

# Ford Mustang High-Flow In-Tank Fuel Pump

Installation Instructions  
1998-2001 MODEL YEARS



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# FOREWORD

Proper installation of this fuel pump requires general automotive mechanic knowledge and experience. Please browse through each step of this instruction manual *prior* to beginning the installation to determine if you should refer the job to a professional installer/technician. Please call Vortech Engineering for installers in your area.

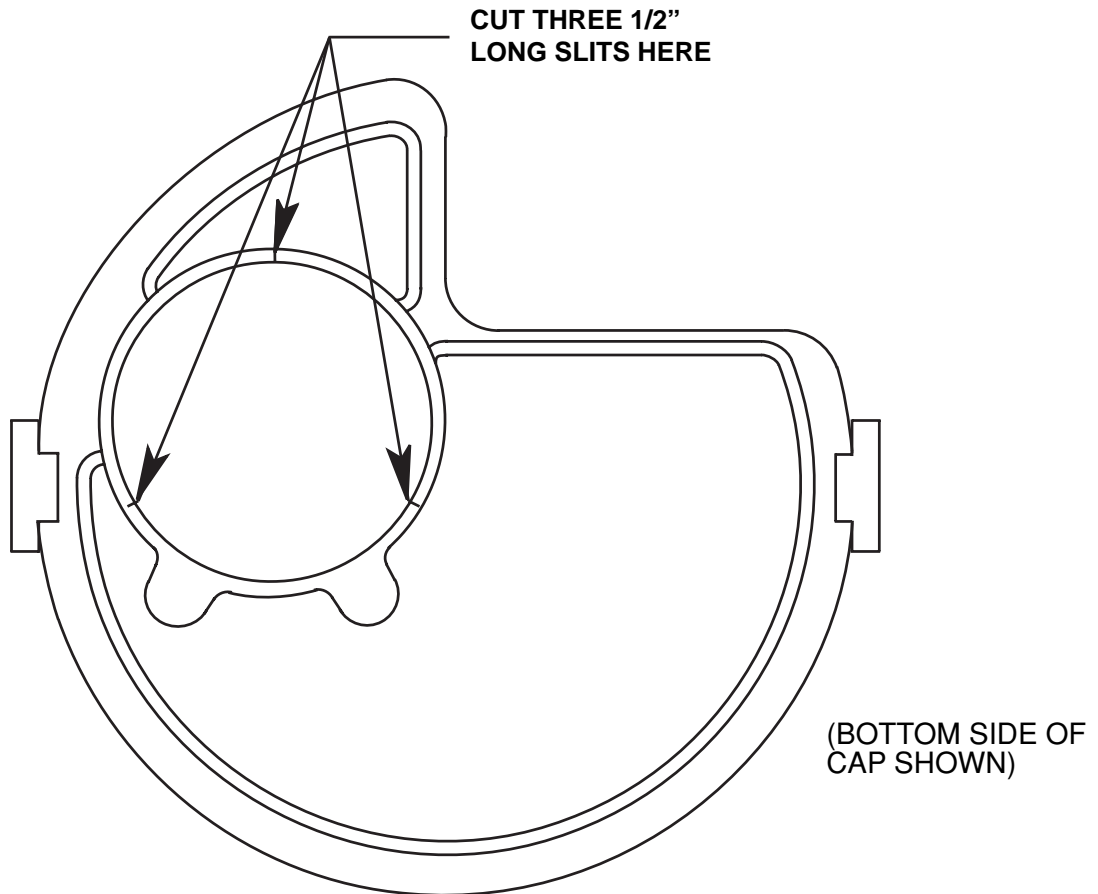
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## FORD 4.6 IN-TANK FUEL PUMP REPLACEMENT (1998-2001 models)

