



2011-2014 FORD MUSTANG GT

DEDICATED FUEL SYSTEM 00-12029

INSTALLATION INSTRUCTIONS

This Nitrous Outlet Dedicated Fuel System is designed specifically for the 2011-2014 Mustang GT. If you need any assistance during installation or if you have questions about this wiring harness, call our Tech Help Line at (254) 848-4300.

Tools Needed For Installation:

- Electric Drill
- 5/16" Drill Bit
- 5/15" Wrench x 2
- 13mm Socket
- Ratchet
- 9/16" Wrench
- 11/16" Wrench



Step 1:

Open the hood of your vehicle and disconnect the battery with a 10mm wrench.



Step 2:

Open the trunk, and remove the trunk floor.

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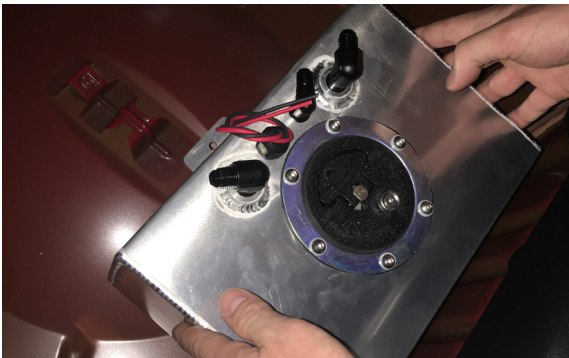
Step 3:

Remove the tire inflation kit from the spare tire well in the trunk.



Step 4:

After the tire inflation kit is removed, make sure the spare tire area is clean and free of any debris.



Step 5:

Set the dedicated fuel system into the spare tire well. The fittings on the dedicated fuel system should be facing towards the front of the vehicle.



Step 6:

Place the dedicated fuel system into its final mounting location. The fuel system should be level and firmly planted on the floor of the trunk.

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Step 7:

Use a marker to mark the mounting holes that will need to be drilled. There is 1 mounting on the front of the tank, and 3 on the back of the tank.



Step 8:

Before drilling, look under the car to ensure the area you are drilling is clear of any fuel or electrical system components. Drill the mounting holes with an electric drill and 5/16" drill bit.



Step 9:

Locate the mounting hardware that came with the dedicated fuel system. This will include 4 bolts, nuts, and washer.



Step 10:

Mount the fuel system using the included bolts, nuts, and washers. Tighten the bolts with a 5/16" wrench.

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Step 11:

Remove the black plastic plug at the front of the spare tire well.



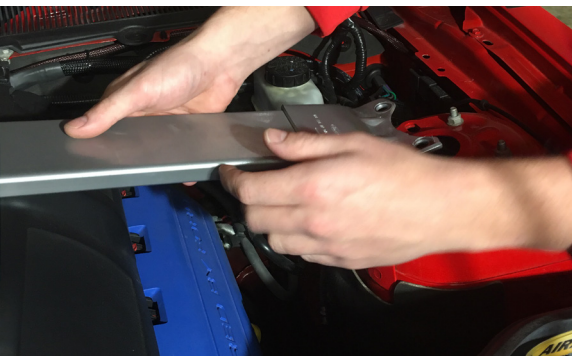
Step 12:

Place the fittings into the fuel pressure regulator as they are in the picture. Any ports left open in the regulator will need a 3/8" Hex Plug tightened into them with a 5/16" Hex Wrench.



Step 13:

Remove the strut tower brace (if equipped) with a 13mm socket and ratchet. There are 2 nuts, one on the drivers side and one on the passenger side of the vehicle.



Step 14:

Remove the strut tower brace from the engine bay.

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Step 15:

Locate the tab coming off of the drivers side strut tower.



Step 16:

Bend the fuel pressure regulator bracket to match the shape in this picture. After the bracket is bent, mark and drill the tab on the strut tower



Step 17:

Mount the bracket onto the fuel pressure regulator, and mount the fuel pressure regulator. The regulator should mount between the strut tower and the brake fluid reservoir.



Step 18:

Measure the distance from the fuel pressure regulator to the fuel solenoid. Then mark the fuel line and cut a piece to the correct length using a hose cutter. After those hose is cut, place a female hose end on the hose.

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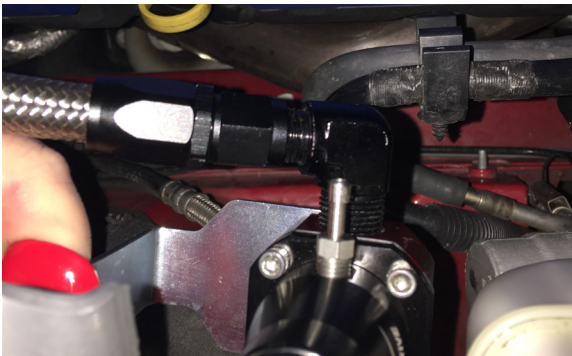
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Step 19:

Spray silicon lube on the threads of the hose end, then Insert the male hose end into the female hose end. Tighten the hose end down using 2 13/16" wrenches. Use one to hold the female hose end, and tighten the male hose end into it all of the way.



