



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS

This Nitrous Outlet vehicle specific wiring harness is designed specifically for the 2016-2021 6th Gen Chevrolet Camaro. If you need any assistance during installation or if you have questions about this wiring harness, call our Tech Help Line at (254) 848-4300.

Tools Needed for Installation*:

- 7mm Deep Socket
- T25 Torx Bit
- Body Tool
- 8mm Wrench
- Ratchet
- Drill
- 1-1/4" Hole Saw
- 10mm Wrench
- 6" extension
- 10mm Deep Socket
- 1" Hole Saw
- 4mm Allen Wrench
- T50 Torx Bit
- 9/16" Wrench
- 5/16" Socket
- 7/32" Drill Bit

*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:

- Slide the passenger side front seat forward.



Step 2:

- Remove two T50 Torx bolts at the rear of the seat tracks.



Step 3:

- Recline the passenger side front seat and slide the seat back before disconnecting the battery.

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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 4:

- Open the trunk of your vehicle and remove the floor/spare tire cover.



Step 5:

- Using a 9/16" wrench, remove the 4 panel nuts holding the plastic panel at the rear of the trunk.



Step 6:

- Pull the bottom of the panel forward then pull up to remove it from the vehicle.



Step 7:

- Using a body tool, remove 3 of the push pins holding in the passenger side panel covering the battery.

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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



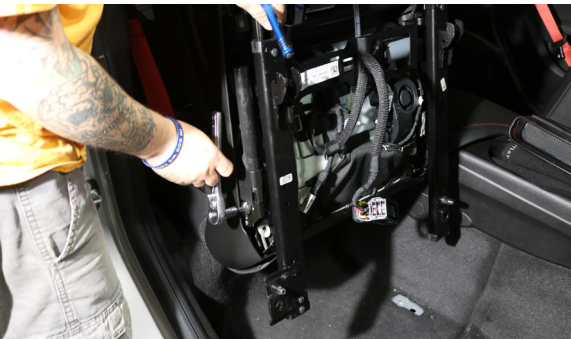
Step 8:

- From the back seat, lift the reclined front seat back and slide the front passenger seat assembly back to remove it from the vehicle. If your vehicle has a power passenger seat, remove the front cover on the front of the seat and disconnect the large yellow plug on the floorboard.



Step 9:

- Using a body tool, remove the plug harness clips from the seat frame.



Step 10:

- To get the seat belt unbolted lean the seat towards the console and you will see the T50 Torx to loosen. Unclip the spring-loaded connector protector to show the seatbelt sensor. Pull up on the orange safety clip and the connector will come unplugged.



Step 11:

- Slide the seatbelt out and remove the seat from the vehicle.

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.

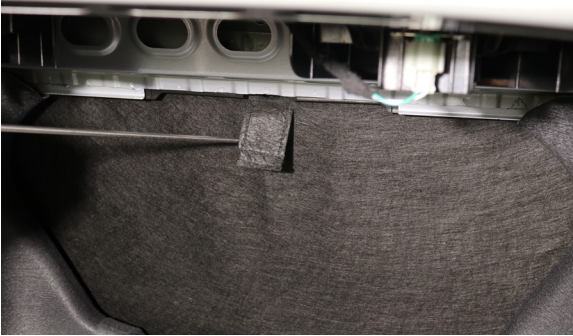
WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 12:

- Remove the rear seat back by pulling the strap on top of the seat then lifting from the bottom corners. It will slide up out of its slots.



Step 13:

- Remove the rear seat bottom by lifting the front of the seat in the middle of each seating position. Removing the cushion takes considerable force. There is a possibility that the clip will break.



Step 1:

- Remove the center panel behind the rear seat back by removing the two push pins with a body tool.



Step 14:

- Remove the additional push pins from the trunk side panel and remove it from the vehicle.

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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 15:

- Using a 10mm socket, loosen the nut and remove and remove the negative battery terminal.



Step 16:

- Unclip and remove the passenger side door sill/kick panel.



Step 17:

- Remove the front passenger side carpet by removing the push pin with the body tool. The carpet will lift out.



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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 18:

- Remove the push pin on the passenger side holding the backseat carpet and roll the carpet up toward the center console.



