INSTRUCTIONS

ZEX™ Show Purge Kit

Thank you for choosing ZEX™; we are proud to be your manufacturer of choice. If at any time you have questions regarding this or any of our products please call our toll free product support line at 1-888-817-1008

Warning: Read these instructions completely before attempting to install your Show Purge Kit. Failure to do so may result in damage to your vehicle and/or physical harm to yourself. ZEX™ is not responsible for damage or injuries caused by improper use of this kit.

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Kit Parts List

DESCRIPTION	QTY.	DESCRIPTION	QTY.
10 lb. Nitrous/CO2 Cylinder	1	Red 20 GA. Wire	6ft.
Purge Solenoid	1	Black 20 GA. Wire	6ft.
16' Hose, -4AN, purple	1	15 amp Fuse Holder	1
Bottle Bracket (short)	1	15 amp Fuse	1
Bottle Bracket (long)	1	5/16-18 X 1" Bolt for Bottle Brackets	4
Solenoid Bracket	1	5/16 - 18 Nut for Bottle Brackets	4
Purge LED Light	1	5/16 Flat Washer	4
3/16 tube clamps	2	8 x ½ in. Sheet Metal Screws	2
3/16 x 12 in. Steel Purge Tube	1	10-32 Solenoid Bracket Screws	2
Push-button Activation Switch	1	#14 x ¾ in. Sheet Metal Screws	2
Red 18 GA. Wire	15ft.		

What makes the ZEX Show Purge Kit so cool!

- The complete kit enables you to purge a 15 ft cloud of colored nitrous or CO2 into the air. A show-stopper that will turn heads everywhere.
- Gives you the "look" of a complete engine nitrous system. No need for the expense and trouble of a full installation.
- Can be used to purge nitrous or CO2 from the hood area, the muffler, underneath the vehicle, you name it! Creates a wild purge cloud effect anywhere it is used.
- The kit includes our Purge Cloud LED. It is a focused beam, high-intensity LED light assembly available in red, green, or blue color. It lights-up the purge cloud and makes for an especially vibrant and colorful show at night.

Quick Start Reference Guide

How The ZEX Show Purge Kit Works:
The ZEX™ Show Purge Kit begins with a supply cylinder containing pressurized liquid nitrous oxide or CO2. This cylinder is connected by means of a delivery hose to a normally closed electric solenoid valve. A 12 in. long steel discharge tube is attached to this solenoid and it can be bent and located into any position desired. On the end of this tube is a Purge Cloud LED that illuminates the nitrous or CO2 cloud that sprays from the end of the tube. The solenoid valve is engaged and disengaged via a push button mounted in the cabin of the vehicle. While nitrous

oxide or CO2 can be used to fill the Show Purge Kit's storage cylinder, nitrous oxide tends to produce the best visual effects.

Work Safely: Always wear eye protection and gloves when working with lines or hoses that contain pressurized nitrous oxide or CO2. Never transport cylinders loose in a trunk or the back of a pick-up truck and especially NOT within a vehicle's interior whether the cylinder is full OR empty. Always disconnect the GROUND side of the battery when working on any electrical components.

Do not use Teflon sealing tape on any fittings:
It is easy for Teflon tape to get pulled into the system, causing blockages that can ultimately lead to poor Show Purge Kit performance. Only use liquid thread sealer for all NPT type fittings. Do not use any thread sealing compound on AN style fittings.

Never defeat the operation of the safety relief disc in the nitrous cylinder's valve stem: It's required by law and is there for your safety. Never drill, machine, weld, deform, scratch, drop, or modify a nitrous oxide/ CO2 cylinder in ANY way whatsoever!

Never overfill nitrous/CO2 cylinders: That little bit extra will put you and others at risk of injury. More often than not, when the cylinder warms up, the pressure goes above the limit of the safety relief disc and you lose all the nitrous or CO2 you just paid for.

Close the bottle valve when kit is not in use: This ensures that if any kind of leak were to develop, you would not loose all of the nitrous or CO2 in the cylinder.

Installation Instructions

Step 1: Decide Where to Put Everything
Before you drill any holes in your car, make sure you know where you're going to install the various components of this kit. You'll have to discover the best positions for each component by trial and error. You'll also have to decide where to install the activation push button switch. The push button switch should be installed in a position convenient to the driver, but not in an area that increases the chance of unintentionally activating the kit. To help decide where you'll mount the nitrous/CO2 supply bottle, refer to fig's A, B, and C for technical restrictions. Finally, have your cylinder professionally filled with nitrous or CO2.

