

# JBA

## PERFORMANCE EXHAUST

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

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

1677S ~ 97-03 Ford Truck/Expedition 4.6L

1679S ~ 97-03 Ford Truck/Lightning/Expedition 5.4L 2V

1679S-1 ~ 99-04 Ford Super Duty Excursion 5.4L W/EGR

1679S-2 ~ 04 Ford Super Duty Excursion 5.4L W/O EGR

1679S-3 ~ 99-04 Ford Truck/Lightning/Harley 5.4L SC

1679S-4 ~ 98-02 Lincoln Navigator 5.4L DOHC

Cat4Ward® Headers



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### **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

#### **⚠ 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 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.

1. Remove the front wheels
2. From underneath the vehicle, loosen the bolts connecting the exhaust system to the exhaust manifolds (On 4X4 models, disconnect the front drive shaft by removing the 4 bolts on the companion flange, and let the drive shaft hang out of the way.) Pry the exhaust system back about 1/2" to gain workspace.
3. Remove the sheet metal screws that attach the inner fenderwells to the fender and frame of the truck and drop both inner fenderwells out of the truck.

### **DRIVER'S SIDE**

4. Working through the wheel well, loosen the EGR tube from the manifold. Remove the nuts attaching the manifold to the head and remove the manifold. Remove the exhaust studs from the head. The studs have a 5mm hex end on them, use a 1/4" drive ratchet and a 5mm socket to remove.
5. Remove the oil dipstick. It has a separate mounting bolt on the head and uses an O-ring seal at the bottom. Use care to protect the O-ring.
6. Remove the EGR fitting from the stock manifold and install it into the drivers side header.
7. Remove the gaskets and any gasket material or any carbon deposits that remain on the head surface. The use of a gasket removal agent or scraper will ease the removal of any gasket material. Use care not to get debris into ports.
8. Slip the driver's side header into place from underneath the vehicle. Some twisting and wiggling of the header is necessary to get the header in place. Apply a small amount of anti-seize to the threads of the supplied header bolts. Attach the header using the supplied bolts, gaskets and lock washers and tighten evenly from the center out.
9. The EGR tube must now be loosened at the EGR valve to allow attaching to the fitting on the header. Once both ends of the tube are in place, tighten the EGR tube. Re-install the dipstick.

## PASSENGER SIDE

10. Working through the wheel well, remove the nuts attaching the manifold to the head and remove the manifold. Remove the exhaust studs from the head. The studs have a 5mm hex end on them, use a 1/4" drive ratchet and a 5mm socket to remove.

11. Install the passenger side header through the wheel well. Apply a small amount of anti-seize to the threads of the supplied header bolts. Attach the header using the supplied bolts, gaskets and lock washers and tighten evenly from the center out.

12. Apply a small amount of Sensor Safe High Temperature Silicone Sealant to the collector domes and Re-connect the exhaust system to the new headers using the hardware provided.

13. Re-connect the drive shaft on 4X4 vehicles.

14. Re-install the inner wheel wells. On 4.6L models, it is recommended that you remove the passenger side wheel well flap.

15. Check to make sure that all the wiring, fuel lines, transmission cooler lines, brake lines, hoses, etc. are clear of the headers or any exhaust components and reroute or relocate those components as necessary.

16. Re-install the front wheels and torque to factory specs. (See owners manual)

17. Reconnect the battery.

18. Start the engine, check for leaks and test drive. Let the engine cool and then re-torque the header bolts.

19. Periodically check and retighten the header bolts.

### Parts List:

(1) Driver's Side Header	(1) Passenger's Side Header
(2) Header gaskets	(4) 3/8-16 Collector Bolts
(4) 3/8-16 Nuts	(16) 8mm x 25mm Header Bolts
(16) 8mm Lock washers	(1) CARB EO Sticker



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.