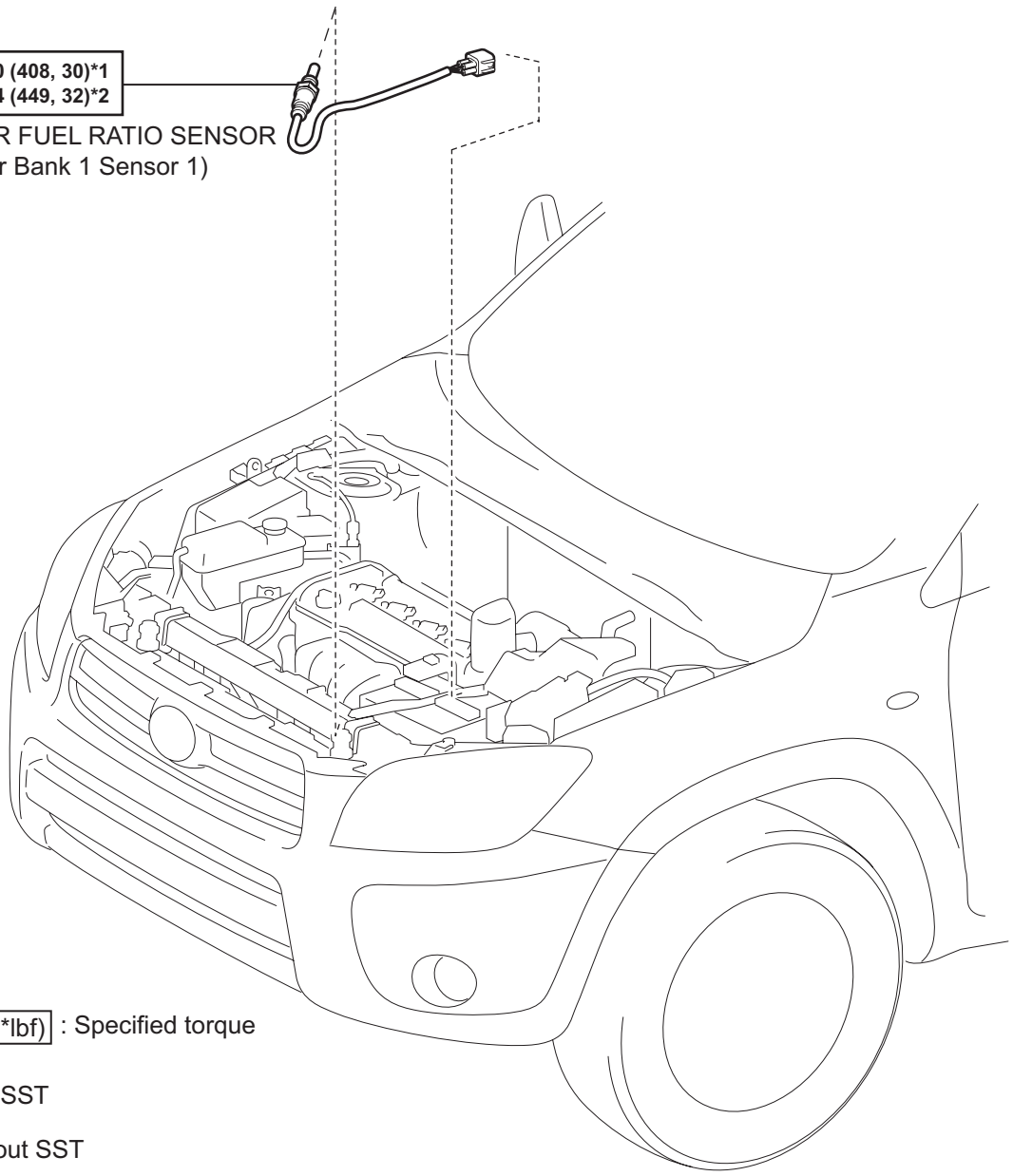
AIR FUEL RATIO SENSOR

COMPONENTS



EC

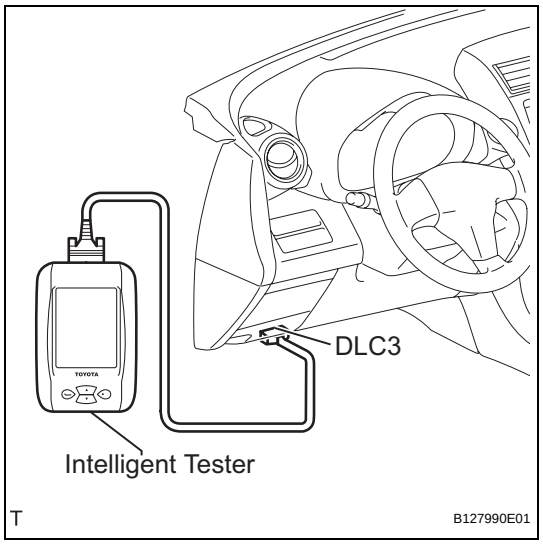
N*m (kgf*cm, ft.*lbf) : Specified torque

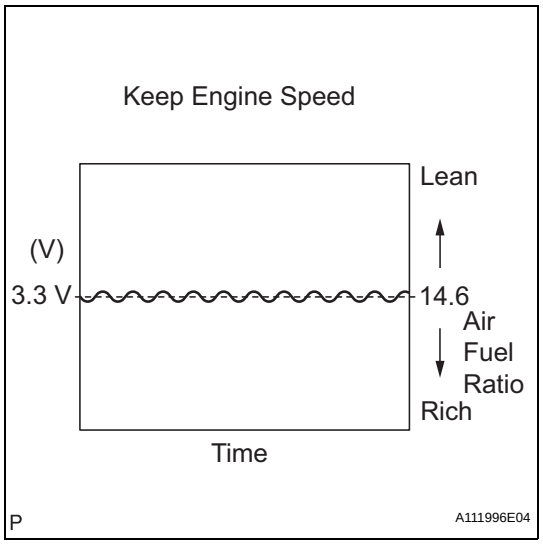
*1: For use with SST

*2: For use without SST

T

A124796E01





ON-VEHICLE INSPECTION

1. CHECK AIR FUEL RATIO COMPENSATION SYSTEM

(a) Connect the intelligent tester to the DLC3.

(b) Turn the ignition switch ON.

(c) Select the following menu items: Data List / A/FS B1 S1 and O2S B1 S2.

(d) Warm up the A/F sensor with the engine speed at 2,500 rpm for approximately 2 minutes.

(e) Keep the engine speed at 2,500 rpm and confirm that the display of "A/FS B1 S1" is as shown in the illustration.

HINT:

- The illustration may slightly differ from the display on the intelligent tester.
- Only the intelligent tester displays the waveform of the A/F sensor.

(f) Confirm that the display of "O2S B1 S2" changes between 0 to 1 V with the engine speed at 2,500 rpm.

OK:

The voltage output oscillates more than 8 times in 10 seconds.

NOTICE:

- **Perform the check immediately after warming the engine up.**
- **If the voltage variation could not be verified, warm up the A/F sensor again. If it could not be verified even after warming up the sensor again, check for DTCs (see page ES-292).**

EC