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Exhaust Block-Off Plate Installation Instructions

Toyota 2.7L (2TR-FE) Engine

Installation:

The exhaust block-off plate is **only** to be installed with a SAIS Bypass Modules. When installed, the block off plate permanently closes the air switching valve. This is the only way to prevent valve stuck open codes now and in the future. Even if you do not have a valve stuck open codes right now, the plates are the only thing that can prevent a valve from leaking and causing valves stuck open codes later. If possible, it is always best to install them now.



Figure 1 – Air Box Removal

1) The plate installs at the air switching valve located above the exhaust manifold on the passenger side of the engine. For easier access remove the top of the air box and air intake tube shown in Figure 1.

2) Remove both air switching valve stud nuts. If they do not break free easily, apply a penetrating fluid like PB Blaster and let soak before trying again.

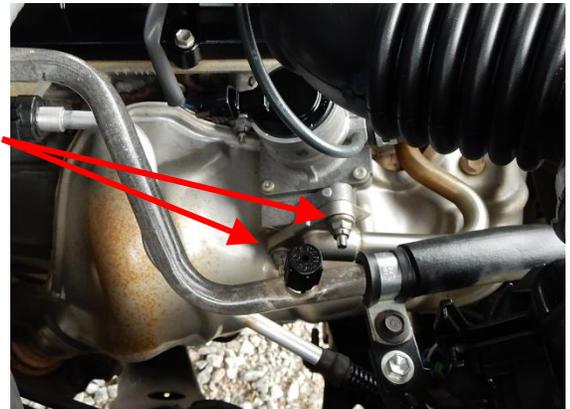


Figure 2 - Remove Stud Nuts

3) Use a pry tool or large screwdriver with a block of wood against the manifold heat shield to gently pry open a ¼” gap between the air tube flange and the air switching valve body.

4) While holding the gap open, slip the block off plate in between the then stainless-steel flange gasket and the air switching valve body. Release the air tube and push the plate all the way in until it bottoms out on the studs.

5) Reinstall the stud nuts and tighten to the recommended value of 20Nm or 15ft.lb.

6) Wipe any excess penetrating fluid off the exhaust manifold/ heat shield and reinstall the air box and air tube.



Figure 4 - Air Tube Removal

7) Crank the engine and check for exhaust leaks. Retighten the studs if needed.