Step 19:

- Remove the electronics panel in the passenger footwell using a 7mm deep socket. There are 4 screws that are difficult to see. Unplug all devices and remove the panel from the vehicle.



Step 20:

- Locate the main power cable from the battery where it is routed through the passenger footwell. There is a plastic clip holding it to the firewall. Drill a 1-1/4" hole to the right of the clip and up 1.5 inches between the main power cable and the main wiring harness making sure not to drill through the large grommet for the harness. It is recommended that you trim back the insulation before drilling.

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.

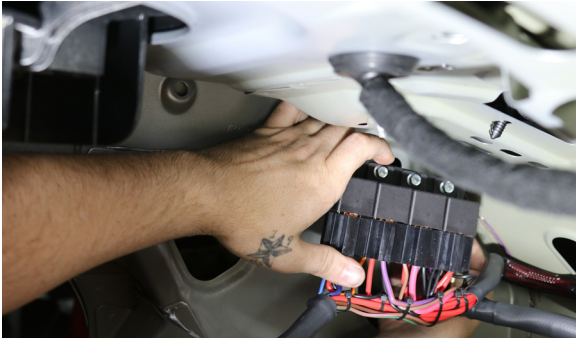
WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



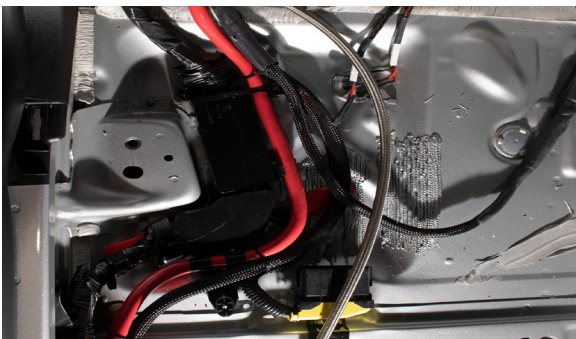
Step 21:

- Lay the wiring harness in the trunk and place the relay block on the rear wheelwell and the fuse block near the battery next to the body support. Take the other end of the harness and route it under the rear seat back support.



Step 22:

- Following the main power cable route the harness under the back seat and along the passenger floorboard.



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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 23:

Using the body tool, pry the shifter boot away from the console and pull the boot up toward the shift knob.



Step 24:

- **Manual Transmission** – Using a T25 Torx bit, remove the set screw holding the shift knob. Pull the shift knob and shifter boot straight up and off the shift lever.



Step 24a:

- **Automatic Transmission** - Using the body tool, release the clip holding the shift knob. Pull the shift knob and shifter boot straight up and off the shift lever.



Step 25:

- Using the body tool, remove the circular tab covering the rear mounting bolts on each side of the console.

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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 26:

- Using a 10mm socket, remove the mounting bolt on each side.



Step 27:

- Remove the side bolsters on each side of the console by lifting straight up.



Step 28:

- Using a 10mm socket, remove the two mounting bolts on each side.

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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

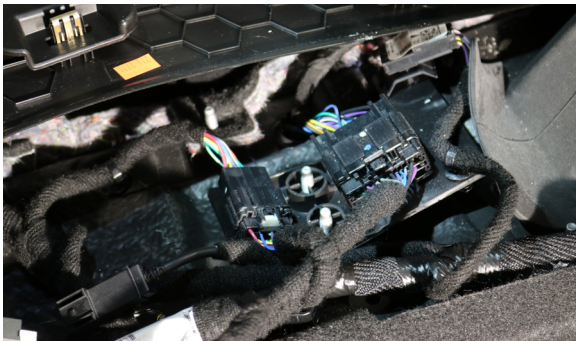
PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



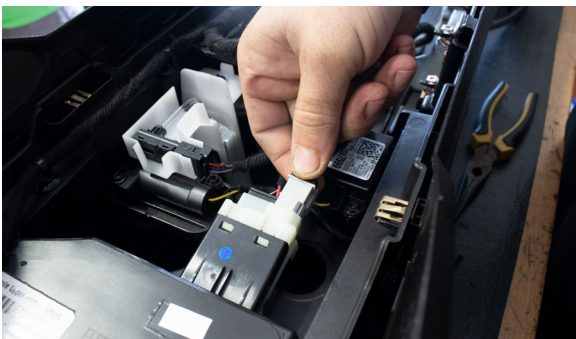
Step 29:

- Slide the console back, lift, and rotate to disconnect the three electrical connections underneath.



