



2011-2014 MUSTANG GT

VEHICLE SPECIFIC PLATE SYSTEM 00-10145-XX

INSTALLATION INSTRUCTIONS

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

Tools Needed For Installation:

- 10mm Socket
- 13mm Socket
- Ratchet
- 1/2" wrench
- 7/16" Wrench
- 9/16" Wrench
- 11/16" Wrench
- Flathead Screwdriver
- 5/16" Socket
- 13/16" Wrench
- Drill
- Razorblade



Step 1:

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



Step 2:

Locate the coupler that connects the intake tubing to the throttle body.

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Step 3:

Use a flathead screwdriver to loosen the clamp on the coupler.



Step 4:

Unplug the single electrical connector and hoses connected the air intake.



Step 5:

Remove the intake tubing.



Step 6:

Use a 10mm socket and ratchet to remove the 4 bolts that hold the throttle body to the intake manifold. Be sure to not let the throttle body fall.

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Step 7:

Set the throttle body down carefully.



Step 8:

Place the throttle body plate in between the throttle body and intake manifold. Then place the solenoid bracket on the drivers side of the throttle body. Use the four 10mm bolts included with you nitrous system to mount the plate, throttle body, and solenoid bracket.



Step 9:

Using the jet chart that came with your nitrous system, find the recommended jetting for the amount of HP you are wanting to add. Then, place the jets into the correct fitting on the nitrous plate.



Step 10:

Thread the hard lines onto the nitrous plate. Do not tighten them at this point.

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Step 11:

Place a compression nut and ferrule onto the other end of the hard lines. Use a 7/16" wrench to tighten it down.



Step 12:

Use a 3/8" wrench to hold the jet fitting on the plate, and use a 7/16" wrench to tighten the hard line onto the plate. Do not over-tighten the B-nut, it only needs to be snugged down.



Step 13:

The solenoids, plate, and hard lines should now all be secured and look like this.



Step 14:

If you are installing this in a BOSS Mustang, or if you have an aftermarket strut tower brace you'll need to remove it. Use a 13mm socket and ratchet to remove the 4 nuts that secure the strut tower brace. There are 2 nuts on the drivers side, and 2 nuts on the passenger side.

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Step 15:

Remove the strut tower brace from the engine bay.



Step 16:

Use a 10mm socket and ratchet to remove the drivers side injector cover.



Step 17:

Remove the injector cover from the engine bay.



Step 18:

Locate the fuel disconnect on the drivers side of the intake manifold.

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Step 19:

Pinch the ends of the blue clip towards each other, then push and the clamp will release.



Step 20:

Put a drop of red Loc-Tite on the 90° fuel supply fitting and thread it into the fuel adapter. Then, push the fuel hose onto the male end of the fuel adapter.



Step 21:

Once the fuel adapter is seated into the fuel hose, push the blue clip back in.



Step 22:

Push the female end of the fuel adapter onto the the fuel rails. Make sure it's completely seated.

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Step 23:

Place the threaded collar on the fuel rail fitting, and thread it into the fuel adapter.



Step 24:

Use a 1/2" wrench to hold the fitting on the fuel adapter, and use a 13/16" wrench to tighten the collar into the adapter.



Step 25:

Tighten the 4AN fuel hose onto the adapter, and use a 9/16" wrench to tighten it down. Hold the 90* fitting with a 1/2" wrench. Do not over-tighten it, this only needs to be snugged down.



Step 26:

Thread the other end of the 4AN fuel hose onto the the fuel solenoid. Use a 9/16" wrench to tighten it down. Do not over-tighten it, this only needs to be snugged down.

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Step 27:

Remove the back seat by releasing the latches on the drivers and passenger side of the seat.



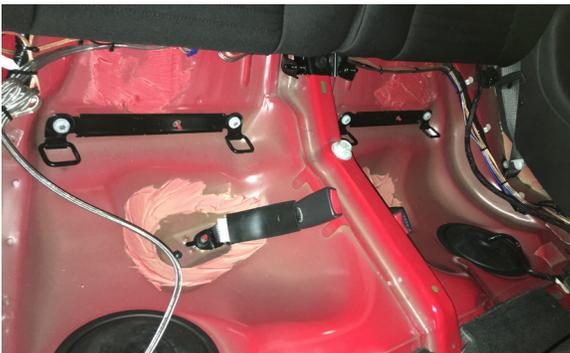
Step 28:

Once the seat is released, remove it from the vehicle.



