



2010-2015 GM Camaro Dedicated Fuel System (Gas/E85)

PART NUMBER: 00-12024

INSTALLATION INSTRUCTIONS

This Nitrous Outlet dedicated fuel cell is designed specifically for the 2010-2015 Camaro SS. If you need any assistance during installation or if you have questions about this dedicated fuel cell, call our Tech Help Line at (254) 848-4300.

Tools Needed for Installation:

- 10mm Socket
- 13mm Socket
- Ratchet
- 9/64" Allen Wrench
- 5/32" Allen Wrench
- 3/16" Allen Wrench
- 5/16" Allen Wrench
- Drill
- 3/8" Drill Bit
- Rivet Nut Tool
- 9/16" Wrench
- 11/16" Wrench
- 3/4" Wrench (2)

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 – Vehicle Disassembly

- Using a 10mm socket, remove the upper passenger side radiator mounting bolt.



- The 2010-2013 production vehicles have an M8x2.0 bolt securing the upper passenger side radiator shroud. Using a 13mm socket, remove the upper passenger side radiator shroud mounting bolt.



- The 2014-2015 production vehicles have an M6x1.0 bolt securing the upper passenger side radiator shroud. Using a 10mm socket, remove the upper passenger side radiator shroud mounting bolt.



Step 2 – Tank Installation

- Using a 3/8" drill bit, drill out the round hole on the inside surface of the fuse box mount.

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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- Using a rivet nut tool, install the provided 1/4-20 rivet nut.

****NOTE - If you do not have access to a rivet nut tool, see the DIY instructions on pages 8 & 9.**



- Using a 5/16" Allen wrench, install the 3/8"NPT hex plug on the side of the fuel pressure regulator with the vent fitting. Use blue Loc-tite on the fittings NPT threads.



- Using a 3/4" wrench, install the 3/8"NPTx6AN straight fitting in the remaining port of the fuel pressure regulator. Use blue Loc-tite on the fittings NPT threads.



- This fuel system is capable of supporting high or low fuel pressure. The fuel regulator currently has the low pressure spring installed. It is designed to supply 3 - 20 psi. If your application requires high fuel pressure you will need to install the supplied high pressure spring. It is designed to supply 20 - 65 psi.

To swap the regulator spring, use a 9/64" Allen wrench to remove the 4 cover screws.



- Remove the top cover exposing the diaphragm, spring and retainer. Swap the spring and reassemble.

Note: Make sure the retainer has the nipple side to the spring.

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- Using a 10mm socket and OEM hardware, install the dedicated tank in the radiator mount.



- For the 2010-2013 production vehicles, use a 13mm socket to install the dedicated tank in the radiator shroud mount. Use the large hole on the tank bracket to mount the tank to the radiator shroud.



- For the 2014-2015 production vehicles, use a 10mm socket, provided M6x40 bolt and spacer, install the dedicated tank in the radiator shroud mount. Use the small hole on the tank bracket and place the spacer between the tank bracket and the radiator shroud.



- Using a 5/32" Allen wrench, install the provided 1/4"-20 x 3/4" bolt and washer through the mounting tab and into the rivet nut.



- Install the supplied 6AN straight hose end to one end of the fuel feed hose.

***See Page 11 for Hose End Assembly instructions.*

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- Using an 11/16" wrench, connect the fuel line to the 6AN fitting on the fuel pressure regulator.



- Route the fuel feed hose across the front of the engine bay, between the air box and power steering reservoir, and across the top of the cylinder head to the fuel solenoid. Make sure the feed hose clears any hot surfaces or sharp edges.



- Cut the hose to length and install the remaining 6AN straight hose end.



- Loosen the hose end at the fuel regulator and blow the hose out with compressed air.



- Using an 11/16" wrench, connect the fuel line to the regulator and solenoid.

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Step 4 – Setting Fuel Pressure

- To set the regulated fuel pressure you will need to reference back to the nitrous systems jetting card. Pick the desired fuel pressure that matches the fuel jet you chose. The most accurate way to set the fuel systems fuel pressure is to set the flowing pressure. In order to do this you will need a flow tool kit. The flow tool kit uses a certified accurate gauge and places the flow restriction jet at the end of the fuel system feed hose.

