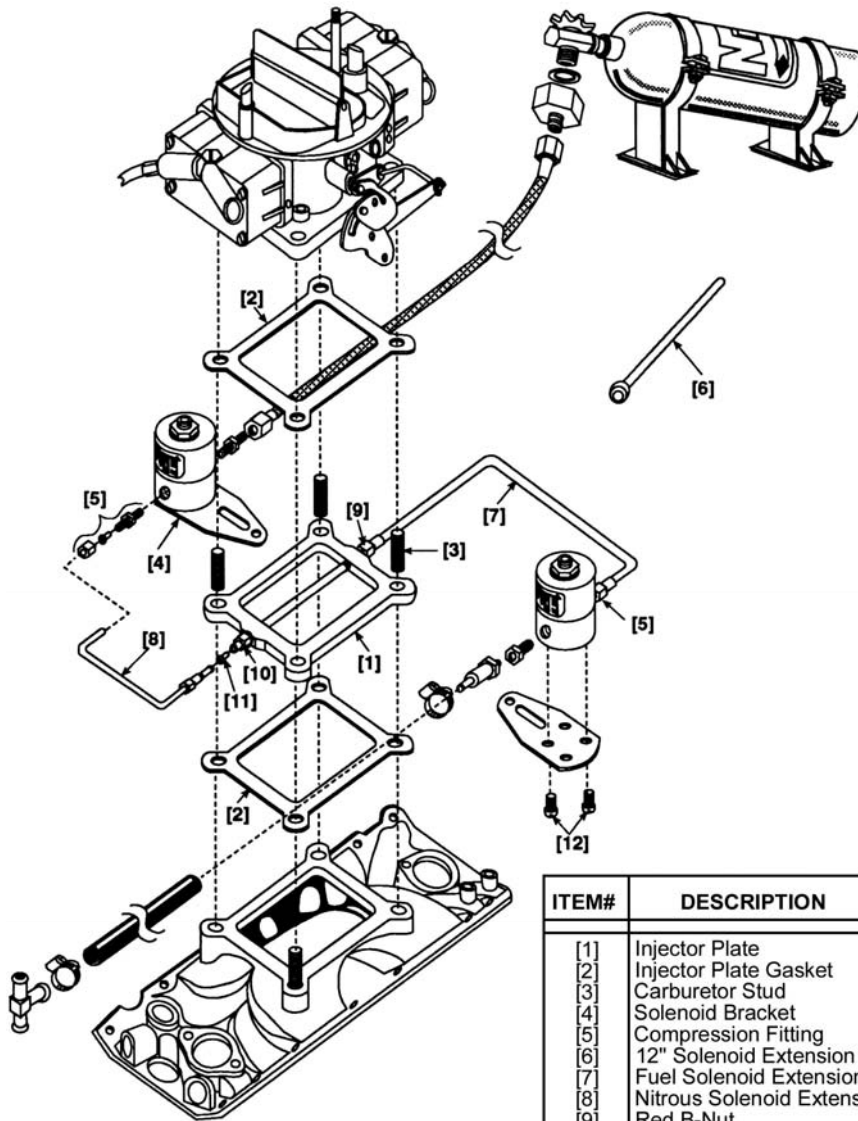




NOS COMPETITION CHEATER SINGLE CARBURETOR INJECTOR PLATE INSTALLATION INSTRUCTIONS

FOR NOS P/N 12500NOS, 12600NOS, 12700NOS,
12800NOS & 12900NOS



Parts List

ITEM#	DESCRIPTION	QTY	P/N
[1]	Injector Plate	1	*
[2]	Injector Plate Gasket	2	*
[3]	Carburetor Stud	4	*
[4]	Solenoid Bracket	2	16500-S
[5]	Compression Fitting	2	16433-S
[6]	12" Solenoid Extension Tube	2	16360-S
[7]	Fuel Solenoid Extension Tube	1	16866-S
[8]	Nitrous Solenoid Extension Tube	1	16865-S
[9]	Red B-Nut	1	17551-S
[10]	Blue B-Nut	1	17550-S
[11]	Flare Jet Assortment	1	13742-S
[12]	Solenoid Base Screws	4	16501-S

* Varies with application.

