



Victor Jr. Plate Upgrade Kits
for Squareflange and Dominator Carburetors
Kit #70024 and #70025

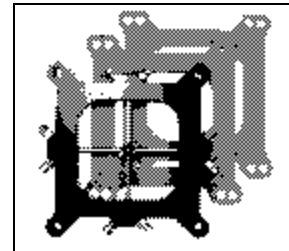
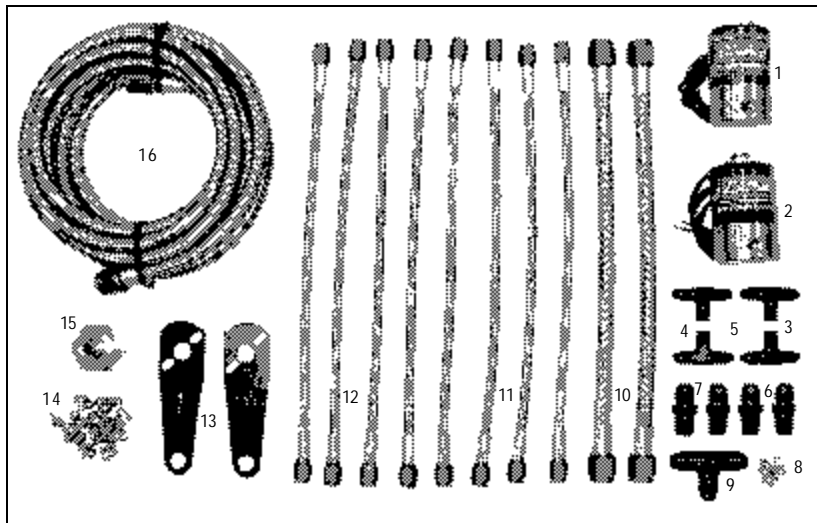
INSTALLATION INSTRUCTIONS

Please study these instructions carefully before installing your new Edelbrock Nitrous Kit. Failure to follow instructions will void the warranty and may cause damage to parts and/or personal injury. If you have any questions or problems, please call our Technical Hotline at: 1-800-416-8628, 7:00 am - 5:00 pm, Monday through Friday, Pacific Standard Time or e-mail us at: Edelbrock@Edelbrock.com. Please fill out and mail your warranty card.

Thank You....
...for purchasing an Edelbrock Nitrous Oxide Injection System.

Nitrous Oxide injection is one of the most exciting performance enhancements, for the dollar invested, on the market today. With the use of nitrous oxide come some important safety considerations. This manual has been written to help you during the installation and use of your Edelbrock Nitrous System. Please read it completely before you install and use your system. Please pay close attention to the safety information at the beginning of each section. The information contained there specifically pertains to each of the components and installation methodologies within the section.

The Victor Jr. Plate Upgrade Kit is a kit designed to be used as an upgrade from an existing Performer RPM Nitrous System to the Victor Jr. Nitrous System using both new and existing components. This kit comes complete with everything needed for a finished installation if you still have all of your Performer RPM components.



70024



70025



Item #	Qty.	Description	Item#	Qty.	Description
1	1	Performer RPM Fuel Solenoid	9	1	6AN Blue Tee
2	1	Performer RPM Nitrous Solenoid	10	2	6AN Blue Steel Braided Hose
3	2	3AN to 1/8"NPT Blue Nitrous Tee	11	4	3AN Blue Steel Braided Hose
4	2	3AN to 1/8"NPT Red Fuel Tee	12	4	3AN Red Steel Braided Hose
5	1	Teflon Bottle Nut Washer	13	2	Solenoid Brackets
6	2	6AN to 1/4"NPT Blue Fitting	14	5	Jets
7	2	6AN to 1/4"NPT Red Fitting	15	1	6AN Bottle Nut
8	4	Solenoid Bracket Screws	16	1	6AN Feed Line

DISASSEMBLY

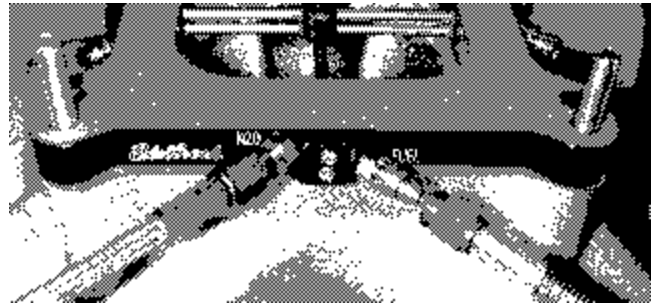
NOTE: Be sure that the engine is cool, the fuel pressure has been relieved in the fuel system, and the battery has been disconnected.