Step 20:

Tighten the hose onto the fuel pressure regulator with a 11/16" wrench. Screw the other end of the hose onto the fuel solenoid and tighten it with an 11'16" wrench. Do not over-tighten the hose, it only needs to be snugged down.



Step 21:

Cut the remaining hose into equal lengths, and put the hose ends on the hoses. Route the hoses through the hole in the spare tire well and under the vehicle. Tighten the hoses onto the dedicated fuel system feed and return ports with an 11/16" wrench. Make note of which hose is the feed and whic is the return hose.



Step 22:

Route the hose enderthe vehicle along the frame rails. Use 3/8" wire loom clamps to secure the hoses to the bottom of the car.

****3/8" Loom Clamps sold separately****

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Step 23:

When you get the hoses to the front fender, route them through the gap between the plastic fender well and the fender of the vehicle.



Step 24:

The hose will come up under the fuel pressure regulator and next to the brake booster.



Step 25:

Tighten the fuel supply hose to the remaining fitting coming out of the side of the regulator. Then, screw the fuel return hose to the bottom of the fuel pressure regulator. Tighten down both hoses with a 11/16" wrench. Do not over-tighten the hoses onto the regulator, they only need to be snugged down.



Step 26:

Put a hose end on the rubber vent hose and tighten it onto the dedicated fuel system with a 9/16" wrench.

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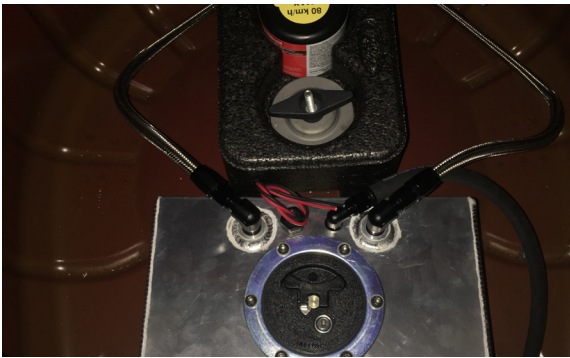
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Step 27:

Remove the plastic plug on the passenger side of the spare tire well and route the vent line through the hole.



Step 28:

Place the tire inflation kit back into the spare tire well, but turn it so that it faces forwards.



Step 29:

Put the floor of the trunk back into the vehicle. After the first time you fill the dedicated fuel system, activate the system and check for leaks.

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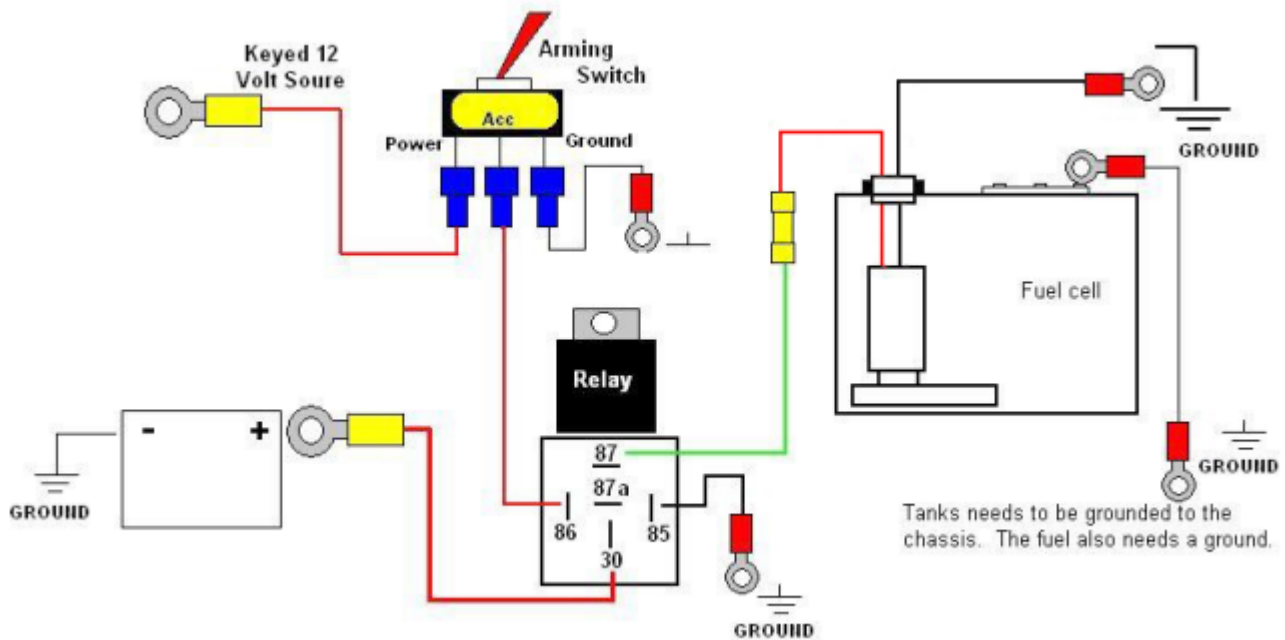


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Dedicated Fuel System Wiring Diagram



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