



# 2019 C7 ZR1 Corvette Plate System

PART NUMBER: 00-10190

## INSTALLATION INSTRUCTIONS

This Nitrous Outlet Vehicle Specific Plate Conversion is designed specifically for the 2019 C7 ZR1 Chevrolet Corvette only. 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 Socket
- 10mm Deep Socket
- 13mm Deep Socket
- Ratchet
- 6" Extension
- 3/8" Wrench
- 7/16" Wrench
- 9/16" Wrench
- Flat Head Screwdriver
- Phillips Head Screwdriver
- Air Valve Tool
- Drill
- 1" Drill Bit
- Ratchet Extension
- 11/16" Wrench
- Floor Jack
- 4 Jack Stands
- T-15 Torx Bit
- T-30 Torx Bit
- T-40 Torx Bit
- Impact Gun (Optional)
- Air Compressor
- 3/4" Socket

\*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 rear hatch, lift the carpet, and remove the cover over the battery. Disconnect the battery by removing the cover over the positive terminal and loosening the nut from the terminal with a 13mm socket.



### Step 2:

Open the hood. Using a 10mm deep socket and extension, remove the 4 bolts holding the carbon fiber cover. Remove the cover from the vehicle.

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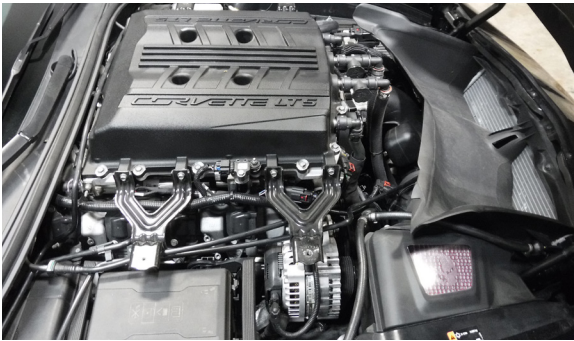
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### Step 3:

Using a 7mm socket remove the 2 upper screws on the radiator heat extractor. Using a 10mm deep socket with extension, remove the 2 lower screws on the radiator heat extractor and remove it from the vehicle.



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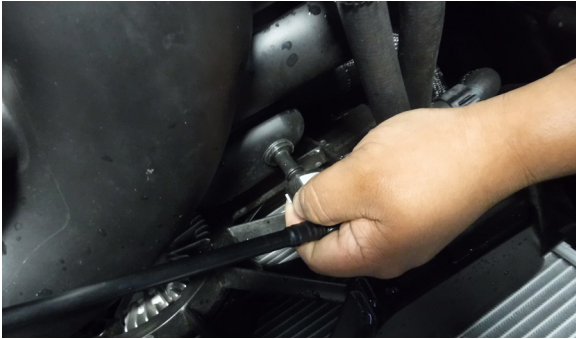




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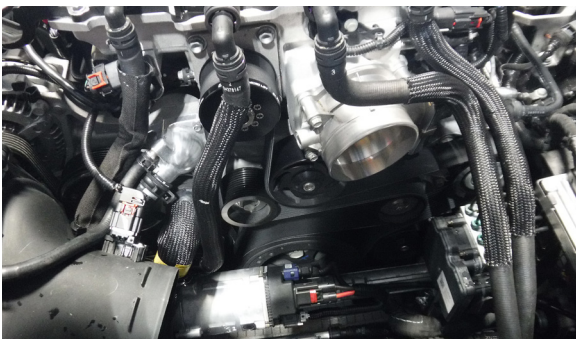
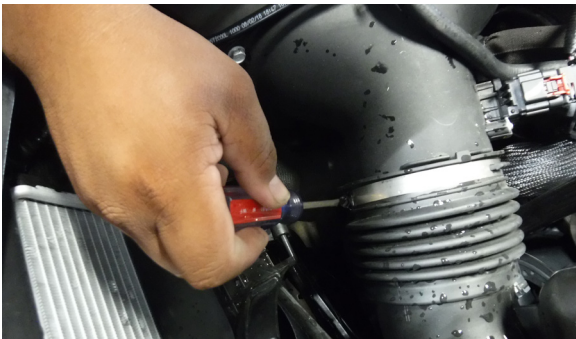
### Step 4:

Disconnect the PCV connector on the intake tube.