1. Remove the carburetor.
2. Remove both lines from the plate to the solenoids.
3. Remove the nitrous and fuel jet from the inlet fittings to the plate.
4. Remove the Performer RPM Plate and gaskets from the carburetor pad of the intake manifold. Make sure that all of the gasket material is removed from the carburetor pad of the intake manifold and the pad is clean and smooth.

INSTALLATION

1. Install you new Victor Jr. Nitrous Plate using the supplied gaskets on the carburetor pad of your intake manifold. Be sure that one gasket is placed on the pad under the Victor Jr. Nitrous Plate and one is placed on top of the plate under the carburetor. Be sure that the plate is installed with the text on the plate facing the correct direction as pictured to the right. Failure to mount the plate facing the correct way could result in catastrophic engine damage.
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2. Re-Install the carburetor.
 3. Remove your current Performer RPM Nitrous Solenoid.
 4. Remove the 4AN x 1/4" NPT inlet fitting from the solenoid. Install one of the supplied 6AN x 1/4" NPT Blue Filter Fittings into the inlet port of the Performer RPM Nitrous Solenoid using only Teflon Paste.
 5. Remove the 4AN x 1/8" NPT Blue outlet fitting from the Performer RPM Nitrous Solenoid. Install one of the supplied 3AN x 3AN x 1/8" NPT Blue Tee fittings into the outlet fitting of the solenoid using only Teflon Paste.
 6. Re-install the Performer RPM Nitrous Solenoid onto the bracket in the engine compartment.
 7. Remove your current Performer RPM Fuel Solenoid.
 8. Remove the 4AN x 1/8" NPT Red outlet fitting from the Performer RPM Fuel Solenoid. Install one of the supplied 3AN x 3AN x 1/8" NPT Red Tee fittings into the outlet fitting of the solenoid using only Teflon Paste.
 9. Re-install the Performer RPM Fuel Solenoid onto the bracket in the engine compartment. Pictured to the right is a properly assembled Performer RPM Nitrous Solenoid. Both your nitrous and fuel solenoids should look like the one pictured above.
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10. Install the 6AN x 1/4" NPT Blue Filter fitting into the inlet port of the new Performer RPM Nitrous Solenoid using Teflon Paste only. Install the 3AN x 3AN x 1/8" NPT Blue Tee fitting into the outlet port of the Performer RPM Nitrous Solenoid using Teflon Paste only.
 11. Install the assembled Performer RPM Nitrous Solenoid onto one of the supplied solenoid brackets using the supplied solenoid bracket mounting screws. Mount this solenoid and bracket as close to the Victor Jr. Nitrous Plate as possible on the opposite corner of the other Performer RPM Nitrous Solenoid on the intake manifold. You may not want to solidly mount the bracket yet until you have installed the nitrous hoses from the solenoid tee to the plate fittings. This may help to decide in the mounting location of the solenoids due to line lengths.
 12. Install the 6AN x 1/4" NPT Red fitting into the inlet port of the new Performer RPM Fuel Solenoid using Teflon Paste only. Install the remaining 3AN x 3AN x 1/8" NPT Red Tee fitting into the outlet port of the Performer RPM Fuel Solenoid using Teflon Paste only.

