

INSTALLATION INSTRUCTIONS FOR THRUSH KIT: 89021

1967-74 Chevrolet Camaro / Pontiac Firebird V8

(Exc. Convertible)

1967-74 Chevrolet Nova V8

Thrush®

2701 N. Dettman Rd.
Jackson, MI 49201

DANGER WARNING: SHOULD THE PURCHASER DECIDE TO INSTALL ANY EXHAUST PRODUCT AT HOME, BE WARNED THAT PASSENGER CAR OR LIGHT DUTY TRUCK/VAN "BUMPER" JACKS ARE INTENDED FOR EMERGENCY USE ONLY. THE USE OF FRAME CONTACT JACK STANDS IN CONJUNCTION WITH A FLOOR JACK AS MAIN SUPPORT IS HIGHLY RECOMMENDED TO MINIMIZE ACCIDENTAL DROPPING OF A VEHICLE DURING THE INSTALLATION PROCESS.

NOTE: Read all instructions before starting any work. **This kit is designed to connect to full length Headers.**

1. Position the Thrush muffler 704093 behind the rear axle in the stock location and support with a floor jack.
2. Install the intermediate pipes, **704089 RH and 704090 LH**, into the muffler inlet connections. See the system diagram for muffler inlet locations. (NOTE: The muffler can be installed with any set of connections as the inlet or outlet.) Finger tighten the 2½" clamps that secure each pipe to the muffler inlet connections.
3. Install the **704088** h-pipe into the intermediate pipes and tighten 2½" clamps enough to hold the pipes in place but still allow adjustments. Temporarily support these pipes.
4. Install reducer adapters **703094**, flanges **160771**, and gaskets **160401** onto the header collectors and attach with the ¾" nuts, lock washers, and bolts provided.
5. Hold the front header extension pipe **704087** up to the reducer adapters and the h-pipe 704088. Measure the extension pipes for possible cut-off. You may need to cut-off on each end for best fit. Once the cut-offs have been made, clamp the extension pipes to the reducer adapters and h-pipe. You may need to remove the reducer adapters from the headers to insert the extension pipes and clamp properly. Support these pipes with jack stands or similar supports. Please see the system diagram.
6. Make sure the muffler is now centered in the area behind the rear axle.
7. Position a **35819** hanger above each intermediate pipe (704089 RH & 704090 LH) just before the bend that starts up over the rear axle. Lightly clamp these to each pipe so that you can locate the holes to be drilled into the floor pan to secure hangers.
8. Raise the muffler and pipes up until the hanger rubber pieces make contact with the bottom of the floor pan. The two rubber pieces of the hanger must be folded together so that the two holes line up. Use the flat metal plate and place this on top of the rubber pieces for reinforcement. Mark the location of the holes with a center punch.
9. Drill out the holes using a ⅝" drill. You will want to remove the back seat so that you can get to the hole locations. Attach the hangers with the bolts, lock washers, and hex nuts provided.

