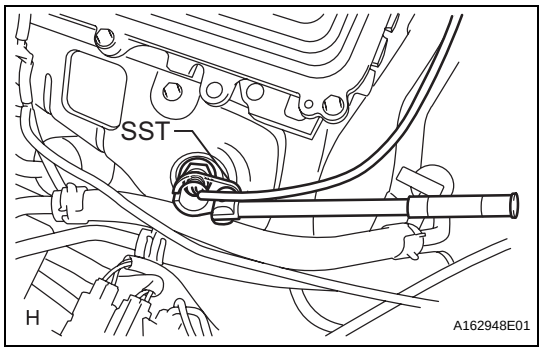


INSTALLATION

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

(a) Using SST, install the sensor to the exhaust manifold LH.

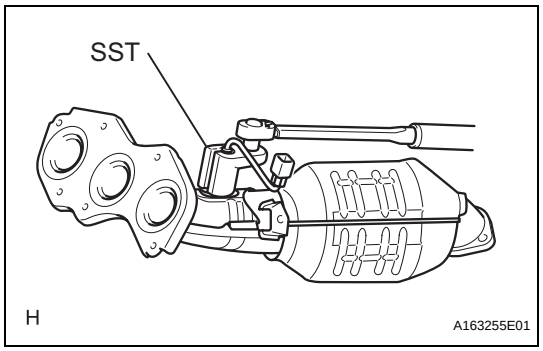
SST 09224-00010

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 a wrench are connected in a straight line.

(b) Connect the sensor connector.



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

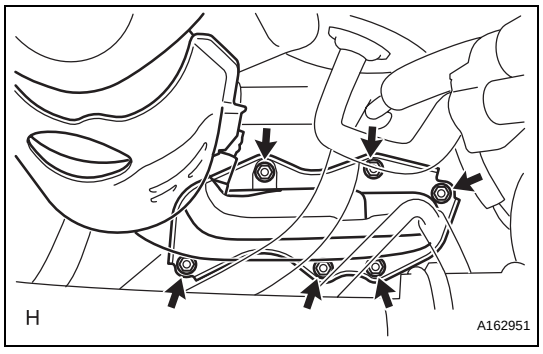
(a) Using SST, install the sensor to the exhaust manifold RH.

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:

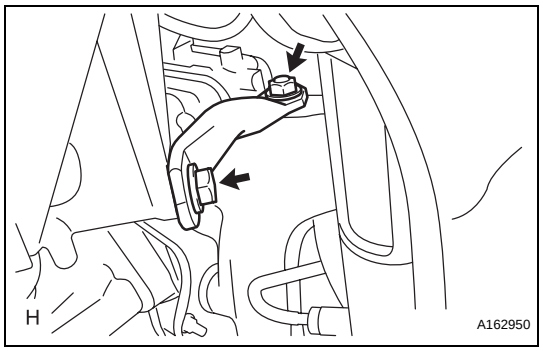
- Use a torque wrench with a fulcrum length of 30 cm (11.81 in.).
- Make sure that SST and wrench are connected in a straight line.



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)

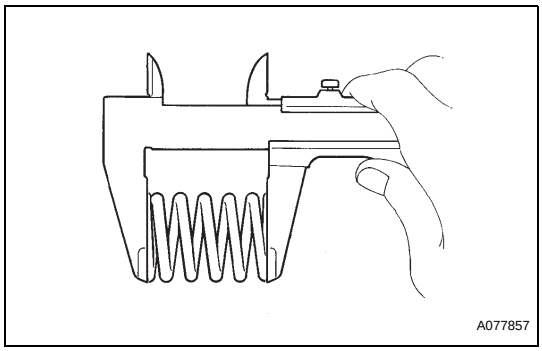


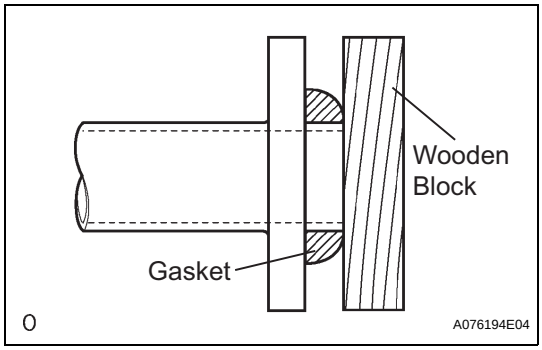
(b) Install the exhaust manifold stay with the nut and bolt.

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 FRONT 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.

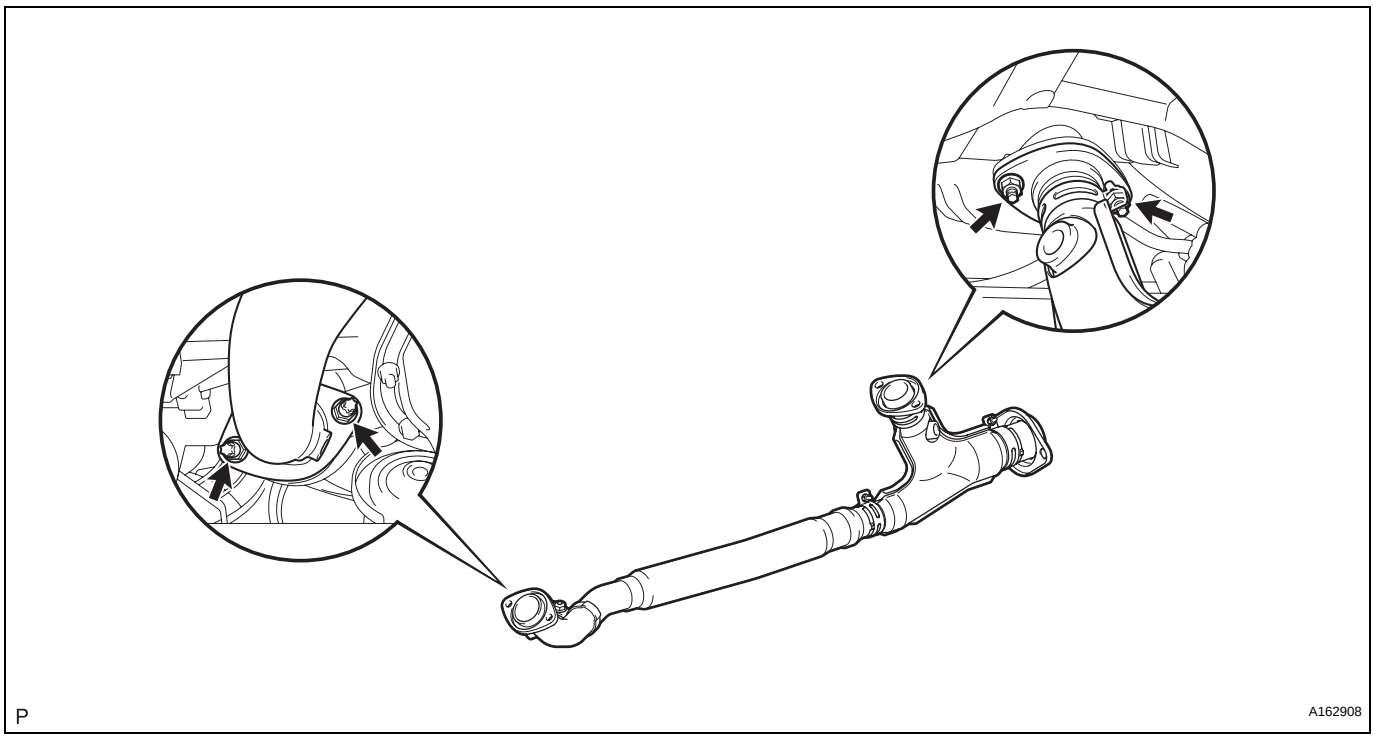
NOTICE:

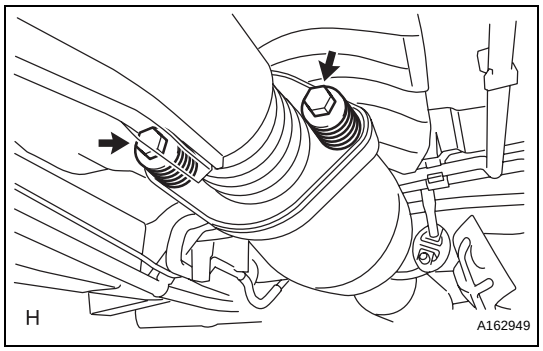
- **Be careful with the installation direction of the gasket.**
- **Do not damage the gasket.**
- **Do not reuse the gasket.**
- **To ensure a proper seal, do not use the exhaust pipe to force the gasket on to the front exhaust pipe.**

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

(d) Install the front exhaust pipe assembly with the 4 nuts.

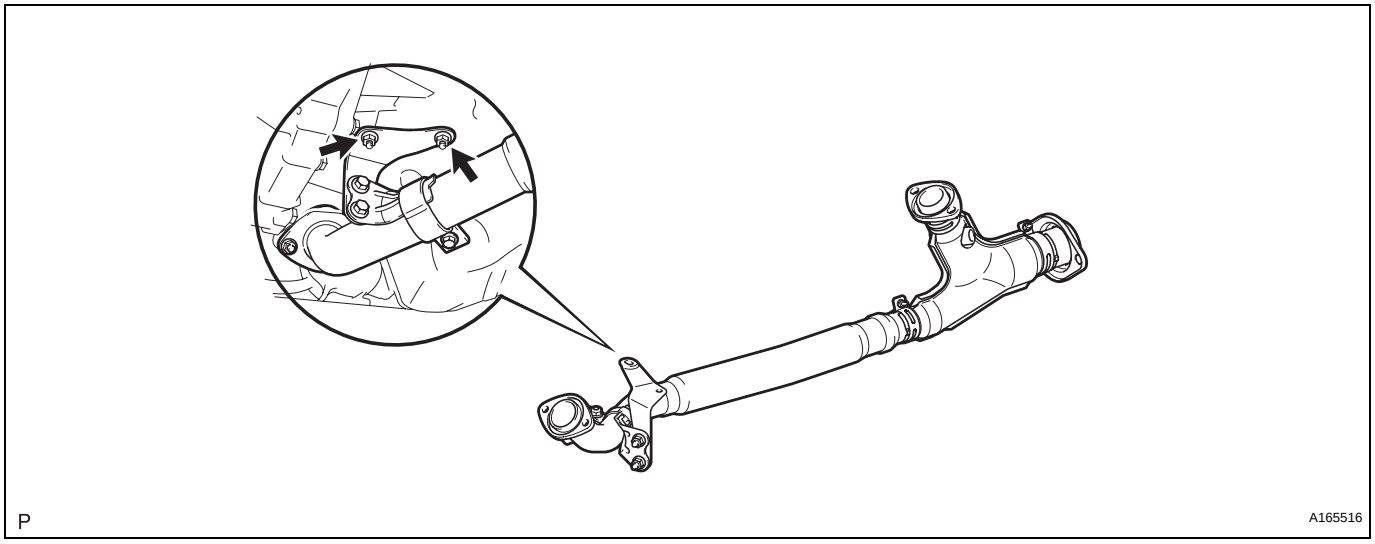
Torque: 62 N*m (632 kgf*cm, 46 ft.*lbf)





(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) Install the No. 1 exhaust pipe support bracket with the 2 new nuts.
Torque: 21 N*m (214 kgf*cm, 15 ft.*lbf)



(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

EC