### Step 5:

Using a flat head screwdriver, loosen the clamps on the intake tube at the throttle body and the air filter box. Remove the tube from the vehicle.



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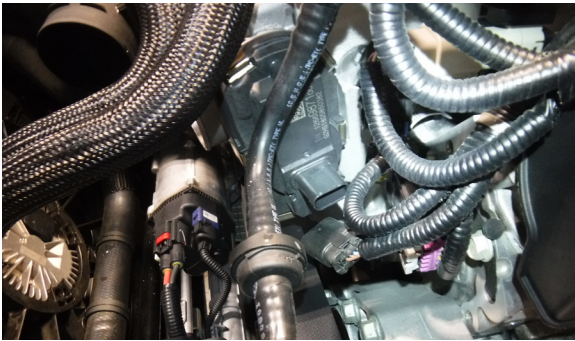
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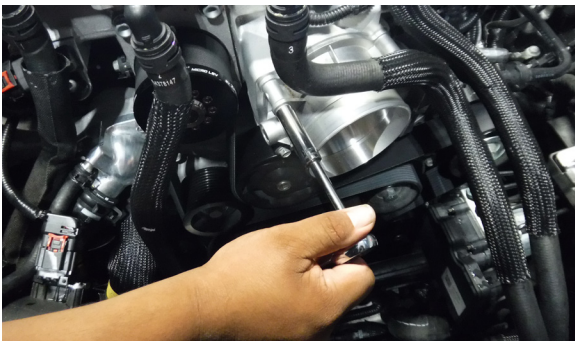
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### Step 6:

Disconnect the throttle body position sensor.



### Step 7:

Using a 10mm deep socket and extension, remove the 4 throttle body bolts and remove the throttle body from the vehicle.



### Step 8:

Using a Phillips head screwdriver, install the solenoids on to the bracket as shown. Install the 90° fittings on the "IN" port of the solenoids as shown.

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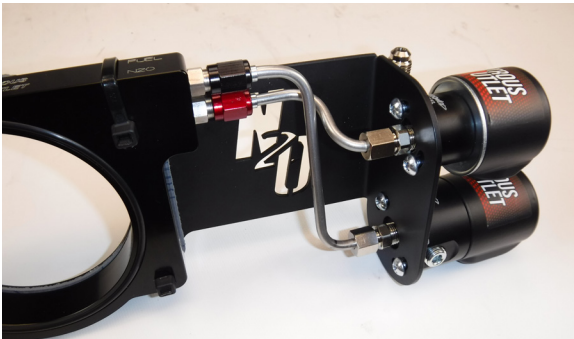
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## INSTALLATION INSTRUCTIONS



### Step 9:

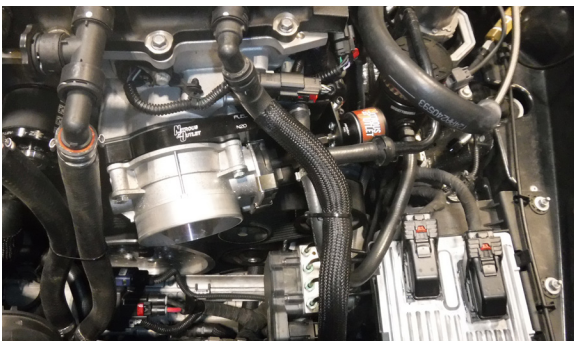
If you have purchased the optional hardline kit, install the hardlines. Red on the fuel fitting and black on the N2O fitting. Use a 3/8" wrench to hold the jet fitting on the plate and use a 7/16" wrench to tighten the hard line onto the plate. Do not over-tighten the B-nut, it only needs to be snugged 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.



### Step 10:

Using the supplied hardware, install the plate system in this order:

- 1: Solenoid bracket
- 2: Gasket
- 3: Plate
- 4: Throttle body



### Step 11:

Using a 10mm deep socket, remove the 2 bolts from the engine cover bracket on the left front side of the supercharger and remove the bracket from the vehicle.



