



Track Heat Carbureted Intake Manifold for Clevor Ford

Thank you for purchasing the Trick Flow Track Heat intake manifold for your 351W Clevor.

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.

Project Overview

- ☐ Review all paperwork included in the installation packet
- ☐ Inspect the condition and cleanliness of all components
- ☐ Verify the part numbers and quantities of each product received (see Parts Checklist below)
- ☐ Mail the warranty card to Trick Flow
- ☐ Locate recommended tools
- ☐ Purchase any additional parts needed (See Additional Parts Required section)
- ☐ Remove existing upper and lower intake
- ☐ Install the Trick Flow EFI intake manifold
- ☐ Test Drive and Enjoy!

Recommended Tools

- ☐ Shop Manual for your vehicle
- ☐ Basic mechanics tool set (SAE / Metric sockets and combination wrenches)
- ☐ Timing light
- ☐ Vacuum gauge

Additional Parts Required

These components are required to complete the installation of your new intake manifold. Please refer to the Recommended Components chart on the Technical Specifications sheet for specific part numbers.

- ☐ Permatex Ultra Black RTV sealer
- ☐ Teflon thread sealant
- ☐ Intake gaskets: Trick Flow TFS-51600921

Parts Checklist

- ☐ (1) Trick Flow Clevor Track Heat manifold (TFS-51600112)

If a part was received in error, please contact Trick Flow at 1-330-630-1555, Monday - Friday 9:00 am to 5:00 pm ET.

Removal

1. Disconnect the negative battery cable and drain the cooling system. Make sure to use a suitable drain pan to catch the coolant.
2. Turn the engine until the #1 piston is at TDC on the compression stroke.
3. Disconnect all linkages, hoses and electrical connections going to the carburetor and intake manifold. Remove the carburetor.
4. Remove the distributor cap and plug wires. Mark the distributor rotor's position on the edge of the distributor, then look for a small notch on the distributor base (most OEM Ford distributors have it) that lines up with a small notch on the block. If there is not a notch there, mark the base before removing the distributor.
5. Remove the intake manifold. Be sure to note the position of any stud type bolts since you'll need to put them back into the original positions.
6. Remove the old intake gasket and end seals. If you have to scrape the gasket surfaces, make sure not to get any debris into the ports or lifter valley.

Installation

Before you get started, this is a good time to double check to make sure that any water openings in the deck of the heads have been plugged and any water crossover drilling and tapping has been completed.

1. 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.
2. Run a ¼" bead of Permatex Ultra Black RTV sealer along the end rails.
3. Put the Trick Flow intake manifold on the block and set it down evenly. Lightly coat your original intake bolts with sealant and put them in their proper holes.
4. Torque them to 12 ft.-lbs., 16 ft.-lbs., then 22 ft.-lbs. using the sequence shown in Figure 1. You must repeat the sequence until all the bolts are torqued to specification. The manifold will work its way into the proper position during this process.

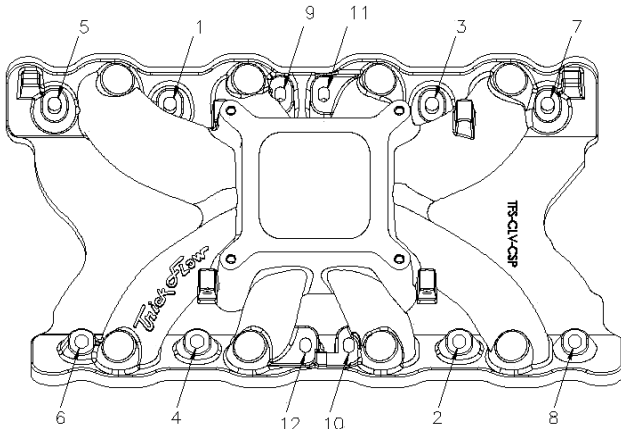


Figure 1

5. Install the carburetor studs in the intake manifold, then set the gasket onto place.
6. Reinstall your carburetor on the Trick Flow manifold. Reinstall all remaining components in the reverse order of disassembly. Make sure to put the distributor back in the correct position. Adjust all cables.
7. Since the Clevor manifold is dry, plumbing in a water crossover thermostat housing is required. Please refer to the instructions included with your crossover. Some applications tap into the ends of the heads, while others tap into the intake face of the heads.
8. Once the water crossover is installed, fill the cooling system and connect the negative battery cable.
9. Check for any fuel leaks, then test drive the vehicle. Make tuning adjustments depending on application.

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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