Victor Jr. Plate Kits
Catalog #70014 & 70015

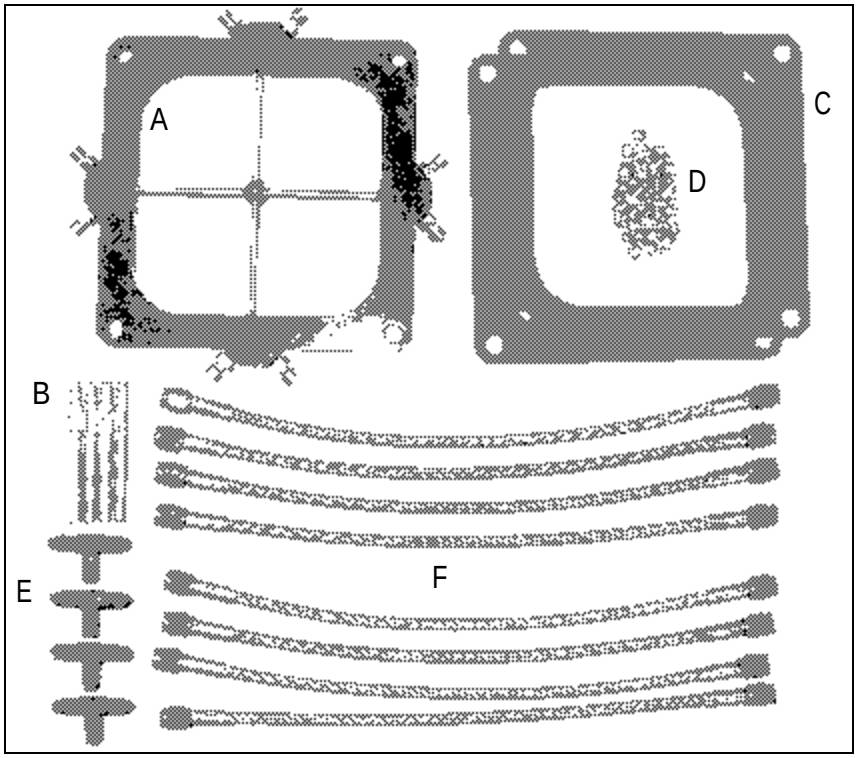
INSTALLATION INSTRUCTIONS

Please study all instructions carefully before you install your new Victor Jr. Plate Kit. If you have any questions or problems, please call our Technical Hotline at: 1-800-416-8628, 7:00 a.m. to 5:00 p.m., Monday through Friday, Pacific Standard Time or e-mail us at edelbrock@edelbrock.com.

DESCRIPTION: This kit is an upgrade to your existing system or a replacement for your current plate system. Some additional components may be required for a complete installation. You must currently have 2 nitrous solenoids and 2 fuel solenoids of the same style for this system to operate correctly. You also must currently have the bottle, feed lines, solenoid inlet fittings, and any other components that may be required for a complete system. The Victor Jr. Nitrous Plate was dyno tested and proven using only Edelbrock components. The dyno testing and jet map are based upon using 2 Performer RPM nitrous solenoids, 2 Performer RPM Fuel Solenoids, -6AN feed line, and -6AN lines from the feed line to the solenoid inlets. Any variations from this configuration may change the jet map curve. Tune your nitrous system accordingly.

Component Installation

1. Install your new Victor Jr. Nitrous Plate (Item A) onto the carburetor pad using the 4 supplied Carburetor Studs (Item B) and 2 supplied Gaskets (Item C).
2. Install the correct jets (Item D), selected from the chart below, into their corresponding jet holders on the plate. Be sure you install the selected fuel jet into the fuel fitting and the correct nitrous jet into the nitrous fitting. Failure to install the jets correctly may result in catastrophic engine damage.
3. Install the 3AN x 1/8"NPT Tee's (Item E) into the outlet port of your solenoids using Teflon Paste. Be sure to use the red fittings for the fuel solenoids and blue fittings for the nitrous solenoids to make line identification easier for future tuning or use.
4. Install the Blue Nitrous Lines (Item F) from the nitrous jet holders to the blue outlet tee from the solenoid. Repeat this step for the Red Fuel Lines.



Nitrous and Fuel Jetting Selection

Edelbrock engineering has conducted dyno testing with the Victor Jr. system to provide jetting maps for two seperate plates at different jetting levels. The jet combinations supplied with this plate kit were achieved using Edelbrock components. Your jet map will change with the use of other components. The nitrous testing was done using Performer RPM solenoids, -6AN fittings and lines, and a bottle pressure of 950 psi and 7.5 psi fuel pressure.

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

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

These 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 a bottle pressure of 950 psi and the fuel system running at 7.5 psi flowing. All stated timing adjustments listed in the jet maps above are where the engine ran at its best with the nitrous system activated. Final timing should be adjusted to achieve best power and/or MPH per application. Edelbrock recommends using Champion C-64-C or equivalent spark plugs. The fuel used should be 110 Octane or better. The Victor Jr. Series Nitrous Plate is intended for single-plane manifolds only. Do not use with a dual plane manifold. In testing, we found that dual plane manifolds have some distribution problems at these extremely high flow rates that could cause serious damage.

Edelbrock Corporation
2700 California Street
Torrance, CA 90503
Tech Line: (800) 416-8628
Office: (310) 781-2222
Tech Fax: (310) 972-2730
Tech E-Mail: edelbrock@edelbrock.com