

2011-2017 Dodge Charger & Challenger SRT & 2015-2017 Jeep Grand Cherokee SRT 6.4L Hemi Complete Nitrous Kit 05182NOS / 05182BNOS



OWNER'S MANUAL

199R11637

CONGRATULATIONS on purchasing your NOS Nitrous Oxide Injection System! Your system is composed of the highest quality components available. It should provide many miles of trouble-free performance when used correctly. If you have any questions regarding the performance of your system, **call NOS Technical Service at 1-866-464-6553** or **for online help, refer to the Tech Service section of our website: www.holley.com.**

NOTICE: The installation of Nitrous Oxide Systems, Inc. products signifies that you have read this document and have agreed to the terms stated within.

It is the purchaser's responsibility to follow all installation instruction guidelines and safety procedures supplied with the product as it is received by the purchaser to determine the compatibility of the product with the vehicle or the device the purchaser intends to install the product on.

Nitrous Oxide Systems Inc. assumes no responsibility for damages occurring from accident, misuse, abuse, improper installation, improper operation, lack of reasonable care, or all previously stated reasons resulting from incompatibility with other manufacturers' products.

Nitrous Oxide Systems Inc. assumes no responsibility or liability for damages incurred by the use of products manufactured or sold by Nitrous Oxide Systems Inc. on vehicles used for competition or racing.

Nitrous Oxide Systems Inc. neither recommends nor condones the use of products manufactured or sold by Nitrous Oxide Systems Inc. on vehicles, which may be driven on public roads or highways, and assumes no responsibility for damages incurred by such use.

NOS nitrous oxide is legal for use in most states when used in accordance with state and local traffic laws. NOS does not recommend or condone the use of its products in illegal racing activities.

NOS has not pursued California Air Research Board (CARB) exemptions for its kits, hence, they are not legal for use on pollution-controlled vehicles in California. A correctly installed NOS nitrous system should not alter the emission control performance of your vehicle under standard EPA test cycle conditions.

HAZARDS DEFINED

This manual presents step-by-step instructions that describe the process of installing your NOS Nitrous Oxide Injection System. These procedures provide a framework for the installation and operation of this kit. Parts are referenced by name and number to avoid confusion. Within the instructions, you are advised of potential hazards, pitfalls, and problems to avoid. The following examples explain the various hazard levels:

WARNING! Failure to comply with instructions may result in injury or death.

CAUTION! Failure to comply with instructions may result in damage to equipment.

NOTE: This information is important, needs to be emphasized, and is set apart from the rest of the text.

HINT: These special instructions provide a handy work tip.

NITROUS OXIDE INJECTION SYSTEM SAFETY TIPS

WARNINGS

IT IS NOT LEGAL TO ENGAGE NITROUS OXIDE INJECTION SYSTEMS ON PUBLIC ROADS OR HIGHWAYS. NITROUS OXIDE INJECTION SYSTEMS ARE <u>ONLY</u> TO BE ENGAGED DURING SANCTIONED COMPETITION OR RACING EVENTS.

Do not attempt to start the engine if the nitrous has been injected while the engine was not running. Disable the ignition and fuel systems (consult owner's manual) and turn the engine over with the throttle wide open for several revolutions before attempting to start. Failure to do so can result in extreme engine damage.

Never permit oil, grease, or any other readily combustible substances to come in contact with cylinders, valves, solenoids, hoses, and fittings. Oil and certain gases (such as oxygen and nitrous oxide) may combine to produce a highly flammable condition.

Never interchange nitrous and fuel solenoids. Failure to follow these simple instructions can result in extreme engine damage and/or personal injury.

Never drop or violently strike the bottle. Doing so may result in an explosive bottle failure.

Never change pressure settings of safety relief valve on the nitrous bottle valve. Increasing the safety relief valve pressure settings may create an explosive bottle hazard.

Please note that the NOS bottle label has changed to a two-part assembly. The first label is already located on the bottle. Upon filling your bottle with nitrous oxide, apply the (second) material information label in the area indicated in the picture to the right.

NOTE: The material information decal is located in the same plastic bag as the bottle.

WARNING! Once the nitrous bottle has been filled, it must be shipped according to the applicable transportation and shipping regulations!

Do not deface or remove any markings, which are used for content identification.

Nitrous bottle valves should always be closed when the system is not being used.

Notify the supplier of any condition that may have permitted any foreign matter to enter the valve or bottle.

Keep the valves closed on all empty bottles to prevent accidental contamination.

After storage, open the nitrous bottle valve for an instant to clear the opening of any possible dust or dirt.

It is important that all threads on the valves and solenoids are properly mated. Never force connections that do not fit properly.



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WHAT IS NITROUS OXIDE?

NITROUS OXIDE...

- ...Is a cryogenic gas composed of nitrogen and oxygen molecules
- ...Is 36% oxygen by weight
- ...Is non-flammable by itself
- ... Is stored as a compressed liquid
- ... Exists in two grades—U.S.P. and Nitrous Plus:
- U.S.P. is medical grade nitrous oxide; its common use is dental and veterinary anesthesia. It is also commonly used as a propellant in canned whipped cream. U.S.P. is not available to the public.
- □ Nitrous Plus differs from U.S.P. in that it contains trace amounts of Sulphur dioxide added to prevent substance abuse. Nitrous Plus is intended for automotive applications and is available for sale to the public.

In automotive applications, Nitrous Plus and fuel are injected into the engine's intake manifold, producing the following results:

- Lowers engine intake air temperature, producing a dense inlet charge.
- Increases the oxygen content of the inlet charge (air is only 22 percent oxygen by weight).
- Increases the rate at which combustion occurs in the engine's cylinders.

DO'S AND DON'TS OF NITROUS OXIDE

Do's

- Read all instructions before attempting to install your NOS nitrous system.
- Make sure your fuel delivery system is adequate for the nitrous jetting you have chosen. Inadequate fuel pressure or flow will result in engine damage.
- ☐ Use 14 gauge (minimum) wire when installing electrical system components.
- Use high-quality connections at all electrical joints.
- Use PTFE-based paste on pipe-style fittings.
- Make sure your engine and related components (ignition, carburetor, and driveline) are in proper working condition.
- Do not attempt to start the engine if the nitrous has been injected while the engine was not running. Disable the ignition and fuel systems (consult owner's manual) and turn the engine over with the throttle wide open for several revolutions before attempting to start. Failure to do so can result in extreme engine damage.
- Use your NOS nitrous system only at wide-open throttle and at engine speeds above 3000 RPM.
- Install a proper engine to chassis ground. Failure to do so may result in an explosive failure of the main nitrous supply line.
- Use a high-quality fuel, as suggested in Chapter 3, Baseline Tuning Suggestions.

Don'ts

- Engage your nitrous system with the engine off. Severe engine damage can occur.
- Modify NOS nitrous systems (if you need a non-stock item, call NOS Technical Service for assistance)
- Overtighten AN type fittings.
- □ Use PTFE Tape on any pipe threads. Pieces of PTFE tape can break loose and become lodged in the nitrous or fuel solenoids or solenoid filters. Debris lodged in a nitrous or fuel solenoid can cause catastrophic engine failure.



- ☐ Use sealant of any kind on AN type fittings.
- Allow nitrous pressure to exceed 1100 psi. Excessive pressure can cause swelling or in extreme cases failure of the nitrous solenoid plunger. Solenoid plungers are designed so that pressure-induced failures will prevent the valve from operating. No leakage should occur with this type of failure.
- ☐ Inhale nitrous oxide. Death due to suffocation can occur.
- Allow nitrous oxide to come in contact with skin. Severe frostbite can occur.
- Use octane boosters that contain methanol. Fuel solenoid failure may occur, producing severe engine damage.

