



WP331 GM LS-X Bolt-on Series High Flow Pump 6.2 liter V-8 (Page 1 of 2)

In The Box:

- 1 Instruction sheet
- 1 Electric Water Pump #WP331
- 2 Pump spacers
- 4 AC Delco water pump gaskets
- 1 Outlet fitting (attached to the pump)
- 1 Wiring harness w/ 20 amp fuse
- 2 Wire clip
- 2 Contingency decals
- 6 Mounting bolts M8 x 120
- 6 AN Washers
- 1 Port fitting for 5/8 hose (closest to engine)
- 1 Port fitting for 3/4 hose (furthest from engine)
- 2 Port o-rings (may be already installed)



To do the job, you will need:

- Tie wraps
- Scraper or wire brush
- Band clamp removal tool
- Brake cleaner
- Thread locking compound
- Metric allen wrench set
- Metric and standard socket set
- Flat screwdriver
- **Vacuum assist coolant filler**

Removing the stock pump:

Drain coolant; remove the air box intake. Unclamp and remove the upper radiator hose, bypass hose, overflow hose and heater hoses. Remove the serpentine belt, and remove the belt tensioner. Customer feedback indicates it may also be helpful to remove the idler pulley. Remove the thermostat inlet and OEM thermostat. Remove the six pump to block bolts. Remove stock pump from the block. Clean all mating surfaces.

Preparing the Pump:

1. Check the o-ring on the factory waterneck to be sure it is suitable for re-use. Using the factory bolts, install the factory waterneck.
2. Install the heater hose fittings supplied with the pump with the smaller (5/8") fitting in the port closest to the block and the larger (3/4") fitting further from the block. A small amount of lubricant should be applied to the O-rings.
3. Install the tensioner.

Mounting the Pump:

1. Position the Meziere pump using the 2 spacers and 4 gaskets supplied. Bolt pump in place using the 6 bolts supplied. Use a small amount of thread locking compound on the mounting bolts. Be sure to include the wire clip on the lower bolt of the passenger side with the wire harness captured by the clip. Run all six bolts up snug before tightening to 22 ft. / lbs. *Care should be taken not to trap the factory wiring harness behind the pump.*

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Mounting the Pump:

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2. Install the upper radiator hose, lower radiator hose, bypass, overflow and heater hoses. Reinstall the air box intake. Reinstall the serpentine belt.

Wiring the Pump:

The black wire should be routed to ground. The blue wire should be routed to an ignition hot source. If the wire you intend to use as the power source is not large enough to carry the extra current that the pump will demand you should consider using a relay. Most applications will require this. Meziere offers a generic wiring kit # WIK346 for this purpose. A late model Camaro specific kit is also available as part #WIK329. In addition, these relays can also be purchased through many other parts outlets. For this application 2 wire clips are included to accommodate running the wires all the way to the passenger side of the vehicle. **Keep wires away from the pulley.**

Refilling the System:

To fill the system, Meziere strongly recommends the use of a Vacuum Assist Coolant Filler tool to eliminate air trapping problems. Most shops will have this tool as a standard for working on late model vehicles. In our experience, this particular model can be very difficult to re-fill without this tool. Recheck the fluid level after one heat cycle. **DO NOT RUN THIS PUMP DRY** for more than a few seconds.

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

Thank you for purchasing our product. Feel free to contact us if we can be of further assistance and enjoy your pump.

WARNING: RUNNING THE PUMP WITHOUT THE FUSED CIRCUIT WILL VOID YOUR WARRANTY.