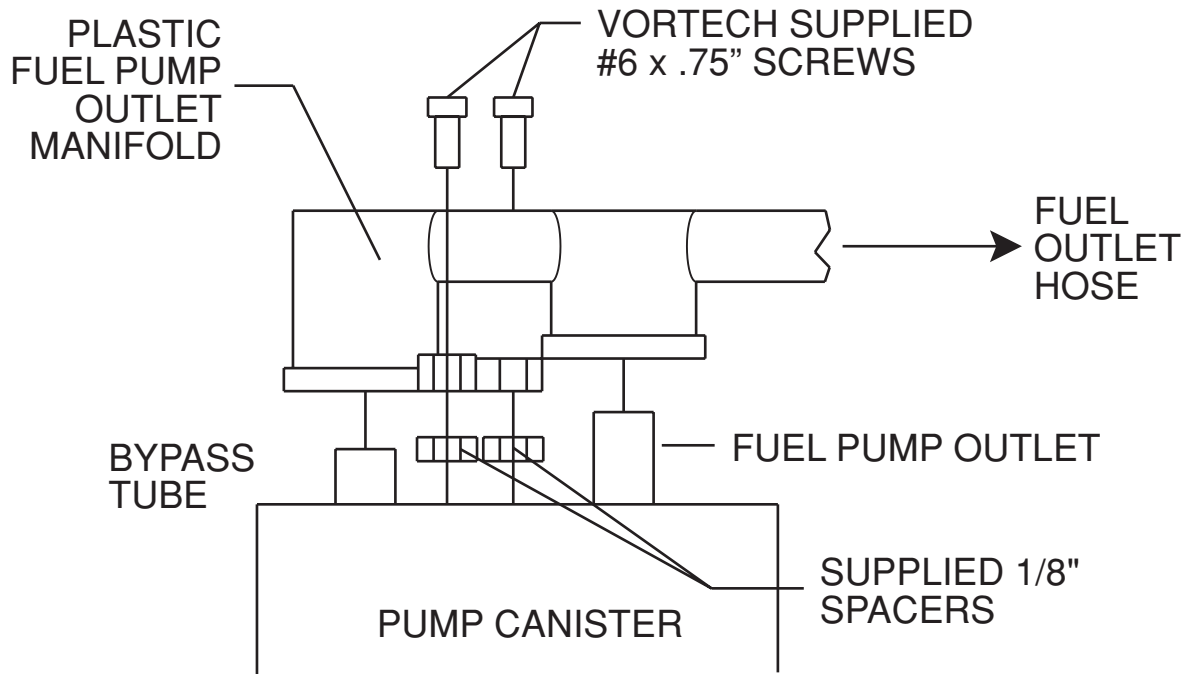
- A. Raise the rear of the car and support it with jack stands.
- B. Open the fuel door and remove the fuel cap and the three filler neck screws using a 10mm socket.
- C. Remove the fuel filter inlet line with a 3/8" springlock tool.
- D. With the weight of the fuel tank supported with a jack, remove the screws securing the two fuel tank straps.
- E. Slowly lower the fuel tank, allowing it to lean over with the filler side up until the electrical connections leading to the center mounted fuel pump are revealed. Disconnect these two electrical connections.
- F. Remove the six bolts securing the fuel pump access cover (on top of the fuel tank) with an 8mm wrench. Depress the two clips securing the plastic fuel pump enclosure and slide it out of the tank. The fuel sender float is attached to the fuel pump enclosure and must be handled with care. Ensure that the tank has been lowered enough to remove the fuel pump enclosure.
- G. Cut the two fuel pump power wires about 1" from the fuel pump electrical connector. Noting the corresponding (+) and (-) connections, splice the supplied wiring harness into place using two solderless connectors.
- H. Remove the two screws securing the plastic fuel pump outlet manifold to the enclosure cap. Pull the manifold up and away from the fuel pump.
- I. Remove the three screws securing the fuel pump enclosure's cover using a 3/16" nut-driver and remove the cover. Cut three equally spaced 1/2" long slits in the perimeter of the cover's fuel pump locating cylinder (see *Fig. 1*). This allows the larger O.D. pump to fit in the cover. Some material may need to be removed from the I.D. of the pump locating cylinder for proper pump fit.
- J. Remove the stock fuel pump from its enclosure. Separate the rubber pump support from beneath the filter and install it on the supplied pump. Secure the support with the original filter.
- K. Using the supplied fuel pump, reassemble the fuel pump assembly and canister with cap. Install the supplied 1/8" spacers beneath the pump outlet manifold and the canister cap. (See *Fig. 2*.) Using the outlet manifold mount holes as a template, drill two 1/16" pilot holes into the enclosure cover. Secure the outlet manifold to the cap using the two supplied #6 screws. Thread the two screws into the 1/16" pilot holes. Reinstall the fuel tank assembly and reattach the electrical connections.
- L. Reinstall the canister assembly into the fuel tank. Reattach the electrical connections.
- M. Reinstall the fuel tank, reconnect the fuel filter inlet line, reattach the fuel filler neck, and reinstall the fuel cap.
- N. Turn the ignition key on and check the fuel pump for leaks.

**FORD 4.6 IN-TANK FUEL PUMP REPLACEMENT, cont'd. (1998-2001 models)**



*Fig. 1 / Fuel Pump Locating Cylinder*

**FORD 4.6 IN-TANK FUEL PUMP REPLACEMENT, cont'd. (1998-2001 models)**



*Fig. 2*



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