



VICTOR SERIES ALUMINUM WATER PUMP
For 1965-76, 352-428 Ford FE V8 Engines
Part #8805, 8835
INSTALLATION INSTRUCTIONS

PLEASE study these instructions carefully before beginning this installation. If you have any questions, please call our **Technical Hotline at: 1-800-416-8628**, 7:00 am - 5:00 pm, Pacific Standard Time, Monday through Friday.

IMPORTANT NOTE: Proper installation is the responsibility of the installer. Improper installation may result in poor performance and engine or vehicle damage.

DESCRIPTION: This Edelbrock aluminum water pump is a heavy duty water pump for both street and racing applications. The pump is externally the same as the original equipment service pump (Ford #D4TZ-8501-H) to provide compatibility with all accessories and pulleys. It offers weight savings along with increased cooling potential. As with all Ford FE engines, the water pump is designed to rotate in a standard clockwise direction (when viewed from the pulley side). The 8805 water pump is compatible with 1958-1964 engines, but may require modification of the generator mounting in some applications. Polished Aluminum Water Pump #8835 fits the same applications as #8805.

INSTALLATION: Prior to installation, install the bypass water pipe in the water pump housing. Apply teflon thread sealant to the bypass pipe thread and screw it into the bypass hole with a 3/8" Allen wrench (internal hex). Check that there is clearance between the water pump bypass tube and the intake manifold bypass tube with the water pump in its installation position. If there is interference, the water pump housing could be broken when the mounting bolts are tightened. **NOTE:** *If you need to thread the fitting in deeper for your application, you can increase the size of the lead in chamfer with a chamfer tool.* Several of the water pump mounting bolt holes break through to water in Ford FE engines, thread sealer or silicone should be applied to the bolt threads at these locations. Installation is the same as for original equipment pumps. Consult your service manual for any other specific procedures.

CAUTION: Be sure that the fan bolts don't protrude through the hub so far that they hit the water pump housing. Check closely for any interference with drive belts; some filing for clearance may be necessary with some applications. Verify that the radiator fan is properly balanced. Imbalanced fans can cause severe damage and/or injury and will void your warranty.

SPECIAL NOTES: If the engine is not using a water thermostat, a water flow restrictor plate should be used in place of the thermostat. The hole size needed in the restrictor plate may vary in size from 11/16" to 1" diameter depending on your water system. Use of a restrictor plate increases the water pressure in the block and cylinder heads and helps the radiator work more efficiently. Edelbrock water pumps are designed to provide increased water flow, pressure and efficiency, the impeller and housing passages are designed to work with the pump rotating in the correct direction. This pump should only be used with clockwise, standard rotation (when viewed from the pulley side). This pump will not function properly if used in a reverse-rotation, counter-clockwise application.

PARTS INCLUDED WITH THE WATER PUMP:

- 1 - Brass Threaded Water Bypass Tube (To be installed in the pump housing prior to installation of the water pump)
- 1 - 5/8" x 3/8" NPT Heater Hose Nipple
- 1 - 3/8" NPT Pipe Plug
- 4 - 3/8"-16 UNC x 1.50" Bolt, 12 Point Head
- 4 - 3/8" AN Washer
- 2 - Gasket, Water Pump to Block

SPECIFICATIONS:

Dimension from block surface to hub: 7.56"
Hub pilot diameter - 5/8"

WARNING

Incorrect alignment or an unbalanced condition puts excessive strain on the pump's shaft and/or bearing and will result in early failure of the shaft and/or bearing. The balance of the assembly depends primarily upon the concentricity of the fan clutch with the pump shaft. Concentricity is not assured when universal type clutches are used. The universal fan clutch has a 3/4" pilot hole, so an adapter must be used when installing a water pump with a 5/8" shaft. This adapter bushing is supplied with the unit. These adapter bushings add to the machine tolerances of the assembly, so special care must be taken to maintain concentricity with the shaft and the clutch fan.

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