

Installation Instructions

Pressure Sensor Replacement Harness – Double

2007-2012 Toyota/Lexus

This harness is used in conjunction with a SAIS Bypass Kit as a work around for two damaged SAIS Pressure Sensors. This harness and sensor will replace the two damaged pressure sensors that are built into the air switching valves. Since the SAIS will no longer operate with the bypass kit install only one pressure can be used for both pressure sensor inputs to the computer.

- 1) Locate the SAIS Air Switching Valves. All 5.7L engines the air switching valves are located at the rear of the engine valley and slightly under the intake manifold near the firewall. The 4.6L has the air switching valves located with one on top of the driver side valve cover and one on the top of the passenger side valve cover on either side of the intake manifold. The all 4.0L Tundra's and the 2007-2009 4.7L Tundra has the same configuration as the 4.6L with one air switching valve located on either side of the intake manifold. The 4.0L Tacoma has both valves side by side on top of the passenger side valve cover towards the rear of the engine. The length of the harness between the double ended connectors of the Pressure Sensor Harness should match your valve configuration.
- 2) Disconnect the 5-pin harness on both air switching valves. Connect one male and female end of the Pressure Sensor Harness in line with one of the air switching valves and the factory connector. Route the other double connector end of the harness to the other air switching valve and connect in line with the air switching valve and factory connector.
- 3) It does not matter which double end of the pressure sensor harness goes to which valve. It also does not matter which valve connects to the double connector end of the Pressure Sensor Harness that has the 3-pin pressure sensor attached. The pressure sensor feeds both double connector ends simultaneously.

NOTE: You may notice that the pressure sensor attached to the harness has 2 mounting ports, for this harness design, you will not be bolting the pressure sensor in.

- 4) Once installed, clear your trouble codes with an OBDII scanner.