



# COYOTE BILLET 16 INJ INTAKE MANIFOLD INSTALLATION INSTRUCTIONS

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## 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. Completely 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 recommended 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 2.25" x .103" O-rings** in the top of each bank of runners, and place runners into plenum pockets. Make sure the injector bosses are facing outwards.
3. Tighten the runners onto the plenum using **M6 x 12 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. Add the Plazmaman cast water neck and fitting as per instruction manual provided with the parts.
8. Use the **2.375" x .103" O-rings** 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.
9. Screw the fuel rail posts into the runners, and attach the fuel rail mounting leg to the posts using **M8 x 20 bolts**.
10. Using a small amount of Vaseline/grease, assemble the injectors into the fuel rail, and then the fuel rail assembly into the manifold.
11. The fuel rails attach to the stands using **M8 x 20 bolts** and flat washers. 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.
12. Add 2 x **M8 x 16 dowel pins** to the front face of the manifold. Add the large o-ring to the back face of the throttle body adaptor and attach it to the body using the 4 x **M6 x 16 bolts**. M6 x 45 bolts are supplied to attach the throttle body to the adaptor. The smaller o-ring goes in the front groove of the adaptor to seal the throttle body. If running a Plazmaman 102mm billet throttle body, use the supplied M6 x 55 bolts to attach the throttle body and adaptor to the manifold.