Step 2: Mount Nitrous/CO2 Supply Bottle
Mount the nitrous/CO2 supply bottle so that it is separated from the passenger cabin. Fastback style cars that do not have separate trunk compartments should be equipped with a safety blowdown tube kit (ZEX Part #82099). Route the tube from the safety pressure relief cap to the exterior of the car, preferably under the car. Doing so will prevent your car from filling with a cloud of nitrous oxide or CO2 should the safety pressure relief cap rupture. Index the pickup tube with bottle position. (Refer to fig's A, B, and C). ZEX™ nitrous/CO2 bottles are designed with the bottom of the siphon tube at the bottom of the bottle towards the outlet. Always mount the bottle so that as your car accelerates, the liquid flows toward the pickup tube.

Step 3: Mount Purge Solenoid
Using the included solenoid bracket, mount the purge solenoid in the desired location. Attach the steel purge tube to the solenoid using the 3/16 compression fitting that is installed in the outlet of the purge solenoid. Use the included tube clamps to support and hold the tube in place.

Step 4: Mount Purge LED Light
Slide the Purge LED Light over the end of the steel discharge tube and tighten the set screw on the light's housing to secure it in place. Refer to the included Purge Light LED installation instruction sheet for wiring and installation specifics.

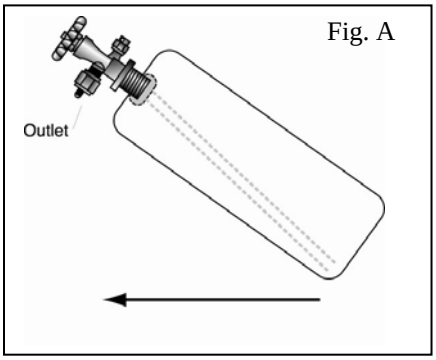

Fig. A

WARNING!!!!!
The wire leads that are attached to the Purge Light LED have a special current limiting resistor factory installed. Do not remove this resistor in an attempt to increase the brightness of the LED. If this is done, the LED will burn out immediately due to current overload. The warranty for the Purge Light LED will be voided if the wires from the resistor to the Purge Light have been cut in any way.

Fig. B

Step 5: Mount Nitrous/CO2 Delivery Line Under The Car
When routing the nitrous/CO2 delivery line under the car, try to use the subframe as a conduit. This protects the line and eliminates the need to use clamps. The supplied cable ties work if you can run the line higher in the under-body so that it's safe from road level obstacles such as speed bumps. For the pro-race look, you can use steel loom clamps with rubber sheathing to fasten the line to the body.

Step 6: Wire It
Once you have mounted the components, you are ready to wire the Show Purge Kit. The push button switch should be installed in a position convenient to the driver, but not in an area that increases the chance of unintentionally activating the kit. Take one of the wire leads coming from the push button and wire it, with the fuse assembly, to a 12 volt DC source. A convenient way to do this is to use one of the included T-tap electrical connectors and splice it into a 12 volt accessory wire under the dash. Run a length of wire from the other push button lead to one of the purge solenoid wire leads. Attach the other wire coming off of the purge solenoid to a good chassis ground. Wire the Purge Cloud LED Light per the included extra installation instructions.

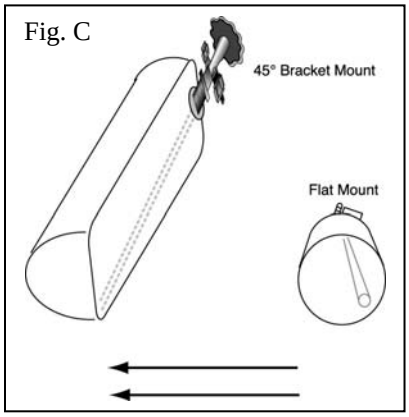

Fig. C

Step 7: Check Pressure Line and Fittings
Now that you have completed the installation and wiring of your Show Purge Kit, one of the final steps is to check the pressure line and fittings for any leaks. Open the bottle valve and listen and observe for any leaks in the nitrous/CO2 supply line. Leaks will be obvious because they will be covered with frost.

Step 8: Enjoy
Now that everything has been checked over, turn on the bottle, start purging, and turn some heads!