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HEADER INSTALLATION INSTRUCTIONS

Part # D103

**1968-70 AMX, 1968-74 Javelin, 1971-74 Matador
1972-74 Gremlin, 1970-74 Hornet (will not fit 70 Hornet Auto)**



This product is Legal for use on 1974 and older non catalyst equipped vehicles and is considered a "replacement part" per California Air Resources Board regulations, as long as ALL emissions sensitive components are retained, including A.I.R., EGR, Heat Risers etc. Failure to retain any of these components, or use on any 1975 or newer catalytic converter equipped car would render this product Illegal for Street or Off Highway Use in California, or in states that have adopted California Emissions regulations and may only be used for Closed Course Competition.

PerTronix® thanks you for choosing **DOUG'S HEADERS**, the best fitting, highest quality header on the market. In order to realize the full potential of our good fit, please read and understand these instructions completely prior to starting work.

Check to make sure you received the proper parts for your application. The header number will be stamped on the engine flange. If you are unsure you have received the proper parts call before you start work.

Be sure to work safe! Whenever you work under the vehicle be sure that it is located on level, solid ground and is supported by adequate safety stands! **Remember: Hot asphalt will not support most jack stands!**

Many factors affect the installation of headers, some of which are broken or aftermarket motor mounts, accidents that impact the configuration of the frame, and/or the installation of different engines or aftermarket cylinder heads. Most installations require some welding. If you are uncomfortable with welding operations, we recommend that you contact a professional exhaust system specialist to install your new headers.

Attention Customers breaking in new engines: Due to the extreme heat generated during the break-in process, the appearance of the ceramic coating may be altered in certain areas. The protection characteristics and thermal barrier properties of the coating is never compromised. It is recommended that a cast iron manifold or old set of headers be used for this process.

Notice: The coating of these headers can be marred or scratched during installation. If the header needs to be returned and is damaged, you will be charged for recoat.

DISASSEMBLY

1. Disconnect the negative battery cable from the battery.
2. If a car lift is not available, raise the vehicle 3 feet or higher and support it with adequate safety stands. Make sure the vehicle is on a flat solid surface and is stable.
3. Apply penetrating oil to all nuts and bolts to be removed.
4. Remove and mark all spark plug wires and then remove all spark plugs and the starter motor.
5. Remove the Oil Dipstick Tube and remove the Clutch Linkage on stick shift cars, shift linkage on column shift autos and the Transmission filler tube from the back of the head if Automatic.
6. Disconnect the head pipes from the exhaust manifolds and remove the stock exhaust manifolds.
7. If the car has an Air Injection pump this will have to be removed as these headers will not work with it.

8. Remove the gaskets and any gasket material or any carbon deposits that remain on the head surface.
9. At this point it may be necessary to cut the head pipes to allow room to install the headers.

INSTALLATION

1. 73-74 Javelins and 74-75 Matadors will require modification of the driver's side motor mount. The front upper corner will need to be cut. See Photo A.
2. Starting with the driver's side, work the header up into position from below.
3. Slip the gasket into position and start all the supplied header bolts and lock washers.
4. Install only the front header bolt to hold the header.
5. Reinstall the clutch or shift linkage with the header loose.
6. Install the gasket and all the header bolts. Tighten the bolts in an even pattern working from the center outwards.
7. The Passenger side header has one slip tube, the #4 tube. You will need to cut the flange to separate the tube. It is cut about 90% at the factory to prevent shipping damage. Remove this tube.
8. From below, work the passenger's side header up into position, but do not install any bolts.
9. With the header still loose, re install the starter motor.
10. Slip the gasket into position and start all the supplied header bolts and lock washers.
11. Install the #4 tube from below, insert it into the main header and bolt to the head.
12. Tighten the header bolts evenly starting from the center.
14. Reinstall Oil Dipstick tube and Transmission fill tube, it might be necessary to fabricate and extension for the filler tube bracket to fit around the headers.
15. Bolt the supplied reducers to the headers using the supplied gaskets, bolts, nuts, and washers. If reusing the stock exhaust, cut the headpipes so that they meet the reducers and weld in place.
16. Install the spark plugs and connect the wires to the proper plug.
17. Connect the battery cables.

IMPORTANT CHECK LIST

- Be sure that all brake lines, transmission lines, and fuel lines are clear of headers and/or connector pipes.
- All spark plug wires, battery cables, or other electrical components should be clear of headers and/or connector pipes.
- If dipstick tube was removed, make sure it is installed properly and that the dipstick has been replaced.
- Double-check the tightness of all bolts including brackets and accessories.

START THE ENGINE

Start the engine and allow it to warm up to operating temperature. Check for any unusual noises or exhaust leaks. If everything is OK, stop the engine and tighten all bolts while the engine is still warm. **NOTE:** Check the bolts periodically to make sure they have not loosened. Re-tighten after the first 500 miles and then again at 1000 miles

PARTS LIST

Qty	Description
1	Left Side Header
1	Right Side Header
2	Header Gaskets
2	Reducers
2	Collector Gaskets
12	3/8" X 1" Header Bolts
4	5/16 X1" Header Bolts (Some heads have 5/16" bolts on the end holes)
6	3/8"-16 X 1 1/4" Hex Head Cap Screws
6	3/8"-16 Hex Nuts
18	3/8" Lockwashers
4	5/16" Lockwashers
2	Doug's Stickers

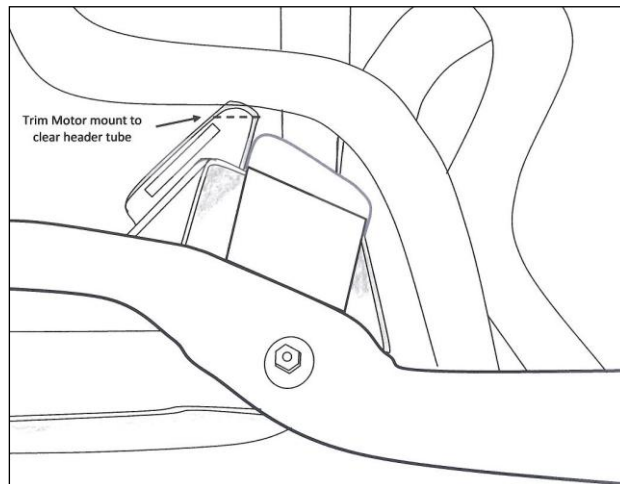


Photo A: Motor Mount Modification



WARNING:

This product can expose you to chemicals including Lead, Nickel, Cadmium and Chromium which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov