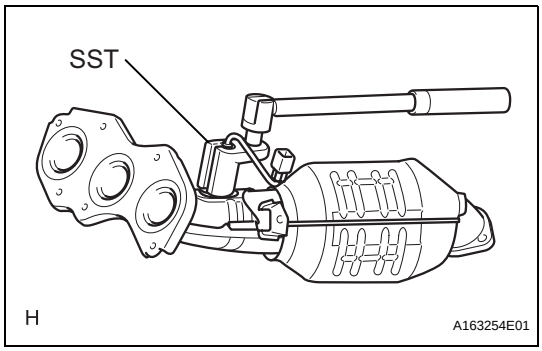
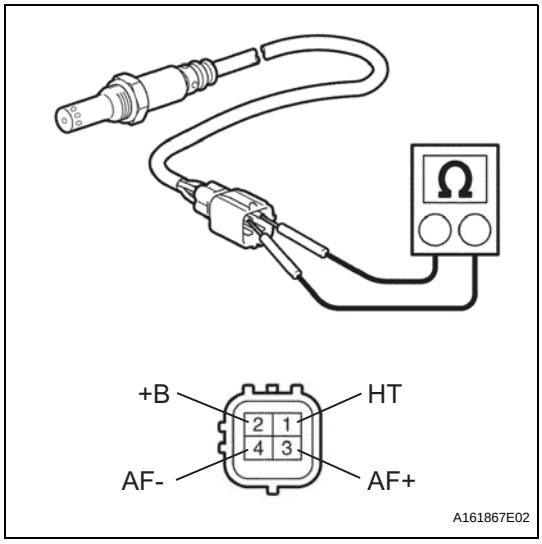


5. REMOVE AIR FUEL RATIO SENSOR (for Bank 1 Sensor 1)

(a) Using SST, remove the sensor.
SST 09224-00010



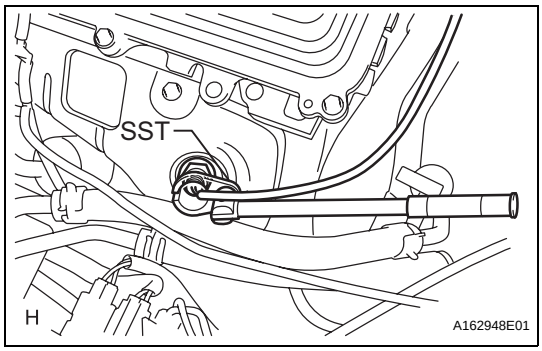
INSPECTION

1. INSPECT AIR FUEL RATIO SENSOR

(a) Measure the resistance of the sensor.
Standard resistance

Tester Connection	Specified Condition
1 (HT) - 2 (+B)	1.8 to 3.4 Ω at 20°C (68°F)
1 (HT) - 4 (AF-)	10 kΩ or higher

If the resistance is not as specified, replace the sensor.

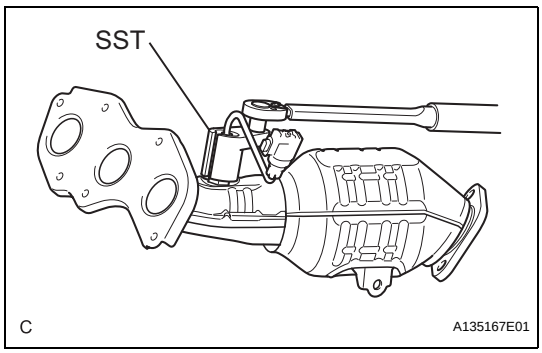


INSTALLATION

1. INSTALL AIR FUEL RATIO SENSOR (for Bank 2 Sensor 1)

(a) Using SST, install the sensor to the exhaust manifold LH.
SST 09224-00010
Torque: 40 N*m (408 kgf*cm, 30 ft.*lbf) for use with SST
44 N*m (449 kgf*cm, 32 ft.*lbf) for use without SST
HINT:
- Use a torque wrench with a fulcrum length of 30 cm (11.81 in.).
- Make sure that SST and wrench are connected in a straight line.

