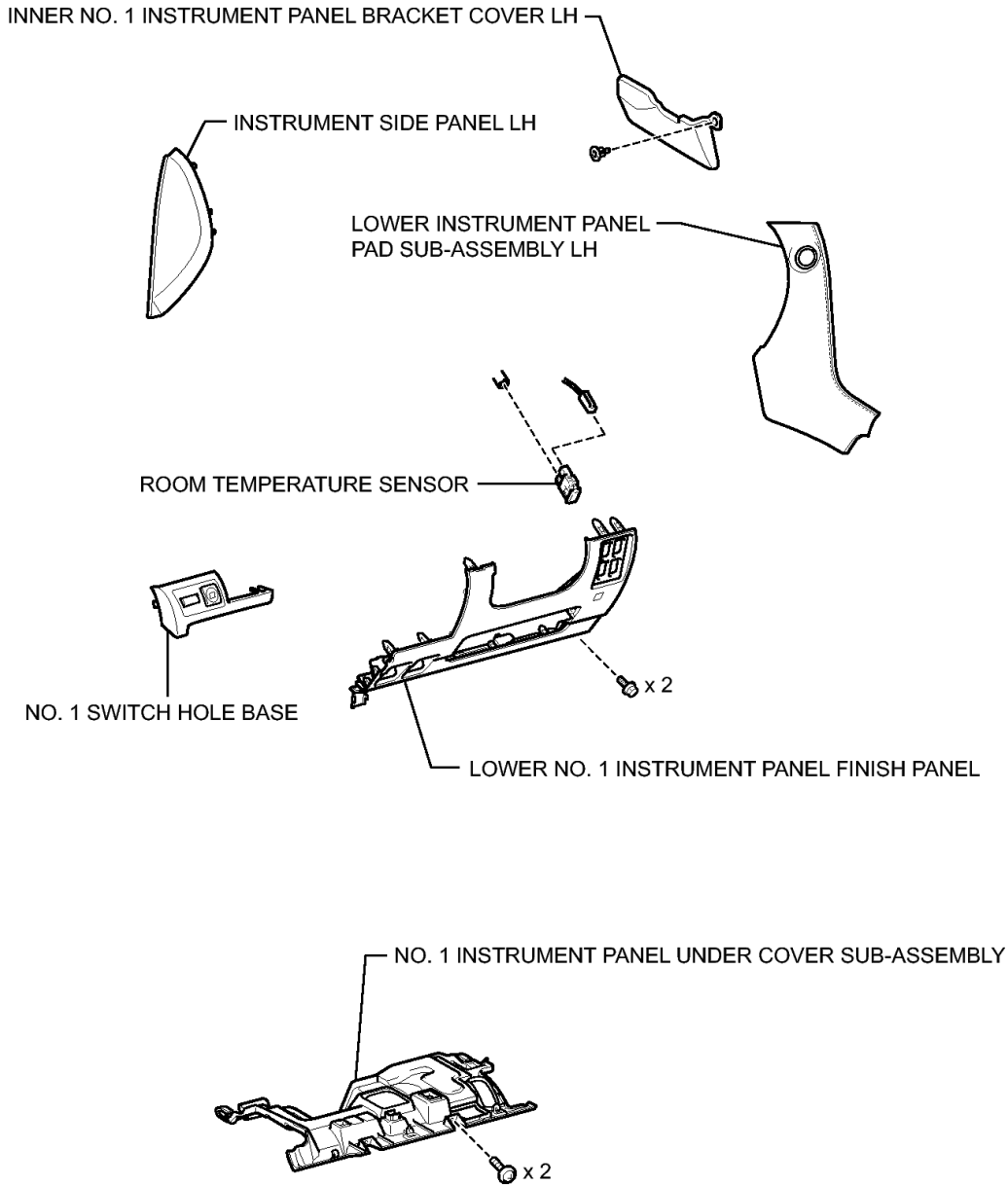


# ROOM TEMPERATURE SENSOR (FOR FRONT SIDE)

## COMPONENTS [08/2013 - ]

### ILLUSTRATION



T

**Fig. 218: Identifying Room Temperature Sensor Replacement Components (For Front Side)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

