

KIT #22-2917 8149960 4996

1977-1/2-1991 FORD PICKUP 1/2 & 3/4 TON 2WD & 4WD W/302 V-8

NOTE: CATALYTIC CONVERTERS, MUFFLERS AND SOME CLAMPS ARE NOT SUPPLIED WITH SYSTEM. THIS KIT HAS BEEN DESIGNED FOR USE WITH TURBO MUFFLERS OR AN EQUIVALENT 2-1/4" SINGLE OFFSET MUFFLER. GLASS PACKS MAY BE USED WITH SOME MODIFICATIONS.

NOTE: THIS DUAL KIT WILL NOT FIT SUPER CABS.

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

NOTE: NOT FOR VEHICLES THAT ORIGINALLY HAD A CONVERTER. CHECK LOCAL EMISSION LAWS.

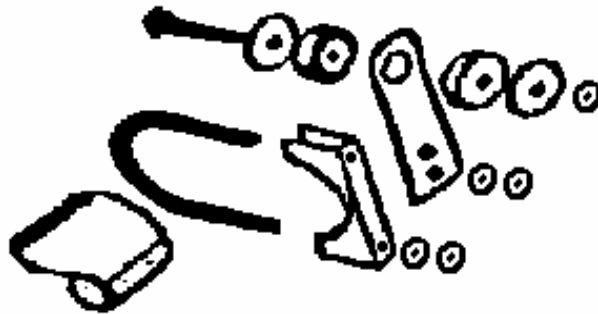
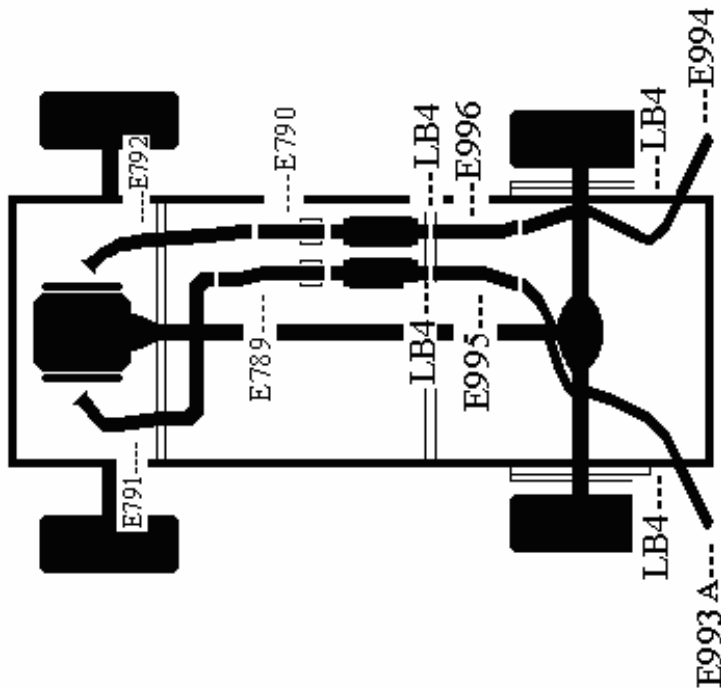
NOTE: YOU MAY NEED TO REPLACE THE MANIFOLD STUDS WITH BOLTS, OR USE SPACERS BETWEEN THE FLANGE AND NUTS.

DANGER WARNING: SHOULD THE PURCHASER DECIDE TO INSTALL THIS EXHAUST PRODUCT AT HOME, BE WARNED THAT PLEASURE 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 WHILE THE INSTALLATION PROCEEDS.

HARDWARE KIT:

- 4) LB4 HANGERS
- 4) SNAPPER GROMMETS
- 4) 5/16" X 1-1/2" BOLTS
- 4) 5/16" NUTS
- 4) 2-1/4" CLAMPS

- 1) #E791 LEFT MANIFOLD PIPE
- 1) #E792 RIGHT MANIFOLD PIPE
- 1) #E790 RIGHT EXTENSION
- 1) #E789 LEFT REAR EXTENSION
- 1) #E996 RIGHT FRONT TAIL PIPE
- 1) #E995 LEFT FRONT TAIL PIPE
- 1) #E993A LEFT REAR TAIL PIPE
- 1) #E994 RIGHT REAR TAIL PIPE



Heartthrob exhaust systems are manufactured by Heartthrob Exhaust--Litchfield, MN

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Email us at mike@heartthroboxhaust.com with any questions.

INSTALLATION INSTRUCTIONS:

NOTE: DO NOT TIGHTEN ANY CLAMPS OR NUTS UNTIL THE LAST STEP!!

1) REMOVE THE EXISTING FRONT CROSSOVER AND SINGLE EXHAUST SYSTEM. CUT THE FRONT CROSSOVER AND REMOVE THE FLANGES. REUSE THE FLANGES FROM THE ORIGINAL FRONT CROSSOVER.

2) INSTALL THE LEFT (#E791) AND RIGHT (#E792) MANIFOLD PIPES USING THE ORIGINAL FLANGES. YOU WILL NEED TO USE YOUR ORIGINAL MANIFOLD STUDS AND NUTS. TIGHTEN ONLY ENOUGH TO HOLD IN PLACE. INSTALL #E893 TO THE LEFT FRONT EXTENSION PIPE (#E891).

3) INSTALL THE LEFT REAR (#E789) AND RIGHT (#E790) FRONT EXTENSION PIPES TO THE MANIFOLD PIPES USING 2-1/4" CLAMPS. CLAMP LIGHTLY INTO PLACE. NOTE: FOR VEHICLES REQUIRING CATALYTIC CONVERTERS TO MEET EPA GUIDELINES, PART# 73-7774 OR EQUIVALENT (2-1/4" IN/OUT) SHOULD BE INSTALLED IMMEDIATELY IN FRONT OF THE MUFFLERS. SEE DRAWING.

