



AEROMOTIVE
Part # 18638
86-98 Ford Mustang Fuel Pump and Hanger
INSTALLATION INSTRUCTIONS

CAUTION:

Installation of this product requires detailed knowledge of automotive systems and repair procedures. We recommend that this installation be carried out by a qualified automotive technician.

Installation of this product requires handling of gasoline. Ensure you are working in a well ventilated area with an approved fire extinguisher nearby. Extinguish all open flames, prohibit smoking and eliminate all sources of ignition in the area of the vehicle before proceeding with the installation.

When installing this product, wear eye goggles and other safety apparel as needed to protect yourself from debris and sprayed gasoline.

WARNING!

The fuel system is under pressure. Do not open the fuel system until the pressure has been relieved. Refer to the appropriate vehicle service manual for the procedure and precautions for relieving the fuel system pressure.

Aeromotive system components are not legal for sale or use on emission controlled motor vehicles.

This kit contains the following parts:

- 1 ea Fuel Pump and Hanger Assembly
- 1 ea Fuel Strainer
- 1 ea Locking Ring
- 1 ea Locking Ring Gasket

Additional recommended parts:

- 1 ea 10-m fuel filter such as PN 12347 for AN-06 fuel lines (EFI) or P/N 12377 for AN-08 fuel lines (carbureted).
- 1 ea Bypass fuel pressure regulator such as PN 13303 for EFI applications or PN 13304 for carbureted engines.
- 1 ea Fuel Pump wiring kit such as PN 16307.
- 1 ea 5.0 stock fuel rail inlet adapter such as P/N 15124 and return adapter P/N 15123
- 1 ea 5.0 stock fuel rail regulator such as P/N 13103 for '86-'93 engines or P/N 13102 for '94-'98 engines.
- 2 ea outlet and return adapter fitting such as Fragola 499206BL for AN-06 or Fragola 499207BL for AN-08.

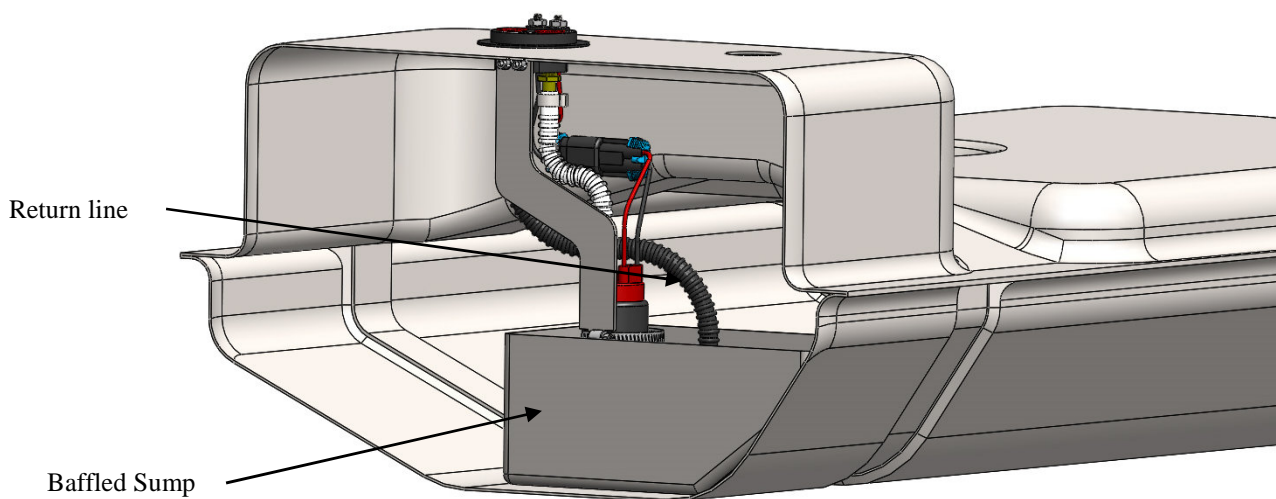
The following steps are typical of most installations:

1. Once the engine has been allowed to cool, disconnect the negative battery cable and relieve the fuel system pressure.
2. Raise the vehicle and support it with jack stands.
3. Referring to the appropriate vehicle service manual for instructions, drain and disconnect any fuel and electrical component connections and remove the OEM fuel tank. The removal of the vehicles exhaust system may be necessary for fuel tank removal.

