

**Application Note:**

WP312 fits SB Ford engines such as 5.0 and 5.8L. Does not fit the early timing cover 221, 260 and 289 High Performance. It will fit most serpentine belt applications through 1993.

Installation Instructions WP312 SB Ford Centrifugal 12V Pump

In The Box:

- | | |
|---|--|
| 1 | Electric Pump WP312 |
| 1 | 5/16-18 x 5.0" Long SSSHCS bolts and washer |
| 3 | 5/16-18 x 4.0" Long SSSHCS bolts and washers |
| 1 | 5/16-18 x 2.75" Long SSSHCS bolts and washer |
| 2 | 5/16-18 x 1.75" Long SSSHCS bolts and washers |
| 1 | Timing cover to pump gasket |
| 1 | Wiring harness w/ 20 amp fuse |
| 1 | #8AN to 5/8" barb hose fitting P/N: WPM58x |
| 1 | #8AN to 5/8" barb restricted fittin P/N: WPMR58X |
| 2 | Contingency Decals |

**To Do the Job You Will Need:**

- Socket set and 1/4" hex socket
- Scraper or wire brush
- Brake Cleaner / degreaser
- Sealant; Form-a-gasket (Aviation), Form-A-Gasket 2 (Non-Hardening), Gaskacinch or RTV silicone
- Basic 12V wiring tools; crimpers and strippers
- Optional: 30 amp relay

Disassembly:

Drain the coolant. Remove and inspect the heater, bypass and lower radiator hoses. Remove the old water pump. Clean the gasket surface for mounting of new pump.

Modifying the Bracket:

Bolt the Meziere water pump to the timing cover with bolts in the holes not utilized by the by the factory P/S-AIR COND. bracket. With the water pump in place, hold the bracket up to it so you can visualize where you will have to remove material from the bracket to allow clearance around the water pump. Install remaining bolts/studs and test fit bracket. When modification is complete, remove bracket and pump.

Mounting the Pump:

Be sure to coat both sides of the gasket with recommended sealant. Tack gasket to back of the pump and align gasket to bolt holes. Bolt pump in place with the seven-5/16 bolts supplied. Run bolts up snug starting from the center and working out then repeat tightening to 15 ft./lbs. Attach lower radiator hose. Mount power steering and air conditioning assembly. Mount the accessory belt tensioner (preloading the tensioner may be necessary to clear the water pump idler pulley). Install accessory drive belt and check belt clearance and load (some application may require a different length belt).

Heater and Bypass:

Remove bypass port plugs using a hex wrench. Install hose adapter fittings. **DO NOT OVER TIGHTEN!** Thermostat bypass (WPMR58) should be used to restrict bypass flow. Attach hoses.

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.

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.** Re-torque the bolts after one heat cycle.

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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