JBA PERFORMANCE EXHAUST

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

Installation Instructions & Warranty Information
1528S ~ 2007-11 JEEP Wrangler 3.8L V6
Cat4Ward® Headers

PERTRONIX PERFORMANCE BRANDS EMISSIONS CODES

1 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.

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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.

INSTALLATION INSTRUCTIONS
NOTE: This installation requires removal of Right Front Inner Fender, to reinstall it you will need the plastic "T" Fasteners that hold the fender on from the Jeep Dealer, part # 68039280AA
1. Place vehicle in a location where the floor is solid and flat, with adequate lighting. Do not attempt to work on a hot engine. Heat causes metal to expand and makes removal of fasteners difficult at best.
2. From underneath, remove bolts attaching exhaust pipes to manifolds.
Drivers Side:
1. Remove bolts attaching heat shields to manifold. Remove heat shields.
2. Remove bolt attaching manifold to cyl. head. Remove manifold
3. The rear two spark plug wires need to be changed. Disconnect the wires from the coil pack noting their position. Remove them from the spark plugs.
4. The new JBA wire with two 90° ends goes on the middle plug, the longer boot goes on the plug end. Route the wire under where the header will go, around to the front, and up to the coil pack. The rear wire will go on later.
5. Install header using the supplied hardware, and re-using the original gasket or a new factory gasket. Apply a little high-temp RTV silicone to the gasket.
6. The rear plug wire can now be installed. The 45° end goes on the plug, and the wire gets routed up over one of the heater hoses, and back to the coil pack.

Passenger side:
1. The passenger side is easiest to install with the fender removed. After removing the five small bolts from the under side, and disconnecting the wire for the side light, the fender is held on with plastic "T" fasteners. The back side of the fender is not accessible to release the clips, a healthy pull is required to remove the fender.
2. Remove the bolts attaching the heat shield to the manifold. Remove the heat shields.
3. Remove the bolt attaching the manifold to the head. Remove the manifold.
4. Install header using the supplied hardware, and re-using the original gasket or a new factory gasket. Apply a little high-temp RTV silicone to the gasket.

5. Apply a little high-temp, sensor-safe, RTV silicone to the flare of the exhaust pipes. Re-connect the exhaust to the headers using the hardware provided.

6. Check for adequate clearance on all fuel lines, wire looms, heater hoses, spark plug wires, etc.

15. Re-connect Negative battery cable.

7. Start engine and check for leaks.

8. Replace fender, connect wire for side marker.

9. Test drive and allow to cool down. Check all bolts and re torque as necessary.

9. Headers require periodic maintenance, including re-tightening header bolts. They should be checked every 5000 miles, or when you change the oil.

Parts List:

(1) JBA Plug Wire Set (2 Wires)	(1) Passenger's Side Header Assembly
(1) Driver's Side Assembly	(4) 3/8"-16 x 2" Bolts
(4) 3/8"-16 Nuts	(4) 3/8" Lock Washer
(4) 3/8" Flat Washers	(12) M8-1.25 x 26mm Header Bolts
(2) Header gaskets	