



COYOTE GEN 4 BILLET INTAKE MANIFOLD INSTALLATION INSTRUCTIONS

Parts supplied

1 x billet manifold

1 x throttle body adaptor

2 x fuel rails

1 x bag of assorted O-rings and bolts

Procedure

1. Disassemble the manifold after it is unpacked from the shipping box. Thoroughly inspect all parts for damage during shipping. Please also make sure all items are clean before re-assembly. We recommend to assemble this manifold on a clean workbench with a layer of foam or rubber on top to avoid any scratching of the anodised surface.
2. Place 4 x orings in the top of each bank of runners, and place runners into plenum pockets. The runners are engraved LH and RH, and the corresponding pockets are stamped the same. Make sure the runners are assembled in the correct orientation.
3. Tighten the runners onto the plenum using **M6 x 16 dome head bolts**, using a **Loctite-style** thread locking compound on the threads. **ALL M6 bolts are to be tightened to 12 ft/lb.**
4. Place the long length of O-ring in the top of the plenum. There should be approximately an even amount (around 15mm) of o-ring cord sticking out both sides of the o-ring groove where it comes out of the front face of the plenum.
5. Add 4 x **M8 x 20mm dowel pins** to the top of the plenum, and place the plenum lid onto these dowels.
6. Attach the lid to the plenum using **M6 x 25 bolts**. Once tightened, trim the protruding o-ring cord flush with the front face and apply a small dab of silicone to seal the o-ring.
7. Install the 4 x orings on the flange face of the runners and place the manifold on the cylinder heads. **M6 x 30 bolts** and flat washers are supplied to attach the manifold to the engine.
8. Using a small amount of Vaseline/grease, assemble the injectors into the fuel rail, and then the fuel rail assembly into the manifold. Attach the fuel rails to the manifold using the round spacers and **M8 x 45 bolts**. The rails are designed to suit a full length 14mm injector. If running a shorter injector, you need to run injector extenders or trim the rail stands down to suit your application.
9. Add 2 x **M8 x 16 dowel pins** to the front face of the manifold. Add the larger round o-ring to the front face of the manifold. **If running factory DBW throttle body**, attach the adaptor plate to the body using the **M6 x 16 bolts**. The smaller o-ring goes in the front groove of the adaptor to seal the throttle body. Use M6 x 45 bolts and flat washers to attach the throttle body to the adaptor.
10. If running a **Plazmaman 102mm billet throttle body** add the smaller oring, and use M6 x 55 bolts and spring washers to attach the throttle body and adaptor to the manifold. The bolts go through the adaptor plate.
11. If running a **DBW 102mm or GT350 throttle body** add the smaller oring and use M6 x 70 bolts and flat washers to attach the throttle body and adaptor to the plenum. The bolts go through the adaptor plate.