Chapter 1 Introduction to Your NOS Nitrous Oxide Kit

1.1 General Information

Kit Number 05182NOS/05182BNOS was engineered to be a clean, simple installation on a Chrysler vehicle with a 2011-2017 Chrysler 6.4L HEMI. Power output can be increased from 75 to 150 Rear Wheel Horse Power (RWHP) with the supplied jetting. The system can support up to 250+ RWHP with optional jetting, but be aware that an increase over 100 RWHP will require an upgrade to the OEM fuel system in the form of larger injectors, increased capacity fuel pump or a dedicated, stand-alone fuel system.

1.2 System Requirements

When used correctly, Kit Number 05182NOS/05182BNOS is designed to work with stock 6.4L Hemi internal engine and driveline components. The four jet combinations in this kit generate approximately 75, 100, 125, or 150 RWHP gains. Colder spark plugs (no platinum, Iridium or fine wire) are recommended. If the jetting is increased over 100 HP, it is necessary to upgrade the fuel delivery system to ensure safe operation.

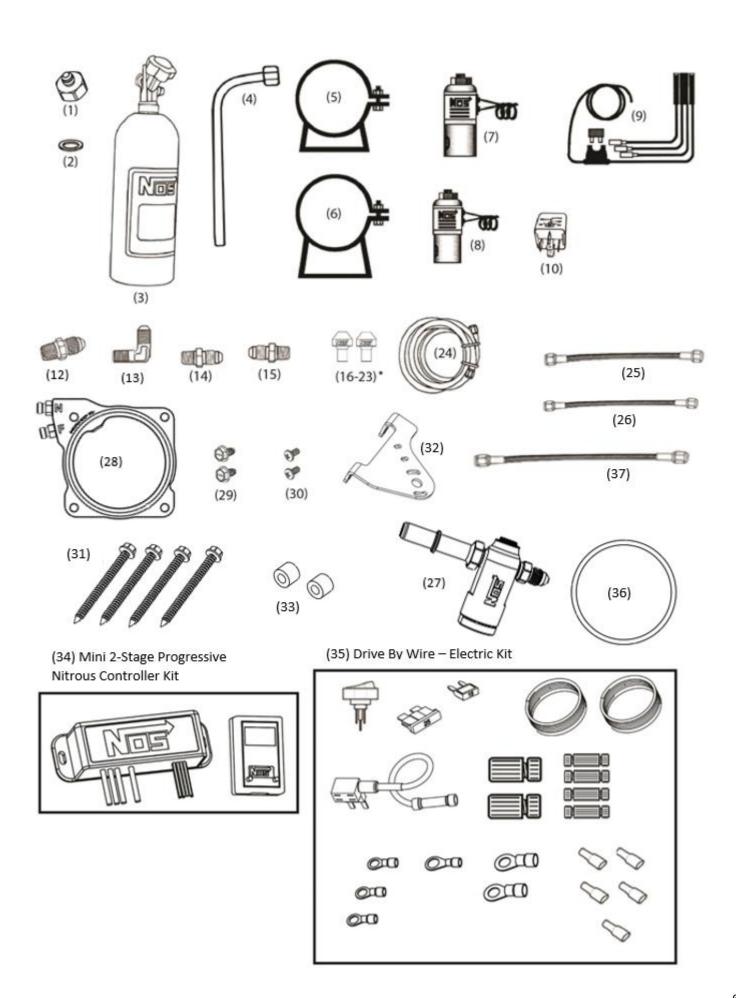
1.3 Kit Components

Before beginning the installation of your NOS kit, compare the components in your kit with those listed in **Table 1**. If any components are missing, please contact NOS Technical Support at 1-866-464-6553.

Table 1 Kit Number 05182NOS/05182BNOS Parts List (Kit Number 15182NOS contains parts with *)

