

1971-1990 CHEVROLET/GMC VAN 2WD WITH V-8 305-350 C.I.-DOES NOT FIT 1 TON VANS

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

**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:**

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|------------------------------|---|
| 2) LB7 HANGERS               | 1) #16541 LEFT MANIFOLD PIPE            |
| 2) LB4 HANGERS               | 1) #16542 RIGHT MANIFOLD PIPE           |
| 4) SNAPPER GROMMETS          | 2) #15541 LEFT & RIGHT EXTENSION PIPES  |
| 4) 5/16" X 1-1/2" LAG SCREWS | 2) #15542 LEFT & RIGHT FRONT TAIL PIPES |
| 6) 2-1/4" CLAMPS             | 2) #15543 LEFT & RIGHT MID TAIL PIPES   |
| 2) F3214 FLANGES             | 2) #15544 LEFT & RIGHT REAR TAIL PIPES  |

HANGER CONSISTS OF AN 'L' STRAP CONNECTED TO THE FRAME WITH A 5/16" BOLT, WASHER, SNAPPER GROMMET, AND NUT.



**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.

KIT # 22-2909 8141420

**INSTALLATION INSTRUCTIONS:**

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

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

1) REMOVE THE OLD EXHAUST SYSTEM. SAVE THE OLD EXHAUST GASKETS, SLEEVES, AND THE MANIFOLD STUDS AND NUTS FROM THE ORIGINAL FRONT PIPES.

2) INSTALL THE LEFT (#16541) AND RIGHT (#16542) MANIFOLD PIPES USING THE ORIGINAL GASKETS AND SLEEVES. TIGHTEN ONLY ENOUGH TO HOLD IN PLACE. NOTE: FOR VEHICLES REQUIRING CATALYTIC CONVERTERS TO MEET EPA GUIDELINES, CONVERTER PART # 73-7774 OR EQUIVALENT SHOULD BE INSTALLED ON THE END OF THESE EXTENSION PIPES AND DIRECTLY IN FRONT OF THE MUFFLERS. SEE DRAWING. CONVERTERS ARE NOT INCLUDED IN THIS KIT.

3) INSTALL THE LEFT & RIGHT (#15541) FRONT EXTENSION PIPES TO THE MANIFOLD PIPES USING 2-1/4" CLAMPS. DO NOT TIGHTEN. SEE ILLUSTRATION FOR EXTENSION PIPE ROUTING.

4) INSTALL THE MUFFLERS (SINGLE OFFSET TURBO-TYPE RECOMMENDED) ONTO THE FRONT EXTENSION PIPES USING 2-1/4" CLAMPS--DO NOT TIGHTEN. DRILL A HOLE IN THE FRAME OVER THE REAR OF THE MUFFLER TO ACCEPT THE SHEET METAL SCREW PROVIDED. THIS WILL ENABLE YOU TO BOLT A 90 DEGREE 'LB' HANGER TO THE FRAME SO THAT A CLAMP MAY BE INSTALLED ALONG THE REAR OF THE MUFFLER OUTLET. ATTACH THE LB HANGERS TO THE MUFFLER OUTLETS USING 2-1/4" CLAMPS--DO NOT TIGHTEN.

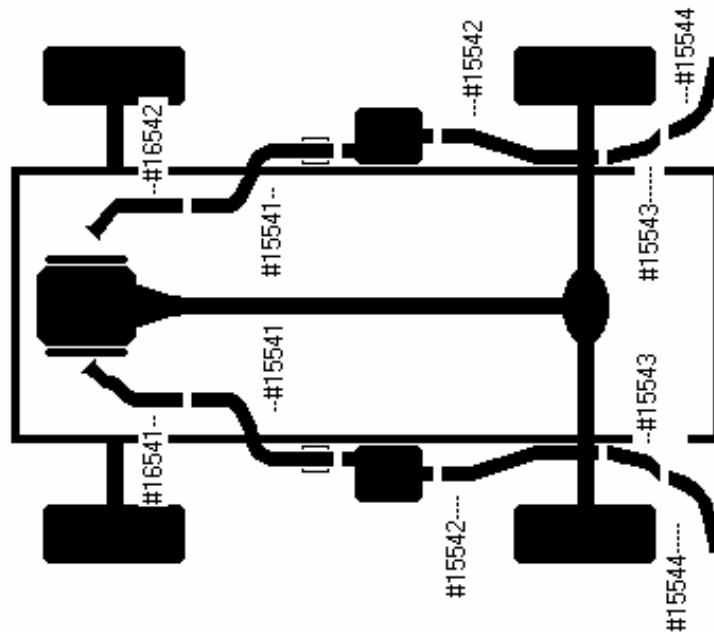
5) INSTALL THE LEFT & RIGHT FRONT TAIL PIPES (#15542) TO THE MUFFLERS USING 2-1/4" CLAMPS. ROTATE SO THAT THEY CLEAR THE TIRES AND BODY. NOTE: THIS KIT IS DESIGNED TO FIT VANS WITH A 125" WHEEL BASE. SHOULD YOUR VAN HAVE A SHORTER WHEEL BASE, IT WILL BE NECESSARY TO REMOVE LENGTH IN THE PIPES. THIS CAN BE DONE BY CUTTING IT OUT OF THE STRAIGHT SECTION GOING INTO THE MUFFLER ON PART #15542.

6) INSTALL THE MID SECTION TAIL PIPES (#15543) TO THE FRONT SECTION TAIL PIPES USING 2-1/4" CLAMPS. ROTATE THE PIPES TO CLEAR THE LEAF SPRINGS.

7) INSTALL THE REAR TAIL PIPES (#15544) TO THE LEFT & RIGHT MID TAIL PIPES USING 2-1/4" CLAMPS. TRIM TAIL PIPES TO YOUR DESIRED LENGTH.

8) DRILL A 1/4" HOLE IN THE FLOOR BOARD TO BOLT THE OTHER 90 DEGREE 'LB' HANGERS AND MOUNT THE LB HANGER, GROMMET, AND LAG SCREW TO THE VEHICLE. CLAMP THE HANGERS TO THE TWO TAIL PIPES 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.



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

Part # 22-2909, 4142, 8141420

- \_\_\_\_\_ 1) #16541 LEFT MANIFOLD PIPE
- \_\_\_\_\_ 1) #16542 RIGHT MANIFOLD PIPE
- \_\_\_\_\_ 2) #15541 LEFT & RIGHT EXTENSION PIPES
- \_\_\_\_\_ 2) #15542 LEFT & RIGHT FRONT TAIL PIPES
- \_\_\_\_\_ 2) #15543 LEFT & RIGHT MID TAIL PIPES
- \_\_\_\_\_ 2) #15544 LEFT & RIGHT REAR TAIL PIPES
- \_\_\_\_\_ 1) hardware kit

Inspected by: \_\_\_\_\_

Date: \_\_\_\_\_

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