



## PERFORMANCE EXHAUST

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

### *Installation Instructions & Warranty Information*

6965S, 36965S, 6966S, 36966S, 6969S

2005-20 Dodge Magnum, Chrysler 300C 5.7/6.4L HEMI

2006-20 Dodge Charger 5.7/6.1L HEMI

2008-20 Dodge Challenger 5.7L/6.4L HEMI

2015-20 HELLCAT/Demon 6.2L

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

REV. 6 2-10-21 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.

1. Remove plastic shield from under side of frame.
4. Loosen the exhaust system, apply lubricant to the rubber hangers, slip exhaust off of front exhaust pipes.
5. Unplug O2 sensors, Unbolt front exhaust pipes from manifolds. Remove from car.

### **DRIVER'S SIDE:**

6. Remove the O2 sensor from factory exhaust manifold.
7. Remove the two 18mm nuts, and studs attaching the motor mount to the frame.
8. Raise the engine about 1".
9. Remove the four 15mm headed bolts attaching motor mount bracket to the engine block. Then remove the motor mount.
10. Remove the four 10mm nuts from the heat shield on the exhaust manifold. Then remove the heat shield.
11. Remove the bolts attaching the manifold to the head. Remove manifold.
12. Scrape and carbon build up from head, being careful not to gouge the head surface.
13. Install the new JBA header using the supplied gasket and hardware provided.
14. Re-install the motor mount. Then lower the engine and re-install studs attaching motor mount to frame.
15. Install O2 sensor into the header with a carefully placed dab of anti-seize on the threads. Connect the O2 sensor using the provided Extension harness.

PASSENGER SIDE:

16. Remove the O2 sensor from the manifold, then remove the two 18mm nuts and studs attaching the motor mount to the frame.
17. Remove the two 10mm headed bolts attaching the heat shield to the motor mount bracket. Remove heat shield.
18. Remove the nut at the rear, and the bolt at the front of the brace stretching between the motor mount and the alternator bracket. Remove brace.
19. Loosen 10mm nut on the manifold heat shield, and remove Oil Dipstick.
20. Raise the engine about 1”.
21. Remove the two bolts attaching the motor mount to the engine bracket. Remove the mount.
22. Remove the four 10mm nuts attaching the heat shield to the exhaust manifold and remove.
23. Remove the bolts attaching the manifold to the head. Remove manifold.
24. Remove any gasket or carbon debris from the cylinder head.
25. Install header using gasket and hardware provided, along with an original stud and new spacer at the dipstick bracket position.
26. Re-install motor mount. Lower engine, re-install studs attaching motor mount to frame.
27. Install O2 sensor into the header with a carefully placed dab of anti-seize on the threads. Connect the O2 sensor using the provided Extension harness.
28. Re-install the brace connecting the alternator bracket to the motor mount. Re-install the motor mount heat shield.
29. These headers were designed to be used with JBA Mid Pipes, install the front pipes using the hardware provided. Re-connect the lower O2 sensors. If you do not use the JBA mid pipes you will need to build your own to connect the headers to the exhaust.
30. Apply a small amount of O2 sensor safe, Hi-temp RTV silicone sealer to the flared area of the exhaust pipe.
31. Install the front exhaust pipes using the hardware provided. Re-connect the lower O2 sensors.
32. Re-connect the exhaust system to the front exhaust pipes. Align and tighten securely. Replace plastic shield.
33. Start engine, check for leaks.

***Header bolts can work loose, this is perfectly normal.  
Retighten after 50 miles and then check periodically.***

|             |                          |                           |
|-------------|--------------------------|---------------------------|
| Parts List: | (1) Driver side header   | (1) Passenger side header |
|             | (2) Head flange gaskets  | (17) 8mm x 25mm bolts     |
|             | (17) 8mm lock washers    | (1) 5/8 x 1 1/8 spacer    |
|             | (2) O2 Sensor Extensions |                           |

### **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.