



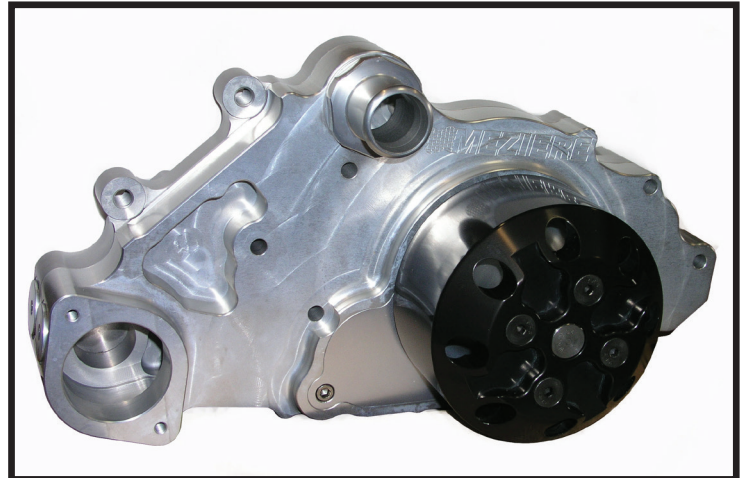
Precaution:

This is a race pump. It will require some modification and fabrication to fit in stock applications.

Installation Instructions WP419 GM LS Mechanical Water Pump

In The Box:

- | | |
|---|---|
| 1 | Pump WP419 |
| 1 | Outlet fitting (may be installed into pump) |
| 2 | Flange Gaskets WPG119 (1 pair) |
| 2 | Contingency Decals |



To Do the Job You Will Need:

- Scraper or wire brush
- Brake Cleaner
- Sealant; Form-a-gasket (Aviation), Form-A-Gasket 2 (Non-Hardening), Gaskacinch or RTV silicone
- Basic hand tools

Removing the stock pump:

Drain the coolant. Remove the upper radiator hoses and heater hoses. Remove the throttle body. Remove the serpentine belt, and remove the belt tensioner. Remove the thermostat inlet. Caution should be taken to keep the OEM O-ring intact. Remove the six pump to block bolts. Clean all mating surfaces.

Mounting the new pump:

The Meziere water pump seals to the block using the two GM gaskets supplied. Bolt pump in place using the 6 OEM bolts. Run all six bolts up snug before tightening to 22 ft. / lbs. Care should be taken to not trap the air conditioning wiring harness behind the pump. Install the OEM inlet and thermostat. Hook up the heater hose fittings supplied with the pump. Make sure to line up the proper sizes. A small amount of lubricant should be applied to the O-rings. Install the upper radiator hose.

Install the throttle body, **carefully checking to make sure the throttle linkage clears the top of the pump body.** Check your throttle by hand. Ensure that it opens and closes freely. Install the cable linkage(s). Reinstall the serpentine belt.

Remember to check the upper radiator hose and throttle body linkage before starting the car. Engine Damage could occur if the placement of these parts is not correct. Use the tie wraps to hold the hose away from the pulley if necessary. Check to make sure the throttle blades open and close freely and completely.

Inlet connection (lower hose):

This pump is designed to use OEM thermostat and inlet housing. Some aftermarket thermostat may not fit properly. In order to run AN style fittings we offer a kit (WN1019N) that will allow for the use of our WN style fittings and retain the use of the stock thermostat.

Outlet connection (upper hose):

The Outlet on this pump was designed to use our WN style fittings. The pump will come with a 1.5" hose fitting installed. Other size hose and AN style fitting are available. It is recommended that you run -20 or larger hose with this water pump.

Pulley:

This pump comes with a 5" diameter pulley that is smaller than the stock water pump pulley. We do offer a larger 6.25" diameter pulley if needed. **NOTE: The maximum operating RPM is 7000. Plan your pulley ratios accordingly.**

(over)



Startup / Running:

Fill the cooling system. Replace fill cap and run engine for a minute or two. Remove fill cap and top off coolant level. Recheck level (cold) after one heat cycle.

Beauty Tip:

Your pump comes to you polished and waxed. Occasional waxing will allow dirt or debris to be wiped right off the pump and offer some protection from UV light (the anodized color on your pump can fade from prolonged exposure to sunlight).

California Proposition 65 Warning: Please see below for Prop 65 information.

California Proposition 65 Warning

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

WARNING: Motor vehicles contain fuel, oils and fluids, battery posts, terminals and related accessories which contain lead and lead compounds and other chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. These chemicals are found in vehicles, vehicle parts and accessories, both new and as replacements. When being serviced, these vehicles generate used oil, waste fluids, grease, fumes and particulates, all known to the State of California to cause cancer, birth defects, and reproductive harm.

For background on the new Proposition 65 warnings, see:
<https://www.p65warnings.ca.gov/new-proposition-65-warnings>

Proposition 65 and its regulations are posted at:
<https://oehha.ca.gov/proposition-65/law/proposition-65-law-and-regulations>

To give Meziere notice of an alleged violation of California Health and Safety Code Section 25249.5 or 25249.6, you must send notice to:
meziere@meziere.com