



Edelbrock Nitrous Systems  
-4AN/-6AN Purge Valve Kit  
Catalog #72176, 72178  
**INSTALLATION INSTRUCTION**

Please study these instructions carefully before installing your new Electric Remote Arming Valve Kit. If you have any questions or problems, please contact our Technical Hotline at: (800) 416-8628 from 7 am - 5 pm, Monday through Friday, Pacific Standard Time or e-mail us at [edelbrock@edelbrock.com](mailto:edelbrock@edelbrock.com). Please fill out and mail your warranty card.

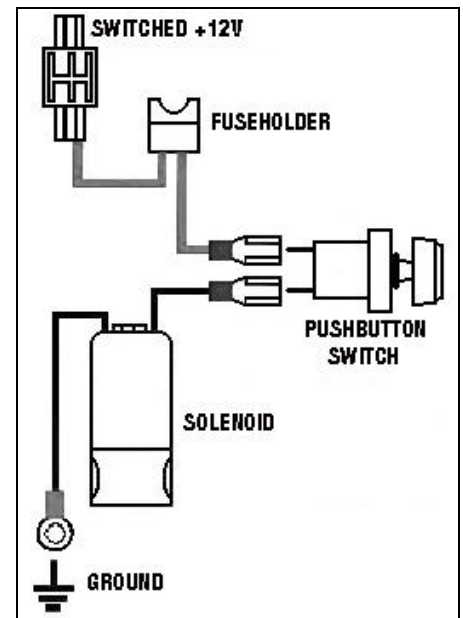
**DESCRIPTION:** The -4AN/-6AN Purge Valve Kit is design to vent gaseous nitrous to the atmosphere to fill the nitrous feed line with liquid nitrous for a better nitrous charge when the nitrous system is in use. Be sure the nitrous purge line is mounted on the vehicle so the spray direction is not pointed in a direction which could fill the passenger compartment with nitrous oxide.

**INSTALLATION INSTRUCTIONS**

1. Be sure the nitrous bottle is turned to the "off" position.
2. Relieve any pressure in the line by slowly loosening the main line fitting from the bottle.

*IMPORTANT NOTE: Nitrous Oxide can be lethal and must be handled with extreme caution. Be sure you are located in a well-ventilated area. Remove your hands from the fitting while the nitrous oxide is venting and move away to keep from breathing the escaping nitrous.*

3. Install the 1/8"NPT x 1/8"NPT filter fitting adapter onto the purge valve adapter. Use only liquid Teflon® on this connection.
4. Install the nitrous purge solenoid onto the 1/8"NPT x 1/8"NPT adapter. Use only liquid Teflon® on this connection.
5. Install the compression fitting onto the nitrous purge solenoid. Use only liquid Teflon® on the pipe section of this fitting connection.
6. Install the purge valve adapter fitting onto the nitrous solenoid fitting. Do not use any chemical thread sealant on either of these fittings. Ensure that the purge valve adapter will not interfere with any other engine system or component.
7. Connect the main nitrous feed line to the purge valve adapter. Again, do not use any chemical thread sealant on either of these fittings.
8. Attach the 1/8" poly line into the ferrule fitting on the nitrous purge solenoid. Bend and conform the plastic tube to vent the nitrous purge towards the base of the windshield, out and away from the engine compartment. Never configure this vent tube to point in the direction of people. Securely attach the end of the vent tube to the vehicle. This is a point of high-pressure gas escaping into the atmosphere and the tube could cause injury, if not properly secured.
9. Mount the nitrous purge solenoid on/off push button switch in the passenger compartment of the vehicle. Place it in a convenient and visible location.
10. Connect one solenoid wire (it does not matter which one) to a good ground on the chassis.
11. Connect the remaining solenoid wire to the nitrous purge solenoid on/off push button switch.
12. Connect the remaining lead from the nitrous purge solenoid on/off button switch to the "ignition-switched" 12-volt source of the nitrous system. This will ensure that your system can only be purged when the arming switch is in the "on" position.
13. Re-connect the nitrous feed line to the nitrous bottle. Check the system for leaks and test your purge valve for proper operation and purge spray direction.



Edelbrock Corporation  
2700 California St.  
Torrance, CA 90503

Tech Line: 1-800-416-8628  
E-Mail: [edelbrock@edelbrock.com](mailto:edelbrock@edelbrock.com)