



2015+ HELLCAT 6.2L HEMI SYSTEM

VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS

These installation instructions will guide you through installing the Nitrous Outlet 2015+ Hellcat 6.2L Hemi Vehicle Specific Plate System on your vehicle. Before you get started, remember to never use Teflon tape or paste on NPT fittings. Loc-Tite is recommended. Compression and -AN fittings do not require any sealant. Always wear protective gear!

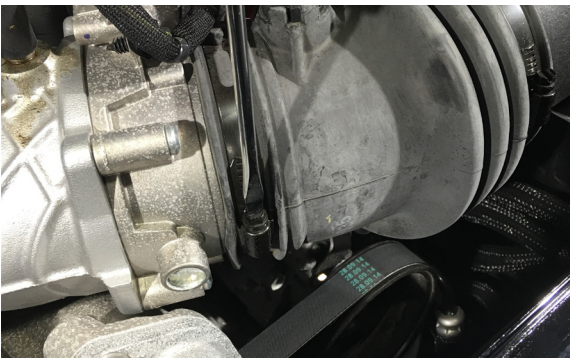
Tools Needed For Installation:

- T-30 Torx Bit
- Ratchet and Extension
- 10mm Socket
- Flathead Screwdriver
- 1 1/8" Drill Bit
- 5/16" Drill Bit
- 11mm Socket
- 1/2" Wrench
- 3/8" Wrench
- 3/16" Hex Wrench
- 13/16" Wrench
- 3/4" Wrench
- Electric Drill
- 5/16" Wrench



Step 1:

Start by opening the hood and locating the air intake box. Use a flathead screwdriver to remove the air intake box lid.



Step 2:

Remove the intake coupler from the throttle body by loosening the clamp with a flathead screwdriver.

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2015+ HELLCAT 6.2L HEMI SYSTEM

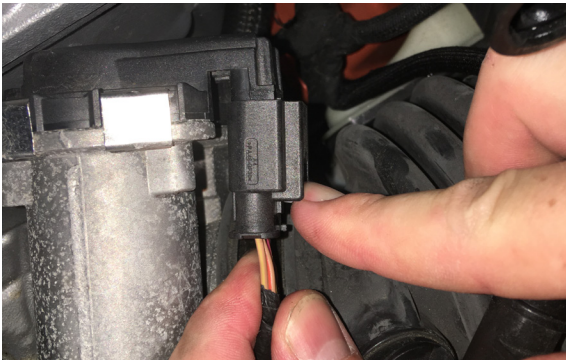
VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS



Step 3:

Unplug the sensors on the intake air tube, then push the intake tube and intake air box lid out of the way.



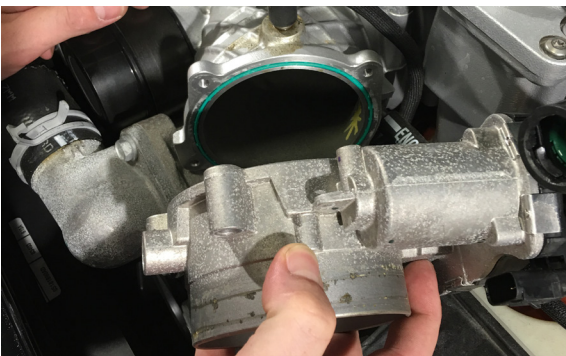
Step 4:

Unplug the electrical connector on the throttle body.



Step 5:

Locate the 4 bolts that secure the throttle body to the intake manifold, and remove them with a T-30 Torx Bit.



Step 6:

Remove the throttle body, and be careful to not let it fall.

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2015+ HELLCAT 6.2L HEMI SYSTEM

VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS



Step 7:

Place the Nitrous Outlet Throttle Body plate behind the throttle body, and insert the four 10mm bolts into the mounting holes. The 10mm bolts are inside the hardware package for your nitrous system.



