

PART NUMBER: 00-10192-XX

INSTALLATION INSTRUCTIONS

This Nitrous Outlet Vehicle Specific Plate System is designed specifically for the 2015-2020 Ford Mustang with an EcoBoost engine. 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*:

- 7mm Deep Socket
- 6" Extension
- 11/16" Wrench
- 3/8" Wrench • 13/16" Wrench • Drill

• 8mm Deep Socket

- Step Bit up to 1-1/16"
- Trim Tool

Additional Materials Needed for Installation:

- 10mm Deep Socket
 - 7/16" Wrench
 - Adjustable Blade
 - Center Punch
- 15mm Deep Socket
- 1/2" Wrench
- 3/8" Fuel Disconnect Tool
- Marker

- Ratchet
- 9/16" Wrench
- 3/8" Drill Bit

• Shop Rag

Rivet Nut Insert Tool

- Four 5/16-24 Rivet Nuts Zip Ties • 3/4" P-Clamps
 - Electrical Tape • Wiring Materials
- *These are the tools required for installation of this kit on a stock vehicle. If your vehicle has aftermarket parts, other tools may be required.



Step 1: Disconnect the Battery

• Open the hood



Unscrew the 3 thumb screws and remove the cover over the battery.



Disconnect the positive battery cable by removing the terminal cover and loosening the terminal nut with a 10mm socket.

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Step 1: Disconnect the Battery con't.

• Remove the clip on the positive cable from the strut tower.



Step 2: Engine Bay Disassembly

• Using a 15mm deep socket, remove the nuts holding the strut tower brace and remove the brace from the vehicle.

• Remove the engine cover using an 8mm deep socket on the passenger side front and driver side rear bolts.





• Use a 10mm deep socket on the driver side front and passenger side rear bolts.

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Step 2: Engine Bay Disassembly con't.

• Using a 7mm deep socket, loosen the clamp on the air box tube.



• Disconnect the IAT sensor and pull the harness clip from the front of the air box.





• Using a 10mm deep socket with 6" extension, remove the air box bolt. Remove the air box from the vehicle.

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Step 2: Engine Bay Disassembly con't.

• Using a 7mm deep socket, loosen the clamp on the intake tube and remove the intake tube from the throttle body.

- Disconnect the Throttle Position Sensor from the throttle body.

• Using an 8mm deep socket, remove the 4 bolts from the throttle body. Remove the throttle body from the vehicle.





• Disconnect the fuel supply line by sliding a 3/8" fuel disconnect tool into the base of the connector, push the fuel supply line down allowing the disconnect tool to slide over the fuel line flange, spreading out the connector tabs. Then pull up on hose and tool together and the fuel line should come loose.

**Note: The fuel system is under pressure. You will need to absorb the fuel leaking from the pressure with a rag. It is important to make sure the engine and exhaust are free of heat.

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Step 3: Fuel Adapter Installation

• Assemble the supplied fuel adapter by applying red Loctite on the pipe thread end of the 90° fitting and screw it into the side of the fuel adapter body. Tighten using a 3/8" wrench.

**Note: The 90° fitting should tighten in to place perpendicular to the fuel adapter.



• Install the fuel adapter to the fuel supply line by sliding the female end over the fuel line until it to rest against the fuel line flange. Then slide the fuel adapter nut over the fuel line and thread into the body of the fuel adapter. Using a 13/16" wrench tighten the adapter nut firmly into the adapter body pinching the fuel line flange between.

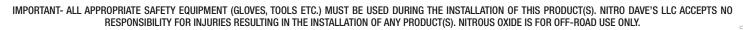


• Reinstall the vehicles fuel line by sliding the fuel connector over the male end of the fuel adapter and firmly pushing until the connector locks into place over the adapter flange.



• Make sure that the intake manifold and nitrous plate O-rings are intact and properly seated in place.

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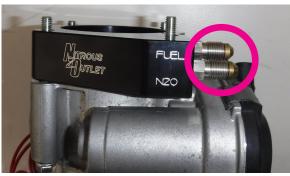
INSTALLATION INSTRUCTIONS



Step 4: Nitrous Plate, Hardlines and Solenoid Assy. con't.

• Assemble the throttle body, nitrous plate, solenoid assembly, and the provided 6mm bolts with washers.

**Note: You should be able to properly read the engraved Nitrous Outlet logo while standing in front of the vehicle. The solenoid assembly will be placed under the throttle body with the top of the solenoids faced to the front of the throttle body.