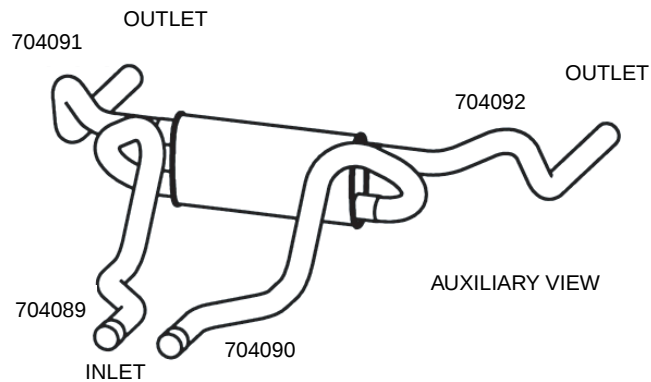
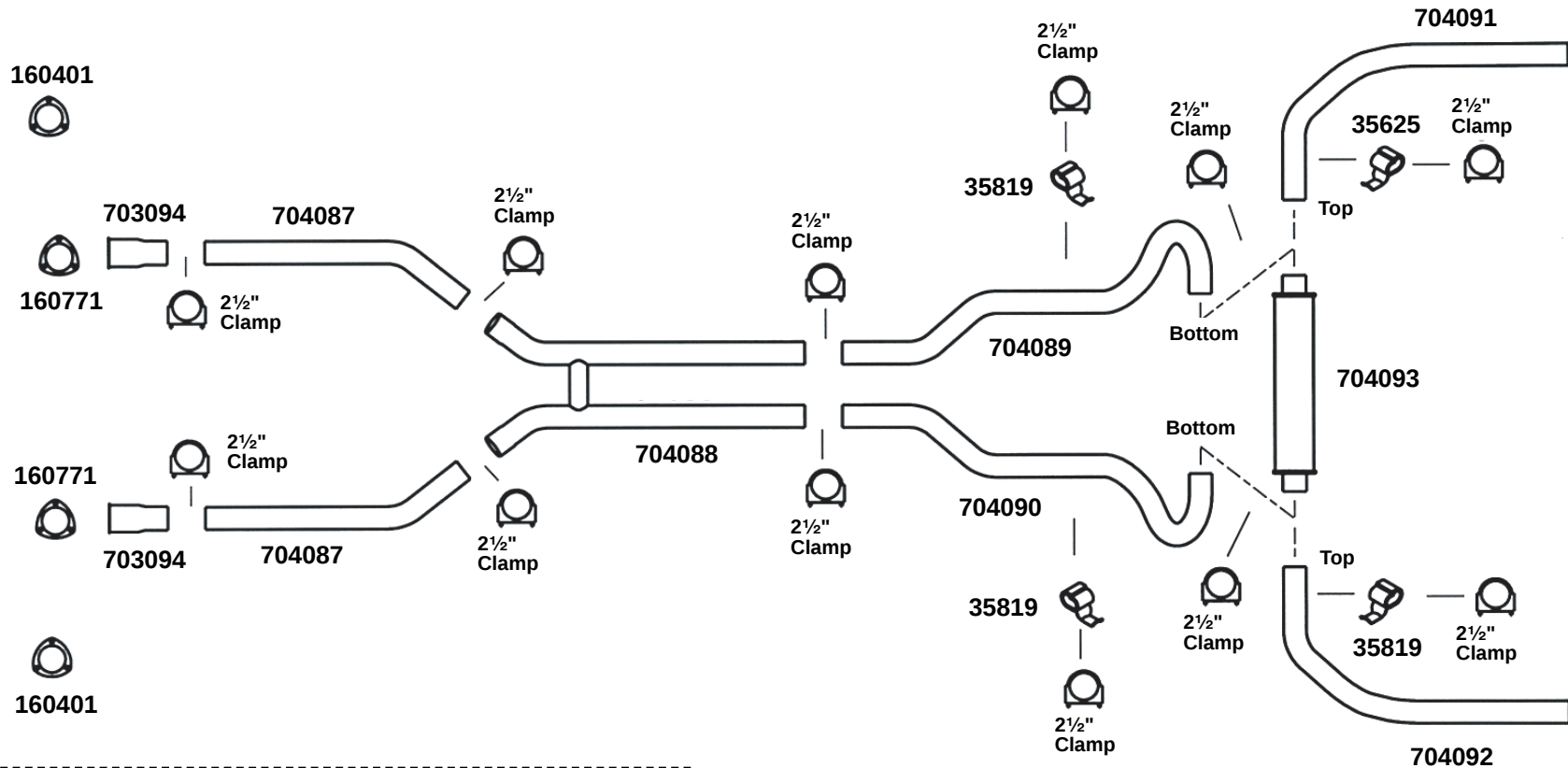
10. You should now be able to let the system be supported by these two hangers.
11. Insert the **704091** RH tail pipe and **704092** LH tail pipe into the muffler outlets. Finger tighten the 2½" clamps that connect the tail pipes to the muffler outlets. The inlet of the tail pipes may need to be trimmed to obtain proper fit between the leaf springs and the body panels. Temporarily support the weight of the muffler again.
12. Install the **35625** hangers at the top of each tail pipe near where each clamps into muffler. You may want to use a second clamp to attach the hanger to each tail pipe. After clamping, locate the hanger to the floor pan so an attachment hole can be drilled. Drill a ⅜" hole in the floor pan on each side so a ¼" self tapping screw can be used to secure the hangers. You may also drill a ⅝" hole and use a regular bolt, lock washer and hex nut. See included photograph.
13. Remove the temporary muffler support and let the system hang.
14. Beginning at the inlet end, align all system components and tighten all connections.
15. See system diagram on the back page of these instructions.

KIT CONTAINS:

703997 FASTENER KIT includes

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|------------------------------|---------------------------------|
| (1) 704093 MUFFLER | (6) ⅜" x 1¼" BOLTS |
| (2) 703094 ADAPTERS | (6) ⅜" HEX NUTS |
| (2) 704087 EXT. PIPES | (6) ⅜" LOCK WASHERS |
| (1) 704088 H-PIPE | (4) ⅝" HEX NUTS |
| (1) 704092 LH TAIL PIPE | (4) ⅝" FLAT WASHERS |
| (1) 704091 RH TAIL PIPE | (4) ¼" x 1" SELF TAPPING SCREWS |
| (2) 35625 HANGERS | (4) ⅝" LOCK WASHERS |
| (2) 35819 HANGERS | |
| (1) 704089 RH INT. PIPE | |
| (1) 704090 LH INT. PIPE | |
| (1) 703997 FASTENER KIT | |
| (2) 160401 GASKETS | |
| (2) 160771 FLANGES | |
| (12) 2½" SADDLE CLAMPS | |
| (1) 704103 INSTRUCTION SHEET | |

89021 SYSTEM DIAGRAM



35625 installed on the LH tail pipe.



35819 installed on the RH int. pipe.