



2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

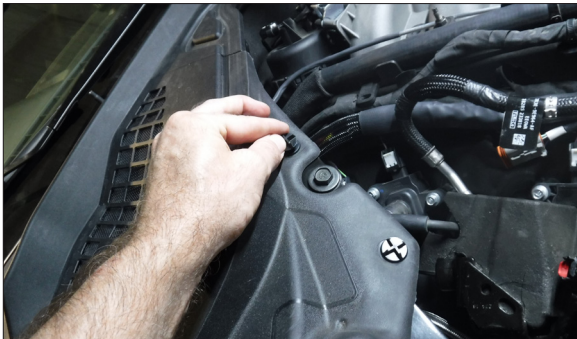
INSTALLATION INSTRUCTIONS

This Nitrous Outlet Vehicle Specific Plate System is designed specifically for the 2018-20 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*:

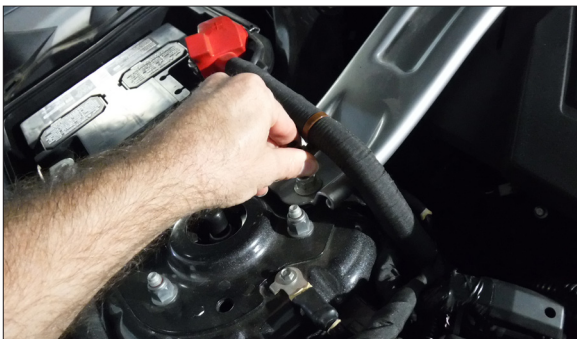
- 7/16" Deep Socket
- Ratchet
- 11/16" Wrench
- Step Bit
- 1/2" Socket
- 6" Extension
- Drill
- Center Punch
- 8mm Deep Socket
- 3/8" Wrench
- 13/16" Wrench
- Phillips Head Screwdriver
- 10mm Deep Socket
- 7/16" Wrench
- Adjustable Blade
- Marker
- 15mm Deep Socket
- 9/16" Wrench
- 3/8" Drill Bit
- 3/8" Fuel Disconnect Tool

***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:

Open the hood and remove the cover over the battery. Disconnect the battery by removing the cover over the positive terminal, removing the nut from the terminal with a 10mm socket. Using a 10mm socket, remove the nut from the negative terminal. Remove the clip on the positive cable from the strut tower.



IMPORTANT- ALL APPROPRIATE SAFETY EQUIPMENT (GLOVES, TOOLS ETC.) MUST BE USED DURING THE INSTALLATION OF THIS PRODUCT(S). NITRO DAVE'S LLC ACCEPTS NO RESPONSIBILITY FOR INJURIES RESULTING IN THE INSTALLATION OF ANY PRODUCT(S). NITROUS OXIDE IS FOR OFF-ROAD USE ONLY.

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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



Step 2:

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



Step 3:

Remove the engine cover.



Step 4:

Disconnect the air flow sensor, 2 vacuum lines, and sound tube from the air box tube.



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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



Step 5:

Using a 10mm deep socket, remove the bolt on the side of the air filter housing. Using an 8mm socket with extension, loosen the clamp around the throttle body. Remove the airbox and tube from the vehicle.

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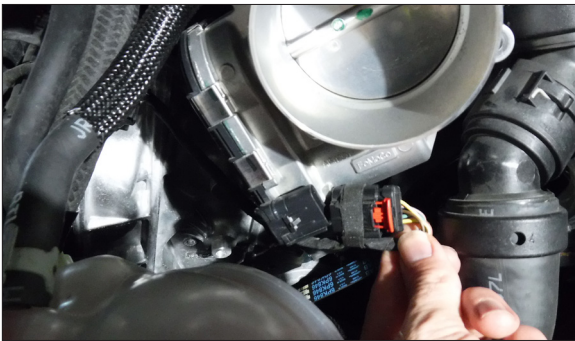
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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



Step 6:

Disconnect the Throttle Position Sensor from the throttle body.



