

Installation Instructions for: Electric Water Pump (LT – 1)

Read All of the Instructions Before Beginning the Installation.

To get the most out of your NEW Water Pump, follow these installation recommendations:

Water Pump Disassembly Instructions:

- 1) Before working on the engine, disconnect the battery ground cable.
- 2) Remove the factory water pump housing from the engine. The front of the housing has a six bolt inspection cover that needs to be removed.
- 3) After the housing is removed and the inspection cover is off, flush entire cooling system and thoroughly clean all mounting surfaces on the block and the housing.
- 4) The next step is to remove all the stock factory pump components from the housing. (i.e. impellor, bearing, and seal assembly). (**NOTE:** a hydraulic press is needed to complete this portion of the process). Place the housing face up in the press resting on the gasket surface. By using about a 5/16 pin or dowel, press the bearing assembly out of the impellor and housing. (**NOTE:** some technical experience is required).

Water Pump Assembly Instructions:

- 1) Clean the bearing bore at the bottom of the housing and install the 1- 1/8 brass freeze plug from the inside of the housing. (**NOTE:** sealant is required to prevent any leaks).
- 2) No gaskets will be needed to mount the pump. The pump is supplied with an o-ring mounting seal. However before installation, apply a small amount of sealant to o-ring then align pump to bolt holes in housing.
- 3) Reuse the factory inspection cover bolts to mount the pump. Start all bolts loosely, snug and then tighten.
- 4) At this time the water pump housing can be reinstalled on the engine using a small amount of sealant on a set of factory mounting gaskets.

Connecting Electric:

- 1) The **Blue** wire connects to an on/off battery positive (+) switch (sold separately).
- 2) The **Black** wire connects to suitable chassis ground or battery negative (-).
(**Note: Remember to reconnect battery ground.**)

Fill Procedure:

- 1) Fill the cooling system and inspect for leaks.
- 2) Once the system is full, replace the fill cap and turn on the pump.
- 3) While the pump is running, remove the fill cap and top off coolant level.
- 4) Start the engine and run until it reaches normal operating temperature.
- 5) Check for smooth operation.
- 6) Turn engine off and recheck coolant level.

Parts List:

- 1- Electric Water Pump
- 1- 1- 1/8 deep brass freeze plug
- 1- Wire Harness



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