

**INSTALLATION INSTRUCTIONS FOR
THRUSH KIT: 89024**

1973-87 Chevrolet /GMC 1/2, 3/4, 1 Ton Pickups, V8, 4WD only

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 DynoMax Blackjack painted or Cyclone Ceramic coated, or competitive brand, full length Headers.**

1. Install header extension pipes **199484 RH** and **199474 or 199484 LH** onto the header outlet adapters. **NOTE:** Two pieces of extension pipe 199484 are included. On some applications, extension pipe 199484 fits best on the LH side. Test fit 199474 and 199484 to see which fits best on the LH side. Finger tighten the 2½" clamp on the inlet end of the extension pipe to the header adapter. Please see the system diagram.
2. Install the **522148** mufflers onto the extension pipes. Rotate the extension pipes and mufflers to clear the transfer case, drive shaft and frame.
3. Depending on the wheel base length, you will find a cross-member above the inlet or outlet of the mufflers. Locate a hole on the cross-member that can be used to bolt **168061** hanger to support the mufflers. Place 2¼" clamps to secure the hangers to the muffler's inlet or outlet connection. Finger tighten only so adjustments can be made.
4. Locate the **199514 RH** and **199504 LH** tail pipes over the rear axle. Determine if rear extension pipes **199494** need to be installed between the outlet of the mufflers and inlet of the tail pipes. Cut-off on the inlet end of the extension pipes may need to be completed for proper fit. Measure accurately before making each cut.

5. Support the exhaust system with jack stands or boxes so that a location for the rear tail pipe hanger can be determined. Find an existing hole in each frame or cross-member or drill new holes to secure the **107097** and **160701** brackets and the **168061** hangers. Use the nuts, bolts and washers in the kit to secure the hangers to the frame or cross-member. Secure the 168601 hangers to the tail pipes using 2¼" clamps. Finger tighten only. **NOTE:** You may not need to use all the brackets included depending on the location of the holes in your frame or cross-member.
6. Beginning at the inlet end, align all system components and tighten all connections. Please see the system diagram.

KIT CONTAINS:

704083 HARDWARE KIT includes

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|------------------------------|----------------------------|
| (2) 522128 MUFFLERS | (8) 2¼" SADDLE CLAMPS |
| (1) 199474 LH EXT. PIPE | (2) 2½" SADDLE CLAMPS |
| (2) 199484 RH EXT. PIPES | (2) MALE RUBBER GROMMETS |
| (2) 199494 EXT. PIPES | (2) FEMALE RUBBER GROMMETS |
| (1) 199504 LH TAIL PIPE | (4) 168601 HANGERS |
| (1) 199514 RH TAIL PIPE | (2) 107097 BRACKETS |
| (1) 704083 HARDWARE KIT | (2) 160701 BRACKETS |
| (8) 2¼" SADDLE CLAMPS | (8) 5/16" x 1½" BOLTS |
| (2) 2½" SADDLE CLAMPS | (8) 5/16" HEX NUTS |
| (1) 704084 INSTRUCTION SHEET | (8) 5/16" LOCK WASHERS |
| | (10) 5/16" FENDER WASHERS |

89024 SYSTEM DIAGRAM

