



WP312 FORD 5.0 & 5.8
Most serpentine belt applications through 1993

In The Box

- 1 Pump
- 1 5/16 – 18 x 5”S.S. Socket Head Screws
- 3 5/16 – 18 x 4”S.S. Socket Head Screws
- 1 5/16 – 18 x 2 3/4”S.S. Socket Head Screws
- 2 5/16 – 18 x 1 3/4”S.S. Socket Head Screws
- 1 Timing Cover to Pump Gasket
- 1 Wiring harness w/ 20 amp fuse
- 2 #8AN Bypass Port Plugs, 5/8 hose barb fittings
- 2 Contingency Decal

To Do The Job You’ll Need

- * Scraper or wire brush
- * Brake cleaner / Degreaser
- * Sealant; Form A Gasket (Aviation), Form A Gasket 2 (Non-Hardening), Gaskacinch or RTV silicone
- * Wire Crimper / Strippers

Optional: 30 AMP relay

Disassembly

Drain coolant. Remove and inspect heater, bypass and lower radiator hoses. Remove power steering/air conditioning bracket. Remove old [water pump](#). Clean gasket surface for mounting of new pump.

Modifying 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

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 nine-5/16 bolts supplied. **Run bolts up snug starting from the center and working out then repeat tightening to 25 ft./lbs.** Repeat after one heat cycle. 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 & 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 **BLUE** wire connects to **positive (+)**

The **BLACK** wire connects to chassis ground or battery **negative (-)**

TO AVOID MOTOR FAILURE, use the 20 AMP fuse supplied or install your own 20 amp fuse/circuit breaker. **WARNING: NOT USING A FUSE CIRCUIT WILL VOID YOUR WARRANTY.**

Running

Fill the cooling system. (Use an antifreeze and water mix or a cooling system corrosion inhibitor/seal conditioner.) 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. An occasional waxing will allow dirt or debris to be wiped right off the pump and also offer some protection from UV light (the anodized color on your pump can fade from prolonged exposure to sunlight).

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

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