

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, PB Blaster or equivalent, wooden dowel or stick of wood

Installation: The exhaust block-off plates are **only** to be installed along with the SAIS (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 by removing the front wheels and rubber fender skirt on the inside of the fender well.

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 passenger and driver side of the engine. The plates install where the tube flanges meet. This location is easily accessible through the driver and passenger side fender wells.

2) Loosen the two 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.



It is very important NOT to pry on the round portion of the tube or between the flanges which will cause damage to the mounting surfaces. Do not open more than needed to insert the plate. If either is damaged, you may create an exhaust leak.

3) There are a couple techniques to separate the Air Injection Tube from the Exhaust Manifold tube.

Option A: Use a dowel or stick of wood and mallet placed on the studs to push the studs inwards and up towards the middle of the engine to open the flange. With one end of the wooden dowel on a stud end and wedge the other end against the floor to apply pressure to the stud. While holding the air tube connection open, insert the plates so the metal gasket remains on the exhaust manifold side of the plate.



Option B: Use a wooden dowel (cut broom handle) to assist with installation. Place one end of the wooden dowel against the underside of the exhaust manifold tube behind the flange on the air tube, running across back of engine with the other end of the wooden dowel towards the ground, use a floor jack to lightly push upwards on the exhaust tube, by doing so you will create a gap between the flanges. While holding the air tube connection open, insert the plates so the metal gasket remains in place, it will seal with the gasket on either side. Once you have the plate fully inserted, release the tube and the tension should hold the plates in position.



5) Once the plates are inserted and bottomed against the studs, tighten down both studs.

6) Start the engine and check for exhaust leaks.