

## **Installation Instructions for 30504 2-1/2" Dual Exhaust Kit w/ Turbo Mufflers**

**Application: E-body, 1970-1974 Challenger, Barracuda, all with V8, standard headers, and with 3" collectors at the headers.**

NOTE: For those with 3-1/2" collectors, you will need to purchase an additional header collector kit.

NOTE: The headers are not included in this kit!! We recommend use of Dynomax headers for this application. Modifications may need to be made for different styles of headers, including cutting and welding, or extra length pipes. For vehicles with 3-1/2" collectors, you will need to order a 3-1/2" header collector kit, part # 30006.

### **Hardware Kit Includes:**

- |                        |                                  |
|------------------------|----------------------------------|
| 2) ST4 Metal Hangers   | 6) 5/16" Lock Washers            |
| 2) Fender Washers      | 2) #MP48005 3" Collector Gaskets |
| 6) 5/16" Nuts          | 2) Header Collectors 3"- 2-1/2"  |
| 2) Lag Screws          | 2) 5/16" x 1-1/2" Bolts          |
| 12) 2-1/2" Clamps      | 4) 5/16" x 1" Bolts              |
| 2) F33 Flanges         | 2) Angle Bracket Hangers #2825   |
| 6) 3/8" Nuts           | 2) BR104 Rubber Hangers          |
| 6) 3/8" Lockwashers    | 2) BR4 Metal Hanger Bracket      |
| 6) 3/8" x 1-1/4" Bolts | 2) Snapper Grommets              |

### **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. We recommend the use of a shop hoist if possible. Please use caution!

**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, retail purchaser, the buyer, the ultimate consumer assumes the burden of the entire cost of any and all necessary service, alterations, and or repair.

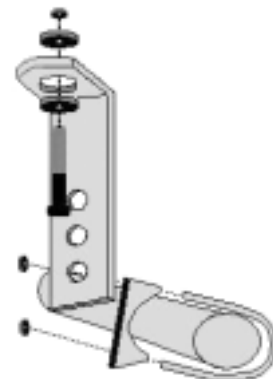
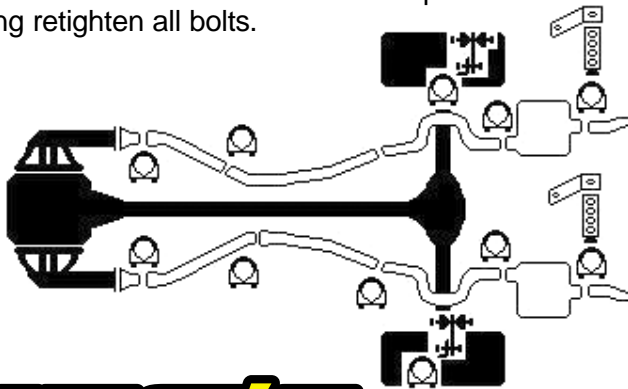
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**NOTE: DO NOT TIGHTEN ANY BOLTS OR CLAMPS UNTIL THE LAST STEP!**

1. Raise the automobile in a safe and suitable manner. Support with jack stands onto the frame.
2. Remove the old exhaust system after the headers. Remove the old hangers. New universal hangers are included in this kit to replace the original hangers.
3. Install the collectors to the headers using the MP48005 gaskets and F33 flanges, and enclosed 3/8" hardware. Tighten at this time, using the 3/8" x 1-1/4" bolts, nuts, and lock washers.
4. Install the I.D. ends of the left (#8158731—2 bends) and right (#8158732—1 bend) front extension pipes to the collectors using 2-1/2" clamps. Be sure to leave adequate clearance between the floor boards, the drive shaft, and the cross-member. NOTE: If these pipes do not fit your headers, you may need to modify as necessary (cut and weld) for fit. These kits were designed for use with Dynomax headers.
5. Install the I.D. ends of the left (#8158733—2 bends) and right (#8158734—3 bends) rear extension pipes to the left and right front extension pipes, using 2-1/2" clamps.
6. On the passenger side of the exhaust, you will need to install the ST4 metal hanger to the O.E. mounting hole above using a 5/16" x 1-1/2" bolt, nut, lock washer and snapper grommet. On certain models the end with the large hole of the hanger may need to be bent at a 90 degree angle to mount properly. Install the BR4 bracket to the ST4 metal hanger using a 5/16" x 1 bolt, nut, lock washer. Repeat for the driver's side. If you have the factory dual exhaust and the O.E. hanger mounting hole, you will need to bend the hanger as before. If you have factory single exhaust and no driver's side O.E. mounting hole, use the ST4 hanger as it is, and mount to the cross member above, near the same type of location on the opposite side. You will need to drill a 5/16" hole. Repeat the rest for the bracket using the appropriate hardware.
7. Install the left (#8158735) and right (#8158736) over-the-axle pipes to the rear extension pipes using 2-1/2" clamps. Use 2-1/2" clamps to connect the over-the-axle pipes to the BR4 brackets above.
8. Install the mufflers (offset in, towards drive shaft/center out) onto the rear extension pipes using 2-1/2" clamps. Rotate the pipes for general clearance.
9. Mount the angle bracket hangers to the frame at the O.E. hole for the hanger in the frame at the rear, using the original bolts, or a lag screw. If you had factory single exhaust and no O.E. hanger at the rear on the driver's side, you will need to drill a hole in the frame in approximately the same location as that on the passenger side. Attach a BR104 hanger to this angle bracket hanger for both sides using 5/16" x 1" bolts, lock washers, nuts, and fender washers.
10. Install the left and right (#8158737) turndowns to the mufflers using 2-1/2" clamps. Connect these clamps to the BR104 hanger that was mounted in step 9).
11. Make sure that all the parts of the system are clear of frame members, the cross member, driveshaft, floor, all hoses, suspension, and brake and fuel lines. Starting at the collector pipes, 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.



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