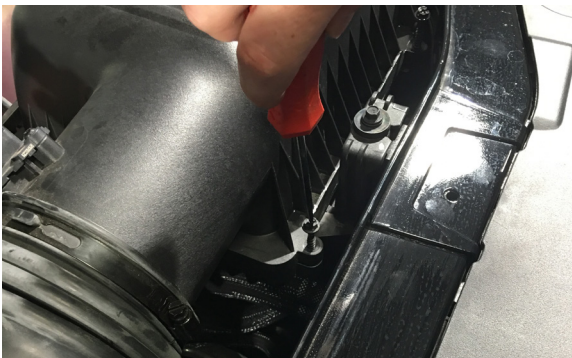
Step 8:

Bolt the throttle body and nitrous plate back onto the supercharger's snout. Then, tighten down the bolts with a 10mm wrench.



Step 9:

Replace the air intake tube, coupler, and air intake box lid. Put the coupler on the throttle body first, then lower the air intake box lid into place.



Step 10:

Use a flathead screwdriver to tighten the screws on the air intake box lid.

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2015+ HELLCAT 6.2L HEMI SYSTEM

VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS



Step 11:

Tighten the air intake coupler onto the throttle body with a flathead screwdriver.



Step 12:

Plug the sensors on the air intake tube back in. Make sure they are properly connected by giving the plugs a gentle tug.



Step 13:

Locate the fuel adapter that came with your nitrous system. Along with the fuel adapter, you'll need the 1/8" NPT x -4AN 90° fitting, and the 1/8" NPT Hex plug.



Step 14:

Put a drop of Red Loc-Tite on the 1/8" NPT side of the 90° fitting, and screw it into one of the open ports on the fuel adapter. Use a 1/2" wrench to tighten the fitting into the adapter. The -4AN fitting needs to point in the same direction as the female end of the fuel adapter.

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INSTALLATION INSTRUCTIONS



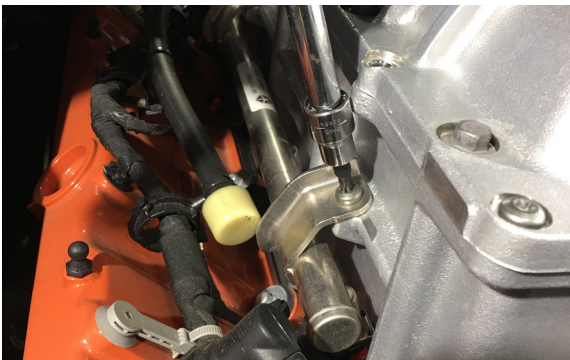
Step 15:

Put a drop of Loc-Tite on the 1/8" NPT Hex Plug, and tighten it into the other open port on the fuel adapter with a 3/16" Hex wrench.



Step 16:

Now remove the passenger side injector cover by gently pulling up on each end. Once it is loose, remove it from the engine bay.



Step 17:

Remove the fuel injector rail by removing the 2 retaining bolts with a T-30 Torx bit.



Step 18:

Once the fuel injector rail is loose, locate the 2 fuel lines on the back of the injector rail. Remove the clamps on both of them by sliding the clamps off of the hose. After the clamps are loose, remove the fuel injector from the engine bay.

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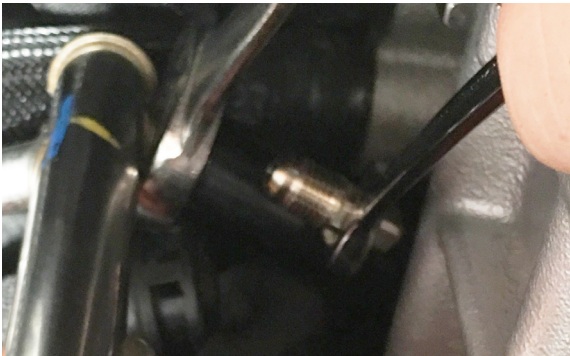
VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS



Step 19:

Push the male end of the fuel adapter into the fuel hose, and replace the clamp to secure it.



