

INSTRUCTIONS

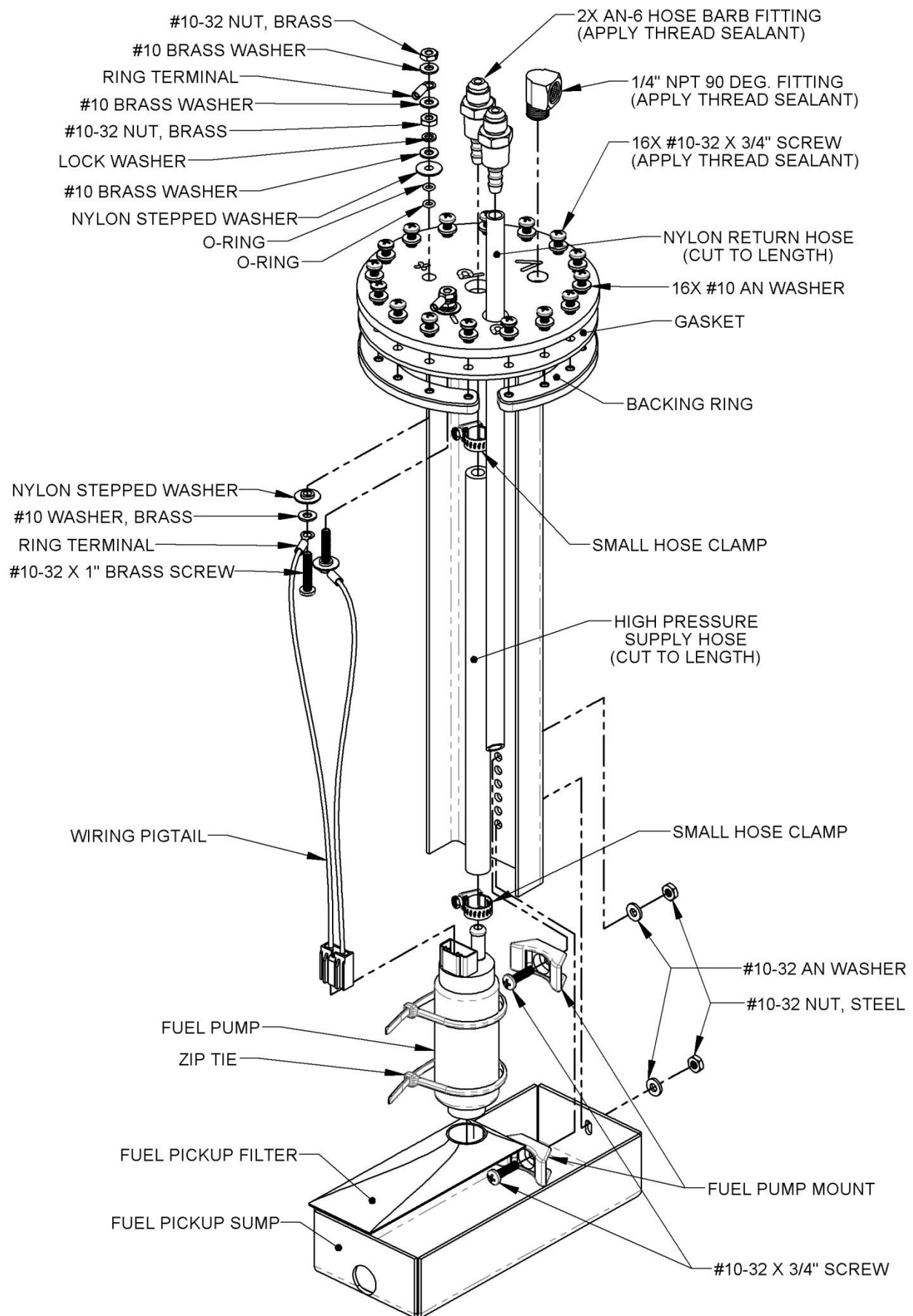
911-40233

Submersible Fuel Pump Module - Universal

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Note: This is a universal fuel pump module and must be cut to fit most applications.
This pump must be used with a “return” style fuel pressure regulator.

1. Choose the fuel pump location. The bottom and top of the fuel tank must be flat around the sump and mounting plate in order for the module to function properly.
2. Use a hole saw to cut a 4” diameter hole in the tank.
3. Measure the depth of the tank and cut the module bracket to the correct length. The sump should sit as close to the bottom of the tank as possible.
4. Assemble the sump and fuel pump brackets to the module as shown. Use two of the 3/4” long #10-32 screws, washers and steel nuts.
5. Test fit the module to check the depth. If the depth is correct, clock the module to the desired angle and use the module as a template to mark the location of the 16 mounting holes on the tank.
6. Remove the module and drill each hole to 1/4”. **Note:** Use a shop-vac while drilling to keep from getting metal shavings in the gas tank.
7. Install the AN-6 to hose barb fittings and 90 degree vent fitting into the top plate. (use thread sealant)
8. Install the pickup filter onto the bottom of the fuel pump and secure the pump using the large hose clamp. The filter should be just touching the bottom of the sump.
9. The supply and return hoses will need to be cut to length. Cut the return hose so the bottom is roughly 3/4” above the bottom of the sump and slide it onto the hose barb.
10. Cut the wires to length and install the ring terminals. It is recommended to solder these connections and use heat-shrink tubing. With the ring terminals soldered to the wires you can now assemble the terminal posts as shown. Be sure to put the positive (Red) wire in the (+) location and the ground (Black) in the (-) location.
11. With the module fully assembled, it is time to install the backing ring. First, glue the backing ring in place. Place a small amount of RTV on the top surface of the backing ring, and clamp it in place. Make sure that all of the holes are aligned! This will hold the ring in place while the module is being installed. **Note:** A dab between each hole should suffice as this does not need to seal. It only needs to hold the ring in place during installation.
12. Once the RTV has set up enough to hold the backing ring in place, you can now install the gasket and module. The gasket will go on top of the tank, between the tank and the top plate of the module. Get each screw started before fully tightening any screws. (use thread sealant on the screws) **Be sure the tank is completely clean and all metal shavings have been removed before final install!**
13. Connect the ground wire (14 AWG min.) to the (-) terminal and a power supply wire (14 AWG min.) to the (+) terminal. Larger wires will work as well. Route a breather hose to a ventilated area outside of the car, typically on the underside of the car. Rout the pressure hose to the “inlet” port on your fuel pressure regulator. Route the return hose to the “bypass” or “return” port on the pressure regulator.



IMPORTANT

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