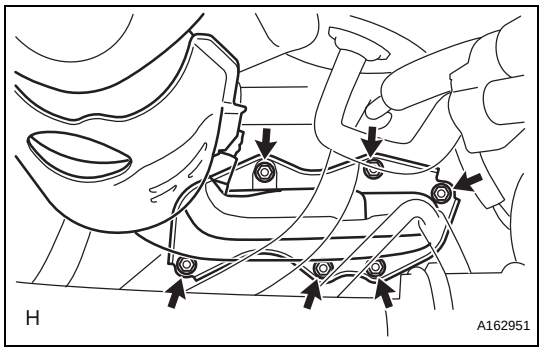
(b) Connect the sensor connector.



2. INSTALL AIR FUEL RATIO SENSOR (for Bank 1 Sensor 1)

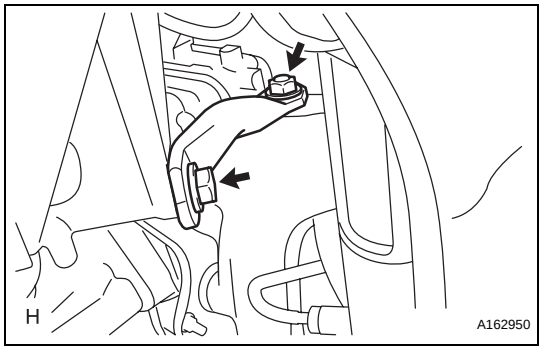
(a) Using SST, install the sensor to the exhaust manifold RH.
SST 09224-00010
Torque: 40 N*m (408 kgf*cm, 30 ft.*lbf) for use with SST
44 N*m (449 kgf*cm, 32 ft.*lbf) for use without SST

HINT:
- Use a torque wrench with a fulcrum length of 30 cm (11.81 in.).
- Make sure that SST and wrench are connected in a straight line.



3. INSTALL EXHAUST MANIFOLD RH

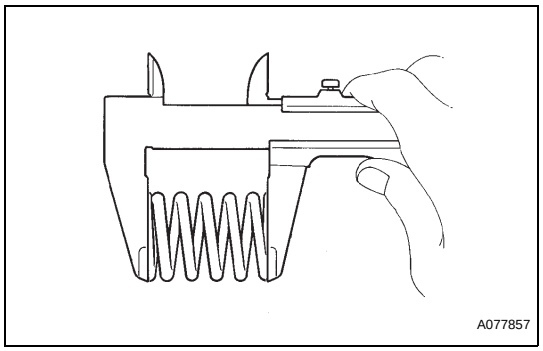
(a) Install the exhaust manifold RH with a new gasket and 6 nuts.
Torque: 21 N*m (214 kgf*cm, 15 ft.*lbf)



(b) Install the exhaust manifold stay with the nut and bolt.
Torque: 35 N*m (357 kgf*cm, 26 ft.*lbf)

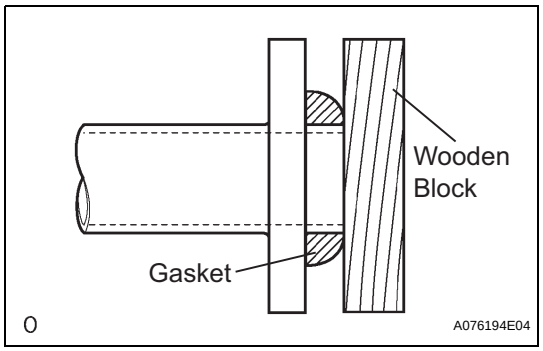
(c) Connect the air fuel ratio sensor (for Bank 1 Sensor 2) connector.