• Install the nitrous and fuel jet into the nitrous plate. The plate is engraved N2O for nitrous jet location and engraved FUEL for fuel jet location.

Note: Use the jet card that came with the nitrous system to choose the correct jetting recommendation for your desired horsepower.



• Remove the nut and compression feral from the solenoids exit fittings located at the bottom of the solenoids.



• Using the hardline with the red b-nut, slide the compression nut and feral on the end, opposite of the b-nut.

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**Note: The nut slides on first and then the feral.

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Step 4: Nitrous Plate, Hardlines and Solenoid Assy. con't.

• Holding the nut and feral in place slide the hardline into the fuel solenoid exit fitting.



• Finger tighten the compression nut onto the solenoid exit fitting.



• Finger tighten the red b-nut onto the fuel jet holder fitting.

• Repeat the same steps to install the nitrous hardline.

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- Using a 3/8" wrench to hold the jet holder fitting and a 7/16" wrench to tighten the b-nut, tighten both the fuel and nitrous nuts.
- **Note: Do not over tighten the b-nut, it only needs to be snugged.



• Using a 7/16" wrench tighten the compression nuts at the solenoids. ****Note: Tighten enough for the feral to compress.**



Step 5: Nitrous Plate Assembly Installation

- Place the nitrous plate assembly on the intake flange.
- Using a 10mm socket, tighten the 4 throttle body bolts into the manifold.

Shown with optional purge kit p/n 00-62001



Step 6: Fuel Feed Line Installation

- Using the 36" 4AN hose with red b-nuts, route the hose under the intake manifold from front to back.
- **Note: Make sure that the hose is clear of any sharp or hot areas.

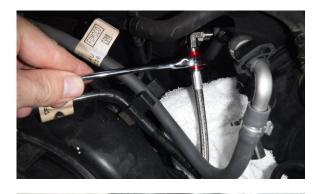
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Step 6: Fuel Feed Line Installation con't.

- Blow the hose out with compressed air and finger tighten the b-nut on to the fuel solenoid inlet fitting. Then tighten the other end of the hose onto the 90° fitting at the fuel adapter.
- Using a 9/16" wrench tighten both b-nuts into place.





Step 7: Bottle Installation

• Open the trunk and remove the floor panel.

- Place the stainless clamps that came with the nitrous system around the nitrous bottle.
- Position the clamps mounting tabs so that they both sit flush to the floor, under the bottle and tighten the brackets around the bottle.

**Note: The taller bracket will go at the top of the bottle and the shorter bracket will go at the bottom of the bottle.

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Step 7: Bottle Installation con't.

• Determine the proper bottle location by setting the bottle in place, at the passenger side of the spare tire well.

**Note: Make sure the spare tire floor cover will clear the bottle brackets as well. If this is done correctly it will cover the bolts.



• Lift the inner trunk panel and using a sharpie, mark the trunk floor at the edge of the brackets mounting pad location.

- Using a trim tool pop out the top tab on the passenger side sail panel.



• Then remove the 3 push pins holding the passenger side inner trunk panel in place.

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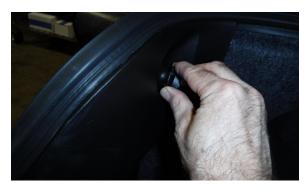
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Step 7: Bottle Installation con't.







• Remove the rear inner trunk panel by removing the four screw knobs and lifting up on the panel.

• Remove the passenger side inner trunk panel.

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Step 7: Bottle Installation con't.

• Place the nitrous bottle back in its desired location. Using a sharpie mark the mounting tabs bolt holes. Then remove the bottle from the vehicle.



• Check under the vehicle and make sure the area you will be drilling holes in, is clear of any electrical, braking, exhaust, or fuel system components. Then use a center punch to mark the center of your marks. Using a 3/8" drill bit, drill the holes you marked.

• Using a Rivet insert tool install 5/16-24 rivet nuts into the drilled holes.



- Place Bottle back in location and make sure the bolt holes line up and that the 5/16-24 supplied bolts thread in.
- We will come back to this step for final assembly later.

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Step 8: Nitrous Feed Line Installation

• Starting at the back of the car prop up the forward floor panel and remove the passenger side floor plug.



• Using a step bit, open up the existing hole to 1-1/16"

- Using tape, cover both ends of the 6AN feed line to keep debris from getting in.



• Push one end of the feed line through the 1-1/16" hole to under the car.

