

Installation Instructions

Exhaust Block-Off Plates Toyota 5.7L (3UR-FE) Engines

Tools Needed:

10 mm combination wrench, ratchet with 10 mm standard and or deep-well socket, large flat head screwdriver or pry tool, PB Blaster or equivalent

Installation:

The exhaust block-off plates are **only** to be installed along with the SAS (AIP) Bypass Module. The plates install at the connection between air tubes from the secondary air system's exhaust valves and the air tubes from each of the exhaust manifolds. The connections can be reached either from the top of the engine bay or by removing the front wheels and rubber fender skirt on the inside of the fender well. Having a helper hold the connections open from the top side of the engine while inserting the plates from the fender well may be the easiest way to install the plates.

1) With the engine cool, locate the Secondary Air System Injection tubes that come from the back of the engine and wrap around the back of the cylinder head to the exhaust manifold. There is one on both sides of the engine. The plates install at the flanges shown circled in **red** of Figure- 1.

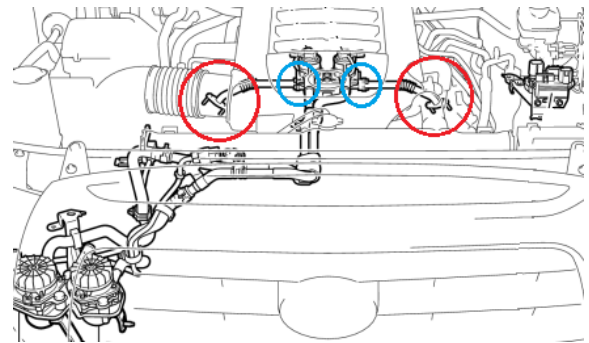


Figure 1 - 5.7L Air Tubes from Exhaust Valves to Exhaust Manifold Air Tubes

2) Loosen the stud nuts at the connection points. There should be enough stud length to insert the plates without removing the nuts completely. If the nuts will not break free, liberally apply penetrating fluid (PB Blaster or equivalent) to the threads and let soak overnight before trying again. A repair in this area of the engine compartment would be extremely difficult so be very careful not to round off the nuts or break a stud.

3) With a pry tool, open a gap between the flanges to insert the block off plate. The stainless steel tubes are very rigid and it may take considerable force to get the flange open enough to insert the plates. To make it easier, the connection to the exhaust valves circled in **blue** can be loosened.

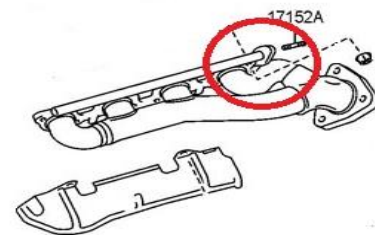


Figure 2 - 5.7L Exhaust Manifold Air Tube Connection

4) While holding the air tube connection open, insert the plates so the metal gasket remains on the exhaust manifold side of the plate. Once you have the plate inserted release the tube and the tension should hold the plates in position.

5) Make sure the plates are inserted all of the way up against the studs and tighten down the tube connections.

6) Start the engine and check for exhaust leaks.