**REMOVAL [08/2013 - ]**

**REMOVAL [08/2013 - ]**

1. **REMOVE ENGINE ROOM SIDE COVER LH** . Refer to **REMOVAL [08/2013 - ] - Step 1**
2. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**

**WARNING:** Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

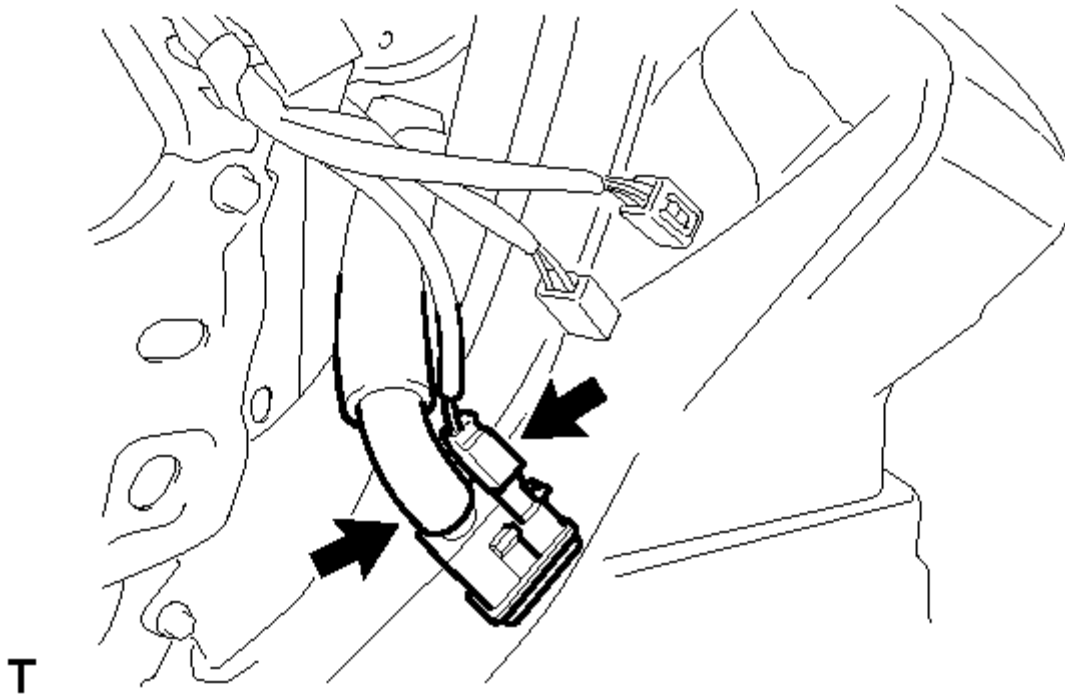
**NOTE:**

- w/ Navigation System:

After the engine switch is turned off, the HDD navigation system requires approximately 6 minutes to record various types of memory and settings. As a result, after turning the engine switch off, wait 6 minutes or more before disconnecting the cable from the negative (-) battery terminal.

- When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to **INITIALIZATION [08/2013 - ]** .

3. **REMOVE LOWER INSTRUMENT PANEL PAD SUB-ASSEMBLY LH** . Refer to **REMOVAL [08/2013 - ] - Step 18**
4. **REMOVE INNER NO. 1 INSTRUMENT PANEL BRACKET COVER LH** . Refer to **REMOVAL [08/2013 - ] - Step 19**
5. **REMOVE INSTRUMENT SIDE PANEL LH** . Refer to **REMOVAL [08/2013 - ] - Step 32**
6. **REMOVE NO. 1 SWITCH HOLE BASE** . Refer to **REMOVAL [08/2013 - ] - Step 33**
7. **REMOVE NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY** . Refer to **REMOVAL [08/2013 - ] - Step 39**
8. **REMOVE LOWER NO. 1 INSTRUMENT PANEL FINISH PANEL** . Refer to **REMOVAL [08/2013 - ] - Step 41**
9. **REMOVE ROOM TEMPERATURE SENSOR**