Step 20:

Put the collar of the fuel adapter onto the fuel rails inlet fitting, and screw the collar into the fuel adapter fitting. Tighten it down by holding the fuel adapter on the 90° fitting with a 1/2" wrench, and tighten the collar with a 13/16" wrench.



Step 21:

Screw the -4AN fuel feed hose onto the fuel adapter and tighten it down with a 9/16" wrench. Don't over-tighten the hose, it only needs to be snug.



Step 22:

Replace the fuel injector rail onto the supercharger. Make sure the injectors are seating by firmly applying pressure downward.

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2015+ HELLCAT 6.2L HEMI SYSTEM

VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS



Step 23:

Secure the fuel injector rail by tightening the 2 bolts with a T-30 Torx bit.



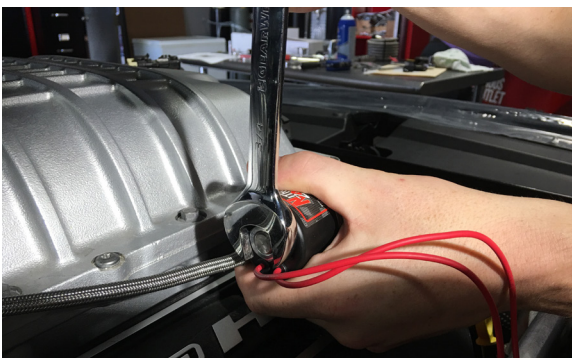
Step 24:

Use a T-30 Torx Bit to remove the 2nd Torx bolt from the front of the supercharger on the passenger side. Then, place one of the spacers that came with your nitrous system over the bolt hole.



Step 25:

Mount the fuel solenoid bracket to the supercharger using the same screw you removed. Tighten it down with a T-30 Torx bit.



Step 26:

Use a 3/4" wrench to remove the nut on top of the fuel solenoid.

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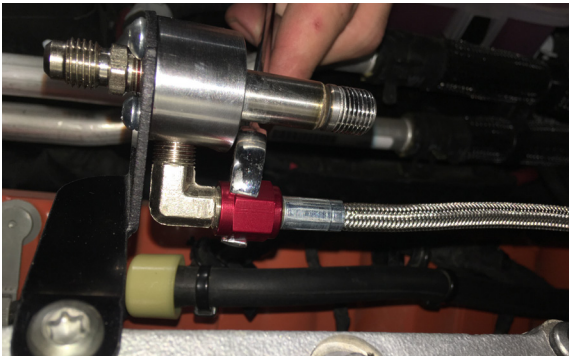
VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS



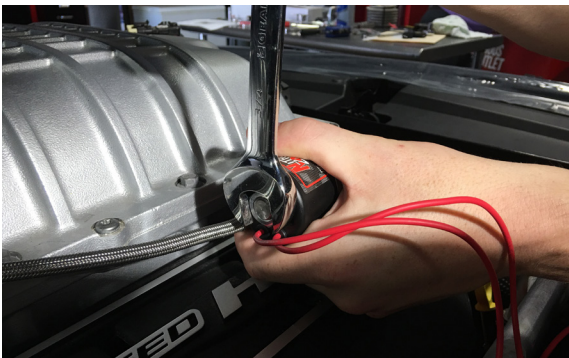
Step 27:

Remove the washer, can and coil from the solenoid by pulling it upwards off of the solenoids tower. Take note of how the solenoid washer is oriented. When you re-install the washer, it will need to be in the same orientation.



Step 28:

Tighten the -4AN Fuel Feed hose onto the fuel solenoid with a 9/16" wrench. Do not over-tighten the hose.



Step 29:

Replace the washer, can and coil onto the fuel solenoid and tighten down the nut with a 3/4" wrench. Do not over-tighten the nut onto the solenoid tower!



