



INSTALLATION INSTRUCTIONS

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Date: 11/2017



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CP 1800 COOLANT PUMP REBUILD KIT Part # 865893K

Disassembly Instructions

⚠ WARNING

Ensure coolant system is cool and not pressurized before starting work.

⚠ WARNING

To avoid the risk of shock, disconnect power to the heater unit during disassembly/reassembly.

NOTICE

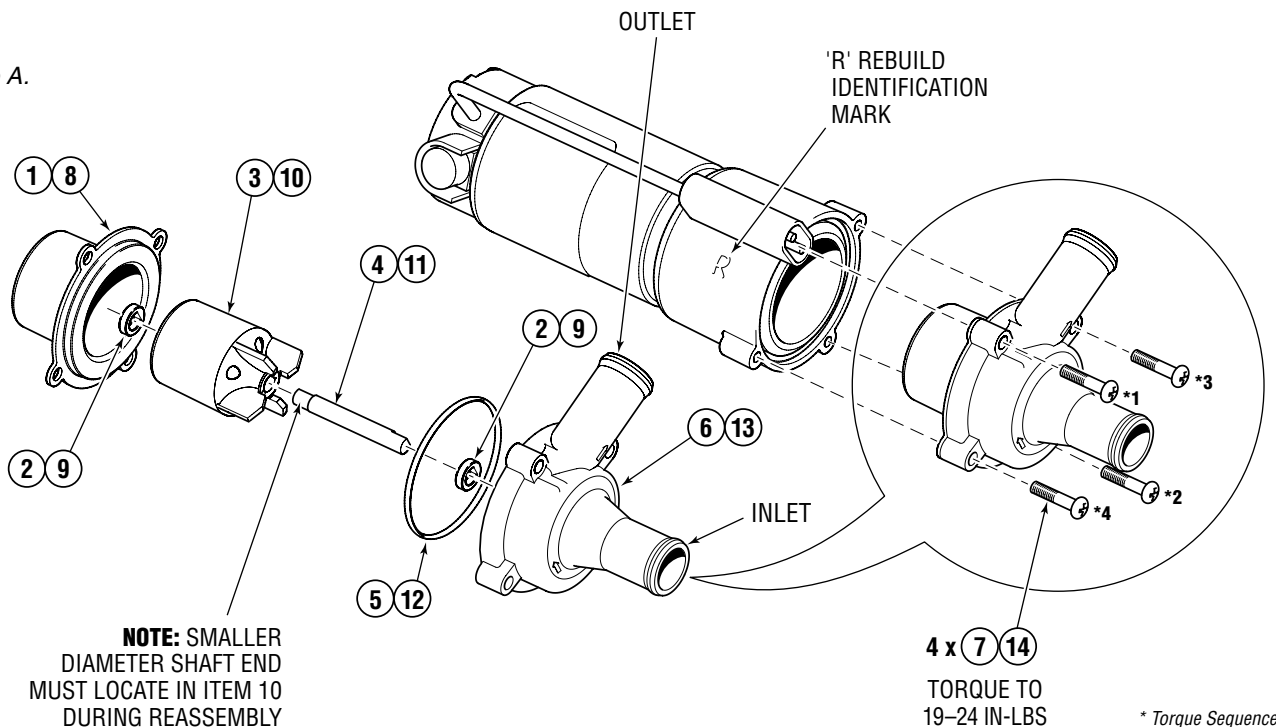
Isolating the heat exchanger coolant volume minimizes coolant loss. Collect coolant as per local regulations.

⚠ CAUTION

1. Before proceeding, ensure coolant system is cool and not pressurized.
2. Disconnect power and switch I/O harnesses from the heater unit.
3. Isolate the heater coolant by clamping off heater inlet and outlet hoses or by turning off the coolant valves to the heater (if present).
4. Remove the coolant pump from the heater as per the X30 or X45 installation and service manuals available at: www.proheat.com
5. Remove and discard the four #8-32 screws (item 7). Note the screw length (3/4" or 1").
6. Remove the pump body (item 6), two thrust washers (item 2), O-ring (item 5), shaft (item 4), impeller magnet (item 3) and separator cup (item 1).
7. Discard components as per the disassembly checklist.

Replace any worn or damaged coolant hoses.

Figure A.



NOTICE

DO NOT discard any component unless directed to do so.



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Disassembly Parts Checklist

ITEM	RE-USE	DISCARD	DESCRIPTION	QTY	UOM
1		X	Separator Cup	1	ea
2		X	Thrust Washer	2	ea
3		X	Impeller Magnet	1	ea
4		X	Impeller Shaft	1	ea
5		X	O-Ring	1	ea
6		X	Pump Body	1	ea
7		X	#8-32 x 3/4" and 1" Thread Rolling Screws (length depends on pump version)	4 and 4	ea

Reassembly Instructions

⚠ CAUTION

Note shaft (item 11) installation orientation as shown in Figure A.

⚠ CAUTION

DO NOT run pump dry. Pump does not self-prime.

1. Remove wire ties (not shown) from pre-assembled pump body assembly.
2. Install new pump body assembly into the motor housing and push pump body outlet (item 13) into the coolant hose (item 9). Match the screw length (either 3/4" or 1") to the removed screws. Torque screws as shown in Figure A.
3. Using a paint pen of any colour, write an 'R' on the pump as shown in Figure A. This indicates that the pump was rebuilt.
4. Tighten hose clamp on the pump outlet hose (item 9).
5. Re-install inlet coolant hose and hose clamp. Inspect hose for cracks or damage.
6. Remove coolant hose pliers or open valves to allow coolant to flow through the heater. Do not power heater but run engine and heating system to get coolant flowing if required. Ensure heater and pump are filled with coolant.
7. Check system coolant level. Refill as required.
8. Restore power to the fully re-assembled heater unit and operate for a minimum of two cycles to ensure functionality. Inspect for any coolant leaks.

Reassembly Parts Checklist

ITEM	DESCRIPTION	QTY	UOM
8	Separator Cup	1	ea
9	Thrust Washer	2	ea
10	Impeller Magnet	1	ea
11	Impeller Shaft	1	ea
12	O-Ring	1	ea
13	Pump Body	1	ea
14	#8-32 x 3/4" and 1" Thread Rolling Screws (length depends on pump version)	4 and 4	ea