

# JBA

## PERFORMANCE EXHAUST

A PerTronix Performance Brand ~ [www.pertronixbrands.com](http://www.pertronixbrands.com) ~ 909 599-5955

### ***Installation Instructions & Warranty Information***

2007-14 5.4/5.8 Ford Mustang Shelby GT500

6695S/36695S 1 3/4" ~ 36696S 1 7/8"

Long tube Race Headers

***Due to different years using different O2 Sensors, the O2 Extensions for these Headers Must be ordered separately!***



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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](http://www.P65Warnings.ca.gov)

REV. 8 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.

### ***This is an involved installation - Allow Plenty of Time - 12 hours is not uncommon. READ Instructions Before starting!!!***

1. Remove both battery cables. Remove the battery hold down strap. Remove battery from car. Disconnect wire loom attachment at inside forward corner of battery box. Remove three bolts securing battery tray to chassis, remove tray
2. Loosen the clamp securing the air inlet hose to the throttle body. Remove the bolt attaching the air box to the chassis. Disconnect the vacuum line, wire harness, and PCV connector, from the air inlet hose. Remove the air box, and air inlet hose.
3. Remove the four nuts attaching the strut tower brace to the chassis. Remove strut tower brace.
4. From Underneath:  
Loosen clamps attaching exhaust pipes to catalytic converter assy. Release retaining clip, and slide clamp rearward. Disconnect the O2 Sensor plugs, remove nuts attaching pipe to manifolds, remove converter assy from car.
5. Remove bolt from steering coupler at steering rack.
6. From under the dash: Remove the nuts from the steering shaft plate at the firewall. Remove the bolt connecting the steering shaft to the steering wheel stub shaft. Collapse the steering shaft to disengage from the stub shaft, remove steering shaft from vehicle.

7. Remove the 15mm nut from the motor mount stud, on the driver's side. Using a block of wood under the oil pan, raise engine about 1".
8. Remove the driver's side exhaust manifold, dipstick, and manifold studs. Lower engine.
9. Using a clean drain pan, drain radiator. Retain coolant for re-use.
10. Remove hose clamps from water pipe passing under driver's side head. Unbolt three screws attaching pipe to head, and oil filter bracket. Without damaging rubber hoses, remove water pipe\*.  
\*NOTE: It is possible to leave the stock metal water pipe in place, however the header install will become increasingly difficult if left untouched. The rubber hose and attachments are provided to give the option for an easier install. The choice is yours.
11. Using connectors, clamps, and hoses supplied, reroute coolant hose up behind cylinder head, over valve cover, under throttle body, around front of valve cover, to original connection point.
12. Install an O2 Extender harnesses. Tuck it into the metal heat shield, and bend the shield to retain as necessary.
13. Using the supplied hardware. Install the two lower center header bolts about 3 turns with the supplied gasket on the cylinder head. Install the header over the two center bolts. Install bolts in remaining holes. Tighten evenly. Reinstall dipstick.
14. Re-install and secure motor mount bolt.
15. Remove the three bolts attaching starter to the bellhousing. Reposition starter to allow it to hang below the crossmember, it is not necessary to disconnect the wiring and remove it.
16. Remove the Passenger side motor mount bolt. Spray some penetrating oil on the EGR tube nut on the exhaust manifold, these are usually difficult to get loose.
17. Using a block of wood on the oil pan, raise the engine about 1".
18. Remove the EGR nut on the manifold, then Remove exhaust manifold, and studs.
19. Lower engine, re-secure motor mount bolt.
20. Install an O2 Extender harnesses. Tuck it into the metal heat shield, and bend the shield to retain as necessary.
21. Using the supplied hardware. Install the two lower center header bolts about 3 turns with the supplied gasket on the cylinder head. Install the header over the two center bolts. Install bolts in remaining holes. Tighten evenly. Connect the EGR tube.
22. Re-install starter. Install the O2 sensors into headers using a light dab of anti seize, connect to the extender harness and secure leads.
23. Check to insure adequate clearance between collectors and heat shielding, adjust as necessary.

24. Re-install steering shaft- Slip coupler onto rack before you tighten nuts on firewall.
25. Re-install battery tray, wire loom clip, battery, and battery strap.
26. Re-install air box and air inlet tube. Connect vacuum line, wire harness, and PCV line. Install hold down bolt.
27. Re-check everything. Clearance on wire looms, brake lines, coolant lines, etc. Refill coolant system.
28. Reconnect battery cables. Start engine, check for leaks.
29. Allow engine to reach operating temperature. Check coolant level.

Parts List:

- |                                   |                                      |
|-----------------------------------|--------------------------------------|
| (1) Driver's Side Header Assembly | (1) Passenger's Side Header Assembly |
| (2) Header Flange Gaskets         | (1) Water hose                       |
| (4) Hose Clamps                   | (2) V-Band Clamps                    |
| (16) Header Bolts                 | (16) header Bolt Lockwashers         |
| (2) Heater Hose Connectors        | (2) V-Band Header Reducers           |

***NOTE: Due to Different O2 sensors used in different year GT500's, O2 sensors extensions are NOT included with these headers They must be ordered separately.***

### **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.