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (12) (13) (14) (15) (16)*	Bottle Nut Adapter Bottle Valve Washer 10 lb. Bottle w/ racer safety Blow Down Tube Bottle Mounting Bracket, Short Bottle Mounting Bracket, Long N ₂ O Cheater Solenoid Cheater Fuel Solenoid Relay Wiring Harness 30 Amp Relay 6AN – 1/4NPT Nitrous Filter 4AN – 1/8" NPT 90 Deg Fuel Filter 3AN – 1/8" NPT Adapter	1 1 1 1 1 1 1 1 1 1	16230NOS 16210NOS 14745-TPINOS 16160NOS 14126-SNOS 14127-SNOS 18000NOS 18055NOS 15604-SNOS 15618NOS	16226NOS 16210NOS 14745B-TPINOS 16161NOS 14126-SNOS 14127-SNOS 18000BNOS 18055BNOS 15604-SNOS 15618NOS
(3) (4) (5) (6) (7) (8) (9) (10) (12) (13) (14) (15)	10 lb. Bottle w/ racer safety Blow Down Tube Bottle Mounting Bracket, Short Bottle Mounting Bracket, Long N ₂ O Cheater Solenoid Cheater Fuel Solenoid Relay Wiring Harness 30 Amp Relay 6AN – 1/4NPT Nitrous Filter 4AN – 1/8" NPT 90 Deg Fuel Filter 3AN – 1/8" NPT Adapter	1 1 1 1 1 1 1 1 1	14745-TPINOS 16160NOS 14126-SNOS 14127-SNOS 18000NOS 18055NOS 15604-SNOS 15618NOS 15564NOS	14745B-TPINOS 16161NOS 14126-SNOS 14127-SNOS 18000BNOS 18055BNOS 15604-SNOS 15618NOS
(4) (5) (6) (7) (8) (9) (10) (12) (13) (14) (15)	Blow Down Tube Bottle Mounting Bracket, Short Bottle Mounting Bracket, Long N ₂ O Cheater Solenoid Cheater Fuel Solenoid Relay Wiring Harness 30 Amp Relay 6AN – 1/4NPT Nitrous Filter 4AN – 1/8" NPT 90 Deg Fuel Filter 3AN – 1/8" NPT Adapter	1 1 1 1 1 1 1	16160NOS 14126-SNOS 14127-SNOS 18000NOS 18055NOS 15604-SNOS 15618NOS 15564NOS	16161NOS 14126-SNOS 14127-SNOS 18000BNOS 18055BNOS 15604-SNOS 15618NOS
(5) (6) (7) (8) (9) (10) (12) (13) (14) (15)	Bottle Mounting Bracket, Short Bottle Mounting Bracket, Long N ₂ O Cheater Solenoid Cheater Fuel Solenoid Relay Wiring Harness 30 Amp Relay 6AN – 1/4NPT Nitrous Filter 4AN – 1/8" NPT 90 Deg Fuel Filter 3AN – 1/8" NPT Adapter	1 1 1 1 1 1	14126-SNOS 14127-SNOS 18000NOS 18055NOS 15604-SNOS 15618NOS 15564NOS	14126-SNOS 14127-SNOS 18000BNOS 18055BNOS 15604-SNOS 15618NOS
(6) (7) (8) (9) (10) (12) (13) (14) (15)	Bottle Mounting Bracket, Long N ₂ O Cheater Solenoid Cheater Fuel Solenoid Relay Wiring Harness 30 Amp Relay 6AN – 1/4NPT Nitrous Filter 4AN – 1/8" NPT 90 Deg Fuel Filter 3AN – 1/8" NPT Adapter	1 1 1 1 1	14127-SNOS 18000NOS 18055NOS 15604-SNOS 15618NOS 15564NOS	14127-SNOS 18000BNOS 18055BNOS 15604-SNOS 15618NOS
(7) (8) (9) (10) (12) (13) (14) (15)	N ₂ O Cheater Solenoid Cheater Fuel Solenoid Relay Wiring Harness 30 Amp Relay 6AN – 1/4NPT Nitrous Filter 4AN – 1/8" NPT 90 Deg Fuel Filter 3AN – 1/8" NPT Adapter	1 1 1 1	18000NOS 18055NOS 15604-SNOS 15618NOS 15564NOS	18000BNOS 18055BNOS 15604-SNOS 15618NOS
(8) (9) (10) (12) (13) (14) (15)	Cheater Fuel Solenoid Relay Wiring Harness 30 Amp Relay 6AN – 1/4NPT Nitrous Filter 4AN – 1/8" NPT 90 Deg Fuel Filter 3AN – 1/8" NPT Adapter	1 1 1 1	18055NOS 15604-SNOS 15618NOS 15564NOS	18055BNOS 15604-SNOS 15618NOS
(9) (10) (12) (13) (14) (15)	Relay Wiring Harness 30 Amp Relay 6AN – 1/4NPT Nitrous Filter 4AN – 1/8" NPT 90 Deg Fuel Filter 3AN – 1/8" NPT Adapter	1 1 1	15604-SNOS 15618NOS 15564NOS	15604-SNOS 15618NOS
(10) (12) (13) (14) (15)	30 Amp Relay 6AN – 1/4NPT Nitrous Filter 4AN – 1/8" NPT 90 Deg Fuel Filter 3AN – 1/8" NPT Adapter	1 1	15618NOS 15564NOS	15618NOS
(12) (13) (14) (15)	6AN – 1/4NPT Nitrous Filter 4AN – 1/8" NPT 90 Deg Fuel Filter 3AN – 1/8" NPT Adapter	1	15564NOS	
(13) (14) (15)	4AN – 1/8" NPT 90 Deg Fuel Filter 3AN – 1/8" NPT Adapter			15564BNOS
(14) (15)	3AN – 1/8" NPT Adapter	1		1000-101100
(15)			15571NOS	15571BNOS
		1	17950NOS	17950BNOS
(16)*	3AN – 1/8" NPT Adapter	1	17951NOS	17950BNOS
	0.028" Flare Jet	1	13760-28NOS	13760-28NOS
(17)*	0.030" Flare Jet	1	13760-30NOS	13760-30NOS
(18)*	0.033" Flare Jet	1	13760-33NOS	13760-33NOS
(19)*	0.037" Flare Jet	1	13760-37NOS	13760-37NOS
(20)*	0.038" Flare Jet	1	13760-38NOS	13760-38NOS
(21)*	0.040" Flare Jet	1	13760-40NOS	13760-40NOS
(22)*	0.044" Flare Jet	1	13760-44NOS	13760-44NOS
(23)*	0.050" Flare Jet	1	13760-50NOS	13760-50NOS
(24)	6AN 14 ft. Hose	1	15475NOS	15475BNOS
(25)	Fuel Supply Line	1	15031NOS	15030BNOS
(26)	Nitrous Supply Line	1	15030NOS	15030BNOS
(27)	3/8 OE Fuel Line Adapter	1	17002NOS	17002NOS
(28)*	MOPAR Nitrous Plate	1	40R998A	40R1023A
(29)	Screws, Solenoid Mounting 10-32	2	16501-SNOS	16501-SNOS
(30)	Screws, Solenoid Mounting 8-32	2	16506-SNOS	16506-SNOS
(31)*	Throttle Body Screws for Composite Manifold	4	5R2546	5R2546
(32)	Solenoid Mounting Bracket	1	49R3422	49R3422
(33)	Solenoid Mounting Bracket Spacers	2	40R1002	40R1002
(34)	Mini 2-Stage Progressive Nitrous Controller	<u></u>	15974NOS	15974NOS
(35)	Drive By Wire – Electrical Kit	1	85R9801	85R9801
(00)	Rocker Switch	1		
	1/4" Ring Terminal – Red – 18-20 AWG	1		
	1/4" Female Spade – Red – 18-20 AWG	3		
	25 Amp Fuse ATC (large)	1		
	15 Amp Fuse ATM (mini)	1		
	Add-A-Fuse Tap for Mini ATM Fuses	<u>.</u> 1		
	Posi-Lock Splice Connector 22-20 AWG	4		
	5/16" Ring Terminal – Yellow – 10-12 AWG	2	1	†
+	5/16" Ring Terminal – Red – 18-20 AWG	1		†
+	Posi-Twist Connector 10-22 AWG	2		
-	Wire – Red – 20AWG	8ft		
	Wire – Ned – 20AWG Wire – Black – 20AWG	8ft		
(36)*	O-ring – Throttle Body	1	27R1110	27R1110
(37)	-4 AN 4-FT Fuel Supply Hose	1	15251NOS	15250BNOS

-Parts Shown are not to scale-



Chapter 2 Kit Installation

2.1 Bottle Mounting Instructions

Accurate calibration of your NOS nitrous system depends on the bottle remaining at a stable temperature. Mount the bottle away from heat sources, such as the engine compartment or exhaust system, and away from windows, where the bottle is exposed to direct sunlight.

2.2 Bottle Orientation

Bottle placement is critical to the performance of your NOS nitrous system. It is important to understand how the bottle valve and siphon tube are assembled to properly orient the bottle in your vehicle and ensure that it picks up liquid nitrous while undergoing acceleration. All nitrous bottles are assembled so that the bottom of the siphon tube is at the bottom of the bottle and opposite the bottle label (Figure 2).

Whenever the bottle is mounted in a lay-down position, the valve handle must be towards the front of the vehicle with the label facing up (Figure 3A).

If the bottle is mounted vertically, the valve handle and label must face toward the front of the vehicle (Figure 3B). This orientation will position the siphon tube at the back of the bottle where the liquid N₂O will be during acceleration.

WARNING! DO NOT attempt to remove the siphon tube without completely emptying the bottle of all N₂O and pressure.

A bottle mounted upside-down must have the siphon tube removed before use (Figure 3C). Non-siphon bottles can be specially ordered from NOS.

If the bottle must be mounted parallel to the axles of the vehicle (sideways), the valve handle and label must be angled at approximately 45° toward the front of the vehicle (Figure 3D). This orientation will position the siphon tube toward the rear of the bottle.

NOTE: When using a bottle with a siphon tube, the tall bracket should be at the valve end of the bottle and the short bracket at the bottom (Figure 3E).

The most efficient mounting is the lay-down position (Figure 3A) with the valve handle toward the front of the vehicle. This position allows the greatest amount of liquid to be used before the siphon tube begins to pick up gaseous nitrous oxide.

Find a position in the rear of your vehicle that meets your personal preference. Make sure that it meets the guidelines show in Figure 3.

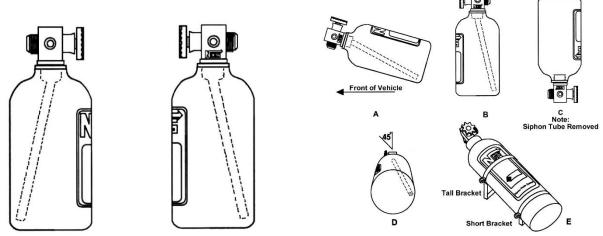


Figure 2 Nitrous Bottle Siphon Tube Orientation

Figure 3 Nitrous Bottle Mounting Orientations

2.3 Bottle Installation

Before mounting a nitrous bottle in a racing vehicle intended for use in sanctioned events, check with the sanctioning association for any rules regarding this subject. Most associations require the bottle to be mounted within the confines of the safety roll cage with the safety pressure relief cap vented away from the driver's compartment. This feature is included in the 05182NOS/05182BNOS kit.

