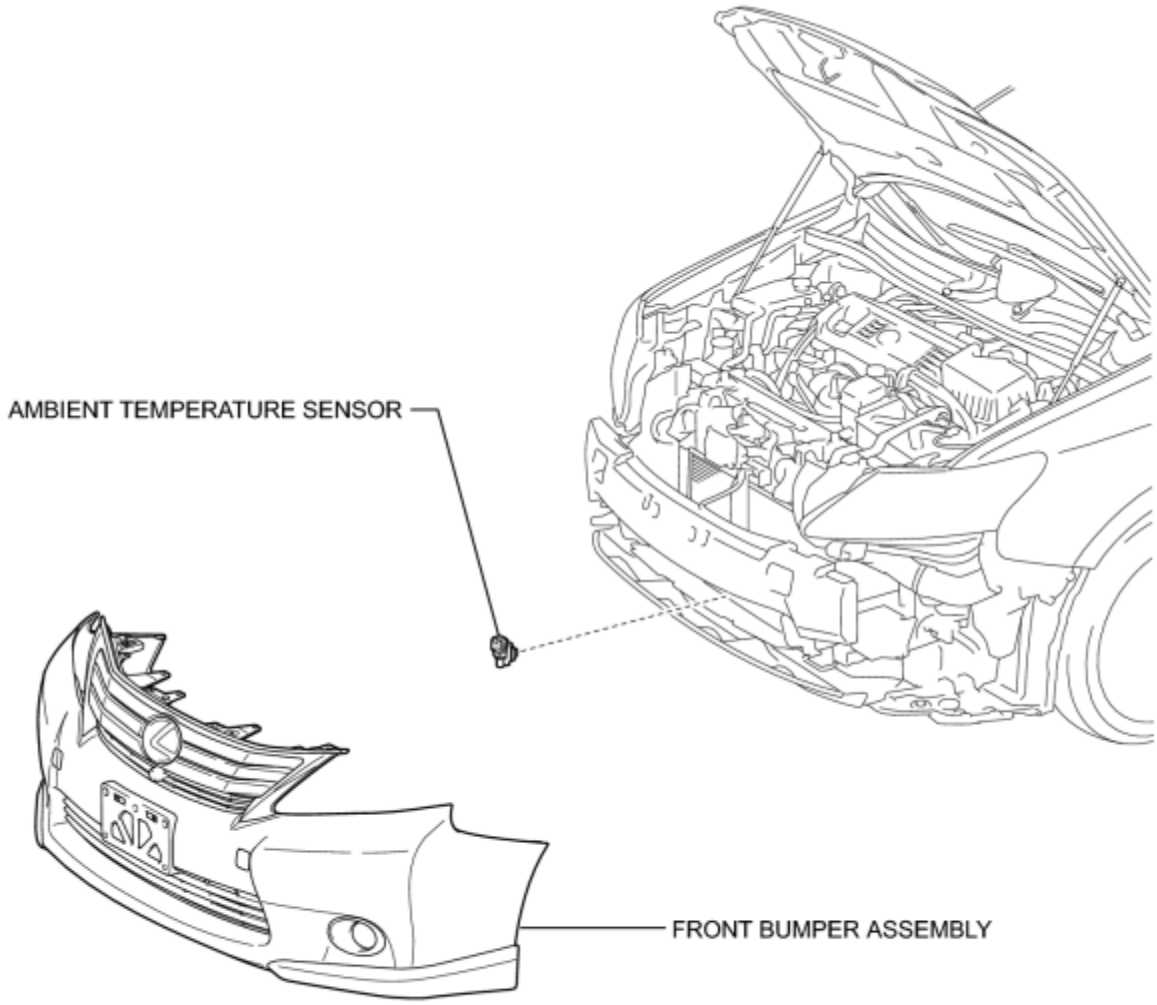
Last Modified: 10-5-2010	6.4 K	**From:** 200907
Model Year: 2010	**Model:** HS250H	**Doc ID:** RM0000035K100FX
Title: HEATING / AIR CONDITIONING: AMBIENT TEMPERATURE SENSOR: COMPONENTS (2010 HS250H)		