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### Step 12:

Disconnect the wiring connector from the left front of the supercharger.



### Step 13:

Disconnect the PCV tube from the left front of the supercharger.



### Step 14:

Disconnect the wiring connector from the front of the left side fuel rail service port.



### Step 15:

Using an air valve tool, remove the Schrader Valve from the stock fuel rail.

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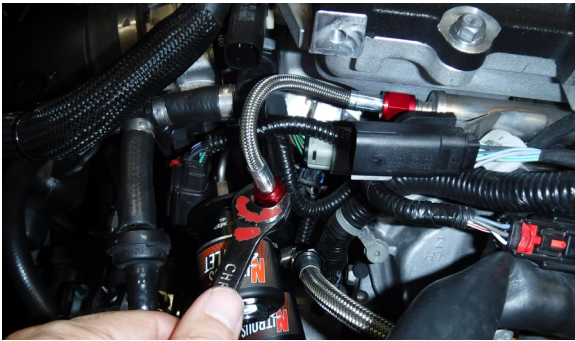




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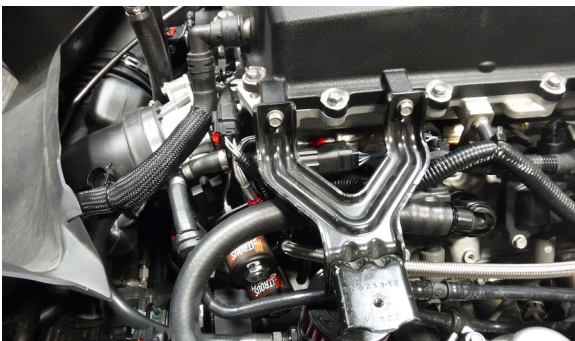
### Step 16:

Using a 9/16" wrench, install the fuel supply hose between the fuel rail and the fuel solenoid.



### Step 17:

Reconnect the PCV tube and 2 electrical connectors.



### Step 18:

Reinstall the engine cover bracket.



### Step 19:

Connect your existing nitrous line to the nitrous solenoid.

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### Step 20:

Locate the jack points on the vehicle, then use a floor jack to lift the vehicle. Be sure to use jackstands.



### Step 21:

Lift the vehicle completely off of the ground.



### Step 22:

Use a 3/4" Socket and Ratchet or Impact gun to remove both wheels on the passenger side of the vehicle.



### Step 23:

On the passenger side rear of the vehicle, remove the five 7mm bolts below the mudflap. Then, remove the ten T-15 Torx bolts and single 10mm bolts.

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## INSTALLATION INSTRUCTIONS



### Step 24:

Use the trim tool to remove the trim fasteners in the passenger side rear fender well.



### Step 25:

Gently remove the inner fender well from the vehicle.



### Step 26:

On the front passenger side, use a 7mm socket to re-move the four bolts on the bottom rear of the front fender. Then, remove the two 10mm bolts and remove the splash guard.



### Step 27:

Remove the three 7mm bolts in the front of the fender well.

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## INSTALLATION INSTRUCTIONS



### Step 28:

Remove the 8 bolts inside the front passenger side fender well with a T-15 Torx.



### Step 29:

Remove the 5 trim tabs inside the fender well. After the trim tabs are loose, remove the single 10mm bolt.



### Step 30:

Remove the inner fender well by gently pulling down and outwards on it.



### Step 31:

In the engine bay, remove the 2 black plastic covers on the passenger side fender. There is 1 at the front and back of the fender.

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## INSTALLATION INSTRUCTIONS



### Step 32:

Lift the cowl on the passenger side of the vehicle and remove the single 7mm bolt on the fender. Then ,remove the three T-15 Torx on top of the fnder.



### Step 33:

Remove the three bolts that secure the bumper cover with a T-30 Torx Bit.



### Step 34:

Use the trim tool to remove the 2 trim tabs on the front of the drivers and passenger side fender wells.



### Step 35:

Pop loose the bumper cover on the drivers and passen-ger side by gently pulling on it.

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### Step 36:

Use a 7mm socket and extension to remove the bolts that hold the passenger side headlight.



