

## REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

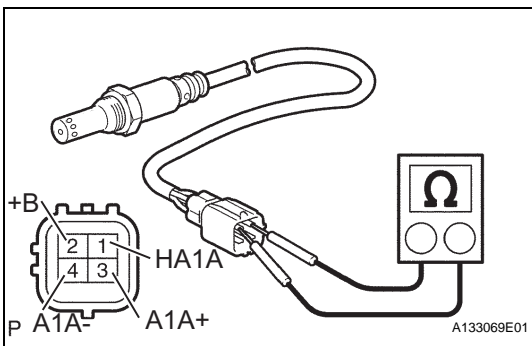
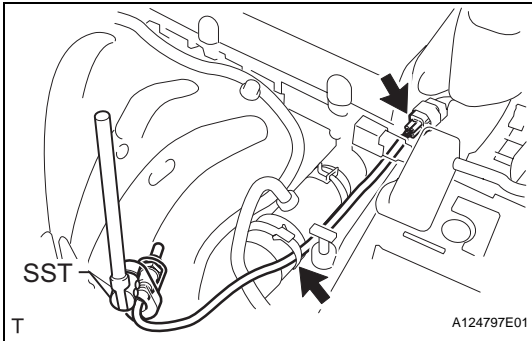
**CAUTION:**

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

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

- (a) Disconnect the sensor connector.
- (b) Using SST, remove the sensor from the exhaust manifold.

**SST 09224-00010**



## INSPECTION

1. INSPECT AIR FUEL RATIO SENSOR (for Bank 1 Sensor 1)

- (a) Measure the resistance of the sensor.

**Standard resistance**

Tester Connection	Specified Condition
1 (HA1A) - 2 (+B)	1.8 to 3.4 Ω at 20°C (68°F)
1 (HA1A) - 4 (A1A-)	10 kΩ or higher

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

## INSTALLATION

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

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

**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**

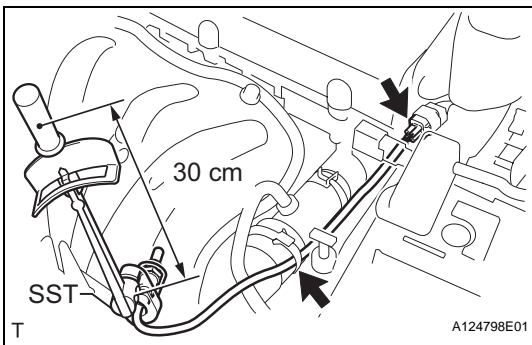
**HINT:**

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

- (b) Connect the sensor connector.

2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

3. CHECK FOR EXHAUST GAS LEAKS



EC