



1963–67 Chevrolet Nova Hydraulic Clutch Conversion Kit With O.E.M 3 Stud Power Brake Booster

- 1) Remove all of the existing factory mechanical clutch linkage components. (Clutch rod, bell crank or Z bar) from under the dash and at the bell housing area.



Figure 1

- 2) Remove the brake master cylinder and booster assembly (if equipped). Carefully remove the brake lines from the master cylinder and mark them to be certain they are reinstalled into the correct ports. Brake lines may need to be rerouted if interference occurs. Only use proper steel brake lines when rerouting the brake lines.
- 3) Assemble the McLeod master cylinder to the mounting plate with supplied screws and lock washers. Tighten screws securely. Install the mounting plate/McLeod master cylinder assembly, passing the pushrod through the firewall. Re-install the factory brake master cylinder on to the mounting bracket. Install washers and nuts. Tighten all four fasteners securely.
- 4) Install the pedal bracket, with the 3/8" hole at the top of the pedal, under the dash with supplied 5/16" bolt and nut. Place the 3/8" bolt through the rod end and spacer, then thru the 3/8" hole in the bracket and, one lock washer and then the nut. Tighten nut securely. Remove the heavy pedal return spring from the pedal, if present. Swing the pedal through its range of motion to be certain there is no interference with any component including wires and/or hoses. See Figure 2.
- 5) Mount the master cylinder reservoir in a convenient location above the master cylinder. Connect the reservoir to the master cylinder with the red hose. Secure the reservoir and hose with supplied clamps. See Figure 3.



Figure 2



Figure 3

Fill the master cylinder reservoir with Dot 3 or 4 brake fluid (**Do not use Silicone based brake fluid!**) Before connecting the bottom of the AN4 line to the slave cylinder, stroke the pedal a few times to bleed the upper system. Connect the McLeod master cylinder to the slave cylinder with the supplied AN4 line and bleed system completely.

- 6) Adjustments to the pedal height can be made at the rod end attached to the bracket on the brake pedal. The pedal must travel the full range of motion to allow full clutch release before the pedal contacts the floor. The push rod must not bottom out into the clutch master cylinder. Be certain to tighten the rod end jam nut when adjustment is complete.
- 7) Re-install the brake lines to the brake master cylinder and pump the brake pedal 5-6 times fast and release the pedal. Repeat this until you get a solid pedal. This will rebound the air bubble back to the master cylinder. If this doesn't work for you, you'll need to bleed the complete brake system.

Limited Warranty

McLeod Racing LLC, products are warranted to be free from defects in material and workmanship for the period of ninety (90) days, from the date of purchase. McLeod does not warrant or make any representations concerning its products when not installed and/or used strictly in accordance with the manufacturer's instructions for such; installation and operation, and in accordance with good installation and maintenance practices of the automotive industry. Products purchased used do not carry a warranty. This warranty is to the original purchaser and is non-transferable.

McLeod Racing LLC will not be held liable for the labor charges and other intangible or consequent losses that might be claimed as a result of the failure of any part, nor shall it be liable for damages or injury to persons or property resulting from the misuse or improper installation of any part subject to this warranty.

No merchandise may be returned for any reason unless prior return merchandise authorization number (RMA) has been obtained from McLeod. An RMA number may be obtained by calling (714 630-2764) McLeod directly.

McLeod Racing LLC reserves the right to examine all parts returned for warranty claim to determine whether or not any such part has failed because of a defect in material or workmanship. McLeod's obligation under this warranty shall be limited to repairing, replacing or crediting, at its option, any part found to be defective. All products returned to McLeod for warranty inspection must be prepaid by the customer under this warranty.

In a racing environment, the type of stress placed on automotive parts can vary dramatically by the type of use, driving style, track preparation, differing tire style and other variables that are out of McLeod's control. For this reason, any parts used in a racing environment shall be void of any warranty either expressed or implied.

There are no other warranties, either expressed or implied including, but not limited to, warranty of merchantability, and warranty of fitness for a particular purpose which extend beyond those set forth in the preceding paragraphs. This warranty shall be interpreted and applied in accordance with California law.

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