**Fig. 219: Locating Room Temperature Sensor Connector & Hose**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

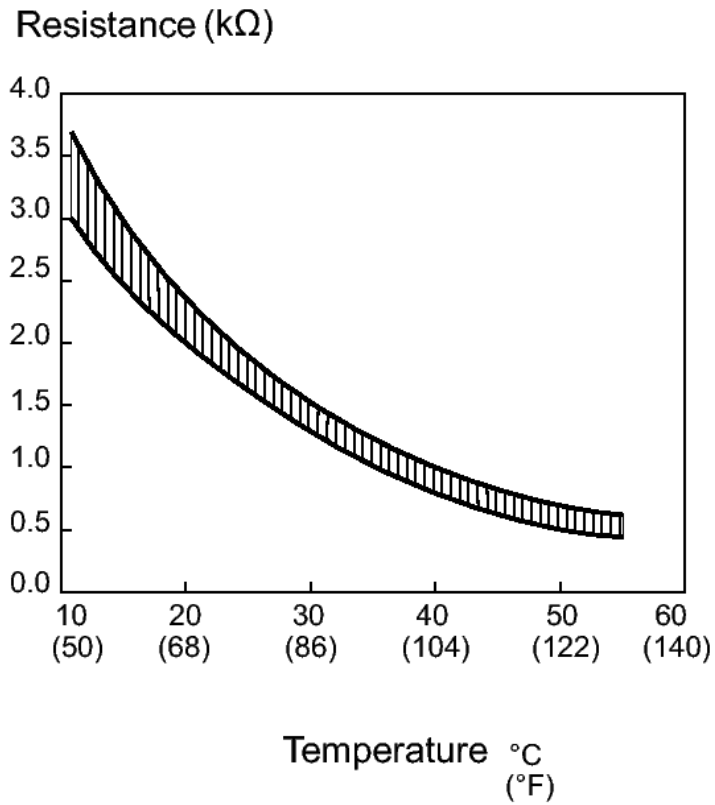
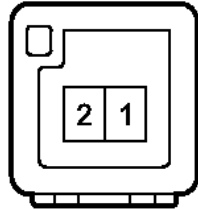
- a. Disconnect the connector.
- b. Disconnect the hose and remove the sensor.

**INSPECTION [08/2013 - ]**

**INSPECTION [08/2013 - ]**

**1. INSPECT ROOM TEMPERATURE SENSOR**

Component without harness connected:  
(Room Temperature Sensor)



H

**Fig. 220: Room Temperature Sensor Resistance Graph**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

## 2014 Lexus LX 570

2014 HVAC Air Conditioning System (Service Information) - LX570

### Standard Resistance

Tester Connection	Condition	Specified Condition
1 - 2	10°C (50°F)	3.00 to 3.73 kohms
	15°C (59°F)	2.45 to 2.88 kohms
	20°C (68°F)	1.95 to 2.30 kohms
	25°C (77°F)	1.60 to 1.80 kohms
	30°C (86°F)	1.28 to 1.47 kohms
	35°C (95°F)	1.00 to 1.22 kohms
	40°C (104°F)	0.80 to 1.00 kohms
	45°C (113°F)	0.65 to 0.85 kohms
	50°C (122°F)	0.50 to 0.70 kohms
	55°C (131°F)	0.44 to 0.60 kohms
	60°C (140°F)	0.36 to 0.50 kohms

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

#### NOTE:

- **Touching the sensor even slightly may change the resistance value. Hold the connector of the sensor.**
- **When measuring the resistance, the sensor temperature must be the same as the ambient temperature.**

