

PATRIOT

EXHAUST PRODUCTS

A PerTronix Performance Brand ~ www.pertronixbrands.com ~ 909 599-5955

Installation Instructions & Warranty Information

H8211 ~ 1972-93 Dodge 1/2 & 3/4 Ton Pickup
1974-93 Dodge Ramcharger/Plymouth Trailduster
318-360 Engine, 2 and 4WD
Long Tube Headers

- Will NOT work on engines with Air Injection without modification, if you have air pump heads and no air pump, you will need to plug the holes in the heads.
- Retention of factory heat stove will require modification.
- Some factory High Torque starters will NOT clear the header.



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This product is legal for use on 1975 and older Non-Catalyst equipped vehicles and is considered a "Replacement Part" per California Air Resources Board regulations, providing ALL emissions sensitive components are retained, including EGR, A.I.R., Heat Risers, etc. and any original or retrofit PCV or NOx device is required for the year of the vehicle. Failure to retain any of these components, or use on ANY originally catalyst equipped vehicles, would render this product illegal for street or off highway use and may only be used for Closed Course Competition.

⚠ 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

REV. 3 3-2-21 DSL

PLEASE READ BEFORE PROCEEDING

PerTronix® thanks you for choosing a Patriot Exhaust Product. To realize the potential of Patriot's engineering and excellent fit, Please Read and Understand these instructions completely prior to starting the installation.

Check that you received all the parts listed on the parts list, if you have any concerns, please contact PerTronix before continuing. Headers will have the part number stamped in the flange.

Work Smart – Work Safe! Most Header and Exhaust Installation are best performed on a lift. If a lift is not available, raise the vehicle and support on quality Jack Stands on level ground. Do not rely on a jack!

Many factors affect the installation of exhaust headers, including worn or aftermarket motor mounts, previous accident damage, aftermarket cylinder heads that may have relocated port or spark plug locations, suspension and steering changes, sagging of original unibody structures due to age.

Coating Notes: Coatings can be marred during installation if you are not careful. If you are breaking in a new motor, the extreme heat can alter the appearance of the coating and this is not a warranty issue. We recommend breaking in new motors with stock manifolds or an old set of headers.

We use sealing beads on all our headers. The raised bead creates a better seal virtually eliminating leaks if installed properly. It is important to install all header bolts lightly snug and then tighten to factory torque specs starting in the center and working outward.

Before starting, allow the vehicle to cool, disconnect the battery, and spray a penetrating oil on all hardware and fittings that will need to be removed. Once you remove your manifold, clean the sealing surface on the head of any old gasket debris or carbon build up.

DISASSEMBLY

1. Remove bolts attaching head pipes stock manifolds, then remove the stock manifolds and head pipes from the truck.
2. Raise the truck at least 2' from the ground using Jack Stands to support - never work under a jack without support stands.
3. Remove the oil filter and bend the automatic transmission dipstick out from the motor approximately 2"
4. Remove the starter motor and clutch linkage if so equipped.
5. On 4 WD models, removal of the front driveshaft will facilitate installation.
6. Remove the gaskets and any gasket material or any carbon deposits that remain on the head surface.

INSTALLATION

1. Place a header gasket over the studs on the heads. Starting on the Driver's side, slip the header roughly into position from the bottom.
2. Install the factory washers and nuts, but leave them loose.
3. Slip the starter back in to place with the header loose, and tighten the starter bolts. Carefully reroute the wires to the starter ensuring that they are away from the header.
4. Tighten the nuts evenly starting in the center and working your way out.
5. Slip the passenger side header into position from the bottom. Install the factory washers and nuts and tighten evenly starting from the center and working your way out.
6. On some models, it may be necessary to trim or bend the firewall flange for clearance of the R-3 Tube.

7. If the Heat Stove is required, trim to slip over the header and bolt back in place.
8. Reinstall the clutch linkage if removed and install a new oil filter.
9. Bolt the supplied reducers to the headers using the gaskets and hardware from the kit. If reusing the existing exhaust system cut and modify as necessary to connect to the headers.
10. Carefully check that all wiring and hoses are clear of the head and relocate if necessary.
11. Reinstall the front driveshaft on 4WD models
12. Connect the negative battery cable.

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

1 Left side header	1	Right side header
2 Header gaskets	2	Reducers
2 Reducer Gaskets	6	3/8-16 x1" Collector Hex head bolts
6 3/8-16 Hex Nuts		

PATRIOT EXHAUST LIMITED WARRANTY

All Patriot Headers and Exhaust products are guaranteed, to the original purchaser, to be free of defects in material and workmanship for one year from date of purchase. This warranty covers the replacement or repair of the product and does not cover the cost of removal and installation, customer applied coatings, or Any discoloration or corrosion of finished surfaces.

Damage or product failure resulting from collision, improper installation, off road use, road hazards, the use of exhaust insulating wrap, or rust occurring after installation is not covered by the warranty. This warranty extends only to the original purchaser.

Should a part be deemed defective, it should be returned to the original selling retailer and must be accompanied by the sales receipt. If there is no retailer in your area, contact PerTronix direct for a return authorization and return the part prepaid to the factory for inspection. PerTronix reserves the right to replace or repair the alleged defective part and return the part freight collect.