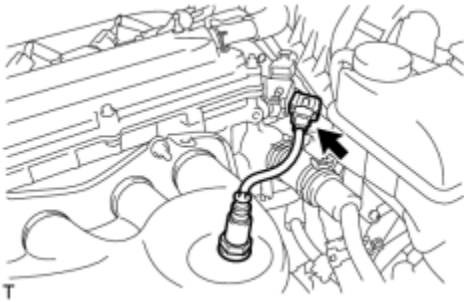| Last Modified: 5-25-2010	6.4 K	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM00000308H006X
Title: 2AZ-FXE ENGINE CONTROL: AIR FUEL RATIO SENSOR: COMPONENTS (2010 HS250H)		

COMPONENTS

ILLUSTRATION
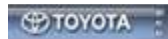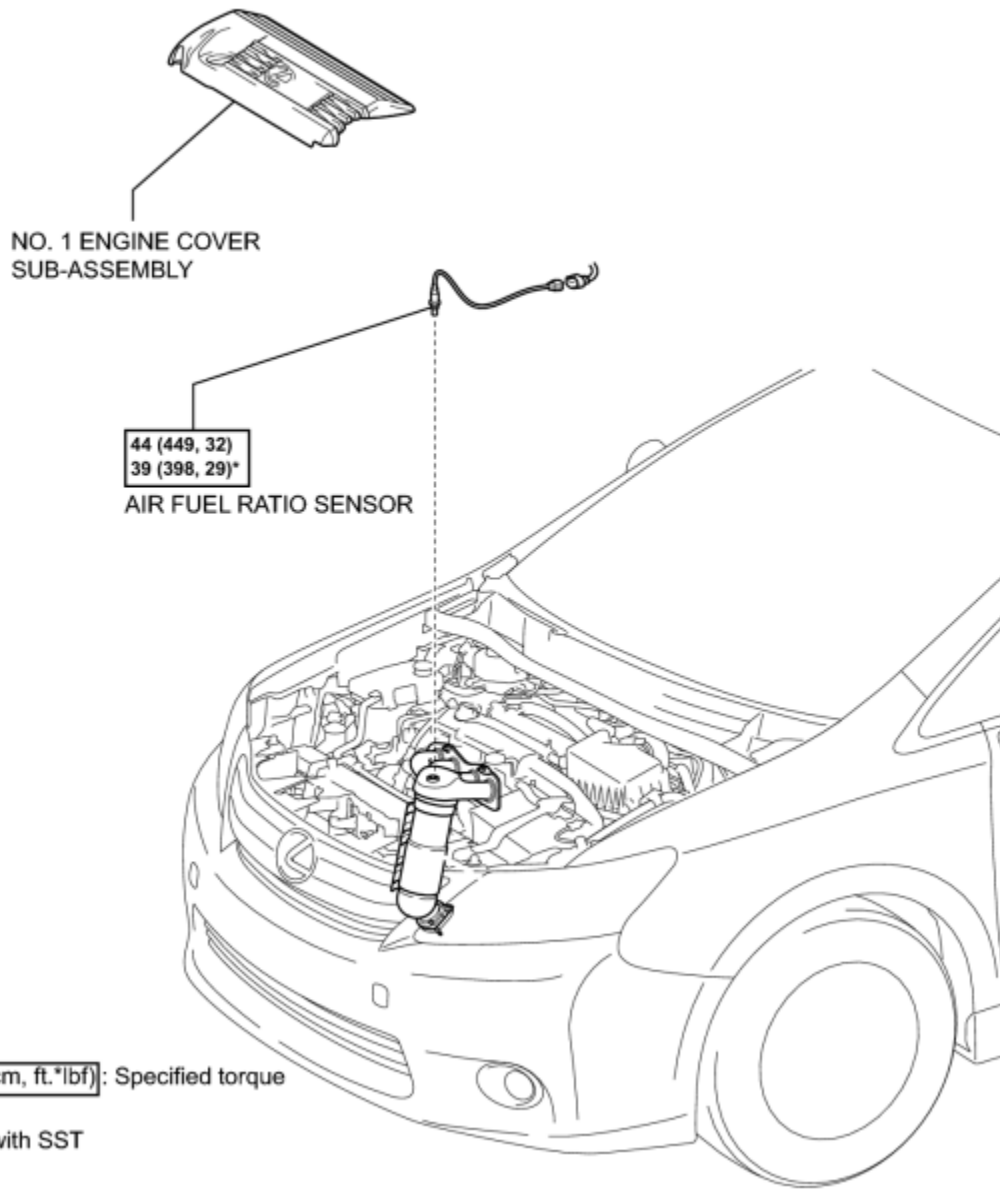
NO. 1 ENGINE COVER
SUB-ASSEMBLY