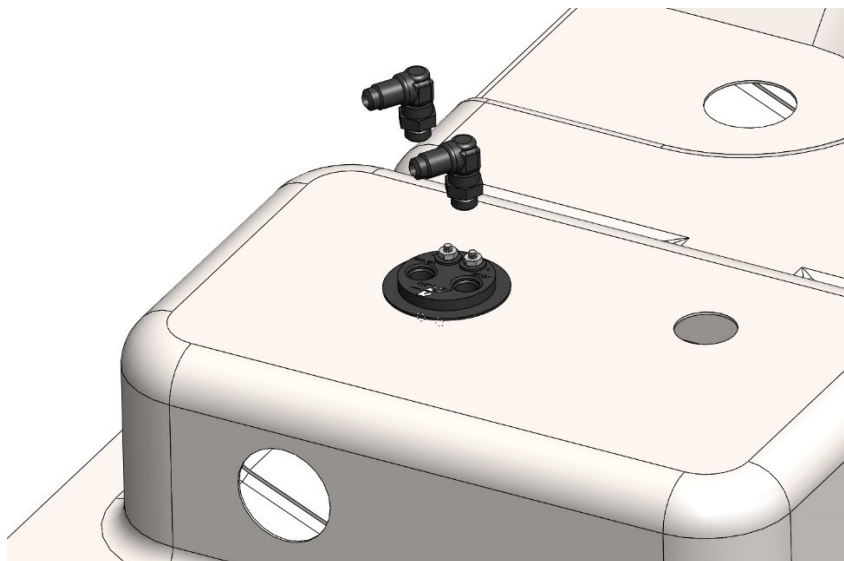
4. Remove the old OEM fuel pump and hanger assembly.
5. Install the fuel pump strainer (pre-filter) on the fuel pump.



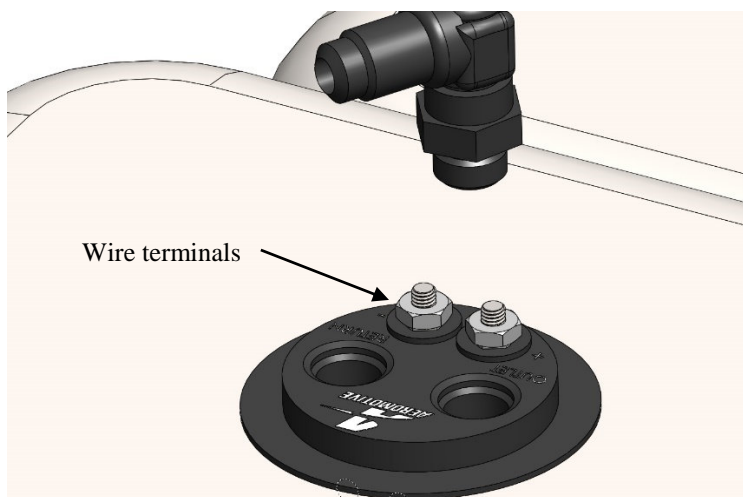
6. Place the locking ring gasket in the receiver groove on the tank.
7. Place the new Aeromotive fuel pump assembly in the tank. You may find it easiest to insert the pump through the opening and then slide the return line through once the pump is inside the tank. Once both the pump and return line are positioned inside the tank, look through the filler tube hole in the side of the tank to ensure that the pump and return line are both inside the fuel tank sump.
8. Ensure that the fuel pump locking ring gasket is still positioned properly in the receiver groove and then install the locking ring.



9. Install either ORB-06 x AN flare 90-deg fittings with the AN male sized to match your fuel lines (for AN-06 line use Fragola PN 499206BL; for AN-08 line use Fragola PN 499207BL, or other like fittings).



10. Connect the supply and return fuel lines to the new Aeromotive fuel pump assembly. Note: AN-08 lines will be required for carbureted applications, AN-06 or AN-08 lines may be used for EFI applications.
11. Connect the fuel pump power wires to the new Aeromotive fuel pump assembly utilizing supplied ring terminals and insulating boots.



12. Position the fuel tank under the vehicle, double check that the locking ring and all fuel line and electrical connections are tight and secure. Apply a light weight oil to the filler neck grommet to ease installation.
13. As the fuel tank is lifted into position reattach the vent line to the top of the fuel tank and work the filler neck into the grommet on the side of the fuel tank. Once the fuel tank is in position, rotate the tank in the straps such that the sump is as low as possible, align the tank straps, ensure that there are not any pinched hoses or wiring, and tighten the strap bolts.

14. Make any line or electrical adjustments necessary to clear the vehicles exhaust, suspension, and drivetrain components.
15. **Ensure that any spilled gasoline and any gasoline soaked shop towels are cleaned up and removed from the vicinity of the vehicle!**
16. Carefully lower the car onto the ground.
17. Fill the fuel tank with gasoline and check for any leaks in the system, if any leaks are found repair immediately.
18. **CAUTION: While performing the following steps, if any fuel leaks are detected, immediately turn the ignition of OFF, remove any spilled fuel and repair the leak(s) before proceeding!**
19. Reconnect the battery and turn the ignition to the ON position **WITHOUT** starting the car. After several seconds, check the fuel pressure. If there is no fuel pressure, turn the ignition key to the OFF position, wait one minute, return the ignition to the ON position, and recheck the fuel pressure. Repeat this ignition OFF and ON procedure until the fuel pressure gauge registers fuel pressure.
20. **With the fuel pressure gauge registering fuel system pressure, again check for fuel leaks throughout the entire fuel system! If any fuel leaks are found, turn the ignition key to the OFF position, remove any spilled fuel and repair the leak before proceeding!**
21. Test drive the car to insure proper operation and re-check the fuel system for leaks. **If any leaks are found, immediately discontinue use of the vehicle and repair the leak(s)!**