



## Box-R-Series Intake Manifold for Ford 5.0L

Thank you for purchasing Trick Flow Box-R-Series EFI induction system for your 5.0L Ford. The Trick Flow Box-R-Series was designed for off-road race applications only and should be installed by qualified technicians familiar with fuel injection and tuning.

Please follow the steps outlined in this instruction manual to ensure that the installation of your intake manifold is done correctly and that they perform according to design.

Please read all of the enclosed information before beginning any work. If you have any questions regarding installation or the written materials supplied with your new intake manifold, contact the Trick Flow technical department at 1-330-630-1555 for assistance, Monday through Friday from 9:00 am to 5:00 pm ET.

### Parts Checklist

You should have received the parts listed here. Please verify the part numbers and quantities of each component received.

- (1) Trick Flow manifold base (TFS-515L0008)
- (1) Trick Flow manifold cover (TFS-515U0008)
- (1) Manifold base flange plate (TFS-5158FLPL)
- (1) Viton O-ring cord
- (1) Hardware kit

If you are missing an item or a part was received in error, please contact Trick Flow at 1-330-630-1555, Monday through Friday from 9:00 am to 5:00 pm ET.

### Additional Parts Required

- Trick Flow billet fuel rail kit (TFS-51580001)
- Trick Flow throttle cable bracket (TFS-51500090)
- Permatex Ultra Black #598BR
- Teflon thread sealant
- Intake gaskets Fel-Pro 1250

### Installation Instructions

1. Run a 1/4" bead of Permatex Ultra Black #598BR sealer along the end rails. Outline the water openings at the ends of the heads with the Ultra Black to prevent leaks.
2. Place the intake manifold gaskets on the heads, making sure the sealer on the end rails overlaps all four corners of the intake manifold gaskets where they intersect.
3. Set the Trick Flow lower intake on the block. Make sure to set it down evenly. Lightly coat your original intake bolts with oil and put them in their proper holes. Torque them in the following steps, using the sequence shown in Figure 1: 12 ft.-lbs., 16 ft.-lbs., then 22 ft.-lbs. You must repeat the sequence for each step until all the bolts are torqued to specification.

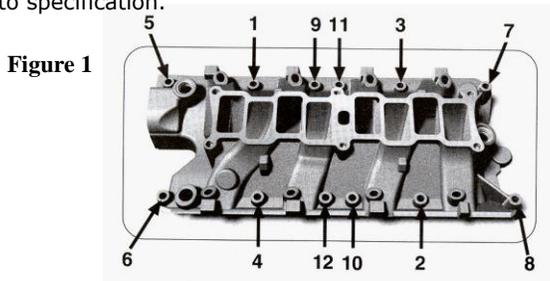


Figure 1

4. Install the TFS-51580001 fuel rails (follow instructions included with kit).
5. Install the flange plate onto the upper using the supplied gasket and (10) 1/4"-20 x 1-1/4" SHCS; torque to 15 ft.-lbs.
6. Install the upper to lower manifold studs in the lower manifold, then set the gasket into place. Set the Trick Flow box upper intake on the lower manifold. Place the nuts on the studs and torque the nuts in the following steps: 12 ft.-lbs., 16 ft.-lbs., then 20 ft.-lbs. Be sure to tighten the fasteners in the correct order as shown in Figure 2.

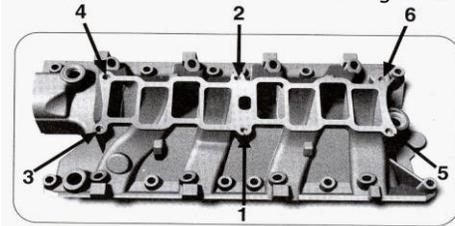
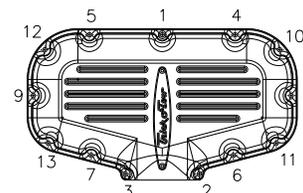


Figure 2

7. Install the o-ring cord (supplied) into the groove in the upper assembly leaving a slight amount of cord past the throttle body mounting flange. Cut the excess cord flush with the throttle body mounting flange.
8. Install the top cover using ( 13 ) 1/4"-20x 1" BHCS. Use pattern shown in Figure 3; torque to 10 ft.-lbs. Be sure to check that the upper and lower halves of the Box-R manifold's throttle body flanges are flush to prevent a vacuum leak.

Figure 3



9. Install the Trick Flow nameplate using the ( 2 ) 8/32x 3/8" thread cutting BHCS and a small amount of Loctite.



## **Ultimate Bolt-On Performance® Lifetime Warranty**

**Trick Flow Specialties cylinder head castings are backed by a lifetime warranty. If a cylinder head casting fails to provide the original purchaser with complete satisfaction, Trick Flow Specialties will repair or replace it free of charge — guaranteed!**

Moreover, the valves, valve guides, valve seats, valve job, valve springs, valve spring retainers, valve locks, rocker arm studs, guideplates, and valve stem seals included on assembled Trick Flow Specialties cylinder heads are warranted to the original purchaser to be free from defects in materials and workmanship for a period of two years from the date of purchase. All other Trick Flow Specialties products are warranted to be free from defects in materials and workmanship for a period of 90 days. There are no mileage limitations.

### **Extent of Warranty**

Customers who believe they have a defective product should return it to the dealer from which they purchased or ship it freight prepaid to Trick Flow Specialties along with proof of purchase and a complete description of the problem. If a thorough inspection indicates defects in materials or workmanship, our sole obligation is to repair or replace the product.

This warranty is only if the product is properly installed, subjected to normal use and service, did not fail due to owner negligence or misuse, and has not been altered or modified.

Trick Flow Specialties warranties do not cover any installation or removal costs.

Trick Flow Specialties is not liable for consequential damages for breach of contract of any warranty in excess of the purchase price of the product sold.

### **PROPOSITION 65 WARNING**

This product may contain one or more substances or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

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