Step 30:

- Remove the console from the vehicle. Place the console, top down, on a level surface.



Step 31:

- Disconnect the two plugs on the back side of the USB port.

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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



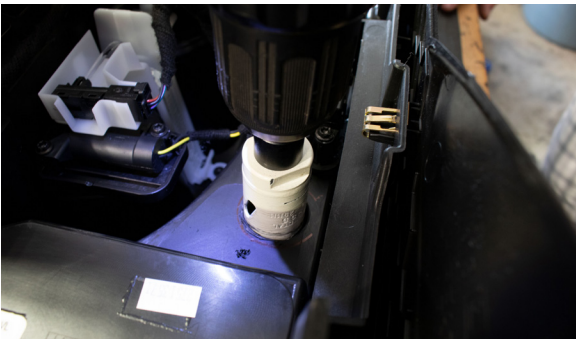
Step 32:

- Unclip the USB port and remove it from the console.



Step 33:

- Using a 1" hole saw, drill a hole 3/4" from the side and 1-1/2" from the back of the bottom side of the storage compartment.



Step 34:

- Reinstall the USB port in the console and reconnect the two plugs on the back side of the port.



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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 36:

- Route the wires for the switch panel under the rear carpet and toward the center of the console.



Step 35:

- Place the console back in the vehicle and reconnect the three stock electrical connections from Step 29.



Step 37:

- Pull the harness through console to back of switch panel and make connections per wiring diagram provided at the end of these instructions. The provided 90° flag terminals are to be used on the “Arm” and “Heater” activation switches for console clearance. The provided straight terminals can be used on the remaining activation switches.



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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 38:

- Route your wires for your ProMax or WinMax through the A-pillar and in to the glove box. Plug in your controller to the wiring harness.



Step 39:

- Route the wiring harness through the drilled hole in the passenger floorboard. Once the harness is completely through the hole, slide the 1-1/4" grommet into place to protect the harness. The grommet is on the harness.



Step 40:

- Route the wires for the solenoids up the firewall. Route the wires for the nitrous and purge solenoids across the passenger side valve cover.



Step 41:

- Route the wires for the fuel solenoid across the driver side valve cover. Use the installation guide in the back of these instructions to put the connectors on your solenoids. After the connectors are installed, plug them in to the leads of the wiring harness. There will be separate leads labeled 'Nitrous', 'Fuel', and 'Purge'.

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.

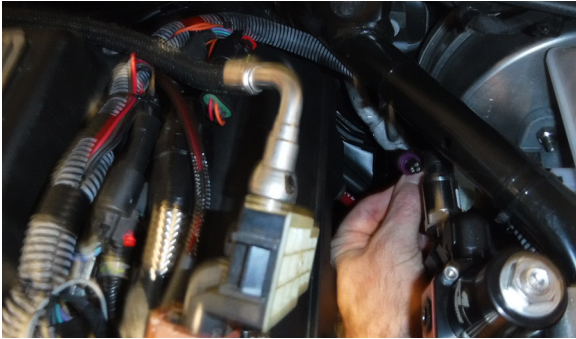
WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 42:

For ProMax:

- Plug in the fuel pressure sensor.

For WinMax:

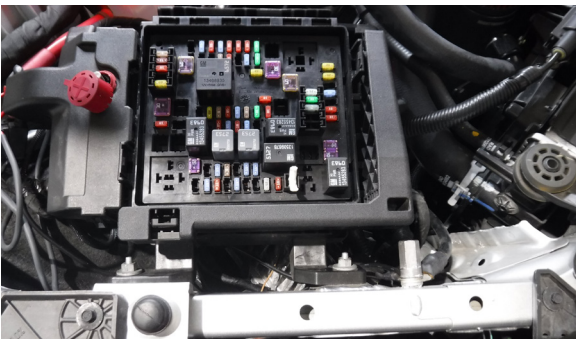
- Remove the jumper wire on the terminal ends of the fuel pressure safety switch wires then plug in the fuel pressure safety switch.

