



COLD AIR INTAKE MANIFOLD INSTRUCTIONS 12MM
(On a Pontiac G6 High Feature 3.6L V6)

Tools

Flat-Head Screwdriver
Sockets (Should be 4MM & 13MM)
Flathead Pliers
Spanner

Step 1.

Disconnect all the necessary connectors, hoses and nuts and bolts (see pictures where things are circled in red).





**Step 2.**

Align the manifold insulators provided with the runner surfaces. Make sure the insulators are inserted onto the surface correctly by aligning the insulators with the bolt holes. Push them into place so that the gasket sealant firmly holds the manifold insulators to the runner surfaces.



Step 3: Spread the gasket sealant provided with the kit around the surface of each runner. Do not spread gasket sealant around the bolt holes.

Also spread gasket sealant on the top surface of each manifold insulator. It is also equally important for the surface of each insulator facing the inlet manifold to have a layer of gasket sealant so that the inlet manifold is appropriately sealed to avoid any air leakage.



(Picture is to be used as a guide to illustrate how to spread the Silicone over the Manifold Insulator)

Place the inlet manifold onto the manifold insulators. (***) NOTE – EXERCISE EXTREME CAUTION TO ENSURE NOTHING FALLS INSIDE THE RUNNERS. IF ANYTHING DOES FALL IN, IT MUST BE REMOVED OTHERWISE DAMAGE TO THE ENGINE WILL RESULT).

To align the inlet manifold correctly with the manifold insulators, place the new bolts given with the kit into the inlet manifold bolt holes. When the inlet manifold is placed onto the manifold insulators the bolts will align with the bolt holes. Make sure a spring washer is firstly added onto each bolt followed by a washer to properly tighten the bolts. **Remember to use the longer bolts supplied with the 25mm manifold insulator kit. The 12mm manifold insulator kit uses the standard bolts.**



Step 6: The bolts now need to be tightened. Tighten the bolts slightly starting with the bottom right bolt, top left, top right then the middle bolts. This ensures that the inlet manifold is pressed onto the manifold insulators in an evenly distributed manner. The bolts can now be tightened to their maximum capacity in the same order outlined.





5. Put the upper intake manifold onto the insulators.
6. Reuse the stock bolts and bolt the manifold into place.
7. Reconnect all the connectors, hoses, nuts and bolts circled in red.

You will not be able to refit the engine cover on some vehicles with these insulators. If the engine covers are loose you can try placing a zip tie or tap around the ball joint (piece of metal that clips into the cover) or you could try raising the ball joint.