

## Installation Instructions

### Exhaust Block-Off Plates Toyota 4.7L (2UZ-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 penetrating fluid

#### Installation:

The exhaust block-off plates are **only** to be installed in with the SAIS Bypass Module. There is no need to remove the intake or other components for installation.

On all 2005-2009 4.7L vehicles (except the 07-09 Tundra) the exhaust plates install between the two air tube flanges located at the lower firewall side of the cylinder heads shown in Figure 1. This location is easily accessible through the fender well.

On 07-09 Tundra 4.7L the block off plates install between the air switching valves located on the top of each valve cover and the air tube flange. On these vehicles, it is easier to install the block off plates at the actual air switching valves from underneath the hood as shown in Figure 2.

1) With the engine cool, locate the plate installation location according to your vehicle as noted above.

2) If the flange nuts or bolts are corroded apply a penetrating lubricant and let soak overnight. Loosen the flange nuts or bolts, back them all the way out. Be very careful not to strip the nuts or break a stud. Removing a broken stud bolt or striped nut is exceptionally difficult in the area shown in Figure 1!

3) Use a pry bar to open a gap between the flanges by placing a block off wood on the back of the cylinder head and pry against the air tube at the back of the engine. There may be a bolt holding the air tube to the valve cover that should be loosened or removed first. Do not try to directly pry the flanges apart as this may damage the sealing surfaces and cause an exhaust leak. Ideally the block off plates are inserted so the metal gasket clipped on the flange is between the plate and the flange of the exhaust manifold side. However, the plate will seal on either side of the gasket. Once the plate is completely inserted against the bolts or studs, release the tube and the tension should hold the plates in position.

4) Install all bolts or nuts and tighten down. Start the engine and check for exhaust leaks. Retighten flange bolts/nuts if needed.



Figure 1 – For All 05-09 4.7L Vehicles (except 07-09 4.7L Tundra) Air Tube Flanges at lower firewall end of driver and passenger side cylinder heads.



Figure 2 - 07-19 Tundra 4.7L block off plates install from topside between the airswitching valves and air tubes.