4) INSTALL THE MUFFLERS TO THE END OF THE EXTENSION PIPES (SINGLE OFFSET TURBO, NOT INCLUDED IN THIS KIT) ONTO THE FRONT EXTENSION PIPES USING 2-1/4" CLAMPS. IF YOU SHOULD USE LONGER STOCK-TYPE MUFFLERS, ADDITIONAL PIPE MAY NEED TO BE CUT FROM THE ENDS OF THE EXTENSION PIPES. ROTATE THE MUFFLERS FOR CLEARANCE FROM THE DRIVE SHAFT AND FRAME. THE MUFFLERS NEED TO BE INSTALLED VERTICALLY FOR CLEARANCE.

5) LOCATE THE CROSS MEMBER IN THE FRAME AT THE REAR OF THE MUFFLERS. DRILL A 5/16" HOLE AND MOUNT THE LB4 HANGERS TO THE FRAME USING THE INCLUDED 5/16" X 1-1/2" BOLTS, NUTS, AND SNAPPER GROMMET. REMOVE THE STOCK RUBBER HANGER AND SPRING BRACKET FROM THE REAR CROSSMEMBER. THEN CLAMP THE EXHAUST SYSTEM AT THE OUTLET OF THE MUFFLERS TO THE HANGERS USING 2-1/4" CLAMPS. DO NOT TIGHTEN YET!!!

6) INSTALL THE LEFT (#E995) AND RIGHT (#E996) FRONT TAIL PIPES TO THE MUFFLERS. NOTE: THIS KIT WAS DESIGNED TO FIT 133" W.B. TRUCKS. SHOULD YOUR PICKUP HAVE A SHORTER WHEEL BASE, IT WILL BE NECESSARY TO REMOVE THIS LENGTH. THIS CAN BE DONE BY CUTTING IT OUT OF THE STRAIGHT SECTION GOING INTO THE MUFFLERS ON PART# E996 & E995. SHOULD YOU HAVE A LONGER WHEEL BASE THAN 133", ORDER PART #13000 FROM YOUR DEALER.

7) INSTALL THE LEFT (#E993A) AND RIGHT (#E994) TAIL PIPES TO THE FRONT TAIL PIPES USING 2-1/4" CLAMPS. YOU WILL NEED TO CENTER THE HUMP IN THE LEFT TAIL PIPE OVER THE REAR AXLE HOUSING FOR MAXIMUM CLEARANCE (SEE DRAWING).

8) MOUNT THE REMAINING LB4 HANGERS AND HARDWARE TO THE FRAME NEAR THE REAR EXIT LOCATION OF THE TAIL PIPES, WHERE THE TAIL PIPES CROSS UNDER THE FRAME. DRILL HOLES IN THE FRAME IF NECESSARY. CLAMP THE TAIL PIPES TO THE HANGERS USING 2-1/4" CLAMPS.

9) MAKE SURE THAT ALL THE PARTS OF THE SYSTEM ARE CLEAR OF FRAME MEMBERS, ALL HOSES, SUSPENSION, AND BRAKE AND FUEL LINES. STARTING AT THE EXHAUST MANIFOLDS, TIGHTEN ALL CONNECTIONS AND NUTS. MAKE SURE ALL PARTS ARE CLEAR AND WILL NOT LEAK OR RATTLE. AFTER SEVERAL DAYS OF DRIVING RETIGHTEN ALL BOLTS.

LIMITATION OF LIABILITY-DISCLAIMERS: THE REGULATION OF EMISSIONS PRODUCTION, NOISE LEVELS AND SAFETY STANDARDS IS UNDERTAKEN BY THE FEDERAL GOVERNMENT, EACH OF THE FIFTY STATE LEGISLATURES, AND BY MANY LOCAL MUNICIPALITIES, TOWNS AND COUNTIES.

THE MANUFACTURER MAKES NO WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE, OR THAT ITS PRODUCTS ARE APPROVED FOR GENERAL USE, OR THAT ITS PRODUCTS COMPLY WITH LAWS, REGULATIONS OR ORDINANCES IN THE STATES WHERE THEY MAY BE SOLD TO THE ULTIMATE PURCHASER, THE CONSUMER.

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IN THIS CONNECTION, THE RETAIL PURCHASER, THE BUYER, THE ULTIMATE CONSUMER ASSUMES THE BURDEN OF THE ENTIRE COST OF ANY AND ALL NECESSARY SERVICE, ALTERATIONS AND OR REPAIR.

THE FOREGOING STATEMENT LIMITS THE LIABILITY OF THE MANUFACTURER.

CALIFORNIA VEHICLE CODE SECTION 27156 PROHIBITS THE ADVERTISING, OFFERING FOR SALE, OR INSTALLATION OF ANY DEVICE WHICH MODIFIES A VEHICLE'S EMISSION CONTROL SYSTEM. THIS PRODUCT IS THEREFORE NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON VEHICLES EQUIPPED WITH CATALYTIC CONVERTERS.

Build sheet for: 2-1/4" manifold dual kits

Part #: 22-2917, 8149960, 4996

- _____ 1) hardware kit
- _____ 1) #E791 LEFT MANIFOLD PIPE
- _____ 1) #E792 RIGHT MANIFOLD PIPE
- _____ 1) #E790 RIGHT EXTENSION
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Inspected by: _____

Date: _____

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