Step 7:

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



Step 8:

Using a 3/8" fuel disconnect tool, push the fuel feed hose down and pull the disconnect up into the feed hose. Now pull up on hose and tool together and the feed should come loose. Place a rag under the stock fuel line to absorb the fuel that will leak out.

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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



Step 9:

Install the supplied fuel feed adapter and tighten the retaining nut with a 13/16" wrench.



Step 10:

Connect the stock fuel line to the adapter.



Step 11:

Using a 7/16" deep socket with extension, connect the straight fitting to the fuel feed adapter. Using a 9/16" wrench, connect the fuel line to the straight fitting.



Step 12:

Assemble the nitrous plate, solenoid bracket, solenoids, hard lines, and fittings as shown. Red on the fuel fitting and black on the N2O fitting. 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. Use a 7/16" wrench to tighten them down on the solenoids. Using the jet chart that came with your nitrous system, find the recommended jetting for the amount of horsepower you are wanting to add. Then, place the jets into the correct fitting on the nitrous plate. If you are using the stock fuel system point the fitting in the fuel solenoid toward the driver side of the vehicle. If you are using a dedicated fuel system (p/n 00-12018), point the fuel solenoid fitting toward the passenger side. If you are using the stock fuel system, point the fuel solenoid fitting toward the driver side
shown with optional purge kit p/n 00-62001

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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



Step 13:

Make sure that the O-rings are intact and properly seated in the throttle body and nitrous plate. Place the nitrous plate in between the throttle body and solenoid plate with the logo facing the front of the vehicle making sure that the O-rings are intact and properly seated in the throttle body and nitrous plate. The solenoid plate will line up between the nitrous plate and the intake manifold with the solenoids to the passenger side of the vehicle. Use the four 10mm bolts included with your nitrous system and a 10mm deep socket to mount the plate and throttle body.



Step 14:

Using a 9/16" wrench, connect the fuel line to the 90° fitting on the fuel solenoid.



Step 15:

If you are installing the optional Pro Wiring Harness you will need to install it prior to Step 15
Open the trunk and remove the floor panel.



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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



Step 16:

Prop up the forward floor panel and remove the passenger side floor plug. Using a step bit, open the existing hole to 1-1/16". Insert the provided grommet in the hole.



Step 17:

Starting in the trunk, route the nitrous feed line through the grommet, then out the bottom of the car in front of the rear suspension cable, along the floor frame rail, up the passenger side wheel well behind the black body brace, in to the engine compartment along the battery compartment, along the top of the cylinder head, and to the nitrous solenoid. You will need to secure the hose to the frame rail with a 3/4" P-clamp. (not provided)



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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



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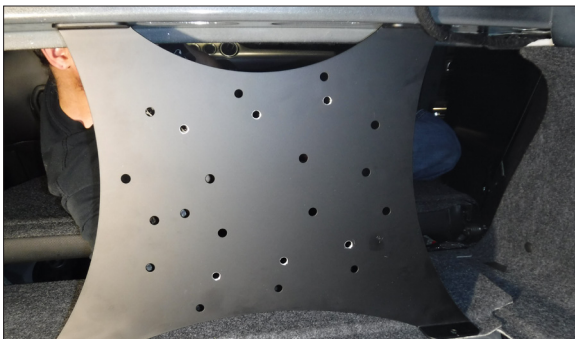
Step 19:

Lower the forward trunk panel on to the feed line and apply pressure over the hose. Using an adjustable blade, carefully cut an X over the hose, making sure not to damage it.



Step 20:

Pull the feed line end through the trunk panel.



Step 21:

With the forward trunk panel in place, place bottle mount in trunk with the top of the mount under the rear seat brace and the bottom on top of the flange of the trunk panel. You may need to place the mount slightly toward the passenger side to clear the seam sealer on the floor of the trunk. Mark the 4 holes with a marker. Remove the bottle mount.



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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



Step 22:

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 center punch to mark the center of your mark, then a 3/8" drill bit to drill the holes you marked.

