KIT
CEBORA® 50	PHK-JCG
DAIDEN® SC-60P	PHK-CAE
ESAB® PCS-90 SIDEWINDER 55,105 PCM-750i, 875i, 1000i (yellow)	PHK-GAi PHK-AAA PHK-EBi

POWER SUPPLY	PLAZCRAFT HOOKUP KIT	
HARRIS® SYSTEM 50, 65, 100, 150	PHK-AAG	<i>PlazCraft torch packages connect directly to the Harris plug.</i>
HOBART® FAB SHOP SMOOTH CUT 30 SMOOTH CUT 50 single gas SMOOTH CUT 50 dual gas SMOOTH CUT II 35A, 60A, 100A	PHK-CBN PHK-EXi PHK-GAi PHK-GEM PHK-ACD	
HYPERTHERM® MAX 40 (H/F start), MAX 80, MAX 100	PHK-BDH PHK-BDH	
LINCOLN® PROCUT 60	PHK-ACK	
L-TEC® PCM-31, 32i, VPi, 54i, PCS-80i PCS-40 PCM-50 PCM-50A, 70, 80, 82i, 84i, PCS-80 PCM-101 PCM-100 Single Gas PCM100DualGas PCM- 750i, 1000i (green)	PHK-EXi PHK-BDH PHK-GEM PHK-GAi PHK-Afi PHK-GAi PHK-GEM PHK-Eii	L-TEC PCM-82i only: PHK-GAi will work with single connector plug; will not work with dual connector plug.
MILLER® PLAZCUT 60/ZIPCUT SPECTRUM 250, 500, 750 SPECTRUM 700, 1000, 1250, PLUS	PHK-CAE PHK-ACC PHK-BDH	<i>Miller PlazCut machines with serial numbers beginning with JG, JF, and JE will not work with PlazCraft torches.</i>
MULTIQUIP MQ® PCX-50SS	PHK-ACJ	
NU-TECSYS® OMNICUT 375 PCA-30/60, 65	PHK-JCG PHK-FCG	
OTC® D-5000, D-7000	PHK-ACJ	
P-TRON® P- TRON 75, 100	PHK-ACJ	
POWCON® STARCUT	PHK-BDH	
SMITH® SPC-30, 20-50, 40-80	PHK-FGL	
THERMAL DYNAMICS® PAK-3XR, PAK-5XR, 625XR 750XR, 1000XR, 1250XR PAK-5XT, PAK-6XR, 7XR, 8XR, 10XR, PAKMASTER 50 (internal connection), 50XL, 75XL, 100, 100XL PAK-4Xi, PAK-6Xi, 2XT-220, DYNOPAC 110 PAK-5 PAK-10, PAKMASTER 50 (with Smart STAK-PAK® 35A (two modules) 70A (three modules) 105A	PHK-AAA PHK-KAG PHK-LFK PHK-AFi PHK-SPK	<i>PlazCraft torch body replaces the Thermal Dynamics PCH-51 and the RTH-40S torches directly. The original cable assembly may be used.</i> <i>PlazCraft torch packages connect directly to Thermal Dynamics SmartPlug®.</i>
		Adjust Points Procedure (where applicable): Set air pressure to 60-70 psi. Adjust points gap closed until unable to establish pilot arc when trigger is actuated. Using very small increments, adjust points gap until pilot arc is just able to be established when trigger is actuated. Points are now adjusted properly.
















ACCESSORY KITS

Each accessory kit is designed for a specific application. The contents of each kit are detailed below.

PART NUMBER	DESCRIPTION	CONTENTS <i>Qty. Description</i>
AK2-M 	Accessory Kit For applications to 60 Amps.	1 ea. 30-7 Electrode Wrench 5 ea. PC2-3 Electrodes 3 ea. PC2-048 .048" Cutting Tips, 40 amp 5 ea. PC2-055 .055" Cutting Tips, 50 amp 5 ea. PC2-060 .060" Cutting Tips, 60 amp 2 ea. 1640002 Fiberglass Shield Cups 1 ea. 1640003 1/8" Metal Standoff
AK2-H 	Accessory Kit For applications to 100 Amps.	1 ea. 30-7 Electrode Wrench 10 ea. PC2-3 Electrodes 5 ea. PC2-067 .067" Cutting Tips, 80 amp 5 ea. PC2-071 .071" Cutting Tips, 90 amp 5 ea. PC2-075 .075" Cutting Tips, 100 amp 2 ea. 1640002 Fiberglass Shield Cup 1 ea. 1640003 1/8" Metal Standoff
AK2-MAK 	Master Accessory Kit For applications up to 100 Amps when several torches are in operation.	2 ea. 30-7 Electrode Wrench 20 ea. PC2-3 Electrodes 10 ea. PC2-048 .048" Cutting Tips, 40 amp 10 ea. PC2-055 .055" Cutting Tips, 50 amp 10 ea. PC2-060 .060" Cutting Tips, 60 amp 15 ea. PC2-067 .067" Cutting Tips, 80 amp 15 ea. PC2-071 .071" Cutting Tips, 90 amp 15 ea. PC2-075 .075" Cutting Tips, 100 amp 5 ea. 1640002 Fiberglass Shield Cups 3 ea. 1640003 1/8" Metal Standoff
30-26 	Complete Cutting Guide Kit Gives excellent control over the plasma torch, allowing the operator to cut at maximum speed while holding a constant standoff distance.	Kit includes Suction Pivot for non-ferrous metals, Magnet Pivot, Radius Bar, Rotating Bushing, 30-26-1 Bushing Adapter and Heavy Duty Storage Case. Parts are molded from insulating high temperature nylon, with brass and stainless steel used in the frame construction.