- 1. Install the bottle nut adapter and washer on the nitrous bottle, and tighten securely.
- 2. Slip the bottle mounting brackets onto the nitrous bottle, as shown in Figure 3E.

- 3. Locate the bottle assembly in the desired mounting location, ensuring that the location will provide easy access to the bottle valve, hose connection, bracket clamp bolts to facilitate bottle changing and through hole of the blow-down tube.
- 4. Use the assembled bottle/bracket unit as a pattern to mark for drilling the holes. Drill four 11/32" holes in the mounting surface for the bottle bracket bolts. *Make sure the holes are in a position that does not damage other components.*

CAUTION! When drilling or punching holes for these fasteners, be aware what components, wires, hoses or fluid reservoirs are located or routed behind the general area to avoid vehicle or equipment malfunction.

- 5. Mount the brackets securely to the surface (recommended minimum of 5/16" bolts or No. 12 sheet metal screws).
- 6. Secure the nitrous bottle in the mounting brackets and tighten the bracket clamps.
- 7. Route the blow-down tube through the hole in the trunk, install and fasten to the fitting on the bottle valve.

2.4 Kit Plate Installation

WARNING! Do not smoke, carry lighted tobacco, or allow an open flame of any type when working on or near any fuel-related components. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in personal injury.

- 1. Disconnect negative cable at the battery.
- 2. Remove the engine cover(s) (if equipped).
- 3. Disconnect the Intake Air Temp (IAT) Sensor & PCV hose.
- 4. Using an 8mm or 5/16" nut driver, loosen the air inlet flex tube clamps. Remove the flex tube or entire air cleaner assembly. See **Figure 4**.



Figure 4 - Intake Tube Removal

5. Using an 8mm socket, remove the throttle body bolts and set throttle body aside. See **Figure 5**.

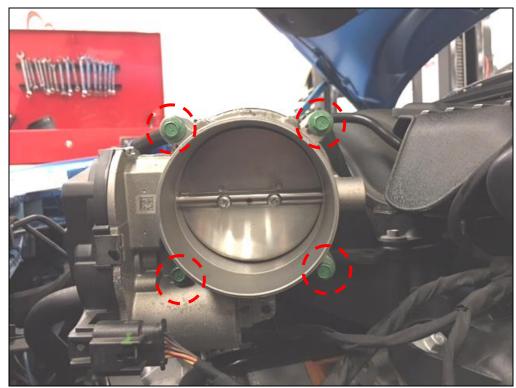


Figure 5 –Throttle Body Removal

6. Assemble the NOS nitrous plate between the intake manifold and the throttle body with the throttle body side facing outward away from the intake manifold. See **Figure 6**.



Figure 6 - Nitrous Plate Installation

7. Reinstall the throttle body using the new, longer, throttle body screws. Torque to 106 in./lbs. (~8.8 ft./lbs.).



Figure 7 - Installed Plate

8. Reinstall the air temp sensor, and PCV hose.

NOTE: Intake hose will need to remain off throttle body in order to successfully complete Mini 2-Stage programming.

2.5 Solenoid Mounting

- Apply a small amount of PTFE thread sealant to the NPT threads of the nitrous filter adapter (straight -6AN to 1/4NPT adapter with screen) and insert into the IN side of the nitrous solenoid. Use a bench vise to tighten the fitting at least 1-1/2 turns after finger tight. See Figure 8.
- Apply a small amount of PTFE thread sealant to the NPT threads of the nitrous outlet fitting (straight -3AN to 1/8NPT adapter)
 and insert into the OUT side of the nitrous solenoid. Use a bench vise to tighten the fitting at least 1-1/2 turns after finger tight.
 See Figure 8.





Figure 9

- 3. Apply a small amount of PTFE thread sealant to the NPT threads of the **fuel filter adapter** (90° -4AN to 1/8NPT adapter) and insert into the **IN** side of the fuel solenoid. Use a bench vise to tighten the fitting at least 1-1/2 turns after finger tight, **Figure 9** for alignment.
- 4. Apply a small amount of PTFE thread sealant to the NPT threads of the red fuel adapter and insert into the OUT side of the fuel solenoid. Use a bench vise to tighten the fitting at least 1-1/2 turns after finger tight, see Figure 9.
- 5. Attach the solenoids to the bracket as shown in Figure 10.



Figure 10 - Solenoid Alignment

6. Remove the two water pump housing bolts shown in **Figure 11** using a 13mm socket.

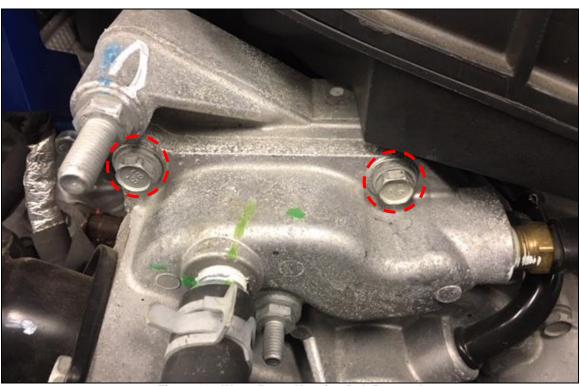


Figure 11 - Water Pump Housing Bolt Removal

7. Mount the bracket with the installed solenoids to the front of the engine on the passenger's side as shown in **Figure 12** using the supplied hardware and spacers.



Figure 12 - Solenoid Bracket Mounted Location

- 8. Next, choose the correct jetting per the power increase shown on page 18. (**NOTE:** NOS recommends starting with the lowest power level to ensure everything is set up correctly, then increasing the power to the desired amount after you have confirmed that the system is functioning correctly).
- 9. Attached the fuel and nitrous feed lines from the solenoids to the nitrous plate as shown in Figure 13.



Figure 13 - Installed Nitrous Solenoids

WARNING! Fuel in the fuel system remains under high pressure even after the engine is shut off. Before working on or disconnecting any of the fuel lines or fuel system components, the fuel pressure must be relieved. Failure to follow these instructions may result in personal injury.

- 10. Apply PTFE paste onto the threads of the supplied 1/8" NPT quick connect line adapter and 1/8 NPT to -4 adapter. Assemble the fuel tap as shown in **Figure 15.**
- 11. To tap into the factory fuel system remove the red plastic clip located on the fuel rail inlet hose end. Wear gloves and prepare a rag to place over the hose end to keep fuel from spraying out. Press the release on the side of the hose end and pull away from the engine slowly. You will hear the fuel depressurize and the rag will become saturated with fuel. The hose end is now safe to remove.