Step 29:

Starting in the trunk, route the nitrous feed hose through the trunk and under the seat.



Step 30:

Continue routing the feed line under the back seat and towards the passenger side of the vehicle.

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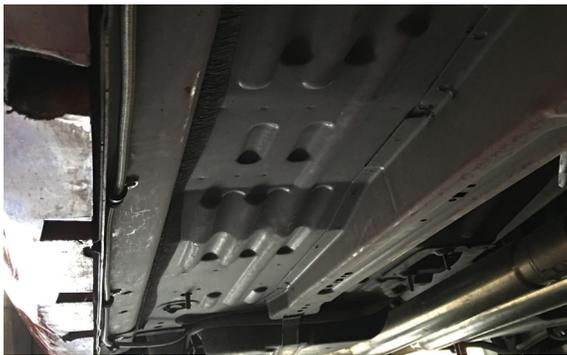
Step 31:

Under the seat on the passenger side there's a piece of body-colored tape covering a hole. Remove the tape, place a rubber grommet in the hole, and route the feed line through the hole.



Step 32:

Replace the body-colored tape over the hose to help keep the hole sealed.



Step 33:

Route the nitrous feed hose under the vehicle along the frame rail on the passenger side. Use 3/8" wire loom clamps to secure it to the bottom of the vehicle.

Wire loom clamps not included



Step 34:

Remove the battery strap with a 5/16" wrench.

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Step 35:

Remove the battery, then remove the 3 bolts under it with a 5/16" wrench. Then remove the battery tray.



Step 36:

Route the line up into the engine bay. You may have to tie a piece of string around the end of the hose to pull it through.



Step 37:

Route the nitrous feed hose through the engine bay and connect it to the nitrous solenoid. Use a 11/16" wrench to tighten the hose, don't over-tighten it.



Step 38:

Put the bottle brackets on your nitrous bottle, and put the bottle in the trunk where you'd like to mount it. Use a marker to mark the holes you'll need to drill for the bolts. *See attached notes for information regarding bottle mounting.*

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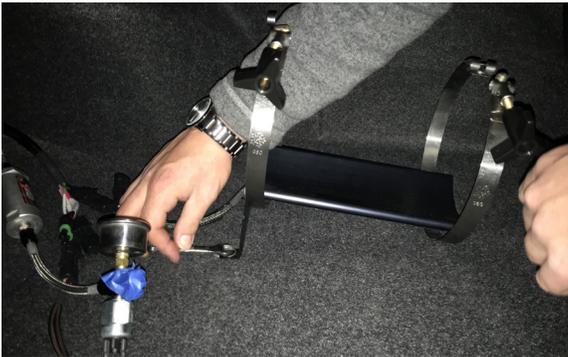
Step 39:

Check under the area you are drilling to ensure it is clear of any electrical or fuel systems components. If it is clear, use a 5/16" drill bit to drill the holes you marked.



Step 40:

Use a razorblade to cut small x-shaped holes in the carpet where the bolts go through. Only cut them big enough for the bolts to pass through.



Step 41:

Mount the bracket, and tighten the bolts with a 5/16" wrench. You may have to have someone under the car with another 5/16" wrench hold the nut while you tighten the bolt. Be sure and use washers on both the bolt and the nut. Now, mount the bottle and tighten the line onto it with an 11/16" wrench.

Shown with optional Heated Bracket P/N 00-64001-6

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Bottle Mounting Information

It's very important to mount your bottle in the proper orientation. Ideally, the bottle should be facing with the valve to the front of the vehicle. This is because the siphon tube inside the bottle is curved towards the bottom of the bottle, so it can pick up a steady supply of nitrous. In the event your bottle cannot be mounted front to back, you can mount it at an angle, or even sideways. If you mount the bottle sideways, you'll need to rotate the bottle so that the siphon tube is at a 45* angle. This means the bottle nipple will be facing towards the back of the vehicle at a 45* angle. This is because upon acceleration, the nitrous can be pulled away from the siphon tube. With it at an angle it still allows the siphon tube to be submerged in the nitrous. The siphon tube on Nitrous Outlet bottles are curved in the same direction as the bottle nipple. If the bottle is mounted front-to-back, the nipple should be facing down towards the floor of the vehicle. If you have any questions about mounting your bottle, call our Tech Help line at (254) 848-4300.



