

IMPORTANT: Unless certified or exempted by The California ARB, Headers are not legal for sale in California on 1975 or later model vehicles, except for racing vehicles which are not legal for use or operation on any highway. Pre-Catalyst vehicles must utilize original air injection system if so equipped. It is the responsibility of the customer to reinstall the air injection device to his vehicle.



2701 N. Dettman Rd.  
Jackson, MI 49201

**INSTALLATION INSTRUCTIONS**  
**NUMBER: 89016**

1980-95 Ford Pickup 1/2, 3/4 & 1 Ton  
2 & 4 WD  
Ford Bronco - 4 WD only  
302W-351-400 M CID Eng.

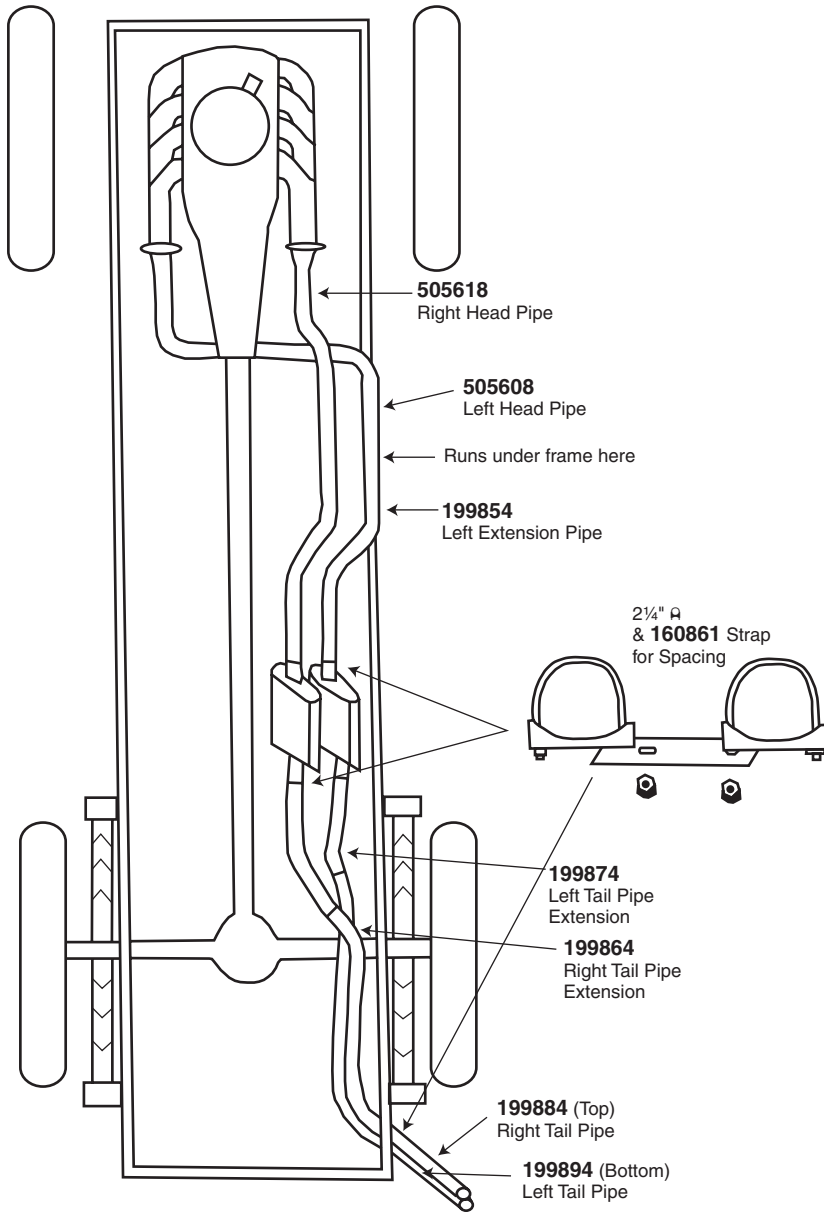
**NOTE: HEADER DUALS.** THIS KIT WAS DESIGNED FOR DYNOMAX HEADER #85053 & #85054. IF THE KIT IS BEING INSTALLED WITH HEADERS OTHER THAN LISTED ABOVE, MODIFICATION WILL BE REQUIRED. DYNOMAX WILL NOT ASSUME RESPONSIBILITY FOR FIT OR PERFORMANCE.

