



PETROGEN

Advanced Cutting Torch Systems

Made in the U.S.A.

HEAVY RESCUE

Part #6050

The Heavy Rescue package was developed for Federal Emergency Management Agency (FEMA) teams whose operations consist of extensive steel cutting in heavy rescue situations.

System Contents

- Torch (27 inch 90 degree)
- (2) Tips (81 & 83)
- Liquid Fuel Hose (50 foot)
- Oxygen Hose (50 foot)
- Liquid Fuel Tank (2.5 Gallon)
- Oxygen Flashback Arrestor
- Spark Striker
- Spare Parts Kit (see list for contents)
- Tool Kit (see list for contents)
- Reference Manual & Training Video

NOTE: Oxygen Bottle and an Oxygen Regulator are Not included.

HEAVY RESCUE AUXILIARY

Part #6051

The Heavy Rescue Auxiliary Package (Part #6051) is an upgrade to the Heavy Rescue Package (Part #6050).

System Contents

- Cutting Tip Size 5
- (2) Fuel Quick Disconnects
- (2) Oxygen Quick Disconnects
- Heavy Duty Oxygen Regulator (CGA 540)
- Hand Cart

NOTE: Oxygen Bottle is NOT included.



Usable Fuels:

- Gasoline (any grade)
- White Gas
- Camping Fuel
- Stabilizer Additive Fuels
- * Diesel
- * Bio-diesel
- * Kerosene
- * Jet-A, JP-8, JP-5 and JP-24

* Torch requires the addition of the Multi-Fuel Adapter Kit.

The Hand Cart included in the Heavy Rescue Auxiliary package holds both the 2.5 gallon Liquid Fuel Tank (when filled with 2 gallons of fuel allows for 8 hours of cutting) and up to a 250 cubic foot oxygen bottle.



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Tip Selection Chart

STANDARD	Tip No.	Inches	Pounds / Inches ²	
			Fuel	Oxygen
	0, HHO	0 - ¼	10 - 20	12 - 17
	1, 81, HH1	¼ - 1	10 - 20	17 - 25
	2, HH2	1 - 2	10 - 20	25 - 35
	3, 83, HH3	2 - 4	10 - 20	35 - 40
	4, HH4	4 - 6	12 - 20	40 - 50
	5, HH5	6 - 8	14 - 20	50 - 60
	6, HH6	8 - 10	16 - 20	70 - 80
	7	10 - 12	18 - 20	80 - 100
	8	12 - 14	20	120+
	L	Heating	18-20	100

- Tip sizes 81 and 83 are “scrapping” tips. They both have the pre-heating capabilities of our largest tip, tip size 8. This encourages faster preheat through rust, dirt and paint. The 81 has the cutting capabilities of our tip size 1, and the 83 has the cutting capabilities of our tip size 3.
- High Heat Tips (Part #HH0-HH6) are designed for use with the Multi-Fuel Adapter (Part #8000).

Head Angle Options

- 75° - Is commonly selected for the 36 inch or 48 inch torch. This angle is mostly used where the torch operator needs reasonable standoff distance and the material being cut is located on the ground.
- 90° - Is the angle mostly used where the torch operator needs to cut a material that runs parallel to the torch.
- 180° - Is the angle commonly used by machine torches and operators performing cuts on walls or overhead.

Lifetime Warranty

Any Petrogen product found to be defective in materials or craftsmanship will be repaired or replaced at no charge during the warranty period (25 Years).

Tool Kit Part #4003

- Packing Nut Wrench (Part #4011)
- Tip Reamer (Part #4012)
- Two Part Tip Brush (Part #4013)
- Jackscrew (Part #4016)
- Tip Drill Set (Part #4018)
- Hex Allen Wrench (Part #4019)

Spare Parts Kit Part #4002

- Preheat Oxygen Valve (Part #1300)
- H.P. Oxygen Valve (Part #1350)
- H.P. Valve Ext. O-rings (Part #1356)
- H.P. Valve Int. O-rings (Part #1357)
- Lever Nut (Part #1403)
- Lever Screw (Part #1404)
- Mixer Assembly (Part #1800)
- (2) Metal Wicks (Part #1802)
- Mixer Lrg. O-ring (Part #1803)
- Mixer Sml. O-ring (Part #1356)
- Filler Cap Gasket (Part #2157)
- Leather Pump Cup (Part #2327)
- Check Valve Flat Seal (Part #2306)
- O-ring Installation Tool (Part #4017)
- Extra Flint for Sparker (Part #4021)

Other

- Multi-Fuel Adapter Kit
Part #8000
- Air Pressure Regulator Kit
Part #2348
- Compressed Air Carry Tank
Part #2365
- Hand Cart
Part #4560