Step 30:

Tighten the -4AN side of the fuel SHO hose to the fuel solenoid outlet with a 9/16" wrench. Use a 7/16" wrench to hold the fitting. Do not over-tighten the hose.

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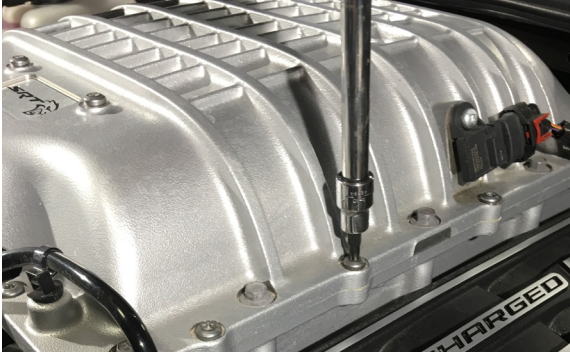
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VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS



Step 31:

Remove the 3rd hex bolt from the front of the supercharger on the drivers side of the vehicle with a T-30 Torx bit.



Step 32:

Place one of the spacers that came with your systems hardware package on the hole for the bolt you just removed.



Step 33:

Secure the nitrous solenoid bracket to the supercharger using the same T-30 Hex bolt you removed.



Step 34:

Tighten the -4AN side of the nitrous SHO hose onto the nitrous solenoids outlet with a 9/16" wrench. Use a 7/16" wrench to hold the fitting. Do not over-tighten the hose.

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INSTALLATION INSTRUCTIONS



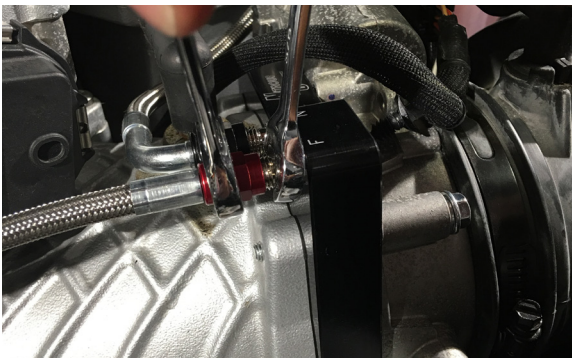
Step 35:

Select the jets you wish to use using the jetting card that came in your jet pack. Place the jets in the plate fittings. 'N' is for the nitrous side, and 'F' is for the fuel side.



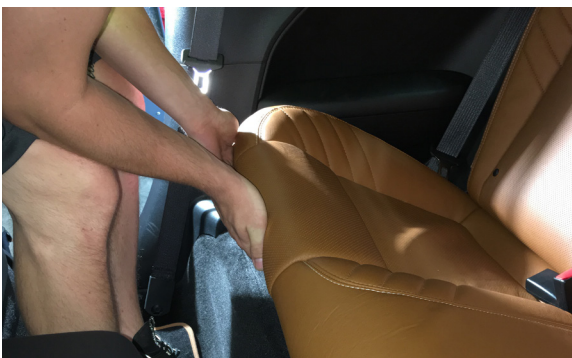
Step 36:

Screw the -3AN end of the nitrous SHO hose onto the plate. Hold the plate fitting with a 3/8" wrench, and tighten the hose with a 7/16" wrench. Do not over-tighten the hose.



Step 37:

Screw the -3AN end of the fuel SHO hose onto the plate. Hold the plate fitting with a 3/8" wrench, and tighten the hose with a 7/16" wrench. Do not over-tighten the hose.



Step 38:

Remove the back seat by pulling up on the corners of it. It may take some force for the clips to release.