(The Nitrous Outlet Certified Fuel Pressure Test Gauge kit is part # 00-63010.)



- Using a 9/16" wrench, loosen the nut at the top of the fuel pressure regulator. Using a 3/16" Allen wrench, adjust the set screw to achieve the desired fuel pressure. Turn the Allen wrench to the right to increase pressure. Turn the Allen wrench to the left to decrease pressure. Once the pressure is set, use the 9/16" wrench to tighten the nut to lock the set screw in place.



Conclusion:

- You have finished your installation.

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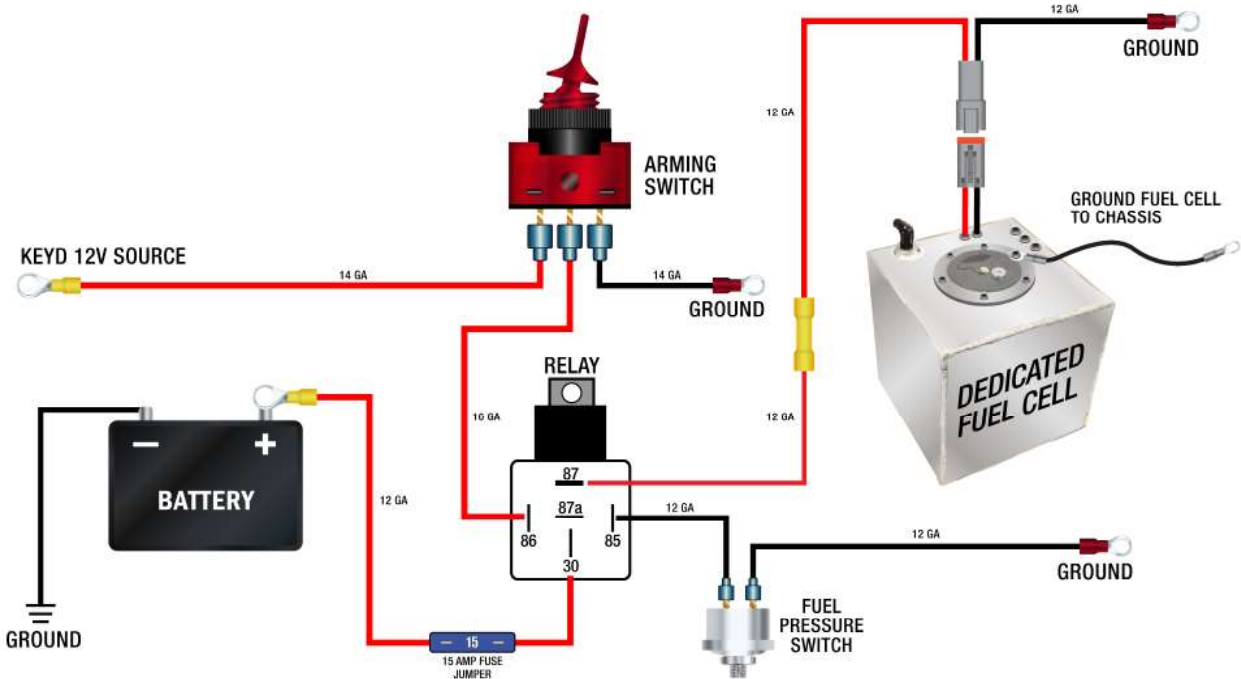


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INSTALLATION INSTRUCTIONS

NITROUS OUTLET — DEDICATED FUEL CELL SYSTEM WITH FUEL PRESSURE SWITCH WIRING DIAGRAM



DATE: 08/13/2020	REV: 03	PAGE: 1	CONTACT INFORMATION: NITROUS OUTLET 305 SOUTH 28TH STREET WACO, TX 76708 254-848-4300 CUSTOMERSERVICE@NITROUSOUTLET.COM WWW.NITROUSOUTLET.COM	PROJECT: DEDICATED FUEL CELL SYSTEM W/ FUEL PRESSURE SWITCH WIRING DIAGRAM	REVISION: DEDICATED FUEL CELL SYSTEM WITH FUEL PRESSURE SWITCH WIRING DIAGRAM A1 * THIS DOCUMENT AND THE DESIGN OR INFORMATION CONTAINED HEREIN ARE THE SOLE PROPERTY OF NITROUS OUTLET AND MAY NOT BE COPIED, DISTRIBUTED OR MADE AVAILABLE TO OTHERS WITHOUT PERMISSION.
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Do-It-Yourself Riv-Nut Installation Instructions

