



## 302/351W Intake Manifold INSTALLATION INSTRUCTIONS

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Please visit [www.fordracingparts.com](http://www.fordracingparts.com) for the most current instruction information

**!!! PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION. AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD RACING TECHLINE AT 1-800-367-3788 !!!**

**NOTE:** **Recommended Intake Gasket:** Due to the wide variety of small-block Ford cylinder heads and intake manifolds, it is mandatory that you verify the fitment of the intake gasket to cylinder heads and intake manifold. The use of the wrong gasket can result in vacuum and coolant leaks.

Intake gasket M-9439-A50 fits Ford Racing "X" and "Z" series cylinder heads.

**NOTE:** Due to the wide variety of small-block Ford cylinder heads and intake manifolds, it is mandatory to verify the fitment of the intake manifold to cylinder heads. Some cylinder head intake ports, because of their height, will not work with all intake manifolds.

**STEP 1:** Without gaskets in place, check intake end rail to block end rail clearance. If the end rails contact before the intake contacts the cylinder heads, machining of the block or intake manifold end rails may be necessary.

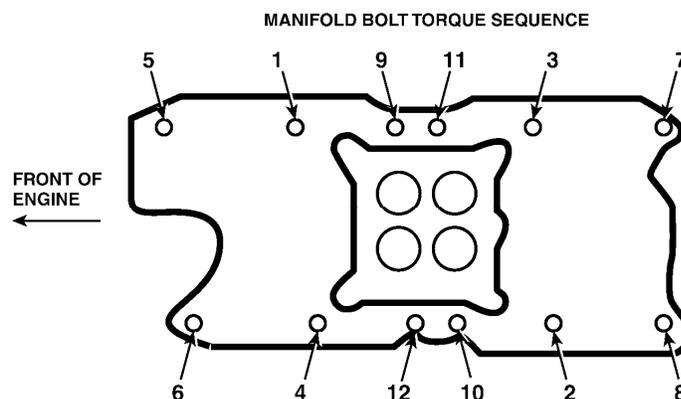
**STEP 2:** Use RTV silicone sealer to seal the intake end rails to the block end rails. Clean both surfaces. Rub a thin film of RTV silicone sealer onto the block and intake end rails, then immediately lay a bead of RTV silicone sealer on the block end rails.

Set the intake gaskets and then the intake manifold in place before the silicone skins over.

**STEP 3:** Verify proper bolt length. Bolts should have 5/8" thread engagement. USS washers should be used with the intake bolts.

Install all 12 bolts and washers and torque to 10 lb-ft. Follow torque sequence shown below. Then, using the same torque sequence, tighten all 12 bolts to 18 lb-ft for aluminum heads. Repeat multiple times in sequence until all bolts reach proper torque. **Note:** You will find that the end bolts reach their final torque value sooner than the center bolts.

For iron heads, the final torque value is 22-24 lb-ft.



Factory Ford shop manuals are available from Helm Publications, 1-800-782-4356