44 (449, 32)
39 (398, 29)*

AIR FUEL RATIO SENSOR

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

* For use with SST

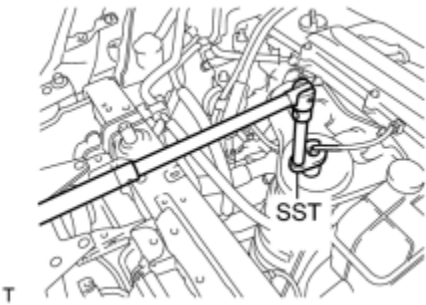| Last Modified: 5-25-2010	6.4 A	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM0000012OI010X
Title: 2AZ-FXE ENGINE CONTROL: AIR FUEL RATIO SENSOR: REMOVAL (2010 HS250H)		

REMOVAL

1. REMOVE NO. 1 ENGINE COVER SUB-ASSEMBLY INFO

2. REMOVE AIR FUEL RATIO SENSOR

(a) Disconnect the air fuel ratio sensor connector.

(b) Using SST, remove the air fuel ratio sensor.

SST: 09224-00010
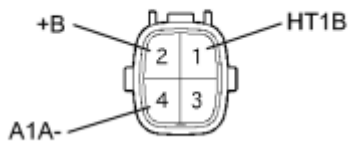
NOTICE:

Do not damage the air fuel ratio sensor.

Last Modified: 5-25-2010	6.4 G	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM0000012OG00ZX
Title: 2AZ-FXE ENGINE CONTROL: AIR FUEL RATIO SENSOR: INSPECTION (2010 HS250H)		

INSPECTION

1. INSPECT AIR FUEL RATIO SENSOR

(a) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

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

3

Text in Illustration	Component without harness connected
*a	(Air Fuel Ratio Sensor)

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

Last Modified: 5-25-2010	6.4 A	**From:** 200907
Model Year: 2010	**Model:** HS250H	**Doc ID:** RM0000012OF01BX
Title: 2AZ-FXE ENGINE CONTROL: AIR FUEL RATIO SENSOR: INSTALLATION (2010 HS250H)		

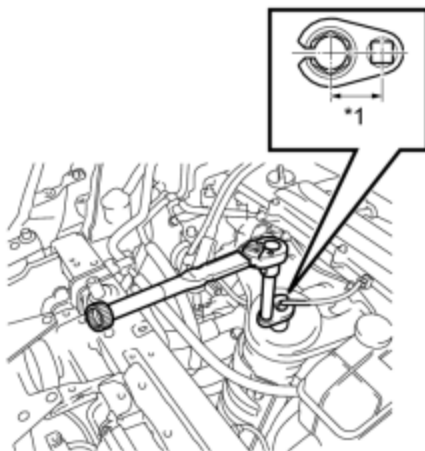# INSTALLATION

1. INSTALL AIR FUEL RATIO SENSOR

(a) Temporarily tighten the air fuel ratio sensor.

(b) Using SST, fully tighten the air fuel ratio sensor.

Text in Illustration	Fulcrum Length 30 mm
*1	

SST: 09224-00010

without SST - Torque: **44 N·m (449 kgf·cm, 32ft·lbf)**

with SST - Torque: **39 N·m (398 kgf·cm, 29ft·lbf)**

NOTICE:

- The "with SST" torque value is effective when using SST with a fulcrum length of 30 mm (1.18 in.).
- The "with SST" torque value is effective when using a torque wrench with a fulcrum length of 260 mm (10.23 in.).
- This torque value is effective when SST is parallel

to the torque wrench INFO .

(c) Connect the air fuel ratio sensor connector.

2. INSPECT FOR EXHAUST GAS LEAK

3. INSTALL NO. 1 ENGINE COVER SUB-ASSEMBLY INFO