****Note:** If you are not using a fuel pressure safety switch, leave the jumper wire connecting the terminals for the switch.



Step 43:

- If using a timing retard controller, connect the retard output to the controller.



Step 44:

- Remove the under-hood fuse box cover.



Step 45:

- Using a 10mm wrench and 10mm socket, remove the 4 nuts holding the fuse box.

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.

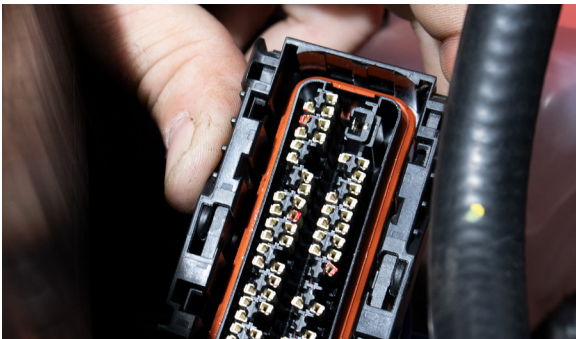
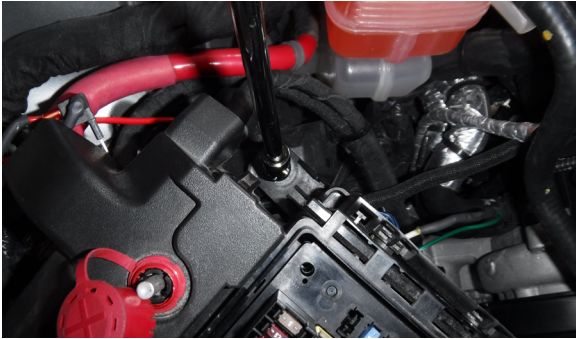
WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 46:

- Disconnect the 3 plugs in the ECM under the fuse box.

Pin in to ECM per pinout diagram.

Tachometer – x3 connector – Pin 30 Blue and Violet

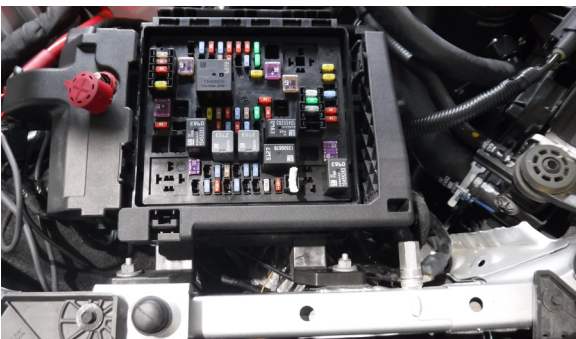
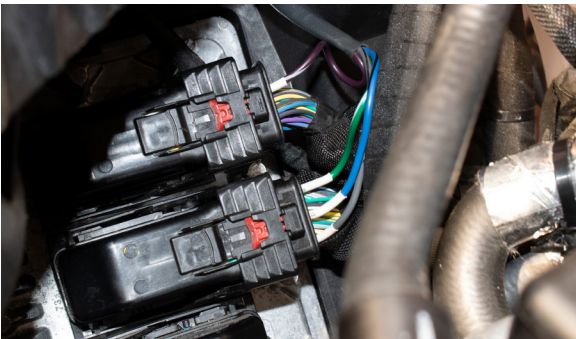
TPS – x1 connector – Pin 15 Yellow and White

MAP – x2 connector – Pin 43 Green and White

VSS – x2 connector – Pin 8 Green

Starting point for VSS settings – Hall Effect 4000 PPM

- Reconnect the plugs in the ECM.



Step 47:

- Reinstall the fuse box.

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.