EC



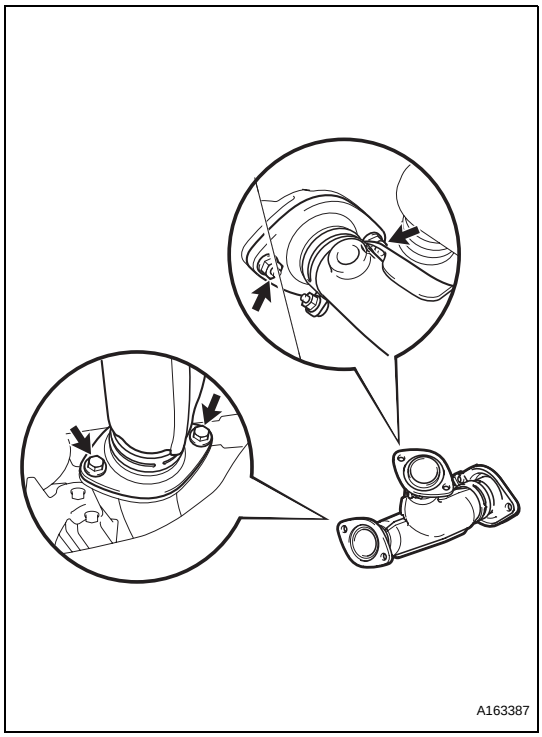
4. INSTALL CENTER EXHAUST PIPE ASSEMBLY

(a) Check compression springs.
(1) Check the compression springs using vernier calipers.
Specified length:
38.86 mm (1.5299 in.)
HINT:
If the result is not as specified, replace the compression spring.

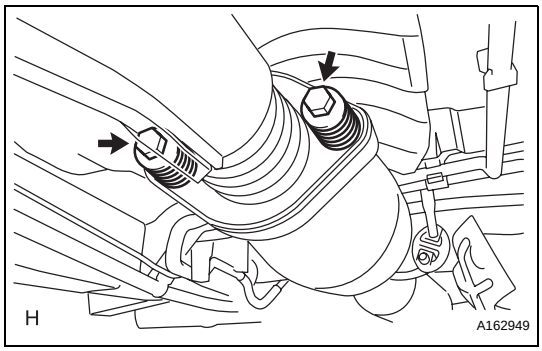


(b) Install the gasket.
(1) Install a new gasket by hand onto the front exhaust pipe assembly.
(2) Using a plastic hammer and wooden block, tap in the new gasket until its surface is flush with the front exhaust pipe.
NOTICE:
- **Be careful with the installation direction of the gasket.**
- **Do not damage the gasket.**
- **Do not reuse the gasket.**
- **To ensure a proper seal, do not use the exhaust pipe to force the gasket on to the front exhaust pipe.**

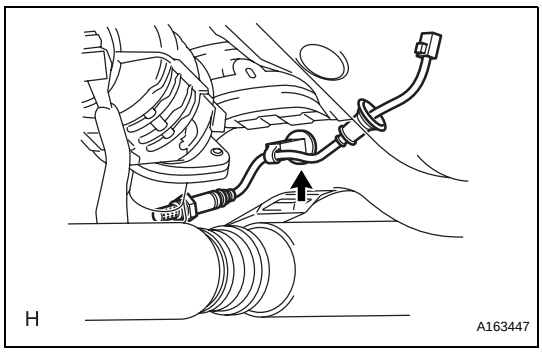
(c) Install 2 new gaskets to the front exhaust pipe assembly.



(d) Install the front exhaust pipe assembly with the 2 nuts and 2 bolts.
Torque: Bolt
43 N*m (440 kgf*cm, 32 ft.*lbf)
Nut
62 N*m (632 kgf*cm, 46 ft.*lbf)



(e) Install the center exhaust pipe assembly with the 2 compression springs and 2 bolts.
Torque: 43 N*m (438 kgf*cm, 32 ft.*lbf)



(f) Attach the clip.
(g) Connect the heated oxygen sensor (for Bank 1 Sensor 2) connector.

5. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

6. INSPECT FOR EXHAUST GAS LEAK