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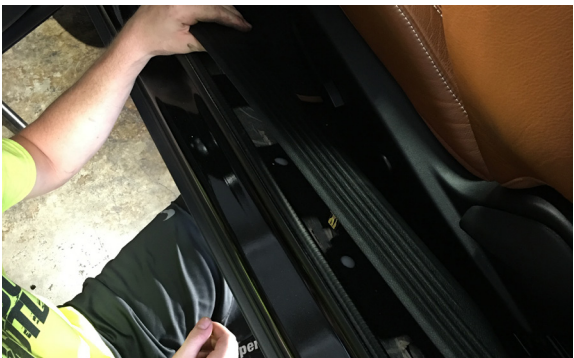
VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS



Step 39:

Remove the end cap on the drivers side of the dash using a trim tool. Work the trim tool all around the edges to release all of the clips.



Step 40:

Remove the drivers side kick panel using your hands and a trim tool. Work from one end to to the other releasing the clips. Once the kick panel is loose, remove it from the vehicle.



Step 41:

Use a 11mm socket and wrench to remove the dead pedal under the emergency brake. Once it's loose, remove it from the vehicle.



Step 42:

Locate an open place on the firewall to drill a 1 1/8" hole for the nitrous feed hose to go through. Be sure and check both sides of the firewall to ensure the area you're drilling is clear of anything that can be damaged.

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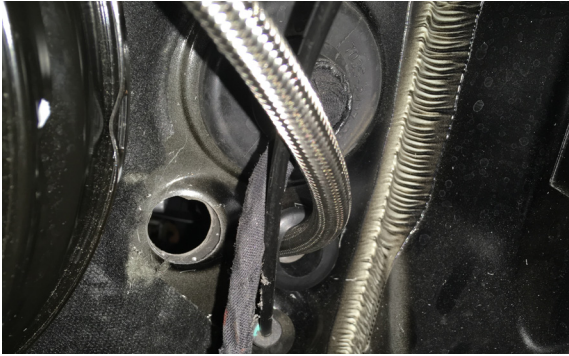
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2015+ HELLCAT 6.2L HEMI SYSTEM

VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS



Step 43:

Place a rubber grommet in the whole, and push the nitrous feed hose through the firewall from the drivers side floor.



Step 44:

Tighten the nitrous feed hose onto the nitrous solenoid with a 11/16 " wrench. Do not over-tighten it.



Step 45:

Use a phillips head screwdriver to remove the single screw under the kick panel. Then use your hands to pull loose the trim next to the backseat on the drivers side. This will be where the nitrous feed hose passes through to the trunk.



Step 46:

Push the nitrous feed hose behind the trim panel, and into the trunk. Be sure to route the hose under any seat brackets to ensure the hose doesn't pinch and that you don't run into any clearance problems during re-assembly.

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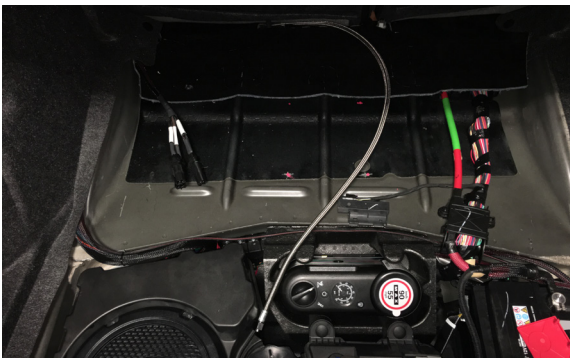
VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS



Step 47:

Push the feed hose down so it runs with the factory wiring harness. This will ensure you don't have any clearance issues when you put the carpet and kick panels back in.



Step 48:

Check the feed hose to ensure it won't be pinched or damaged by the back seat. If there's a chance it could be, relocate the hose to a different spot by routing it under the back seat.



Step 49:

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.* A great alternative mounting option is out Hellcat specific bottle mount (Part Number 00-33006).



Step 50:

Note: If you are using the standard bottle bracket that came with your kit, you'll need to source your own bolts for mounting the bracket with this kit. The bolt size should be 5/16-18 x 3".

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.