Step 23:

Install Rivet Nuts in the holes. (See attached notes for information regarding Rivet Nut installation)

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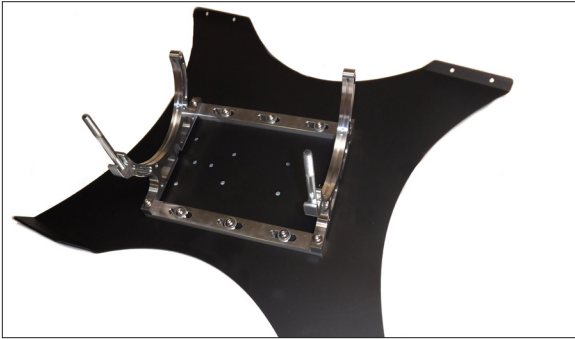
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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



Step 24:

Mount the bottle bracket on the bottle mount in the desired location and tighten the bolts with a 7/16" wrench. Be sure and use washers on both the bolt and the nut.

Shown with optional Billet Heated Bracket P/N 00-32018



Step 25:

Using a 1/2" socket, install the bottle mount with the provided hardware.



Step 26:

Mount the bottle and tighten the feed line onto it with an 11/16" wrench. See attached notes for information regarding bottle mounting.



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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



Step 27:

Place the floor panel face down on a flat surface. Mark a line 13-1/2" from the forward edge of the floor panel. Using an adjustable blade, score a line through the plastic board, making sure not to cut through the carpet. This will give a hinge point in the floor for access to the spare tire.



Step 28:

Using an 11/16" wrench, attach the feed line to the nitrous solenoid. Don't over-tighten it.



Step 29:

If you purchased the optional purge system, you should install the purge line at this time.

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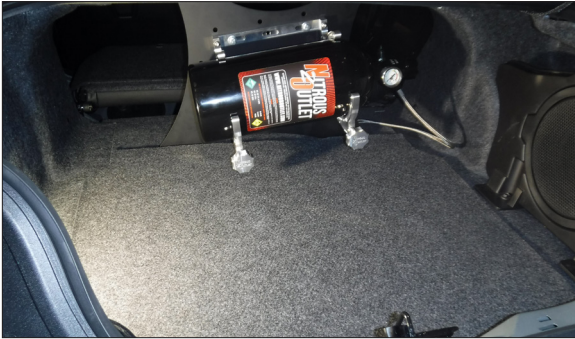
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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



Step 30:
Reinstall the floor panel.



Step 31:
Reconnect the Throttle Position Sensor to the throttle body.



Step 32:
Replace the air box. Reconnect the air flow sensor, 2 vacuum lines, and sound tube from the air box tube. Using a 10mm deep socket, bolt in the box on the side of the air filter housing. Using an 8mm socket with extension, tighten the clamp around the throttle body.



Step 33:
Replace the engine cover.

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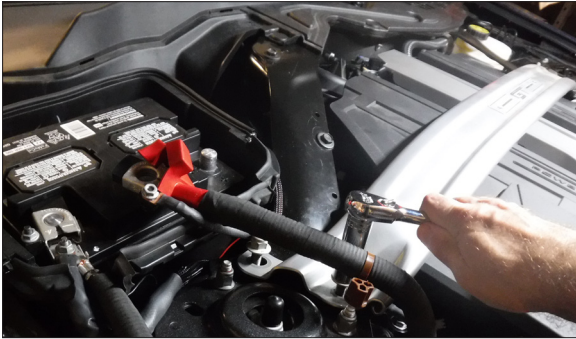
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2018-20 Ford Mustang Plate System

PART NUMBER 00-10191

INSTALLATION INSTRUCTIONS



Step 34:

Using a 15mm deep socket, reinstall the strut tower brace.



Step 35:

Using a 10mm socket, reconnect the positive battery cable. Replace the clip on the positive cable to the strut tower.



Step 36:

Replace the cover over the battery.

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