



# PURGE VALVE KIT

## P/N 16030NOS & 16032NOS

A5155-SNOS

### INTRODUCTION:

Purge Valve Kits, P/N 16030NOS & 16032NOS are intended for use on competition vehicles using NOS nitrous oxide injection systems. The purpose of these kits is to ensure that liquid nitrous oxide is available at the nitrous system solenoid immediately upon system activation.

**NOTE:** When nitrous solenoids and feed lines are exposed to high temperatures, the liquid nitrous oxide in them may phase change to a gaseous state. Upon system activation, only gaseous nitrous oxide may be available to the engine for a very short period of time. The effect of this will be a slight decrease in performance from optimum. By purging the system of any gaseous nitrous oxide just prior to system activation, this slight "delay" in performance can be avoided.

### INSTALLATION:

**HINT:** For optimum performance, the purge valve should be mounted as close to the system nitrous solenoid as possible, upstream of the solenoid.

1. Turn off the nitrous bottle valve.
2. Relieve the pressure at the nitrous solenoid by cracking loose the main nitrous feed line at the solenoid inlet port.

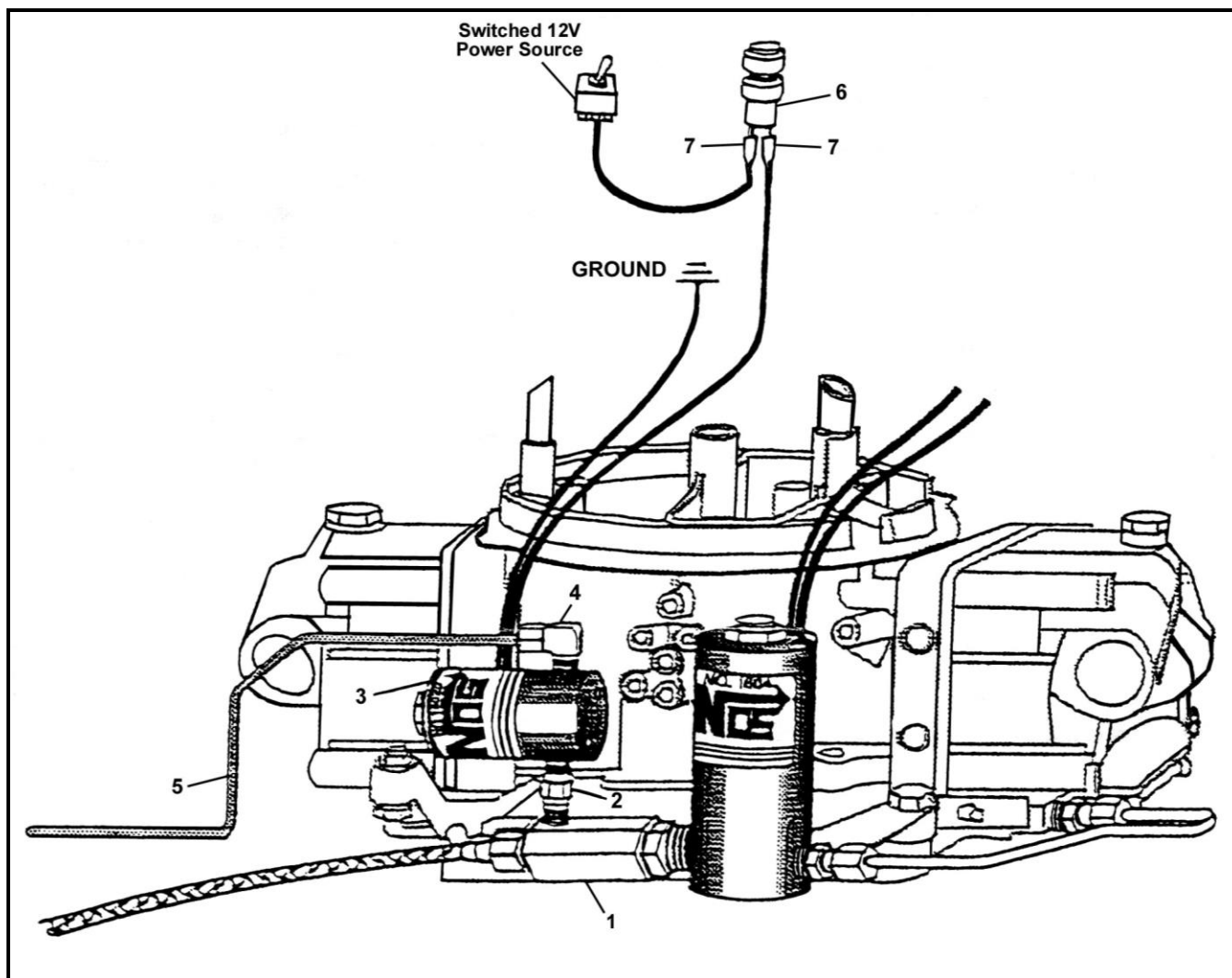
**WARNING:** Be sure the main nitrous feed line is completely empty before removing the hose. Nitrous oxide can cause death, if inhaled. It can also cause severe frostbite, if allowed to contact skin.

3. Disconnect the main nitrous feed line from the nitrous solenoid.
4. Install the purge adapter nut (1) on the nitrous filter in the nitrous solenoid. Be sure to orient the purge adapter nut, so that the N<sub>2</sub>O purge solenoid will not interfere with the engine or nitrous system components.
5. Connect the main nitrous feed line to the purge adapter nut.
6. Install the 1/8" NPT x 1/8" NPT adapter filter (2) in the purge adapter nut.
7. Install the N<sub>2</sub>O purge solenoid (3) on the 1/8" NPT x 1/8" NPT adapter fitting.
8. Install the 90° 1/8" NPT x 1/8" NPT fitting (4) in the N<sub>2</sub>O purge solenoid outlet port.
9. Install the blow-down tube (5) in the outlet port of the 90° 1/8" NPT fitting.

**WARNING:** The nitrous blow-down tube must be vented away from humans. Nitrous oxide can cause death, if inhaled. It can also cause severe frostbite, if allowed to contact skin.

### WIRING:

1. Install the activation button (6) in a location convenient to the driver.
2. Connect one solenoid lead to a ground.
3. Connect the remaining solenoid lead to the activation button using the spade connector (7).
4. Connect the open lead of the activation button to a switched +12V power source with the remaining spade connector.



Item	Quantity Required	Description	NOS P/N
1	1	Purge Adapter Nut	16103NOS / 16104NOS
2	1	1/8" NPT x 1/8" NPT Filter	15574NOS
3	1	N <sub>2</sub> O Purge Solenoid	16020-1NOS
4	1	90° 1/8" NPT Fitting	16434NOS
5	1	Blow-Down Tube	16300-SNOS
6	1	Activation Button	15610NOS
7	2	Electrical Connector	15889G-SNOS

If you have any questions regarding the performance of your kit, call NOS Technical Service at 1-866-464-6553.

### NOS Technical Support

Phone: 270-781-9741

Toll Free: 1-866-464-6553

For online help, please refer to the Tech Service section of our website: [www.holley.com](http://www.holley.com)

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