

JBA

PERFORMANCE EXHAUST

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

Installation Instructions & Warranty Information

1685S ~ 2011-2014 Mustang 5.0

Cat4Ward® Headers



PERTRONIX PERFORMANCE BRANDS EMISSIONS CODES

This product has been granted a California Air Resources Board (CARB) Executive Order (EO Number) Exemption. It is 50 State Legal when installed on the Specified vehicle per the Manufacturer's Current Application Guide, the CARB EO, and Installation Instructions.

REV 3/2022

1

⚠ 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. 8 5-10-22 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.

This header installation is time consuming. The factory uses locking nuts on the exhaust manifolds and due to tight working areas they can only be turned a small amount at a time. Allow yourself plenty of time and make sure you have the correct E8 External Torx® Socket for the exhaust stud socket removal.

1. From underneath the vehicle, unbolt factory the exhaust system from the exhaust manifold collectors. Unplug the O2 sensors from the cats. Remove the clamps from the cats to the factory H-Pipe and remove the Cats from the car.

DRIVER'S SIDE

1. Remove the steering shaft from the U-Joint on the steering rack.

2. Place a jack under the oil pan, using a block of wood to spread the load. Lightly jack up the motor to remove the weight from the motor mounts. From the top, unbolt the large nut in the center of the motor mount. From below, remove the 4 bolts that hold the Aluminum motor mount stand to the engine block. Jack the motor up about 2-3" and remove the Aluminum motor mount stand.

3. Unplug the O2 sensors.

4. Remove the nuts that hold the stock exhaust manifolds to the cylinder heads.

5. Remove the manifold studs from the head. These require an E8 External Torx socket.

6. Remove the O2 sensor from the stock manifold and using a small amount of anti seize, install the O2 sensor in to the JBA header.

7. Slip the supplied exhaust gasket into place then install the new JBA Header, using the supplied header bolts and washers. Ford used two different thread pitches on the cylinder heads. We have supplied two sets of header bolts, make sure you compare the header bolts to the threads on your original studs. Using the wrong ones will strip the heads. Tighten fasteners in an alternating sequence.

8. Reinstall the motor mount stand and lower the motor back into position. Tighten all bolts. Reinstall the steering shaft.


PASSENGER SIDE

1. Remove the starter motor.
2. Follow the procedure for the driver's side with regard to the motor mounts and manifold removal. Install the JBA header as above.
3. Re-install starter, lower engine, tighten lower mount bolts
4. Reinstall the factory cats using the original gaskets. Plug all 4 O2 sensors back in.
5. Check to ensure that there is adequate clearance on all brake lines, wire looms, A/C lines, etc.
6. Reconnect the battery.
7. Start the engine, check for leaks and test drive. Then let engine cool and then re-torque the header bolts.
8. Periodically check and retighten the header bolts.

Parts List:

- (1) Driver's Side Header Assembly
- (2) Header flange gaskets
- (16) 10mm-1.25 header bolts
- (1) CARB EO Sticker

- (1) Passenger's Side Header Assembly
- (16) 10mm-1.5 header bolts
- (16) Header Bolt Washers


PERTRONIX
PERFORMANCE PRODUCTS

440 E. Arrow Hwy.
San Dimas, CA 91773
(909) 599-5955

This vehicle is equipped with:
Dougs Headers # D66XX
JBA Header: # 10XXS
Legal for sale and installation in California

CARB EXECUTIVE ORDER
D-57-27, D-57-31

WARNING

This label is required to aid in passing the California smog check program. This label must be installed in an underhood location that is readily visible.

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.