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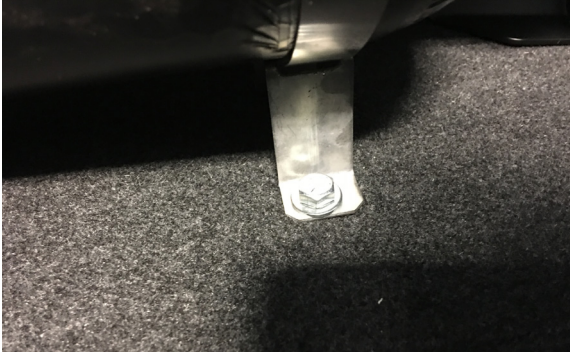
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VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS



Step 51:

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.



Step 52:

Tighten the nitrous feed hose onto the bottle with an 11/16" wrench. Do not over-tighten!



Step 53:

Use the attached diagram to wire your nitrous system.

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VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

INSTALLATION INSTRUCTIONS

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. 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 the back of the vehicle at a 45° angle. This is because upon acceleration, the nitrous can be pulled away from the siphon tube, and 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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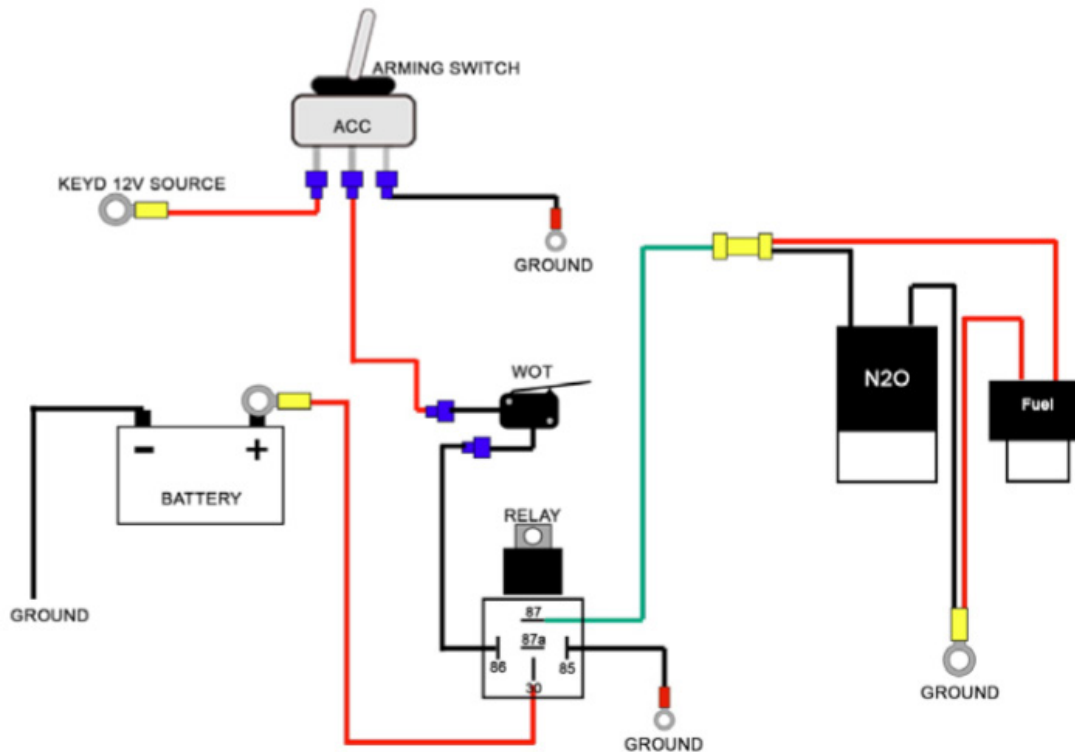
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VEHICLE SPECIFIC PLATE SYSTEM 00-10158-XX

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Wiring Diagram and Information

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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