

MPG PORT PLATE™ INSTALLATION INSTRUCTIONS FOR 351C & BOSS 302

Please read all instructions before starting the installation.

Intake Side:

1. Remove intake manifold, leaving valve covers on.
2. Remove dowel pins on intake side of cylinder heads (351C only).
3. Port plates will now act as the intake manifold gasket. Carefully silicone the intake Port Plates to the cylinder heads. (The Port Plate tongues go into the cylinder head toward the floor.) On the Boss 302, be sure to silicone lightly around the water passages located at the front of each cylinder head.
4. We recommend letting the silicone “set up” hard so that the Port Plate becomes permanent to the cylinder head.
5. We also recommend using a non-hardening sealer on the manifold side of the Port Plates so that upon removal of the intake manifold, the Port Plates will stay glued to the heads. This will allow you to remove and re-install the intake manifold as necessary in the future.
6. Re-install the intake manifold.

Exhaust Side

1. Remove exhaust manifolds or headers.
2. The port plate must have a header gasket on each side to seal completely. Trying to sandwich eight individual plates between the gaskets can be tricky. For best results, cut the header gaskets into eight individual gaskets. Then silicone the gasket to both sides of the port plates and allow to “set up” as required.
3. You may find a port mis-match between the stock gasket opening and the large port plate opening depending on the gasket manufacturer. Carefully trim gasket to match the plate openings if necessary.
4. If your header bolts are the standard 3/4” long, they will need to be replaced by 1” long bolts. These are available from your local speed equipment shop or MPG Heads.
5. Install the port plates between the head and the headers. The stinger goes into the exhaust port toward the floor of the port.
6. Reinstall headers and tighten bolts to finger tight.
7. With the header bolts finger tight, rock the port plates side to side. Halfway is where the plate should be installed. When the plate is in the correct position, tighten the header bolts.
8. After installation is complete, start engine and allow it to warm up completely.
9. Retighten header bolts as necessary.