

# Hewitt Technologies Inc.

2007-2012 5.7L Toyota/Lexus

## Pressure Sensor Replacement Installation Instructions

(This harness is used in conjunction with a SAIS Bypass Kit as a work around for a bad SAIS Pressure Sensor.)

- 1) Locate the SAIS Air Switching Valves: for all 5.7L engines the valves are located at the rear of the engine valley and slightly under the intake manifold. Indicated below in [Figure 1](#).

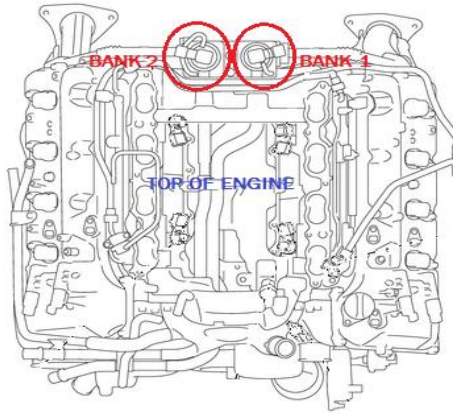


Figure 1: Location of Bank 1 and 2 Air Switching Valves at rear of engine valley.

- 2) Determine which pressure sensor is the damaged pressure sensor by the trouble code you are getting. Please see them listed below:

P2431 Air Flow/Pressure Sensor Circuit Range/Performance Bank 1

P2432 Air Flow/ Pressure Sensor Circuit Low Bank 1

P2433 Air Flow/Pressure Sensor Circuit High Bank 1

P2436 Air Flow/Pressure Sensor Circuit Range/Performance Bank 2

P2437 Air Flow/Pressure Sensor Circuit Low Bank 2

P2438 Air Flow/Pressure Sensor Circuit High Bank 2

\* Bank 1 is on the driver side and Bank 2 is on the passenger side

- 3) After determining which pressure sensor is the damaged one, remove the connector from the damaged pressure sensor shown below in Figure 2. Plug the connector from the Pressure Sensor Replacement Harness onto the damaged pressure sensor and factory harness connector removed from the Air Switching Valve into the male connector of the Pressure Sensor Replacement harness. When doing this, be sure you hear the connectors click into place and are firmly secure into the connectors.

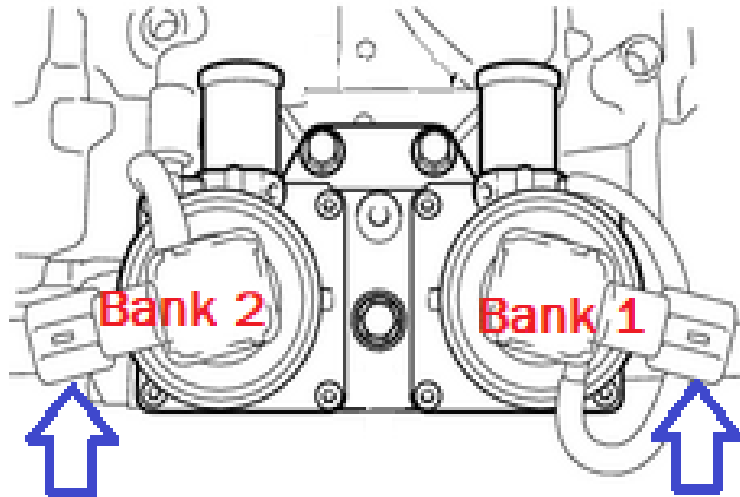


Figure 2: Blue arrows indicate the connectors going to the internal pressure sensor.

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

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