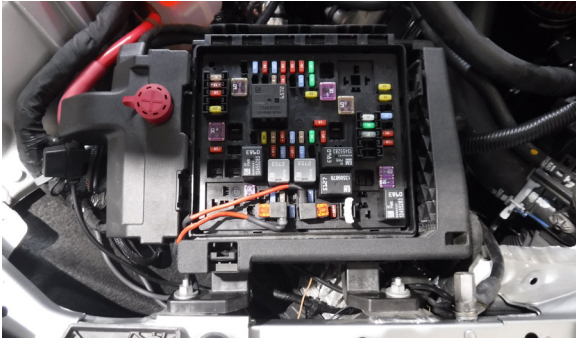
WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

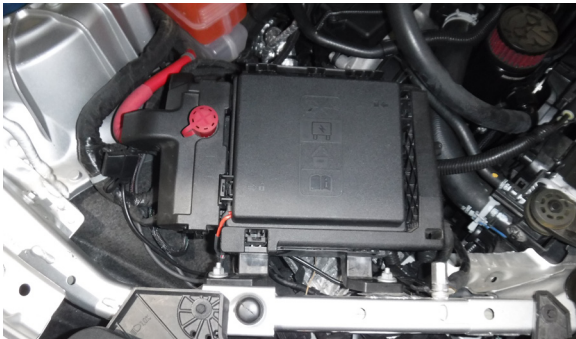
PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



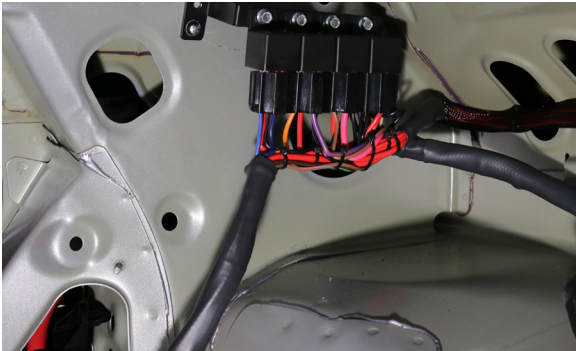
Step 48:

- Install the fuse tap for the keyed hot connection. 12v Source – Fuse tap F62 or F64 Ignition Coil Fuse



Step 49:

- Reinstall the cover on the fuse box.



Step 50:

- Align the relay bracket on the rear seat bulkhead in the upper right corner. Align the top of the relay bracket with the doubling plate on the seat bulkhead. Align the right side of the bracket on the right side of the trunk against the inner quarterpanel. Using the provided #10-16 x 3/4" long self-tapping screws and a 5/16" socket, mount the relay bracket to the rear seat bulkhead.



Step 51:

- Use the provided #10-16 x 1" long self-tapping screws and a 5/16" socket, to mount fuse block to the body support above the battery inside the passenger quarterpanel.

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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



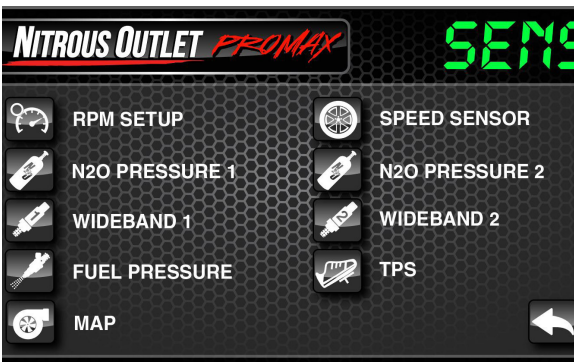
Step 52:

- Connect the harness power wire to the positive battery terminal.



Step 53:

- Reconnect the negative battery cable, include the wiring harness ground wire.



Step 54:

- Verify that tachometer, TPS, VSS, and MAP function properly.



Step 55:

- Reinstall the electronics in the passenger footwell.

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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 56:

- Reinstall the bolts for the console.



Step 57:

- Reinstall the side bolsters by sliding them down in to place.



Step 58:

- Reinstall the circular tabs covering the rear mounting bolts.



Step 59:

- Reinstall the passenger carpet and the door sill/kick panel.

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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 60:

- Reinstall the center panel behind rear seat.



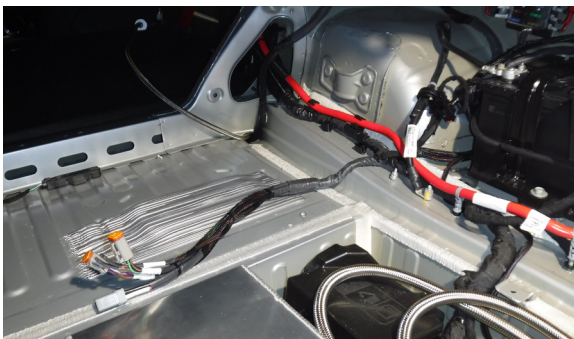
Step 61:

- Reinstall the trunk passenger side panel.



