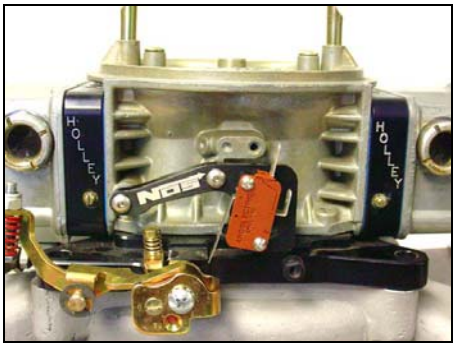
NOS MICROSWITCH BRACKETS
P/N 16512NOS, 16513NOS, & 16514NOS

NOS SOLENOID BRACKETS
P/N 16515NOS, 16516NOS, 16517NOS, & 16518NOS

INSTALLATION INSTRUCTIONS 199R10359

16512NOS MICROSWITCH BRACKET INSTALLATION (4150 series):

If your 4150 has a choke assembly, remove all the choke parts to reveal the 8-32 mounting holes on the passenger's side of the main body. Install the bracket onto the main body mounting holes using the supplied 8-32 screws. If you are using an HP or ULTRA HP and these holes are not tapped, tap the hole with an 8-32 tap or insert #6 x 1" sheet metal screws (not supplied). The sheet metal screws will self tap into the main body. Once the bracket is securely mounted, install the microswitch loosely and rotate the throttle to wide open. Hold the throttle in the open position and adjust the microswitch via the slotted hole until you have full activation. ***(NOTE: Standard linkage carbs may not engage the switch fully without bending the activation arm of the microswitch switch or adjusting the secondary shaft link to gain additional travel. Aftermarket linkages with adjustable secondary arms will easily engage the switch using the provided adjustment, as shown.)*** Once the switch is adjusted properly, tighten the screws. Move your linkage from part throttle to full throttle to ensure repeated activation. Wire the microswitch according to the nitrous kit's manufacturer's suggested wiring specifications.

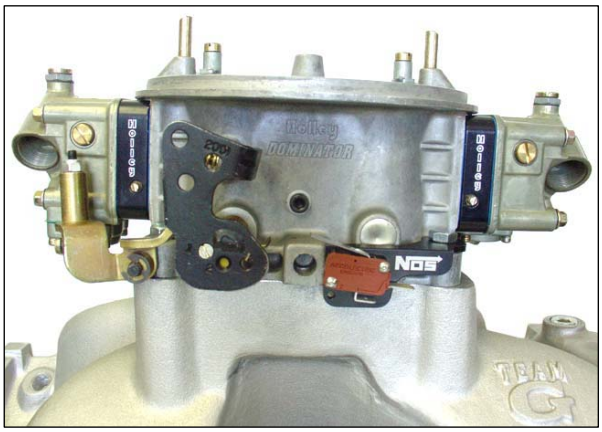


16513NOS MICROSWITCH BRACKET INSTALLATION (4160 series):

The 4160 series bracket installs on the drivers side front corner of the carburetor. If you are using a ford automatic kick-down lever, installation could require some modifications. The carburetor baseplate should contain two threaded holes that will accept your new NOS bracket. The microswitch must be securely mounted to the bracket before installing the bracket to the carburetor. Swing the throttle open and closed to ensure repeated activation. Wire the microswitch according to the nitrous kit's manufacturer's suggested wiring specifications.

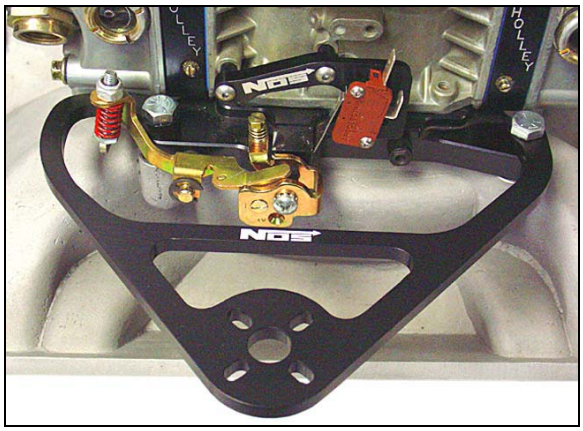
16514NOS MICROSWITCH BRACKET INSTALLATION (4500 series):