13. Install the assembled Performer RPM Fuel Solenoid onto the remaining solenoid bracket using the remaining 2 solenoid mounting screws. Mount this solenoid and bracket as close to the Victor Jr. Nitrous Plate as possible on the opposite corner of the other Performer RPM Fuel Solenoid on the intake manifold. You may not want to solidly mount the bracket yet until you have installed the nitrous hoses from the solenoid tee to the plate fittings.
14. Using the jet chart below, select the appropriate jets for the corresponding horsepower setting that you wish to use. It is always wise to start with a lower horsepower selection and progressively step up to your intended power setting to be sure that the engine can handle the extreme increase in horsepower. Be sure that you install the fuel jets in the fuel jet holders and the nitrous is the nitrous jet holders. Failure to install the jets correctly may cause serious engine damage. Both the fuel and the nitrous inlets to the plate are etched next to their correct fitting. Be sure not to mix the two up. Above is a picture of a jet being properly installed.
15. Install the 4 red 3AN x 3AN Steel Braided hoses from the 3AN tee outlet fittings of the Performer RPM Fuel Solenoids to the Fuel Jet Holders on your Victor Jr. Nitrous Plate.
16. Install the 4 blue 3AN x 3AN Steel Braided hoses from the 3AN tee outlet fittings of the Performer RPM Nitrous Solenoids to the Nitrous Jet Holders on your Victor Jr. Nitrous Plate.
17. Install the 2 blue 6AN 15 inch Steel Braided hoses from the inlet fittings of the Performer RPM Nitrous Solenoids to the supplied blue 6AN Tee fitting.
18. Route the 6AN feed line through the same route as your previous 4AN feed line, if possible. Connect one end of this line to the bottle nut and the other to the blue 6AN Tee Fitting.



JET MAP INFORMATION

Edelbrock engineering has conducted dyno testing with the Victor Jr. system to provide jetting maps for two separate plates at different jetting levels. These jet combinations are supplied with this system to enable you to vary your engine's power output. On a typical mildly to highly modified 350 or larger cubic inch engine, you can expect the following approximate power gains for each of the jetting levels:

DOMINATOR-FLANGE JET MAP		
Nitrous/Fuel Jetting	Approx. HP Gains	Timing Adj.
38/39	200hp	30 Deg. Total
54/54	300hp	24 Deg. Total
61/58	400hp	20 Deg. Total

SQUARE-FLANGE JET MAP		
Nitrous/Fuel Jetting	Approx. HP Gains	Timing Adj.
39/39	200hp	28 Deg. Total
48/46	300hp	24 Deg. Total
58/56	400hp	20 Deg. Total

The dyno tests were conducted at Edelbrock using a mildly modified 500 cubic inch engine. Modifications included Edelbrock intake manifold, dyno headers and improved ignition. These tests were conducted with 950 psi nitrous pressure, 7.5 psi fuel pressure, and 110 Octane fuel or better.

The Victor Jr. Series Nitrous Systems are intended for single-plane manifolds only. Do not use a dual-plane intake manifold with the Victor Jr. Series Nitrous Systems. In testing, we have found that dual-plane manifolds have some distribution problems at these super high flow rates that could cause serious engine damage.

Edelbrock General Warranty

It is the constant endeavor of Edelbrock Corporation to give our customers the highest quality products obtainable. Edelbrock warrants each new product, except Performer Series Carburetors, Race Division Parts, Tubular Exhaust Systems, RPM Series Mufflers, Cat-Back Systems and Performer IAS Shock Absorbers which are warranted separately, to be free from defects in both workmanship and material for a period of one (1) year from the date of purchase, provided that the product is properly installed, subjected to normal use and service and that the product is not modified or changed in any way, negligence by customer or installer or used for racing or competition purposes.

Our warranty service and repair facility is located at 2700 California Street, Torrance, California 90503. Customers who believe they have a defective product should either return it to the dealer from which it was purchased or ship it directly to Edelbrock along with proof of purchase and a complete description of the problem. The product must be returned freight pre-paid. If a thorough inspection of the product by the factory indicates defects in workmanship or material, our sole obligation shall be to repair or replace the product. Warranty covers only the product itself and not the cost of installation or removal.

Edelbrock Corporation shall not be liable for any and all consequential damages occasioned by the breach of any written or implied warranty pertaining to this sale in excess of the purchase price of the product sold.

If you have any questions regarding a product or installation, please contact our Technical Department, toll free at 1-800-416-8628 from 7:00am to 5:00pm, Monday through Friday, Pacific Standard Time.

Thank you again for choosing Edelbrock Nitrous Systems.

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