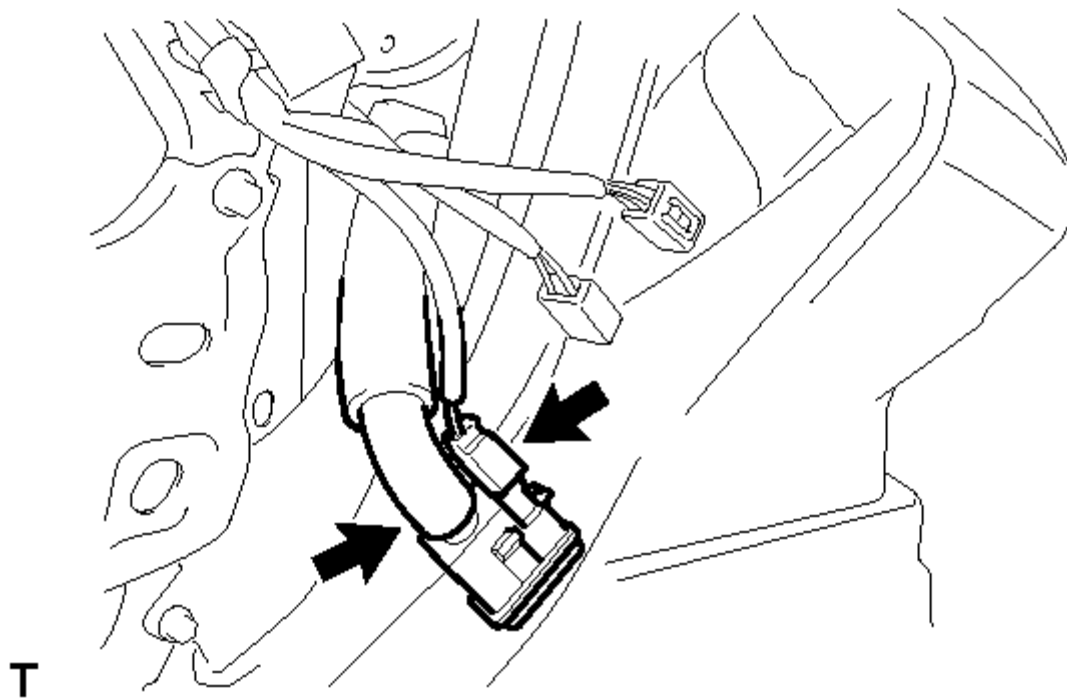
#### HINT:

As the temperature increases, the resistance decreases (see the graph **Fig. 220**).

### INSTALLATION [08/2013 - ]

#### INSTALLATION [08/2013 - ]

##### 1. INSTALL ROOM TEMPERATURE SENSOR



**Fig. 221: Locating Room Temperature Sensor Connector & Hose**  
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Install the sensor and connect the hose.
  - b. Connect the connector.
2. **INSTALL LOWER NO. 1 INSTRUMENT PANEL FINISH PANEL** . Refer to **INSTALLATION [08/2013 - ] - Step 27**
  3. **INSTALL NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY** . Refer to **INSTALLATION [08/2013 - ] - Step 29**
  4. **INSTALL NO. 1 SWITCH HOLE BASE** . Refer to **INSTALLATION [08/2013 - ] - Step 35**
  5. **INSTALL INSTRUMENT SIDE PANEL LH** . Refer to **INSTALLATION [08/2013 - ] - Step 36**
  6. **INSTALL INNER NO. 1 INSTRUMENT PANEL BRACKET COVER LH** . Refer to **INSTALLATION [08/2013 - ] - Step 49**
  7. **INSTALL LOWER INSTRUMENT PANEL PAD SUB-ASSEMBLY LH** . Refer to **INSTALLATION [08/2013 - ] - Step 50**
  8. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
- NOTE:**        **When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to INITIALIZATION [08/2013 - ] .**
9. **INSTALL ENGINE ROOM SIDE COVER LH** . Refer to **INSTALLATION [08/2013 - ] - Step 3**
  10. **CHECK SRS WARNING LIGHT**
    - a. Check the SRS warning light. Refer to **CHECK MODE PROCEDURE [08/2013 - ]** .