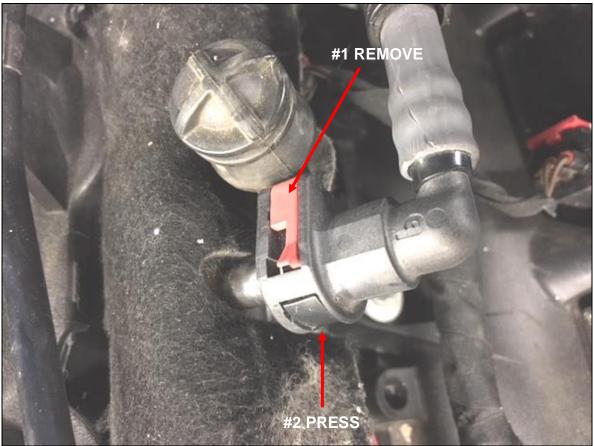


Figure 14 - OE 3/8" Fuel Hose End

12. Next Install the NOS 3/8" Fuel Tap as shown in **Figure 15**. And reinstall the OE fuel hose end. Be sure to reinstall the plastic red clip.



Figure 15 - Installed NOS 3/8" Fuel Tap

13. Finally route the fuel feed hose around the back of the engine, between the intake manifold and valve cover, and to the 90° male - 4AN adapter. Be sure to keep the fuel feed hose away from moving objects, & excessive heat (Figure 16). NOTE: Be aware that some pressurized fuel can come out of the hose so use caution when running this hose to your solenoid.



Figure 16 - Fuel Hose Route Path

14. Attach the -6AN nitrous supply line from the bottle to the nitrous straight adapter on the IN port of the nitrous solenoid.

2.6 Electrical System

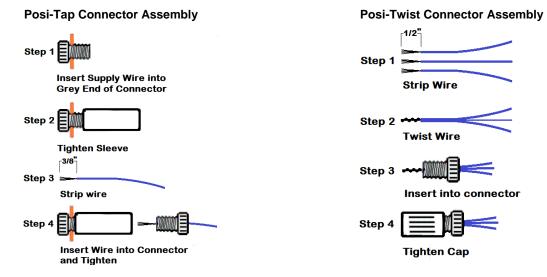
Refer to Figure 17 and the procedures in this section for electrical system installation.

WARNING! Death or injury may occur from working on a charged electrical system.

- 1. Disconnect the ground cable from the battery.
- 2. Install the NOS arming switch in the vehicle's interior, within easy reach of the driver, and route the provided red and black wires from the switch to the power distribution box on passenger's side of the engine bay.
 - 2.1 There is a body grommet located on the vehicles fire wall, locate it and use this to access the engine bay from the vehicles cabin.
- Install the relay in the engine compartment so the relay connector's orange wire will reach the battery (+) terminal located at the front of the main fuse/relay box.
- 4. Install the NOS 2-stage mini progressive controller in the engine compartment near the main fuse/relay box and route the white wire to the master arming switch in the vehicle interior. This is also a good time to route the USB cable into the interior if desired.
 - 4.1 Note; the progressive controller can be mounted with Hook & Loop, or double sided tape to the side of the fuse box between the box and fender. This allows any excess wire to be positioned below the controller under the fuse box.
- 5. Connect the orange relay wire (with fuse) to the battery (+) terminal located at the front of the main relay/fuse box.
- 6. Connect one wire from the nitrous solenoid together with the large <u>blue</u> wire from the mini 2-stage progressive controller, using one of the provided Posi-Twist connectors (see assembly diagram **Figure 17**).

- 7. Connect one wire from the fuel solenoid together with the large <u>red</u> wire from the mini 2-stage progressive controller, using one of the provided Posi-Twist connectors (see assembly diagram **Figure 17**).
- 8. Connect the green relay wire to a good chassis ground.
 - 8.1 An engine to chassis ground cable is located on the shock tower, behind the fuse box. This is an ideal location to connect the green relay and large black progressive controller wires using the suppled ring connectors.
- 9. Connect the red relay wire to the white wire (same wire as described in step 4 above) between the master arming switch ("Load") and the 2-stage mini controller using one of the provided Posi-Tap connectors (see assembly diagram below). This tap can be installed close to the Mini 2-Stage Controller in the engine bay.
- 10. Connect the "Supply" terminal (supplied red wire from step 2) on the master arming switch to the blue crimp connector on the provided Add-A-Tap fuse holder. Find a suitable 15 amp fused circuit in the main fuse/relay box in the engine bay to plug into. Install both the supplied 15 amp mini fuse and the fuse removed from the fuse box into the Add-A-Tap fuse holder.
 - 10.1 Ensure the chosen switched power supply 15 amp fuse location is powered only in the ON/RUN position of the ignition. This can be verified by using a test light before connecting the Add-A-Tap fuse holder.
 - 10.1.1 Fuse number 2 & 5 are good candidates for use with the Add-A-Tap fuse holder.
- 11. Connect the digital ground (small black) wire to a clean ground not shared with high voltage grounds. This is the same wire from step 2 above, the wire from the Earth terminal will be T-taped into this wire using the Posi-Tap connector.
- 12. Connect the "Earth" terminal on the master arming switch (supplied black wire from step 2) to the digital ground wire coming from the 2-stage mini controller (small black wire) using one of the provided Posi-Tap connectors (see assembly diagram below).
- 13. Connect the 2-stage mini progressive ground (large black wire) to a good battery/engine ground using the suppled ring lug connector.
- 13.1 It is important to ensure that a good ground path to the battery is used. This is the high current ground used by the fuel and nitrous solenoids.
 - 13.1.1 An engine to chassis ground cable is located on the shock tower, behind the fuse Box. This is an ideal location to connect the green relay and large black progressive controller wires using the suppled ring connectors.
- 14. Using a supplied Posi-Tap connector, connect the green tach signal wire from the 2-stage mini progressive controller to the #2 or #4 coil driver signal wire (#1-Dark Blue & Tan, #3-Dark Blue & Grey). This will be one of the wires on the 4 wire connector located on the ignition coil.
- 15. Using a supplied Posi-Tap connector, connect the white with blue stripe TPS signal wire from the 2-stage mini progressive controller into the TPS signal wire on the throttle body. This will be a **brown and orange wire** located on the connector at the passenger's side of the throttle body.
- 16. Install the relay into the relay connector and reconnect the battery.

NOTE: When connecting the battery, be aware of any excessive arcing or sparks from the battery to the negative cable. This could be an indication of a wire that has been shorted to ground.



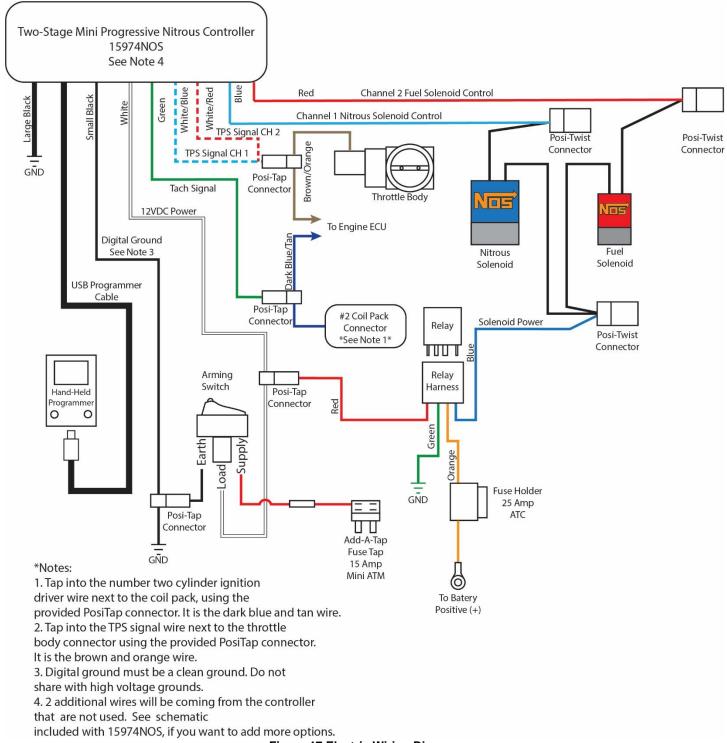


Figure 17 Electric Wiring Diagram

2.7 Preparing for Operation

- 1. Install a fully charged nitrous bottle. The pressure gauge should read 900-1000 psi at operating temperature/pressure.
- 2. Slowly open the nitrous bottle valve while listening and looking for any leaks at the bottle fittings as well as the fittings on the solenoids in the engine compartment.
- 3. If no leaks are found, slightly loosen the -6 AN supply line fitting at the blue nitrous solenoid. Allow the air to leak from the fitting until nitrous starts to fog out, then retighten the fitting. NOTE: Nitrous is very cold and can cause burning and irritation to the skin, we recommend wearing gloves during this procedure.
- **4.** Turn the ignition power to the ON position, but do not start the car.

