



NOS NITROUS PRESSURE GAUGE

P/N 15911NOS, 15911BNOS, & 15911SNOS

INSTRUCTIONS P/N A5097-SNOS

Figure 1 System Assembly Drawing / Wiring Diagram

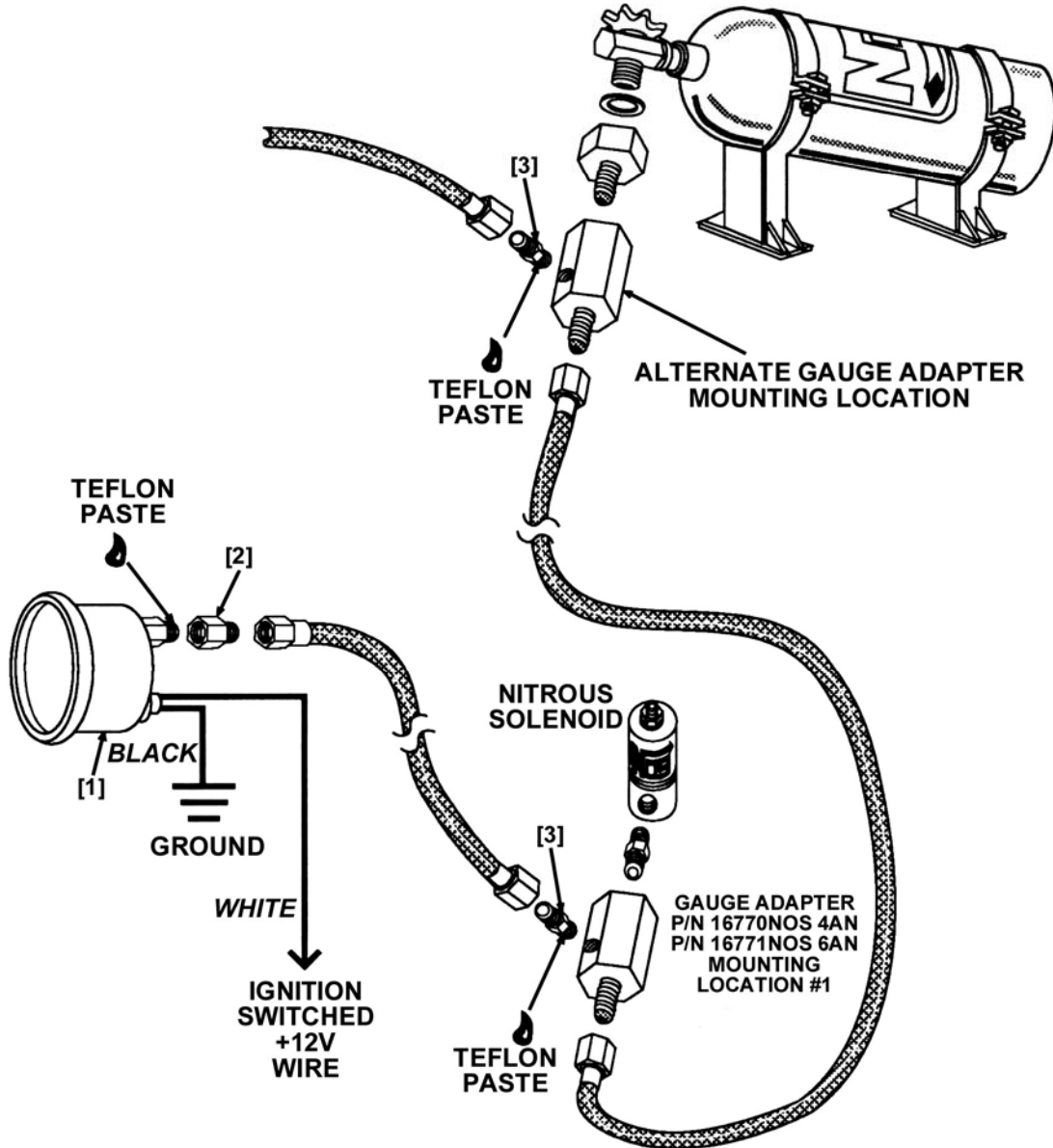


Table 1 Parts List

Item	Description	Qty.
(1)	Nitrous Pressure Gauge	1
(2)	1/8 NPT (Female) x 4AN (Male) Adapter (Zinc)	1
(3)	1/8 NPT (Male) x 4AN (Male) Adapter (Brass)	1
(4)	Attachment Bracket	1
(5)	Knurled Attachment Nut	2
(6)	Lock Washer	2

NOTE: (4), (5), & (6) are not shown in the diagram.

