

Service parts replacement schedule – 1 of 2

228605 – annual preventive maintenance parts kit
This kit includes all the parts in the shaded boxes below

The contactor part number was incorrectly listed as 003251.

The same changes are applicable for the HPR130XD Auto Gas manual.

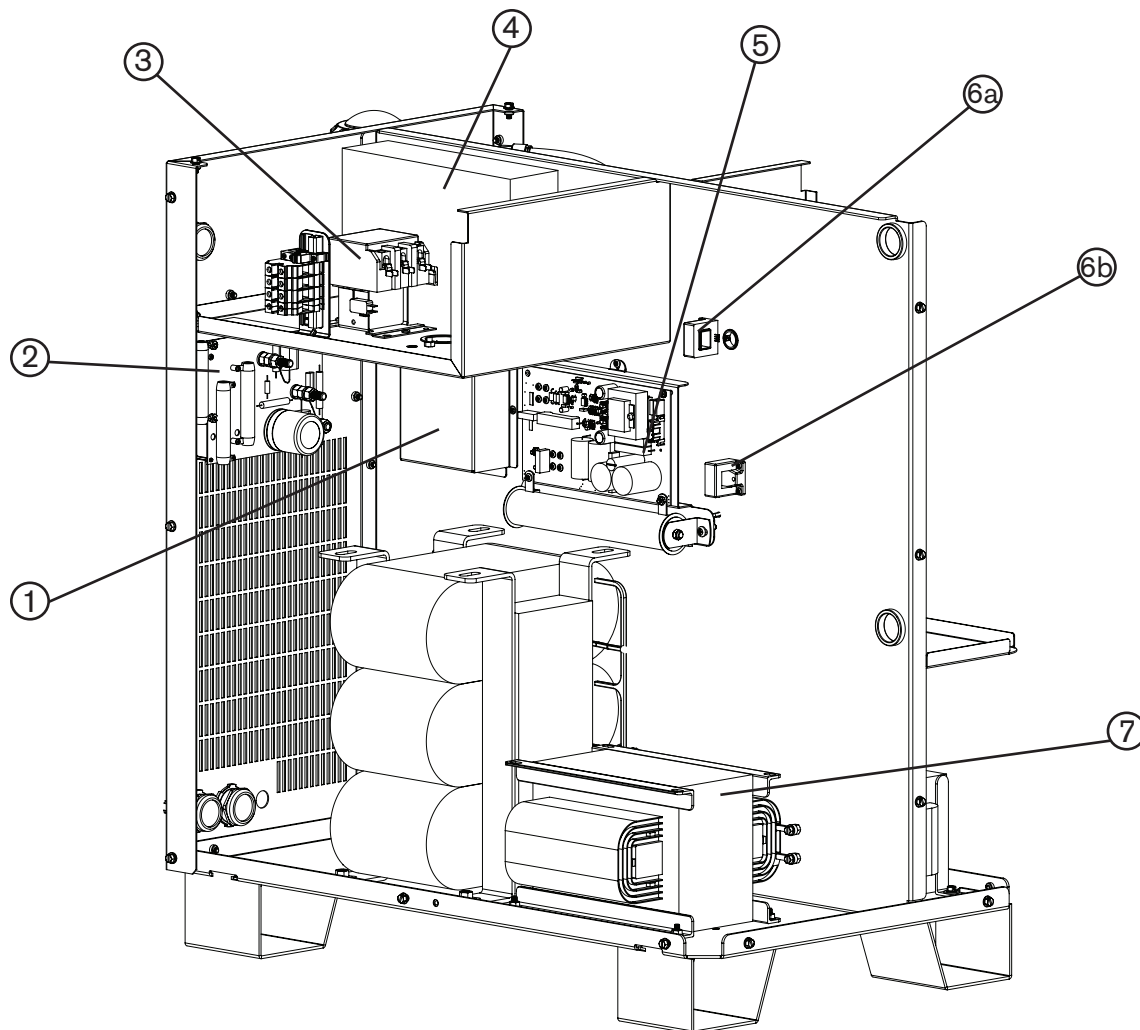
Timeline	Component	Part number	Qty.
6 months or 300 arc hours	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Torch kit	128879	1
	Quick-disconnect kit	128880	1
	Air filter element	011110	1
1 Year or 600 arc hours	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Main contactor	003249	1
	Torch main body	220706	1
	Pilot arc relay	003149	1
	Air filter element	011110	1
1.5 Years or 900 arc hours+	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Torch kit	128879	1
	Quick-disconnect kit	128880	1
	Air filter element	011110	1
2 Years or 1200 arc hours	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Main contactor	003249	1
	Torch main body	220706	1
	Pilot arc relay	003149	1
	Coolant pump kit	228170	1
	Torch leads	System dependant	1
	Air filter element	011110	1
2.5 Years or 1500 arc hours	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Torch kit	128879	1
	Quick-disconnect kit	128880	1
	Air filter element	011110	1
3 Years or 1800 arc hours	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Main contactor	003249	1
	Torch main body	220706	1
	Pilot arc relay	003149	1
	Cooling fan 6 in.	127039	2
	Cooling fan 10 in.	027079	1
	Air filter element	011110	1
3.5 Years or 2100 arc hours	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Torch kit	128879	1
	Quick-disconnect kit	128880	1
	Air filter element	011110	1