REPLACEMENT PARTS

Modular torch body design allows you to repair or replace worn torch components rather than buy a whole new torch.

PART NUMBER	DESCRIPTION	CUTTING AMP RANGE	STD. PKG.
FRONT END CONSUMABLES			
PC2-040	 .040" Cutting Tip	40 Amp	5
PC2-048	 .048" Cutting Tip	40 Amp	5
PC2-055	 .055" Cutting Tip	50 Amp	5
PC2-060	 .060" Cutting Tip	60 Amp	5
PC2-067	 .067" Cutting Tip	80 Amp	5
PC2-071	 .071" Cutting Tip	90 Amp	5
PC2-075	 .075" Cutting Tip	100 Amp	5
PC2-3	 Standard Electrode		5
PC2-093	 .093" Gouging Tip		5
1840044	 Safety Sleeve <i>NOTE: Safety Sleeve must be installed into torch head with the contact ring end first.</i>		1
1640002	 Fiberglass Shield Cup		1
1640003	 1/8" Metal Standoff		1
HAND-HELD TORCHES AND RELATED COMPONENTS			
PC2-30	60 Amp Torch, 75° Head .055 cutting tip <i>Also includes fiberglass shield cup; electrode; handle set (w/screws); trigger and rubber boot.</i>		1
PC2-35	100 Amp Torch, Extended Handle, 75° Head .075 cutting tip <i>Also includes fiberglass shield cup; electrode; handle set (w/screws); trigger and rubber boot.</i>		1
PC2-40	100 Amp Torch, Extended Handle, 90° Head .075 cutting tip <i>Also includes fiberglass shield cup; electrode; handle set (w/screws); trigger and rubber boot.</i>		1

REPLACEMENT PARTS

Modular torch body design allows you to repair or replace worn torch components rather than buy a whole new torch.

PART NUMBER	DESCRIPTION	STD. PKG.
HAND-HELD TORCHES AND RELATED COMPONENTS		
1040067	Head,75° Features improved design for superior cut quality and longer parts life. For PC2-30 and PC2-35. <i>Also includes safety sleeve.</i>	1
1040068	Head,90° Features improved design for superior cut quality and longer parts life. For PC2-40. <i>Also includes safety sleeve.</i>	1
PC2-30M	Machine Torch .075 cutting tip <i>Also includes electrode; machine torch barrel; machine torch body halves; 24 pitch rack and 32 pitch rack.</i>	1
1040069	Head,180° Features improved design for superior cut quality and longer parts life. For PC2-30M. <i>Also includes safety sleeve.</i>	1
5030-3	Rubber Boot, includes 30-10-1 Boot Ring	1
5662Y	Trigger Switch for PC2-30, PC2-35, PC2-40	1
1880184	60 Amp, 75° Handle Assembly for PC2-30, includes screws	1
1880185	100 Amp, 75° Handle Assembly for PC2-35, includes screws	1
1880186	100 Amp, 90° Handle Assembly for PC2-40, includes screws	1
1880187	Machine Torch Body Halves with screws and o-rings	1
30M-10B	Machine Torch Barrel	1
CABLES, CABLE EXTENSIONS AND CABLE REPAIR KITS		
3025H	25' Cable Assembly, for PC2-30, PC2-35, and PC2-40	1
3050H	50' Cable Assembly, for PC2-30, PC2-35, and PC2-40	1
3025HEK	25' Cable Extension, for PC2-30, PC2-35, and PC2-40	1
3050HEK	50" Cable Extension, for PC2-30, PC2-35, and PC2-40	1
30M25H	25' Machine Torch Cable Assembly, for PC2-30M	1
30M50H	50' Machine Torch Cable Assembly, for PC2-30M	1
30M25HS	25' Cable Asembly with High Frequency Shielding Installed, for PC2-30M	1
30M50HS	50' Cable Asembly with High Frequency Shielding Installed for	1
PRK-A6	Cable Assembly Repair Kit, Machine End	1
PRK-M6	Cable Assembly Repair Kit Torch End	1

REPLACEMENT PARTS

Modular torch body design allows you to repair or replace worn torch components rather than buy a whole new torch.

PART No.	DESCRIPTION	STD. PKG.
REMOTE PENDANT CONTROLS		
RC-2-25	Remote Pendant Control 25' On/Off Switch	1
RC-2-50	Remote Pendant Control 50' On/Off Switch	1
RC-1-25	Remote Pendant Control 25' Momentary Switch	1
RC-1-50	Remote Pendant Control 50' Momentary Switch	1
MISCELLANEOUS		
30-7	Electrode Wrench for PC2-3	1
30-26-1	Cutting Guide Bushing Replacement	1
30-11	Circle cutter Adapter (for T.D. Cutting Kit)	1
1740010	packages	1
1740009	Rack, 32 Pitch, with screws (11 teeth per inch)	1
PC-3-48	Replacement Cable Cover, for 50' torch packages	1
RMA-017	Handle Screw (6 required)	1