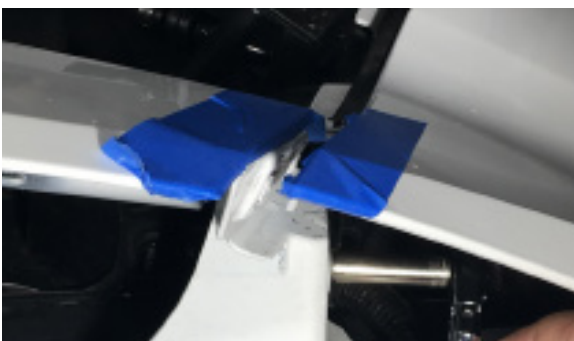
### Step 37:

Remove the passenger side headlight from the vehicle.



### Step 38:

Remove the two 10mm bolts under the headlight location.



### Step 39:

Remove the single 10mm bolt at the rear of the fender near the PCM.

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## INSTALLATION INSTRUCTIONS



### Step 40:

Open the passenger side door of the vehicle, and remove the single 10mm bolt on the rear of the front fender.



### Step 41:

Gently remove the fender from the vehicle.



### Step 42:

After the fender is removed, place it somewhere to avoid being damaged.



### Step 43:

Remove the floor mat from the hatch area.

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## INSTALLATION INSTRUCTIONS



### Step 44:

Use a T-40 Torx to remove the 4 D-Rings in the hatch area.



### Step 45:

Use a trim tool to pop loose the plastic trim in the hatch area.



### Step 46:

Remove the trim from the hatch area of the vehicle.



### Step 47:

Remove the carpet from the floor of the hatch area.

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### Step 48:

The most user friendly bottle mounting method is our C7 Bottle Mounting Plate (Part Number 00-33019). Not using the bottle mounting plate will require removal of the ex-haust, suspension components, and will require drilling through the body. For additional bottle mounting info see the 2nd to last page of this installation guide.



### Step 49:

Remove the speaker on the passenger side of the vehicle with a 7mm socket.



### Step 50:

Reach inside the speaker box and remove the foam insulation.



### Step 51:

Drill a 1" hole into the bottom of the speaker box. After the hole is drilled, put a grommet in the hole.

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### Step 52:

Drill a 1" hole into the speaker box from inside the rear fender well. After the hole is drilled, place a grommet in the hole.



### Step 53:

Route the nitrous feed hose into the grommet in the speaker box.



### Step 54:

Route the nitrous feed hose through the grommet in the bottom of the speaker box and into the rear fender well.



### Step 55:

Using a wire fishing pole, route the nitrous hose through the passenger side rocker panel of the vehicle.

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### Step 56:

When the nitrous feed hose has reached the front of the rocker panel, pull it through enough that you can reach the front of the engine bay.



### Step 57:

Route the nitrous feed hose through the frame of the vehicle and into the engine bay.



### Step 58:

Route the nitrous feed hose through the engine bay and up to the nitrous solenoid. Use an air hose to blow through the nitrous hose and clear it of any debris. Then tighten onto the nitrous solenoid inlet fitting with an 11/16" wrench.



### Step 59:

Reconnect the throttle position sensor.

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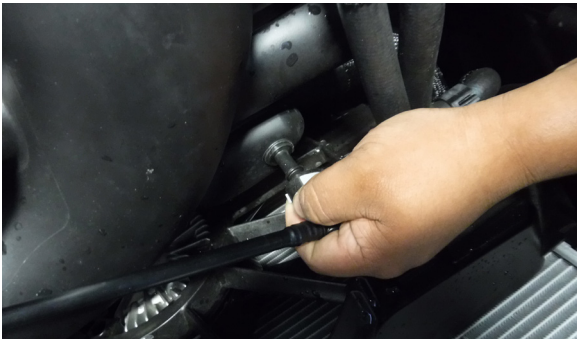
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### Step 60:

Reinstall the intake tube and reconnect the PCV line.



### Step 61:

Reinstall the radiator heat extractor.



### Step 62:

Reinstall the engine cover.

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**Step 63:**  
Reconnect the battery.

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