

Rooster Tail Engines – Raptor Manifold Kit

1. Parts included in your Raptor Manifold Kit.

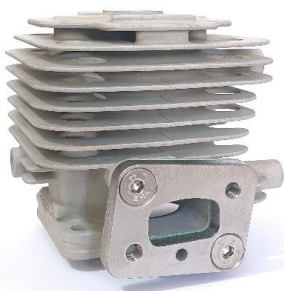
- a. Manifold Gasket – CYL (cylinder)
- b. Mounting Plate
- c. Mounting Plate Screws
- d. Manifold Gasket – CARB (carburettor)
- e. Insulator
- f. Carburettor Gasket



2. Insert the Mounting Plate Screws into the Mounting Plate countersunk holes.
3. Place the Manifold Gasket (a) with the CYL mark as shown below.
4. Place a drop of Loctite 263 on the first 4 threads of each screw and wipe around the thread with finger.

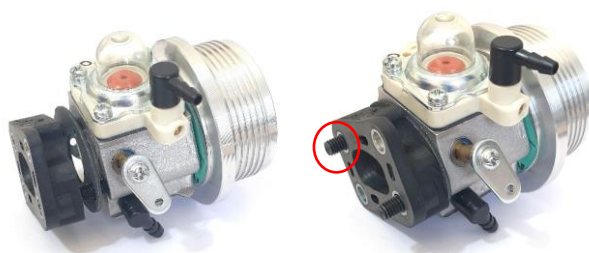


9. Clean any old Loctite out from the cylinders manifold mounting holes.
10. Install assembled plate onto cylinder/engine, as below.
11. Torque screws to 45in/lbs or 5.1nm



NEXT – Setting the carburettor mounting bolt length.

5. Assemble your v-stack, gasket, carburettor and carburettor mounting bolts (not included).
6. Install Carburettor Gasket and Insulator.
7. Holding it all together firmly, ensure mounting bolts are pushed all the way through.
8. Measure the exposed thread length.



IMPORTANT

The assembled bolt length is going to vary due to different types of velocity stacks and gasket thicknesses.

The exposed bolt length needs to be between 5mm and 6mm.

Bolts protruding longer than 6mm past the Insulator will damage your cylinder and Mounting Plate once assembled.

If needed, cut your bolts to length, then proceed to the next step.

12. Place Manifold Gasket d, with the word CARB facing the insulator.
13. Install the complete assembly onto Mounting Plate.
14. Torque the carburettor mounting bolts to 40in/lbs



Finished