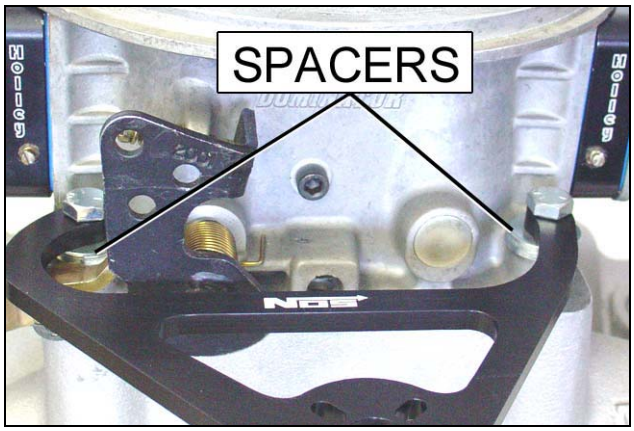
The 4500 series bracket installs on the passenger's side front carburetor stud. The microswitch must be securely mounted to the bracket before installing the bracket onto the stud, as shown. With the HP series Dominator carbs, use the upper set of mounting holes to install your microswitch. With the standard 4500 carb, use the lower set of mounting holes to mount the microswitch. If the switch is mounted in the incorrect location, it may restrict your carb from achieving 100% throttle. Swing the throttle open and closed to ensure repeated activation. Wire the microswitch according to the nitrous kit's manufacturer's suggested wiring specifications.



16515NOS & 16517NOS SOLENOID BRACKET INSTALLATION (4150 AND 4500):

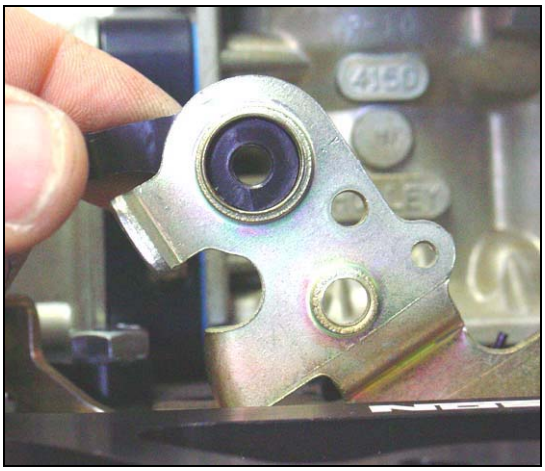
The **16515NOS** solenoid brackets install on each side of your 4150 carb with the NOS logo facing up. The solenoids can be mounted upright if there is enough clearance for the air cleaner or inverted if there is enough clearance for the valve covers. ***(NOTE: Will not work with small Super Powershot type solenoids).*** Wire your solenoids according to the nitrous kit's manufacturer's suggested wiring specifications. For **16517NOS** 4500 series brackets, install one spacer on each stud under the bracket to ensure clearance for the pump arm. Your studs/bolts will need to be approximately 1/2" longer for 4500 series and 1/4" longer for 4150 series carbs than your existing parts. ***CAUTION: Double check that the brackets to not restrict pump arm travel.***

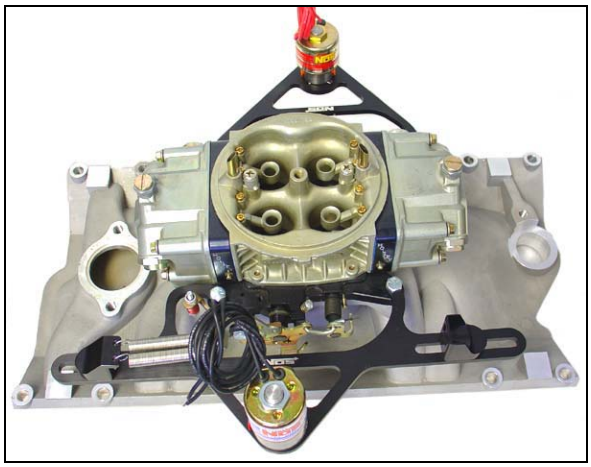




16516NOS & 16518NOS SOLENOID BRACKETS w/ throttle cable hookup (4150/4500):

These kits come with one bracket for solenoid mounting on the passenger's side of the vehicle and one bracket with solenoid and throttle cable mounting provisions for the driver's side of the vehicle. The brackets require studs or bolts slightly longer than your existing parts (~1/2" longer). Both brackets mount with the NOS logo facing up. The 4150 brackets mount directly to the carb base plate and the 4500 brackets mount with spacers, one for each mounting point. The passenger's side bracket installation is similar to the 16515NOS and 16517NOS kits above. Install and tighten the driver's side main bracket. Install the return spring bracket to the carb linkage between the linkage and main body. Use a drop of red Loctite® on the threads and tighten only enough so that the arm can pivot freely. ***CAUTION: Allow Loctite to dry thoroughly before use.*** Install and adjust the return spring brace and springs for the desired spring tension. Loosely attach the cable mount to the rear of the bracket with the supplied bolt. Insert the throttle cable and adjust the cable mount accordingly. Move the throttle mechanism through the full range of motion to ensure no binding or hindered travel before starting or driving your vehicle.





NOTE: The combination of solenoid and microswitch brackets may be used in conjunction on each application.

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