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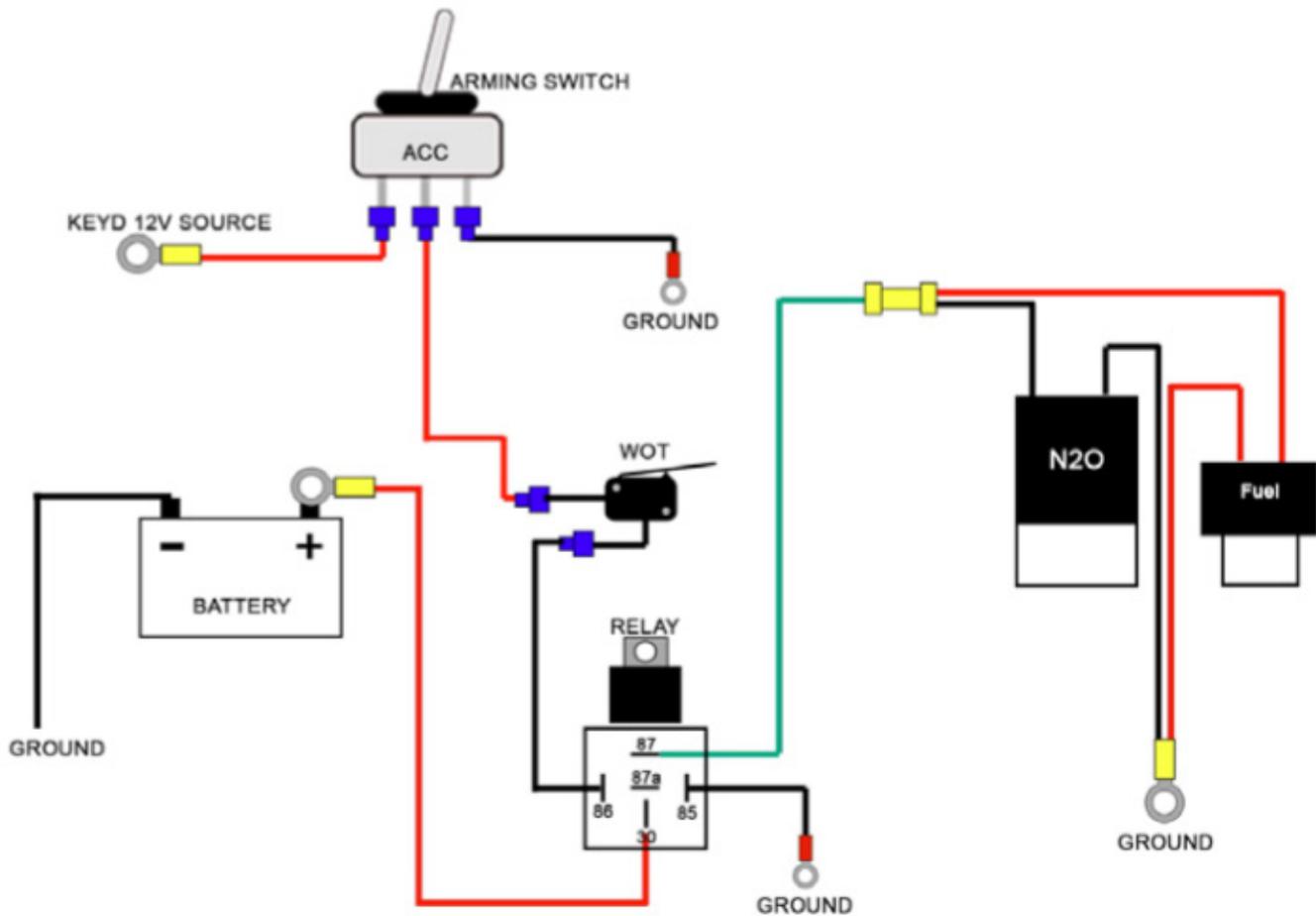
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Wiring Diagram

Now that your system is installed, you can begin wiring it. When wiring your nitrous system, double check all of your wiring connections. For a clean, professional install we recommend using heat shrink of all crimped connectors. This will protect the connection, and make the connection stronger between the wire and crimp-on connector.



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