INSTALLATION INSTRUCTIONS

This document is used for Do-It-Yourself Riv-Nut installation instructions. 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*:

- 1/2" Wrench
- 7/16" Wrench
- 1/4"-20 Bolt about 1 1/2" long (Does not have to be a socket head)
- 1/4"-20 Nut
- 5/16-18" Nut

***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:

Thread the 1/4-20 nut all the way onto the 1/4-20 bolt. Slide the bigger nut over the 1/4-20 bolt and then thread the rivnut onto the 1/4-20 bolt.



Step 2:

Insert rivnut assembly into an 3/8" hole



Step 3:

Use both the 7/16" and 1/2" wrench. Hold the 1/2" wrench still and tighten the 1/4-20 nut till it stops.

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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Do-It-Yourself Riv-Nut Installation Instructions

INSTALLATION INSTRUCTIONS



Step 4:

Un-thread the 1/4-20 bolt with the nuts to complete the install.



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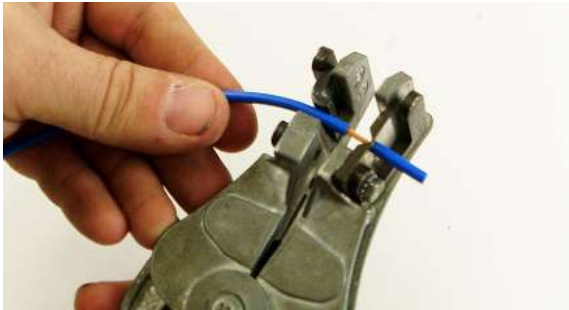


Deutsch Connector Assembly Instructions

INSTALLATION INSTRUCTIONS

Deutsch Connector Assembly:

To assemble Deutsch terminal ends you can use a special crimper, or if done cautiously, this can be done with a pair of needle nose pliers.



Step 1:

Strip the end of the wire you want to place the connector on about 3/8".



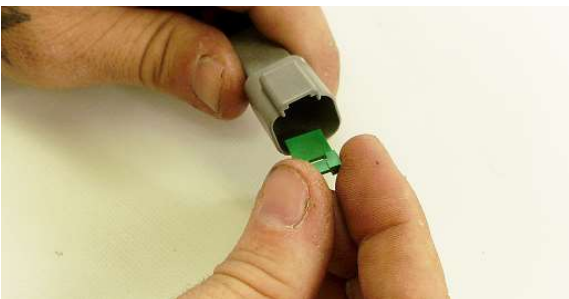
Step 2:

Using a crimp tool or needle nose pliers, crimp the connector down. First the smaller crimp and then the larger crimp, make sure the weather pack seal gets crimped with the larger side.



Step 3:

Once your sure you have a good crimp slide the pins into the connector housing being sure to match the wires correctly on each side. Push the pin in the housing until you feel a positive click and the wire cannot be pulled back out of the connector.



Step 4:

Install the provided pin retainer lock in the connector body. It simply snaps in to place.

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Nitro Dave's LLC accepts NO responsibility for injuries or damages resulting during and/or from the installation of any product(s). Nitrous oxide is for off-road use only.

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PTFE Hose End Installation Instructions

INSTALLATION INSTRUCTIONS

Tools Needed for Installation:

- 2 - 3/4" Wrenches
- These instructions will work with straight, 45° and 90° hose ends



- Put the female side of the hose end onto the fuel hose.



- Put the inner sleeve of the fitting on the end of the hose with the tapered end over the Teflon inner liner.



- Insert the male end into the open end of the hose.



- Using two 3/4" wrenches, thread the male and female ends together.

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