Introduction:

NOS nitrous pressure gauges are designed to be used as a tuning aid for the serious enthusiast. Use of this gauge and a thermostatically-controlled electronic bottle heater will allow you to maintain consistent bottle pressure, resulting in optimized performance.

A nitrous pressure gauge cannot be used to accurately predict the amount of usable nitrous remaining in your nitrous bottle. Pressure in the bottle is a function solely of the bottle temperature, provided the bottle is not close to being empty. Once the bottle is nearly empty, the nitrous pressure will fall very rapidly when your system is engaged or will fail to come up to standard operating pressure even when the bottle temperature is elevated.

To accurately measure the amount of usable nitrous in your bottle, the bottle must be weighed, or a log of activated time kept and compared to the amount of time required by your system to use approximately 70% of the contents of your nitrous bottle. NOS recommends refilling bottles when the weight of the nitrous in the bottle drops below 30% of the full amount stated on the label. Note that in very high flow applications, the bottle may need to be refilled prior to every use.

Installation:

WARNING! This gauge is supplied with a restrictor fitting that must be installed in the braided steel hose leading to the nitrous pressure gauge. Failure to do so can result in personal injury, should the nitrous pressure line or gauge be ruptured.

WARNING! Use only a braided steel hose, rated for a working pressure of at least 2000 psi to connect this gauge to your nitrous system. (All hoses offered by NOS meet these criteria.) Failure to do so can result in personal injury, should the nitrous pressure line rupture.

NOTE: Installation of this gauge requires the use of a NOS gauge adapter (P/N 16770NOS for systems using a 4AN nitrous supply line, or P/N 16771NOS for systems using a 6AN nitrous supply line) and a 4AN gauge supply hose (available in various lengths from NOS – refer to Table 2 for length and P/N information).

1. Select the mounting location for your nitrous pressure gauge (1). The gauge may be mounted in the interior of the vehicle or externally. NOS mounting cup kit P/N 15923NOS (Black) and kit P/N 15922 (Chrome) are available for those desiring the look of a "Mini Tachometer". Under-the-dash mounting plates are also available under P/N 15926NOS (Single gauge), P/N 15927NOS (Two gauges), and P/N 15928NOS (Three gauges).
2. Select the mounting location for your NOS gauge adapter (P/N 16770NOS or 16771NOS), typically on the inlet fitting of the nitrous solenoid or on the outlet of the nitrous bottle valve fitting.
3. Select the route for the 4AN gauge supply hose that will run from the NOS gauge adapter to the nitrous pressure gauge. Determine the length of the line necessary for installation. Acquire the proper gauge supply hose.
4.
 - A. If the gauge is to be mounted in a flat panel, bore a 2 5/8" diameter hole in the panel.
 - B. If the gauge is to be mounted with an NOS mounting cup kit or mounting plate kit, install the cup or plate per their respective installation sheets.
5. Apply Teflon paste to pipe threads on the back of the nitrous pressure gauge.
6. Install the 1/8 NPT (female) x 4AN (male) fitting on the nitrous pressure gauge. **DO NOT** overtighten the connection, since this can result in stripped threads or a broken fitting.
7. Install the gauge in the cup or the mounting hole.
8. Apply Teflon paste on male pipe threads of the gauge adapter fitting.
9. Install the gauge adapter fitting in the NOS gauge adapter.
10. Close the nitrous bottle valve. Loosen the main nitrous supply line, and vent the line to the atmosphere.
11. Install the NOS gauge adapter / fitting assembly.
12. Install the nitrous pressure gauge supply hose.
13. Reinstall the main nitrous supply line.
14. Open the nitrous bottle valve and examine the hoses and gauge for leaks. Tighten / repair, if necessary.

Wiring:

1. Connect the black wire from the back of the gauge to ground.
2. Connect the white wire from the back of the gauge to an ignition-switched +12V wire.

Table 2 NOS 4AN Nitrous Pressure Gauge Supply Hose Part Numbers

Length	NOS P/N
2 ft.	15230NOS
3 ft.	15240NOS
4 ft.	15250NOS
6 ft.	15260NOS
8 ft.	15270NOS
10 ft.	15280NOS
12 ft.	15290NOS
14 ft.	15295NOS
16 ft.	15300NOS

NOTE: Custom length hoses are available on a special order basis. Check with your local dealer.