

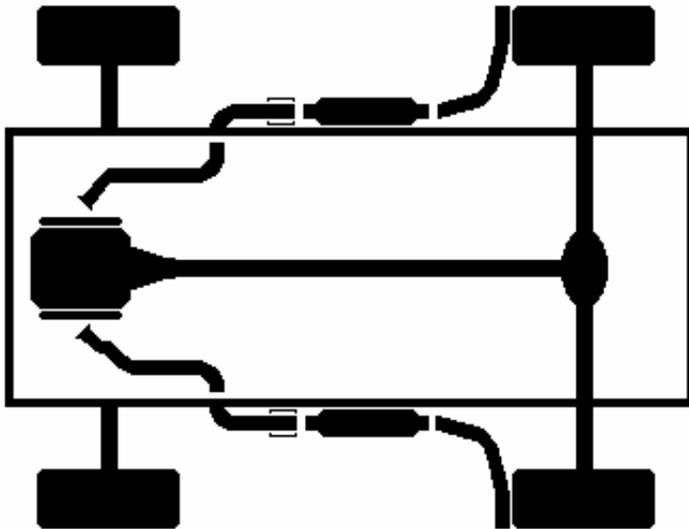
KIT #22-2931 8181570 8157
1975-1987 FORD VAN 2WD V-8 302-351W

NOTE: THIS DUAL KIT RUNS OUTSIDE OF THE FRAME. THE CONVERTERS ARE NOT SUPPLIED IN THIS KIT!!

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) LB7 HANGERS | 1) #16636 LEFT MANIFOLD PIPE |
| 4) SNAPPER GROMMETS | 1) #16637 RIGHT MANIFOLD PIPE |
| 4) 5/16" X 1-1/2" BOLTS | 2) LEFT & RIGHT EXTENSION PIPES #8157-1 |
| 4) 5/16" NUTS | 2) LEFT & RIGHT TAIL PIPES #8157-2 |
| 6) 2-1/4" CLAMPS | 2) GLASS PACK MUFFLERS (3018502) |
| 2) 2" CLAMPS | |



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.

THE ENTIRE RISK AS TO THE CONFORMITY OF THIS PRODUCT IN ANY SUCH STATE AND AS TO REPAIR, SHOULD THE PRODUCT PROVE TO BE DEFECTIVE OR NON-CONFORMING, IS ON THE RETAIL PURCHASER, THE BUYER, THE ULTIMATE CONSUMER, OF SUCH PRODUCT AND IT IS NOT UPON THE SELLER, DISTRIBUTOR, OR MANUFACTURER.

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.

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

Email us at mike@heartthroboxhaust.com with any questions.
www.heartthroboxhaust.com 320-693-0222

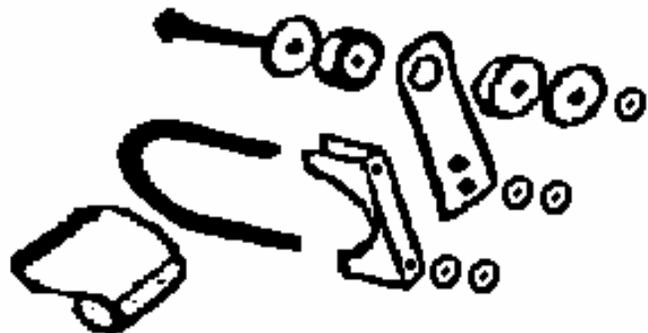
KIT # 22-2931 8181570

INSTALLATION INSTRUCTIONS:

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

NOTE: THIS DUAL EXHAUST SYSTEM RUNS OUTSIDE OF THE FRAME!!

- 1) REMOVE THE OLD EXHAUST SYSTEM. SAVE THE OLD GASKETS, SLEEVES AND FLANGES FROM THE ORIGINAL FRONT PIPE.
- 2) INSTALL THE LEFT (#16636--2" PIPE W/FLARE, 5 BENDS, 60-3/4" LONG) AND RIGHT (#16637--2" PIPE W/FLARE, 4 BENDS, 51" LONG) MANIFOLD PIPES USING THE ORIGINAL GASKETS, SLEEVES, AND FLANGES. YOU WILL NEED TO USE YOUR ORIGINAL MANIFOLD STUDS AND NUTS. TIGHTEN ONLY ENOUGH TO HOLD IN PLACE.
- 3) INSTALL THE LEFT AND RIGHT (#16638) FRONT EXTENSION PIPES TO THE MANIFOLD PIPES USING 2" CLAMPS. CLAMP LIGHTLY INTO PLACE. NOTE: FOR VEHICLES REQUIRING CATALYTIC CONVERTERS TO MEET EPA GUIDELINES, PART # 73-7774 OR EQUIVALENT SHOULD BE INSTALLED ON PIPES #16638. SEE DRAWING.
- 4) INSTALL THE GLASS PACK MUFFLERS ONTO THE FRONT EXTENSION PIPES USING 2-1/4" CLAMPS. NOTE: THE EXHAUST FROM THE VEHICLE SHOULD FLOW OVER, AND NOT INTO, THE LOUVERS OF THE CORE INSIDE THE GLASS PACKS FOR PROPER SOUND CONTROL. ROTATE THE MUFFLERS FOR CLEARANCE FROM THE DRIVE SHAFT AND FRAME.
- 5) DRILL A 5/16" HOLE OVER THE OUTLET OF THE GLASS PACKS AND MOUNT THE LB7 HANGERS TO THE FRAME USING THE INCLUDED 5/16" X 1-1/2" BOLTS, NUTS, AND SNAPPER GROMMET. CLAMP THE EXHAUST SYSTEM TO THE HANGERS USING A 2-1/4" CLAMP.
- 6) INSTALL THE LEFT AND RIGHT TAIL PIPES TO THE MUFFLERS USING THE SAME 2-1/4" CLAMPS USED IN STEP 6). ROTATE TO CLEAR THE BODY. NOTE: THIS KIT IS DESIGNED TO FIT VANS WITH A 138" WHEEL BASE. SHOULD YOUR VAN HAVE A SHORTER WHEEL BASE, IT WILL BE NECESSARY TO REMOVE LENGTH. THIS CAN BE DONE BY CUTTING IT OUT OF THE STRAIGHT SECTION GOING INTO THE MUFFLERS.
- 7) MOUNT THE REMAINING LB7 HANGERS AND HARDWARE TO THE FRAME NEAR THE REAR EXIT LOCATION OF THE TAIL PIPES. CLAMP THE TAIL PIPES TO THE HANGERS USING 2-1/4" CLAMPS.
- 8) 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.



**BUILD SHEET FOR: DUAL KITS W/ GLASSPACKS
PART #: 22-2931 (8181570 OR 8157)**

- ___ 1) 16636 LEFT MANIFOLD PIPE
- ___ 1) #16637 RIGHT MANIFOLD PIPE
- ___ 2) LEFT & RIGHT EXTENSION PIPES #8157-1
- ___ 2) LEFT & RIGHT TAIL PIPES #8157-2
- ___ 1) GLASS PACK MUFFLERS (3018502)
- ___ 1) HARDWARE KIT

INSPECTED BY: _____

DATE: _____

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