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Step 8: Nitrous Feed Line Installation con't.

- The feed line will route in front of the rear suspension, along the frame rail, through the black body brace, up the front passenger side wheel well, entering the engine compartment at the battery compartment. Then the feed line will route along the firewall, over to the driver side of the intake manifold and to the nitrous solenoid.
- Using Zip Ties secure the feed line to insure clearance from any moving parts, sharp objects, and exhaust. Use the 3/4" P-clamps to attach to the frame rail.





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Step 8: Nitrous Feed Line Installation con't.

• In the trunk push the supplied rubber grommet over the 6AN feed line and install it into the 1-1/16" drilled hole. Push the feed line through the grommet and under the car to where only the B-nut is exposed. Lower the forward trunk panel on to the feed line's b-nut applying slight pressure.



• Using an adjustable blade carefully cut an "X" over the hose to allow the hose to slide through the panel. Now pull the slack through the grommet and panel into the trunk area.

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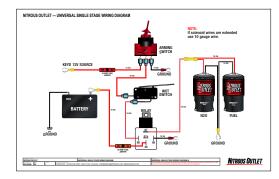
• Now pull the slack through the grommet and panel into the trunk area.



• Remove the tape from both ends of the feed line and blow the hose out with compressed air. Put the tape back on the end in the trunk.



• Using a 11/16" Wrench tighten the main feed line onto the nitrous solenoid inlet fitting.



Step 9: Wiring

• Using the diagrams that came with whichever nitrous controller and system accessories you chose, route the wiring through the car. The wiring diagram can be found on the last page of these instructions.

Note: This is a basic system diagram with a WOT Switch. You should be using a nitrous controller that incorporates a window safety switch with TPS activation.

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Step 10: Final Assembly

• Reinstall the passenger side trunk panel.

- Using a razor blade, carefully cut an X over each of the installed rivet nuts.

• Remove the stainless bottle brackets from the nitrous bottle. Using a 1/2" wrench and the supplied 5/16-24 bolts and washers bolt the brackets down with the taller bracket to the front of the car.



• Reinstall the nitrous bottle into the brackets and attach the main feed line using a 11/16" wrench.

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Step 10: Final Assembly con't.

• Reinstall the rear inner trunk panel.



- Reinstall the nitrous bottle into the brackets and attach the main feed line using a 11/16" wrench.
- Reinstall the trunk floor panel.



Reinstall the intake tube.

• Reinstall the airbox.

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Step 10: Final Assembly con't.

• Reconnect the IAT sensor.



• Reconnect the TPS sensor.

• Reinstall the engine cover.



• Reinstall the strut tower brace.

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Step 10: Final Assembly con't.

• Reconnect the positive terminal to the battery and re install the clip to the strut tower nut.



- Reinstall the battery cover.

Step 11: Final Check Over

- Key car on and let the system prime. Check all fuel system components for fuel leaks.
- With the nitrous bottle still closed check the system functions to ensure proper wiring and proper settings of any electronic controllers.
- With the nitrous system deactivated open the nitrous bottle and check for any nitrous leaks.

Conclusion

You have now finished the nitrous system part of your installation. Before starting your tuning process make sure you have installed the proper spark plugs, have adequate fuel delivery, and removed the proper amount of timing. If you are not certain of your needs please call our technical department at 254-848-4300.

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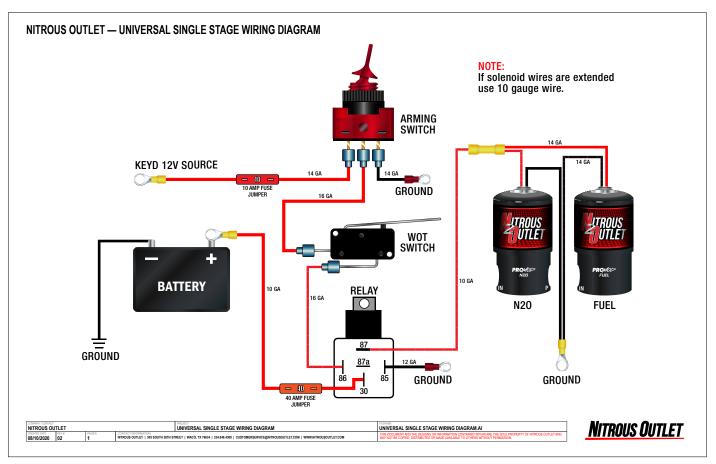
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Wiring Diagram



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