1.0 Injector Plate Mounting

1. Remove the carburetor inlet ducting and air cleaner.
2. Disconnect the throttle linkage from the carburetor.
3. Disconnect the fuel line from the carburetor.
4. Remove the carburetor.
5. Remove the stock carburetor studs.
6. Install the extended carburetor studs [3].
7. Install the injector plate [1] and gaskets [2] on the intake manifold *with the NOS label facing UP*
8. Install the carburetor.

- Connect the throttle linkage.

2.0 Nitrous Solenoid Installation

CAUTION! Do not overtighten the vise in the following procedure or the solenoid will be damaged.

NOTE: Use Teflon paste only on pipe threads.

- Clamp the nitrous solenoid base in a bench vise.
- Install the nitrous filter fitting in the inlet port of the nitrous solenoid.
- Install the 1/8-inch NPT fitting adapter [5] in the outlet port of the nitrous solenoid.
- Remove the nitrous solenoid assembly from the vise.
- Attach the solenoid mounting bracket [4] to the nitrous solenoid.
- Loosely mount the nitrous solenoid near the base of the carburetor on the nitrous (blue) end of the injector plate.
- Install the proper nitrous jet [11] in the injector plate, with the beveled edge out.
- Install the formed nitrous (blue) extension tube [8] using the B-nut (blue) [10].

NOTE: Extension tubes may need to be shortened, depending on the application.

- Tighten the solenoid mount.

3.0 Fuel Solenoid Installation

CAUTION! Do not overtighten the vise in the following procedure or the solenoid will be damaged.

NOTE: Use Teflon paste only on pipe threads.

- Clamp the fuel solenoid base in a bench vise.
- Install the in-line fuel filter in the inlet port of the fuel solenoid.
- Install the 1/8-inch NPT compression fitting adapter [5] in the outlet port of the fuel solenoid.
- Remove the fuel solenoid assembly from the vise.
- Attach the solenoid mounting bracket [4] to the fuel solenoid.
- Loosely mount the fuel solenoid near the red end of the injector plate.
- Install the proper fuel jet [1] in the injector plate, with the beveled edge out.
- Connect the outlet port of the fuel solenoid to the injector plate using the formed fuel (red) extension tube [7] using the B-nut (red) [9].

NOTE: Extension tubes may need to be shortened, depending on the application.

- Tighten the solenoid mount.

Suggested Tuning Combinations for NOS Competition Cheater - Single Carburetor System

Horsepower Level	Jetting N₂O/Fuel	Fuel Quality	Ignition Timing	Spark Plug Heat Range
150	63 / 71	100+ octane (R+M/2) racing fuel or 92+ octane pump gas with octane booster	2° ignition retard	Decrease heat range 1 - 2 steps
180	73 / 82	105 octane (R+M/2) racing fuel	4° ignition retard	Decrease heat range 2 - 3 steps
210	82 / 91	110+ octane (R+M/2).74 or higher specific gravity racing fuel	6° ignition retard	Decrease heat range 3 - 4 steps
250	93 / 102	110+ octane (R+M/2).74 or higher specific gravity racing fuel	8° ignition retard	Decrease heat range 3 - 4 steps

At the Stage IV level, the Cheater nitrous solenoid is flowing at maximum capability. Increasing the jetting above these levels will not result in a performance increase. If you need performance greater than Stage IV delivers, contact NOS Technical Support for information on higher-flow-rate solenoids.

NOS Technical Support

Phone: 1-866-GOHOLLEY, Fax: 1-270-781-9772, or for online help, please refer to the Tech Service section of www.holley.com

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