

PLAZMAMAN

1FZ BILLET INTAKE PLENUM INSTALLATION INSTRUCTIONS

Parts supplied

1 x Billet intake manifold

1 x Fuel rail (or 2 x fuel rails if running 12/18 injectors)

6 x O-rings

1 x Assorted bolts & fittings

Installation Procedure

1. Remove the factory inlet plenum.
2. Make sure cylinder head surface is clean and smooth.
3. Place O-rings into grooves on face of intake manifold.
4. Install plenum to cylinder head. Bolts are not supplied for fitment between cylinder head and intake manifold.
5. Install fuel rail stands into manifold, and tighten. Stands are designed to suit a full length injector. Stands may need to be shortened, or an extension used on your injectors to suit otherwise. Two grooves are machined in the stand to show where to cut the stand to suit a $\frac{3}{4}$ or $\frac{1}{2}$ length injector. The hole may need to be tapped deeper to suit the shorter stand.
6. Install the injectors into the fuel rail using a small amount of Vaseline or grease to help the injectors into the bores.
7. Install fuel rail and injector assembly onto manifold using M8 x 20 bolts to secure the rail to the stands. (If running a 12/18-injector style, install the supplied round spacer between the two rails, and use the M8 x 65 bolts to secure both rails to the manifold.) The threads in the fuel rail are machined to -8AN.
8. Attach the Plazmaman billet throttle body using the supplied M8 x 25 bolts and spring washers.
9. The vacuum/fittings ports on the manifold are tapped to 1/8 NPT and 1/4 NPT for your convenience.

NOTE: If running the factory IAC motor, remove the unit from the factory throttle body. Attach it to the remote mounting block using the same M5 bolts used to attach it to the factory throttle body. Mount the remote block as close to the plenum as possible. The further away you mount it, the less accurately it operates. A length of hose is supplied to plumb this unit back to the plenum.