- 5. Turn the Master Enable switch to the ON position. The red LED should be on now.
- **6.** Connect the hand held programmer to the USB cable and program the unit to the recommended base settings shown in section 2.7.1. Additional instructions are included with the 2-stage mini progressive controller for creating custom settings.
- 7. Once programming is complete, turn the ignition switch off for 10 seconds, then back to the ON positon; do not start the engine yet.
- 8. Verify the programmer display shows an "r r". If display show any other values than "r r", refer to page 2 of the Mini 2-Stage controller instructions for more information.
- **9.** You are now ready to drive the car and test the operation of the nitrous system.
- WARNING! It is VERY important to use caution and good safety practices when testing and using any nitrous oxide system. We do <u>not</u> recommend the use of nitrous on any public streets or highways. It is recommended to only test and use nitrous in a controlled, closed course location, such as a race track.
- WARNING! Never activate nitrous with the vehicle in "NEUTRAL" or "PARK"!
- WARNING! Never activate nitrous at engine speeds below 3000 RPM, or engine damage may result!
- WARNING! SEVERE ENGINE DAMAGE MAY OCCUR IF NITROUS IS ACTIVATED WHILE TRACTION CONTROL DEVICES ARE ENABLED. TRACTION CONTROL DE-ACTIVATION MUST BE CYCLED EVERY TIME THE IGNITION SWITCH IS CYCLED.

2.7.1 Programming the Mini 2-Stage Progressive Controller

The following settings are a good baseline from which to start. Additional or Custom settings can be programed by following the User Guide supplied with the Mini 2-Stage controller.

<u>Switch #1</u> – toggles through the configuration menu. As you toggle through the configuration menu, the stored value will be displayed. Use this switch to toggle to the next step in programming mode (Press switch #1, 2 times).

Switch #2 - increments the flashing value that was selected by switch #1.

<u>LED A.B.C</u> – displays the configuration step number and its setting A = this is the step being programmed

B & C = value for the current configuration step





To enter the programming mode:

Press and hold both switches until "Pro" is displayed. Now release the switches and the unit will automatically go to the first configuration step.

STEP F. SOLENOID FREQUENCY (Hz) = 20 Display reads: F.20

STEP C.RPM SIGNAL SET-UP = 00 Display reads: C.00

STEP P. RAMP PAUSE MODE = 00 Display reads: P.00

STAGE 1 NITROUS SOLENOID CONTROL

1. **ACTIVATION RPM = 40 (4000rpm)**

NOTE: This setting can range from a minimum of any RPM greater than 0 rpm (3000 rpm recommended) up to a maximum of 9900 rpm.

Display reads: 1.40

2. DEACTIVATION RPM = 65 (6500rpm) Display reads: 2.65

NOTE: This setting should be set to 200 RPM below engine rev limiter (maximum of 9900 rpm).

3. DELAY TIME = 00 (zero seconds) Display reads: 3.0.0

4. START % = 20 (20%) Display reads: 4.20

5. $RAMP\ TIME = 00\ (2.0\ seconds)$ Display reads: 5.2.0

6. END % = 99 (99%) Display reads: 6.99

NOTE: (99% = 100 %)

7. CONTROL OUTPUT DELAY TIME = 00 Display reads: 7.0.0

8. TPAS MODE = 02 (90% of WOT voltage) Display reads: 8.02

9. TPS SETTING = see below to calibrate this setting

Press switch #2 to read and display the TPS signal. Momentarily open the throttle blade by hand, to reach 100% throttle – the unit only needs to see WOT for a fraction of a second. Now press switch #1 to save the displayed value. (You do not have to be at WOT when you press switch #1 to save.) *Engine should not be running, but ignition must be ON! Wait to install intake hose until stage 2 is complete.*

STAGE 2 FUEL SOLENOID CONTROL

1. ACTIVATION RPM = 38 (3800rpm)

NOTE: This setting can range from a minimum of any RPM greater than 0 rpm (3000 rpm recommended) up to a maximum of 9900 rpm.

Display reads: 1.38

2. DEACTIVATION RPM = 65 (6500rpm) Display reads: 2.65

NOTE: This setting should be set to 200 RPM below engine rev limiter (maximum of 9900 rpm).

3. DELAY TIME = 00 (zero seconds) Display reads: 3.0.0

4. START % = 20 (20%) Display read: 4.20

5. RAMP TIME = 20 (2.0 seconds) Display reads: 5.2.0

6. END % = 99 (99%) Display reads: 6.99

NOTE: (99% = 100 %)

7. CONTROL OUTPUT DELAY TIME = 00 Display reads: 7.0.0

8. TPAS MODE = 02 (90% of WOT voltage) Display reads: 8.02

9. TPS SETTING = see below to calibrate this setting

Press switch #2 to read and display the TPS signal. Momentarily open the throttle blade by hand, to reach 100% throttle – the unit only needs to see WOT for a fraction of a second. Now press switch #1 to save the displayed value. (You do not have to be at WOT when you press switch #1 to save.) *Engine should not be running, but ignition must be ON! You may now install the intake tube onto the throttle body and secure it.*

NOTE: Activating the fuel solenoid before the nitrous solenoid allows the system to recover from the initial drop in fuel pressure, this avoids a lean condition and allows for the most optimal conditions for the nitrous.

NOTE: The user must continue through the setup for stage 1 and stage 2 until they see END. If the power is shut off, or the system reset in any way, the changes will not be saved.

Chapter 3 Tuning

Table 2 Tuning Suggestions for NOS Kit Number 05182NOS/05182BNOS

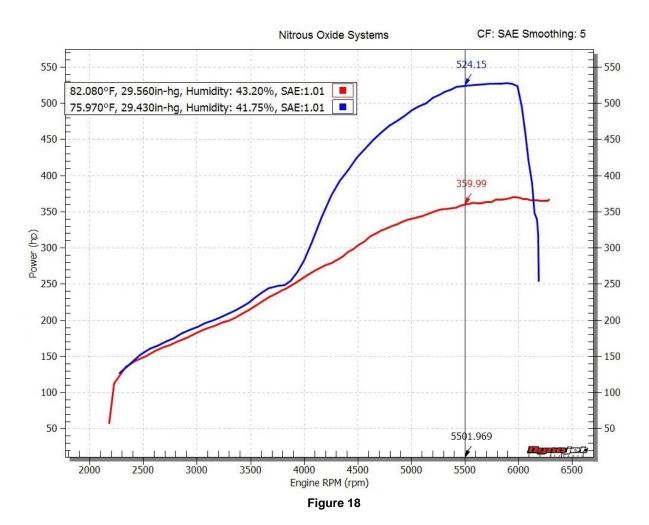
Configuration	N₂O Jetting	Fuel Jetting
75 RWHP*	37*	28*
100 RWHP*	40*	30*
125 RWHP**	44*	33*

Configuration	N₂O Jetting	Fuel Jetting
150 RWHP**	50*	38*
175 RWHP**	58	44
200 RWHP**	67	51

*Jetting Included in kit **May require an upgraded fuel system

NOTE: It is recommended to install one to two steps colder, non-projected tip, non-Iridium or other fine wire spark plugs when using Nitrous Oxide.

