



WP319 Centrifugal 12V pump GM LSx Bolt on series High Flow Pump

In The Box:

- 1 Electric Pump WP319
- 2 Water pump gaskets (factory style)
- 1 Wiring harness w/ 20 amp fuse
- 2 Heater hose fittings
- 2 6MM x 20 SSSHCS
- 1 Wire clip (very important for Corvette)
- 2 Contingency decals

The inlet fitting will be modified and re-used from your original pump.



To Do the Job You Will Need:

- Basic hand tools
- Tie wraps
- Scraper or wire brush
- Band clamp removal tool
- Brake cleaner
- Electrical wiring kit (crimps and terminals)
- Light oil lubricant for o-rings
- Fine file for possible linkage modification

Removing the stock pump:

Drain the coolant. Remove the air box and upper radiator support. Remove the upper radiator hoses and heater hoses. Remove the throttle body. Remove the serpentine belt, and the belt tensioner. Remove the thermostat inlet. Remove the six pump to block bolts. Clean all mating surfaces.

Mounting:

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. The new 180 degree thermostat is pre-installed at our factory. Should you want to remove the thermostat, remove the top radiator hose and un-screw the outlet fitting. The thermostat will fall out, please re-lubricate the "o" ring prior to re-installing the outlet fitting. Install the belt tensioner. Before you install the inlet (lower hose) you must remove (remove or cut out) the old, OEM thermostat from the inlet housing. Using channel lock pliers; push down and turn to remove the old thermostat. Using the supplied 6MM bolts, install the water inlet. Install 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. If the car is not equipped with a power steering cooler flip the hose to gain extra clearance in front of the idler pulley. Cars with power steering coolers: Extra care must be taken to make sure the upper hose is held away from the idler pulley. **Install the throttle body carefully checking to make sure the throttle linkage clears the top of the pump body.** Some year 2000 and up models may require minor modification to the bottom of the linkage. A light file can perform this in minutes. Once you have checked your throttle by hand, install the cable linkage(s). Install the upper radiator support and the air box. 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 idler pulley if necessary. Check to make sure the throttle blades open and close freely and completely.

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Wiring the Pump:

Use the fused harness supplied with the pump.

The **BLUE** wire should be connected to a 12 volt positive (+) switched source.

The **BLACK** wire should be connected to ground.

Supply and ground wires should be 14 gauge minimum. All switches should be rated at 20 amps or better.

WARNING: Not using a protection circuit (fused circuit) will void your warranty.

Additional LS wiring Info:

The black wire should be routed to ground. The blue wire should be routed to an ignition hot source. On many GM vehicles these can be found on the left inner fender well. Use of a relay (Meziere # WIK346) is recommended. These parts can be purchased through Meziere or many other part outlets. **Keep the wires away from the pulley.**

Startup / Running:

Fill the cooling system. Replace fill cap and turn on pump. Remove fill cap and top off coolant level. Recheck level after one heat cycle. **DO NOT RUN PUMP DRY for more than a few seconds.**

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