Service parts replacement schedule – 2 of 2

Timeline	Component	Part number	Qty.
4 Years or 2400 arc hours	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Main contactor	003249	1
	Torch main body	220706	1
	Pilot arc relay	003149	1
	Coolant pump kit	228170	1
	Torch leads	System dependant	1
	Coolant pump motor kit	228538	1
	Air filter element	011110	1
4.5 Years or 2700 arc hours	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Torch kit	128879	1
	Quick-disconnect kit	128880	1
	Air filter element	011110	1
5 Years or 3000 arc hours	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Main contactor	003249	1
	Torch main body	220706	1
	Pilot arc relay	003149	1
	High voltage transformer	129854	1
	Power distribution board	041802	1
	Off-valve assembly	078534	1
	Pilot arc lead	System dependant	1
	Gas leads	System dependant	1
	Air filter element	011110	1
5.5 Years or 3300 arc hours	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Torch kit	128879	1
	Quick-disconnect kit	128880	1
	Air filter element	011110	1
6 Years or 3600 arc hours	Coolant filter element	027664	1
	Coolant solution 70/30	028872	4
	Main contactor	003249	1
	Torch main body	220706	1
	Pilot arc relay	003149	1
	Coolant pump kit	228170	1
	Torch leads	System dependant	1
	Cooling fan 6 in.	127039	2
	Cooling fan 10 in.	027079	1
	Air filter element	011110	1
6.5 Years or 3900 arc hours	Repeat schedule starting at 6 months or 300 arc hours		

PARTS LIST

Power supply



<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
1	003149	Relay: Pilot arc, 120 VAC	CR1	1
2	041837	PCB: I/O	PCB6	1
3	003249	Contactor	CON1	1
4	109036*	EMI filter: 60 amp, 440 VAC 3PH		1
5	229238	Start circuit assembly	PCB1	1
6a	109004	Current sensor: Hall 100 amp, 4 volt	CS3	1
6b	109004	Current sensor: Hall 100 amp, 4 volt	CS1	1
7	014280	Inductor: 4MH		1

* 400/415 volt power supplies only

Recommended spare parts**Power supply**

Part Number	Description	Designator	Qty.
129633	Green power lamp assembly		1
027634	Filter housing		1
027664	Filter element		1
129792	Chopper assembly	CH1	1
127039	6" fan: 230 CFM, 115 VAC 50-60 HZ		1
027079	10" fan: 450-550 CFM, 120 VAC 50-60 HZ		1
003149	Relay: Pilot arc, 120 VAC	CR1	1
041837	PCB: I/O		1
003249	Contactator	CON1	1
109004	Current sensor: Hall 100 amp, 4 volt		1
229238	Start circuit assembly	PCB1	1
008551*	Fuse: 7.5 amp, 600 volt	F1, F2	2
228548	Control PCB	PCB3	1
041802	Power distribution PCB	PCB2	1
229206	Flow switch assembly	FLS	1
027185	Heat exchanger fan: 4"		1
006075	Check valve: 1/4" FPT		1
229229	Solenoid valve assembly	CLT SOL	1
228170	Kit: Pump, 70 gpm, 200 psi		1
228538	Kit: Motor, 1/3 HP, 240 volt, 50-60 HZ		1

* 400, 415, 480, and 600 volt power supplies

Ignition console

Part Number	Description	Designator	Qty.
041817	HFHV Ignition PCB		1
129854	Transformer	T1	1

Gas console

Part Number	Description	Designator	Qty.
041805	Power distribution PCB	PCB1	1
041822	Valve driver PCB	PCB3	1
005263	Pressure sensor	PT1-PT3	1
006109	Solenoid valve	SV1-SV14	2
005262	Illuminated power switch	SW1	1

Off-valve

Part Number	Description	Designator	Qty.
006109	Solenoid valve	V16-V19	1