



Installation Instructions And Warranty Information

Ford Ranger/Explorer/Sport Trac 4.0L SOHC V-6

Part # 1674S 2000-2011 Passenger Side EGR

Part #1674S-1 1997-2011 Driver Side EGR

Part # 1674S-2 2003-2011 No EGR



This Product has been granted a California Air Resources Board (CARB) "E.O" (Executive Order) Exemption, or is considered a Direct Replacement or Consolidated Replacement part. It is 50 State Legal when installed on the appropriate vehicle per the Manufacturer Application guide and Installation Instructions.

Read all instructions carefully before attempting installation.

PerTronix© thanks you for choosing JBA [HEADERS](#), the best fitting, highest quality header on the mar-keT. In order to realize the full potential of our good fit, please read and understand these instructions completely prior to starting work.

Check to make sure you received the proper parts for your application. The header number will be stamped on the engine flange. If you are unsure you have received the proper parts call before you start work.

Be sure to work safe! Whenever you work under the vehicle be sure that it is located on level, solid ground and is supported by adequate safety stands! Remember: Hot asphalt will not support most jack stands!

Many factors affect the installation of headers, some of which are broken or aftermarket motor mounts, accidents that impact the configuration of the frame, and/or the installation of different engines or aftermarket cylinder heads.

Attention Customers breaking in new engines: Due to the extreme heat generated during the break-in process, the appearance of the ceramic coating may be altered in certain areas. The protection characteristics and thermal barrier properties of the coating is never compromised. It is recommended that a cast iron manifold or old set of headers be used for this process.

Notice: The coating of these headers can be marred or scratched during installation. If the header needs to be returned and is damaged, you will be charged for recoat.

JBA uses sealing beads on all its headers. We have found that when installed correctly, the raised bead around each port increases the pressure exerted on the gasket directly adjacent to the port and effectively prevents leaking gaskets. It is normal for the flange to be raised off the cylinder head the thickness of the sealing bead. It is important when installing the header, to install all bolts loosely, then tighten evenly to ensure the flat installation of the flange. The torque sequence from one flange to another will vary, but generally every bolt on a header should be first fit snug, starting from the inside of the flange working out, alternating from top to bottom so that the bolt connects the flange to the manifold to the point where they barely touch. Second, using the same inside-out pattern, tighten each bolt until finished. This method will help prevent leakage and will give the user the best possible performance out of their pair of headers.

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. Raise the front of the vehicle to obtain adequate access to the bottom exhaust manifold flanges. Use large-base jack stands to support the vehicle. Do not rely on the jack! Block the tires to prevent the vehicle from rolling off the jack stands.

2. Disconnect the negative battery cable from the battery

3. Apply penetrating oil on all accessible fasteners and fittings before attempting to remove them.

4. From underneath the vehicle, loosen the bolts connecting the exhaust system to the exhaust manifolds. Move the exhaust system back about 1/2" to gain workspace.

5. If Equipped, remove the EGR connection from the stock exhaust manifold. Depending on model, this could be on either the Driver or Passenger side.
6. Remove Oil Dipstick Tube, it is bolted to the cylinder head on the driver's side. Take care not to damage O Ring at the bottom of the tube.
7. Unbolt the bracket and cable from the passenger side, above the exhaust manifold. Retain the larger bolt for reuse.
8. Unbolt both the Driver's and Passenger's side exhaust manifold and remove. Remove the gaskets and any gasket material or carbon deposits that remain on the head surface. The use of a gasket removal agent will ease the removal of any gasket material. Use care not to get debris into the exhaust ports.
9. The Oil Dipstick needs to slide through the header and into the block as you install the Drivers Side header. On models with the EGR on the drivers side, loosely thread the EGR tube into the header before bolting the header to the head. Apply a small amount of anti seize to the supplied Header Bolts and start all the headers bolts with lock washers. Torque the bolts to 23 ft. lbs. Starting from the center and working out.
10. Tighten the EGR Tube if applicable and tighten the Oil Dipstick bolt.
11. Slip the Passenger side header into position from inside the wheel well. On models with the EGR on the Passenger side, loosely thread the EGR tube into the header before bolting the header to the head. Apply a small amount of anti seize to the supplied Header Bolts and start all the headers bolts with lock washers. Torque the bolts to 23 ft. lbs. Starting from the center and working out.
12. Tighten the EGR Tube if applicable.
12. Re-attach the cable and bracket on top of the header using the (1) original bolt and the (2) additional bolts supplied with this kit.
13. Apply a thin coating of high Temp, Sensor Safe Silicone Sealant to the collector domes and re-connect the exhaust system to the new headers using the hardware provided.
14. Check that all bolts are tight. Make sure that all wiring, fuel lines, transmissions lines, brake lines etc are clear of the headers and the exhaust and relocate as necessary.
15. Reconnect the negative battery cable.
7. Start the engine, check for leaks and test drive. Then let engine cool and then re-torque the header bolts.
18. Periodically check and retighten the header bolts.

Parts List:

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| (1) Driver Side Header | (13) 8mm Lock Washers |
| (1) Passenger Side Header | (4) 3/8 - 16 x 2" Collector Bolts |
| (2) Header Gaskets | (4) 3/8-16 Collector Nuts |
| (13) 8mm 1.25 x 25mm Header Bolts | (1) 6mm x 25mm bolt |
| (1) CARB EO Sticker | |

LIMITED ONE YEAR 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.

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