Figure 18 shows a 164 Rear Wheel Horsepower increase on Holley's Dynojet Chassis Dyno. This test was ran on a 2006 Chrysler 300C with a 6.1L Hemi using 108 octane race fuel, Brisk RR12S spark plugs, Hooker Black Heart Exhaust, stock fuel injectors and <u>upgraded 6.4L hemi fuel pump</u>. This power level is at the <u>extreme limit</u> of the OEM fuel system. We HIGHLY recommend upgrading the fuel pump before attempting to run this power level. Severe engine damage can result from running this power level with an OEM fuel system.



Chapter 4 Determining Optimum System Performance

The jetting combinations included in your 05182NOS/05182BNOS kit are intended to generate power gains of 75-150 HP. These combinations are designed to be used with 950 psi of nitrous bottle pressure and 60 psi of flowing fuel pressure. Spark plug inspection and/or the use of a wide-band O_2 sensor can determine optimum system performance. Inspection of the spark plugs should be done on a consistent basis.

Perform a dynamometer pull or a full throttle pass down the racetrack. Note the power reading or vehicle mph (not e.t.). Examine
the spark plugs for an indication of lean or rich nitrous/fuel conditions (refer to Figure 19 for tips on reading the spark plugs). For
this application, the air/fuel mixtures at WOT tend to be very rich in stock form. You may wish to examine a plug after a NO-nitrous
pass or dyno pull for comparison purposes.

CAUTION! Terminate test immediately if pinging, knocking, detonation is noticed during the test. If engine does not pull hard (expected HP or torque gains are not observed), terminate test and investigate before continuing.

- 1A. If spark plugs appear to be excessively rich, decrease the fuel jet size 1 step (ex. 28 to 26 or 26 to 24).
- 1B. If spark plugs appear to be excessively lean, increase the fuel jet size 1 step.
- 1C. If spark plugs have a "like new" appearance on the porcelain and electrode, do not make a fuel jetting change.
- 2. Repeat these steps until the desired mixture is obtained.

How to Read Spark Plugs from a Nitrous Oxide Injected Engine

A. Correct Timing, Mixture, and Spark Plug Heat Range

The ground strap retains a "like new" appearance. The edges are crisp, with no signs of discoloration. The porcelain retains a clear white appearance with no "peppering" or spotting.

B. Excessively Rich Mixture

The porcelain may be fuel stained, appearing brown or black. In extreme cases, the ground strap, electrode, and porcelain may be damp with gasoline, or smell of fuel.

C. Detonation

The edges of the ground strap may become rounded. The porcelain has the appearance of being sprinkled with pepper, or may have aluminum speckles. During heavy detonation, the ground strap tip may burn off. This phenomenon can result from excessive ignition timing, too high a heat range spark plug, inadequate fuel octane, or excessively lean mixture.

D. Excessively Lean Mixture

The edges of the ground strap may become rounded. Under moderate overheating, the tip of the ground strap can discolor, usually turning purple, or the entire ground strap can become discolored.

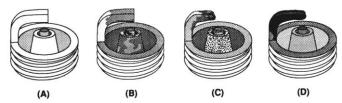


Figure 19 Spark Plug Condition

Chapter 5 Alternate Sensor, Actuator, and Switch Components

- In some racing applications, "pushbutton solenoid" activation is preferred. In such instances, the solenoid is connected to ground via a pushbutton momentary switch P/N 15610NOS. For information on wiring options, please call NOS Technical Support at 1-866-464-6553.
- 2. Almost all multi-point fuel injection systems are provided with throttle position sensors. NOS has throttle position sensor controllers that activate the solenoids, according to the sensor voltage output. This form of solenoid activation procedure is commonly referred as "TPS activation". Such devices are more accurate than the microswitch. For P/Ns on TPS switches and information on wiring options, please call NOS Technical Support at 1-866-464-6553.
- 3. NOS offers fuel pressure safety switches. These switches only allow the nitrous and fuel solenoid to be activated, if a safe fuel pressure is existent in the enrichment fuel supply system. For information on pressure safety switches and information on wiring options, please call **NOS Technical Support at 1-866-464-6553.**
- 4. Activation of nitrous at low RPM levels can be detrimental to the engine performance and engine life. The RPM window activation switch only allows the nitrous and fuel solenoid to be activated if a safe RPM value has been reached. Some factory engine control units cut off the ignition if a maximum RPM level is reached. Although the engine is still at WOT and the solenoids are activated no nitrous and fuel is combusted. When the engine reaches safe RPM levels ignition is restored but excess fuel and nitrous are present in the manifold. Some applications may even cut the fuel injector to limit engine RPM. Because the engine is at WOT, the nitrous solenoid is still open thus generating an extreme lean condition. Under both conditions engine damage might occur. The RPM window activation switch cuts off the supply of fuel and nitrous until safe RPM levels are reached. The low and high RPM values can be trimmed according to the application. For information on pressure safety switches and wiring options, please call NOS Technical Support at 1-866-464-6553.

Chapter 6 Routine Maintenance

6.1 Nitrous Solenoid Filter

When nitrous bottles are refilled, they can become contaminated with debris if the refiller does not have adequate filtration in his transfer pump mechanism. Contaminants in the bottle will eventually become lodged in the nitrous solenoid filter fitting. *Call 1-800-99-REFILL (1-800-997-3345) for bottle refill location information.*

You should periodically (after every 20-30 pounds of nitrous usage) examine the mesh in the nitrous filter for debris.

To clean the filter, follow the following steps:

- 1. Close the valve on the nitrous bottle.
- Empty the main nitrous feed line.

- 3. Disconnect the main nitrous feed line from the nitrous solenoid.
- 4. Remove the nitrous filter fitting from the nitrous solenoid.
- 5. Remove all PTFE paste debris from the solenoid inlet port threads and from the nitrous solenoid filter pipe threads.
- 6. Examine the mesh in the nitrous filter fitting for contaminants. Blow out debris with compressed air, if necessary.
- 7. Apply fresh PTFE paste to the nitrous filter pipe threads. Reinstall the filter in the nitrous solenoid.
- 8. Reconnect the main nitrous supply line to the nitrous solenoid.

6.2 Nitrous Solenoid Plunger

6.2.1 General Information

The seals used in NOS nitrous solenoid plungers are constructed from materials which are designed to be used with nitrous oxide. When kept free from fuel contaminants or from over pressurization, they should provide trouble free performance.

You should periodically (after every 20-30 pounds of nitrous usage) examine the seal in the nitrous solenoid plunger. The seals used in NOS nitrous solenoid plungers are designed to work at pressures up to 1100 psi. Exposing the plunger to excessive pressure (whether the vehicle is sitting or in-use) can result in the seal in the plunger swelling or in extreme cases disintegrating.

NOTE: The seals are designed so that if they fail due to over pressurization, they will not leak, the valve will just fail to flow nitrous oxide.

