



Application note:
Covers part numbers WP340,
WP342, WP343 and WP344
Ford 5.0 Liter Coyote High Flow Pump (Page 1 of 3)

In The Box:

- 1 Electric Water Pump
- 1 Wiring harness w/ 20 amp fuse
- 2 Contingency decals
- 2 1/4" x 2 1/2" SSHCS
- 2 1/4" AN Washers

To do the job, you will need:

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



Removing the stock pump:

1. Drain coolant. (when the engine has cooled)
2. Remove the intake air box
3. Remove all hoses connected to the factory pump. Upper rad, bypass, and heater.
4. Loosen all four bolts on the water pump pulley.
5. Use ratchet or pry bar to release the belt tension and remove the drive belt from the water pump pulley.
6. Remove four drive flange bolts and the water pump pulley.
7. Remove the stock thermostat housing.
8. Remove four mounting bolts and the water pump.
9. Clean the face and bore of the water pump mating area.

Preparing the Pump:

1. Check the seal on the factory thermostat housing to be sure it is suitable for re-use. Using the supplied bolts, install the factory thermostat housing onto the new pump.
2. Using the factory hardware, install the steel heater hose and bypass tube riser.
3. Lubricate the main o-ring with light grease or oil.

...go to page 2 please



Ford 5.0 Liter Coyote High Flow Pump (Page 2 of 3)

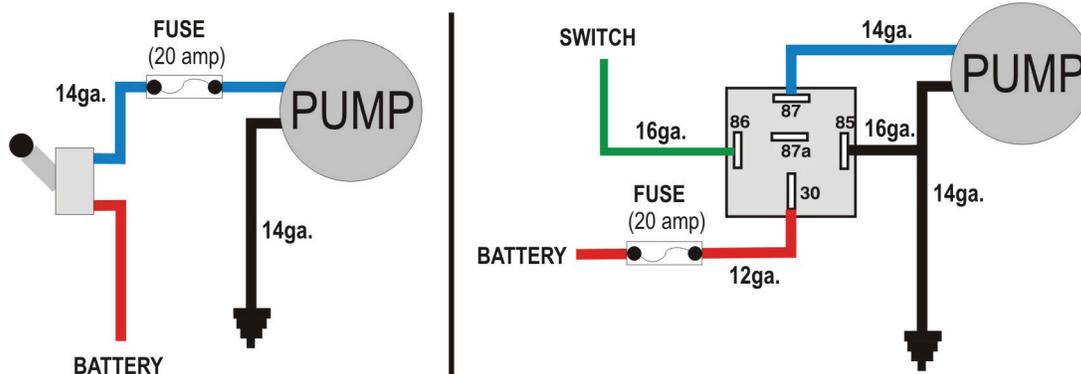
Mounting the Pump:

1. Position the Meziere pump with the inlet feature clocked to the factory position. Bolt the pump in place using the factory bolts. Use a small amount of thread locking compound on the mounting bolts. Run all four bolts up snug before tightening to 18 ft.-Lbs.
2. Route the wires away from any rotating parts or pinch areas and use zip-ties to secure.
- *3. Reinstall the drive belt if applicable.
4. Check to make sure no brackets or other parts will need to be moved or modified as this pump does occupy more space than the original pump.
- *5. Install the upper radiator hose, lower radiator hose, bypass, overflow and heater hoses. Reinstall the air box intake.

* *As applicable*

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 (11-15 amps) you should consider using a relay. Most applications will require this. Meziere offers a generic wiring kit # WIK346 for this purpose.



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.

Compatibility Note:

Our pump has been installed in conjunction with the Ford Racing supercharger kit. However, when making this modification you should be aware that a smaller idler pulley must be ordered to clear our pump. The Gates part number for the pulley is 36101.

California Proposition 65 Warning: Please see the next page for Prop 65 information.

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.

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Ford 5.0 Liter Coyote High Flow Pump (Page 3 of 3)

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