COMPONENTS

ILLUSTRATION



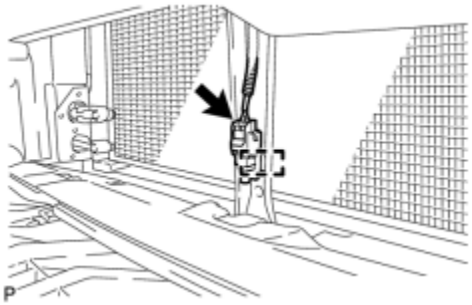
Last Modified: 10-5-2010	6.4 A	**From:** 200907
Model Year: 2010	**Model:** HS250H	**Doc ID:** RM0000035K200KX
Title: HEATING / AIR CONDITIONING: AMBIENT TEMPERATURE SENSOR: REMOVAL (2010 HS250H)		

REMOVAL

1. REMOVE FRONT BUMPER ASSEMBLY

(a) Remove the front bumper assembly INFO.

2. REMOVE AMBIENT TEMPERATURE SENSOR



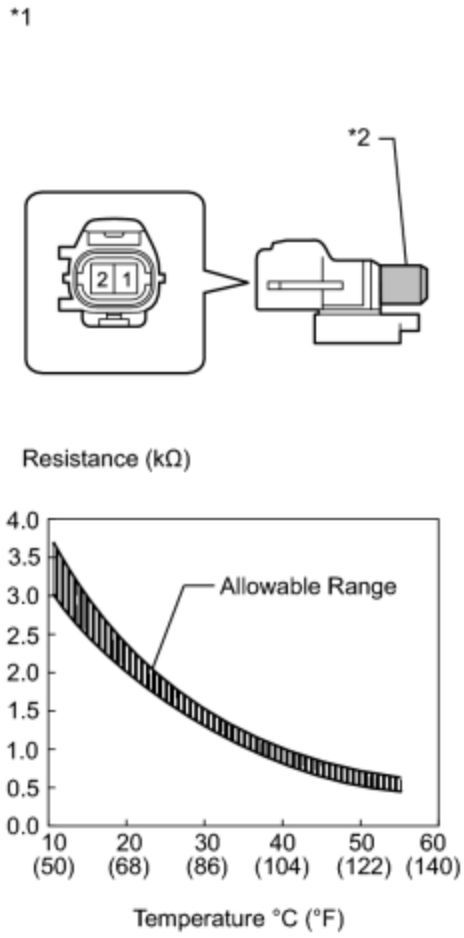
(a) Disconnect the connector.

(b) Disengage the clamp to remove the ambient temperature sensor.

Last Modified: 10-5-2010	6.4 G	**From:** 200907
Model Year: 2010	**Model:** HS250H	**Doc ID:** RM00000201P02SX
Title: HEATING / AIR CONDITIONING: AMBIENT TEMPERATURE SENSOR: INSPECTION (2010 HS250H)		

INSPECTION

1. INSPECT AMBIENT TEMPERATURE SENSOR



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

Standard Resistance:

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

Text in Illustration	
*1	Component without harness connected (Ambient Temperature Sensor)
*2	Sensing Portion

NOTICE:

- Hold the sensor only by its connector. Touching the sensor may change the resistance value.
- When measuring, the sensor temperature must be

the same as the ambient temperature.

HINT:

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

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

Last Modified: 10-5-2010	6.4 A	**From:** 200907
Model Year: 2010	**Model:** HS250H	**Doc ID:** RM0000035K000KX
Title: HEATING / AIR CONDITIONING: AMBIENT TEMPERATURE SENSOR: INSTALLATION (2010 HS250H)		

INSTALLATION

1. INSTALL AMBIENT TEMPERATURE SENSOR

(a) Engage the clamp to install the ambient temperature sensor.

(b) Connect the connector.

2. INSTALL FRONT BUMPER ASSEMBLY

(a) Install the air conditioning unit assembly INFO.