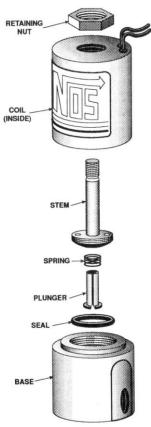
Swelling of the nitrous solenoid plunger seal will reduce nitrous flow (causing an excessively rich nitrous/fuel condition and a loss of power).

6.2.2 Nitrous Solenoid Plunger Disassembly and Inspection

- 1. Close the valve on the nitrous bottle.
- 2. Empty the main nitrous supply line.
- 3. Remove the retaining nut from the nitrous solenoid.
- 4. Remove the coil and housing from the nitrous solenoid base.
- Unscrew the stem from the nitrous solenoid base. Do this by double nutting the stem, or by using a solenoid stem removal tool.
 Do not use pliers on the solenoid stem. Damage to the stem will result.
- 6. Remove the stem, spring, and plunger from the solenoid base.
- 7. Examine the plunger seal for swelling. The seal surface should be flat, except for a small circular indentation in the center of the seal:

A fuel-contaminated seal will protrude from the plunger and be dome-shaped. A fuel-contaminated seal may return to its original shape if left out in the fresh air for several days. It may then be returned to service.

A seal, which has been over-pressurized, may be dome-shaped, or the sealing surface may be flat with the seal protruding out of the plunger. A dome-shaped seal may return to its original shape if left out in the fresh air for several days. It may then be returned to service. A seal, which is flat, but protrudes from the plunger body has probably failed internally and should be replaced.



Exploded View of a Typical Solenoid

Appendix A Troubleshooting Guide

The troubleshooting chart on the following pages should help determine and rectify most problems with your installed NOS system. If you still need assistance determining or fixing problems, call NOS Technical Support Department at 1-866-464-6553.

PROBLEM	POSSIBLE CAUSES	DIAGNOSTIC PROCEDURE	CORRECTIVE ACTION
	System wired incorrectly.	Compare wiring to schematic.	Wire per instructions.
No change in engine	Restricted fuel line.	Inspect fuel line for restrictions (crimped or plugged).	Remove restrictions.
speed when the system is activated.	Malfunctioning fuel solenoid.	Remove and inspect solenoid.	Repair/replace solenoid.
	Malfunctioning nitrous solenoid.	Remove and inspect solenoid.	Repair/replace solenoid.
	Bottle valve not fully opened.	Check bottle valve.	Open valve fully.
	Bottle mounted improperly.	Check bottle orientation.	Mount bottle properly.
	Plugged nitrous filter.	Inspect filter.	Clean/replace filter.
	Low bottle pressure.	Check bottle temperature.	Set bottle temperature to 80° to 85°F.
Engine runs rich when	Inadequate nitrous supply.	Weigh bottle.	Fill bottle. 1-800-997-3345 for refills nearest you.
system is activated.	Mismatched N ₂ O/fuel jetting.	Compare jetting to recommended values.	Install correct jets.
	Excessive fuel pressure.	Install fuel pressure gauge in the fuel line. Measure the pressure during acceleration, with the system activated.	Regulate pressure down, or install smaller fuel jetting.
	Loose nitrous solenoid wiring.	Inspect the solenoid wiring.	Repair wiring.

	1	WARNING: Solenoid discharges nitrous	
	Malfunctioning nitrous solenoid.	at a high rate. Don't inhale nitrous; death may occur. Skin contact may cause frostbite. Close bottle valve. Disconnect the solenoid outlet port. Disconnect the solenoid (+) lead. Open the nitrous bottle valve. Briefly connect the +12V to the solenoid. Solenoid should discharge N ₂ O at a high rate.	Repair/replace solenoid.
	System wired incorrectly.	Compare nitrous wiring to schematic.	Wire system per instr.
	Loose ground wire(s).	Connect 12V test light to battery (+) terminal. Check for continuity at grounds noted in schematic.	Tighten/repair loose ground(s).
	No power to arming switch.	With vehicle ignition on, connect 12V test light to battery (-) terminal. Check for power at pole #1 on arming switch.	Repair wiring.
No change in	Damaged fuse in switched power (15 amp)	Remove and inspect 15 amp fuse	Replace Fuse
performance when system is activated.	Damaged fuse in solenoid relay battery power (30 amp)	Remove and inspect 30 amp fuse	Replace Fuse
	Malfunctioning arming switch.	With vehicle ignition on, turn arming switch ON. Connect 12V test light to battery (-) terminal. Check for power at red wire on arming switch.	Replace arming switch.
	Malfunctioning Progressive Controller	Refer to the installation instructions for the NOS Mini 2-Stage Controller, part number 15974NOS	
Engine detenates	Overly rich fuel condition.	Check for black smoke or backfiring through exhaust with system activated.	Install smaller fuel jet or check for restriction in fuel supply.
Engine detonates mildly when system is activated.	Inadequate octane fuel.		Use higher octane fuel; up to 116VPC-16.
activated.	Incorrect spark plug type or heat range.	Do not use "fine wire" or iridium type spark plugs. Reduce spark plug heat range by 1 or 2 steps.	Replace spark plugs with correct type and heat range.
Engine detonates	Too much nitrous flow.		Reduce nitrous jetting.
heavily when system is activated.	Inadequate fuel delivery due to restricted fuel filter.	Inspect fuel filter.	Clean or replace filter.
autivateu.	Crimped fuel line.	Inspect fuel line.	Replace crimped line.
High rpm misfire when system is activated.	Weak fuel pump.	Install fuel pressure gauge. Run engine under load at wide-open throttle, with system activated.	Repair/replace fuel pump.
System is activated.	Excessive spark plug gap.	Inspect spark plugs.	Set spark plug gap at 0.030" to 0.035".
Surges under	Weak ignition/ignition component failure.	Inspect components (plug wires, coils, etc.)	Replace worn components.
acceleration when system is activated.	Inadequate supply of nitrous.	Check bottle weight.	Replace with full bottle.

Nitrous Oxide Accessories

NOS systems are calibrated for optimum performance with a bottle pressure of 950 psi. The pressure will change with temperature. Heater kits are thermostatically controlled to keep the bottle near 85° F to provide correct pressure. **Bottle Heater (P/N 14164NOS)** is available for 10 & 15 lb. bottles. **Bottle Heater, P/N 14169NOS**, is pressure-controlled to keep your bottle at 950 psi.

Insulating the bottle helps maintain pressure by keeping heat in the bottle when it's cold, or heat out when it's hot outside. The blankets are made of a rugged, easily cleaned Nylon outer shell with insulation. It's also an excellent "dress up" accessory and perfect for "covering" battle-scarred bottles. **Bottle Blanket** (*P/N* 14165NOS) is a 7" diameter blanket for the 10 lb. bottle.

#10 Bottle Heater P/N 14169 NOS







The *Nitrous Pressure Gauges, P/N 15910NOS (-4AN lines)* or P/N 15912NOS (-6AN lines) [0-1500 PSIG] are designed to provide accurate (\pm 2% of full scale) readings of fuel pressure in carbureted applications.

The *Fuel Pressure Gauges, P/N 15906NOS* [0-120 PSIG] *and P/N 15900NOS* [0-15 PSIG] are engineered to provide accurate (± 2% of full scale) readings for high and low fuel pressure applications.

Nitrous & Fuel Pressure Gauges



NOS Technical Support Toll-Free Phone: 1-866-464-6553 Phone: 1-270-781-9741

For online help, please check the Tech Service section of our website: www.holley.com For refill information: 1-800-99-REFILL (1-800-997-3345)

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199R11637 Date: 8-7-18