Step 62:

- Reinstall the rear seat bottom and rear seat back.



Step 63:

- In the trunk, run the wiring for the bottle heater, bottle opener, and nitrous pressure sensor along the trunk floor to the back of the bottle 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.

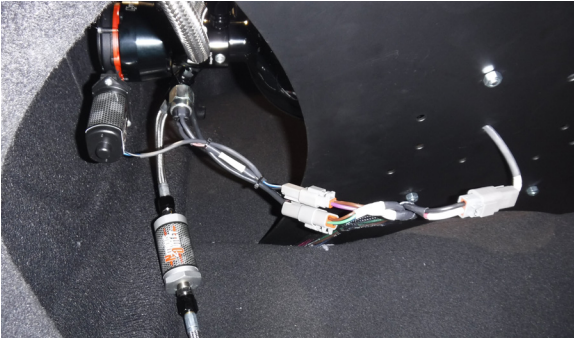
WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS



Step 64:

- Use the installation guide in the back of these instructions to put the connectors on your bottle heater, bottle opener, and nitrous pressure sensor. After the connectors are installed, plug them in to the leads of the wiring harness.



Step 65:

- Reinstall the rear trunk panel and trunk floor/spare tire cover.



Step 66:

- Reinstall the passenger seat.

CONCLUSION

With all components mounted and electrical connections completed, you have now completed this portion of your nitrous system installation.

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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES



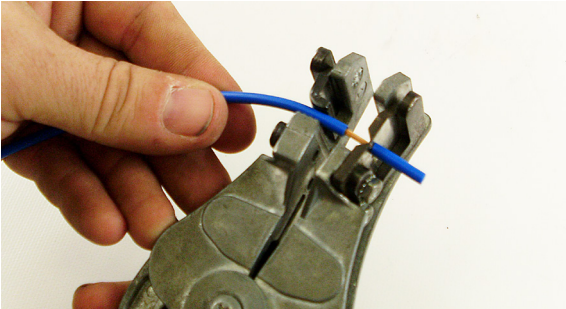
2016-2021 6th Gen Camaro Wiring Harness Installation

PART NUMBER 12-10117

INSTALLATION INSTRUCTIONS

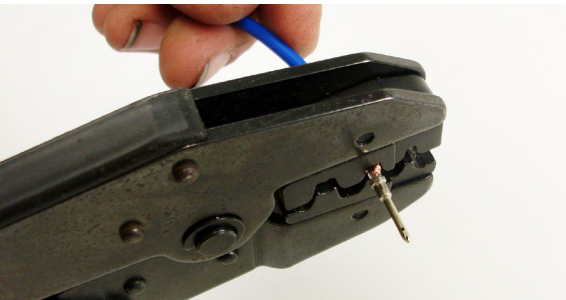
Deutsch Connector Assembly:

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.



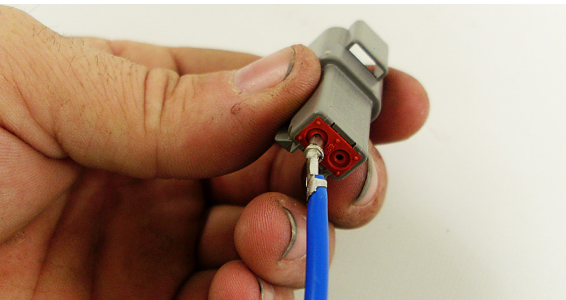
Step 1:

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



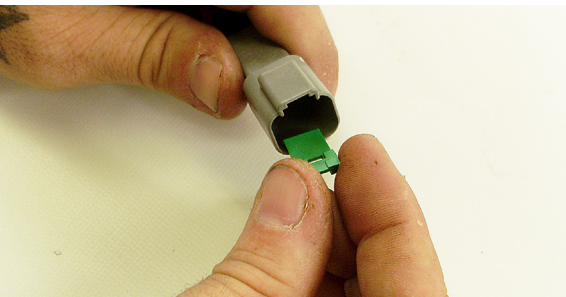
Step 2:

- 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.

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.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES