

PLAZMAMAN

GTR RACE SERIES BILLET INTAKE INSTALLATION INSTRUCTIONS

DIRECT TO HEAD STYLE

Parts supplied

1 x Billet intake manifold

1 x large bore fuel rail

6 x O-rings

1 x Assorted bolts & fittings

Installation Procedure

1. Remove the factory inlet plenum and 6 throttle assembly.
2. Make sure cylinder head surface is clean and smooth.
3. Attach the water rail to the intake manifold using the supplied -10AN fittings. The -10 male to -10 male fittings screw into the manifold. The -10 swivel fittings attach the rail to the manifold. -8AN blockoffs must also be screwed into the end of the rail.
4. Place O-rings into grooves on face of intake manifold. The large O-rings go around the intake ports, and the smaller O-rings go around the 3 centre water ports.
5. Sealing compound is required around the front water port, due to lack of space we cannot fit an O-ring. However, it is **highly recommended** that sealing compound be used around **all water ports** on the cylinder head as well as the supplied O-rings.
6. Install plenum to cylinder head. A M8 x 20 bolt and flat washer are supplied for fitment of the front top bolt (the slotted area on the manifold) into the head. All other bolts are not supplied for fitment between cylinder head and intake manifold.
7. Install fuel rail stands (round stand with stud in the bottom of it) into manifold, then tighten. Then attach the legs to the top of the stands using M8 x 20 bolts. 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.
8. Threads in the fuel rail are to suit -10AN fittings. (fittings not supplied)
9. Install fuel rail and injector assembly onto manifold using M8 x 20 bolts to secure the rail to the stands.
10. The 1/8 NPT threads on the top face of the manifold are to be plumbed into a header tank or the top tank of the radiator. **These are essential for bleeding air out of the coolant system.**
11. The -12AN thread on the water rail must be plumbed into the -12AN thread on the front neck of the manifold. See attached plumbing diagram for full details.