**NOTE: MUFFLERS AND MUFFLER U-CLAMPS ARE NOT SUPPLIED WITH THIS PERFORMANCE EXHAUST SYSTEM.** DYNOMAX HAS DESIGNED THIS KIT FOR USE WITH SUPER TURBO MUFFLER PART #17731, OR AN EQUIVALENT 2 1/4" I.D. INLET x 2 1/4" I.D. OUTLET, SINGLE OFF SET OEM MUFFLER. GLASSPACK MUFFLERS MAY BE USED WITH SLIGHT MODIFICATIONS.

**NOTE:** DUAL KIT RUNS DOWN THE RIGHT HAND SIDE BETWEEN FRAME AND DRIVE SHAFT.

**NOTE:** WILL NOT FIT 1 TON 4 x 4

**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.



1. Remove existing head Pipe crossover and single exhaust system.
2. Install right Head Pipe **#505618** to right side Header Collector using flanges and gaskets supplied. Tighten only enough to hold in place. Install muffler on the end of extension, with the offset slip on muffler on inlet. (See illustration for proper position of mufflers.) Clamp muffler in place using 2¼" muffler U-Clamp.
3. Install left Head Pipe to left side Header Collector using flanges and gaskets supplied. **NOTE:** Pipe should run even with the frame. Install left extension pipe **#199854** using 2¼" muffler U-Clamp. Tighten only enough to hold in place. Install muffler on the end of extension, with the offset slip on muffler as inlet. Position muffler the same as on the right side. Use metal strap supplied, part **#160861** for spacing between mufflers (see illustration). Over the front and rear of the mufflers you will find a cross member that a hole can be drilled in to accept 5/16" bolt, 90° metal bracket and rubber hanger. Clamp hangers to muffler slips using 2¼" muffler U-Clamp.
4. Rotate header Extensions to clear transmission, transfer case and frame. Tighten bolts at collector and muffler clamps at slip connection.
5. Install right tail pipe extension **#199864** into outlet of muffler, install 2¼" muffler clamp over muffler slip. Tighten only enough to hold in place. (Leave the clamp loose enough so you can rotate the pipe.) Install right tail pipe **#199884**, using a 2¼" muffler clamp on slip. **NOTE: The rear section of the tail pipes are stacked on top of each other. Part #199894 is on the bottom. Part #199884 must be installed first.** Position part **#199884** for maximum clearance over the rear axle housing. As the tail pipe goes under in it way out to the rear of the vehicle, find a hole in the area, or drill a new hole to bolt the **#160701** and rubber grommets. **#160701** is the 90° strap with a large hole on one end to accept a male and female rubber grommet, fender washers, 5/16" bolts, lock washers and nuts Clamp hanger to tail pipe.

6. Install left tail pipe extension **#199874** into outlet of muffler, using a 2¼" muffler clamp. **NOTE: This kit is designed to fit vehicles with 133" WB.** Should your vehicle have a shorter wheel base, it will be necessary to remove length. This can be done by cutting it out of the straight sections going into the mufflers on part **#199864** & **#199874**. Should you have a longer wheel base than 133" order part **#199494** from your dealer.
7. Install left (bottom) tail pipe **#199894** using a 2¼" muffler clamp on slip. Position for maximum clearance over the rear axle housing and position close to top tail pipe (approx. ½" apart). Secure tail pipes together using metal strap, part **#160861** and 2¼" muffler clamps.
8. Make sure all parts of the system are clear of frame members, all hoses, suspension and brake lines. Starting at the Headers, tighten all connections making sure all parts are clear and will not leak or rattle.
9. Periodically check the tightness of all Headers Bolts.

#### PARTS LIST

1 505608 Left Head Pipe	9 2¼" Clamps
1 199854 Left Extension Pipe	3 107097 Brackets
1 505618 Right Head Pipe	3 520862 Rubber Hanger
1 199864 Right Tail Pipe Ext.	2 5/16" x 1½" Bolts
1 199874 Left Tail Pipe Ext.	8 5/16" Lock Washers
1 199884 Right Tail Pipe	8 5/16" Nuts
1 199894 Left Tail Pipe	7 145061 Fender Washers
2 139491 Gaskets	2 160701 Hangers
2 221292 Flanges	2 143161 Male Grommets
6 3/8" x 1¼" Bolts	2 143171 Female Grommets
6 3/8" Lock washers	3 160861 Straps
6 3/8" Nuts	6 5/16" x 1¼" Bolts