

JBA

PERFORMANCE EXHAUST

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

Installation Instructions & Warranty Information

6673S ~ 2005-10 Mustang 4.6L 3V 2.5" Collector

6675S / 36675S ~ 2005-10 Mustang 4.6L 3V 3" Collector
Long Tube Race Headers



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This product is **ILLEGAL** for street or off highway use and is only intended for Closed Course Competition use and may never be operated on the street or for off highway use, except for 1965 and older US manufactured, California Certified vehicles; 1967 and older foreign manufactured vehicles, which may have this product installed as long as the vehicle still meets emissions standards for the year of the vehicle and retains any original or retrofit emissions control devices, including EGR, A.I.R. and any NOx device required for the year of the vehicle.

⚠ 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. 7 2-9-21 DSL

PLEASE READ BEFORE PROCEEDING

PerTronix® thanks you for choosing a JBA Performance Exhaust Product. To realize the potential of JBA'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!

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.

Ford installs hydro mount bushings on these cars to lessen Noise, Vibration, and Harshness. Under extreme driving conditions these mounts allow excessive engine movement which can allow contact between the header and the chassis. We recommend replacing these motor mounts with performance mounts available from Steeda PN# 555-4005.

1. Loosen the clamps connecting the H-pipe to the exhaust system. Disconnect the exhaust system from the H-pipe assembly. Unplug the O2 sensors and remove the converter assembly from the vehicle.

Driver side:

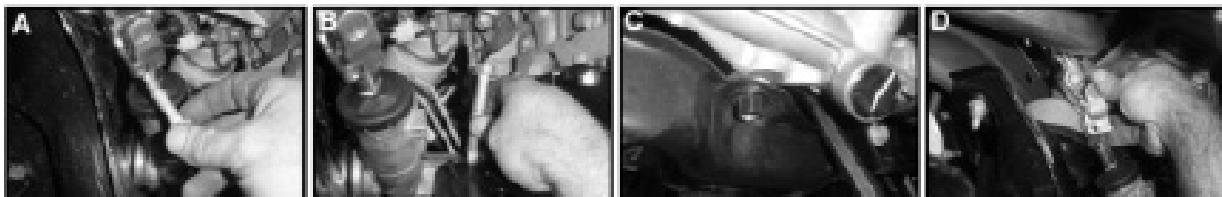
2. Remove the nut on the driver side motor mount to allow the engine to be raised.

3. Remove the nuts attaching the manifold to the cylinder head.

4. Raise the engine approximately 1", remove the manifold. With the manifold out - lower the engine.

5. Remove the two lower rear exhaust studs, and the three rear top studs. Remove the dipstick.

6. (A) Remove the lower bolt from the steering shaft coupler at the power steering rack. (B) Remove the bolt attaching the steering rack to the frame on the driver's side. Loosen the same bolt on the passenger side. (C) Slide the power steering rack forward on the driver's side approx. 1". (D) Remove steering shaft coupler from the rack. (See images)



7. Install the JBA Header gasket on the remaining studs.

8. Raise engine about 1" and install the new JBA Header. Install the supplied bolts w/ lock washers where you removed the studs. Re-install the dipstick. You will have to space the top mount away from the head with the spacer provided. Reconnect the steering coupler, move the Rack back into place.

Replace the mounting bolt and tight both bolts securely. Lower engine, replace mount nut.

Note: To ensure a tight seal - use an alternating torque sequence to snug the header to the head working both top and bottom bolts in evenly. Failure to do this will result in leaks.

Passenger Side:

9. Remove the passenger side motor mount nut to allow the engine to be raised. Remove the three bolts from the starter. Let it rest on the frame for now. Raise the engine approximately 1" - then unbolt and remove the manifold.

10. Leave the top forward stud in place, remove the other seven. Install the JBA Headers Gasket.

11. Slip the new header into place. (With the engine raised, slip the header past the starter boss till the boss is between the 3rd and 4th tubes. Then lower the engine until the header will slip over the starter boss. Then raise the engine up to finish the placement of the header. You will have to lower it to finish the installation - see picture below). Replace the motor mount nut, and tighten securely.

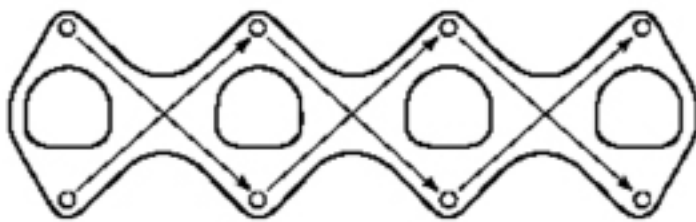
12. Replace the starter. Install the O2 sensors into the headers using a light dab of anti seize. Connect the O2 sensors using the supplied extension harnesses.

13. Install the appropriate JBA Mid Pipe (sold separately) to complete your installation. Reconnect the exhaust. Reconnect the battery cable. Recheck everything for adequate clearance on A/C lines, steering shaft, brake lines, etc.

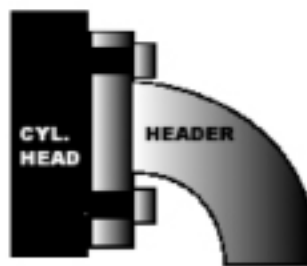
14. Start the engine and let it warm up. Check for leaks. Shut engine off and let it cool down. Check to make sure all fasteners are tight.

15. Periodically check and retighten the header bolts

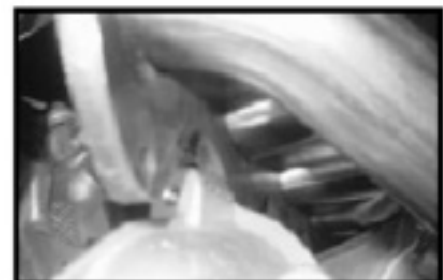
Torque Sequence - Alternate top to bottom



CORRECT



WRONG (LEAK)



Parts List:

- | | |
|-------------------------------------|---|
| (1) Driver's Side Header Assembly | (1) Passenger's Side Header Assembly |
| (1) Dipstick tube spacer (3/8" Nut) | (2) O2 Sensor Harness Extensions |
| (2) JBA Header Gaskets | (16) 8mm Header fasteners w/ lock washers |

JBA LIMITED WARRANTY

All JBA Headers and Exhaust products are guaranteed, to the original purchaser, to be free of defects in materials and workmanship for one year. This warranty covers the replacement or repair of the product only and does not cover the cost of removal and installation, customer applied aftermarket 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 like products or rust occurring after installation, is not covered by the warranty. The warranty extends only to the original purchaser.

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