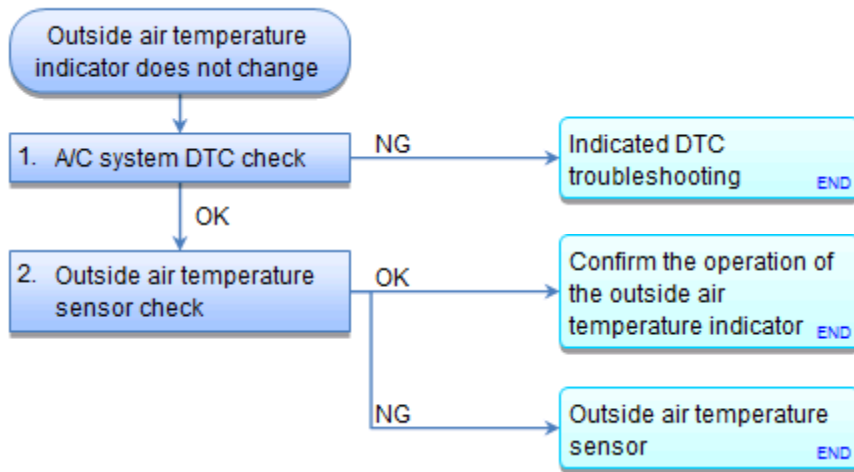


Gauges Symptom Troubleshooting - Outside air temperature indicator does not change



Outside air temperature indicator does not change

NOTE: Outside air temperature is indicated based on the measurement value of the outside air temperature sensor located behind the left of the front bumper. Because of the location of the sensor, it may be affected by heat reflection from the road, engine and radiator heat, or hot exhaust from surrounding traffic. To display the outside air temperature, the gauge control module has an indication mode based on engine coolant temperature and vehicle speed. Some modes do not raise the temperature indication, so the outside air temperature indication may not change when the mode continues.

Outside Air Temperature Indication Mode

Indication Mode	Indication Temperature Increase	Indication Temperature Decrease	Notes
Initial Indication	-----	-----	<ul style="list-style-type: none"> ● If the current outside air temperature is higher than the indicated outside air temperature at the last time the vehicle OFF (LOCK) mode, and the engine coolant temperature is higher than 140 °F (60 °C): The last outside air temperature that was indicated before the vehicle OFF (LOCK) mode is displayed. ● If the current outside air temperature is higher than the indicated outside air temperature at the last time the vehicle OFF (LOCK) mode, and the engine coolant temperature is lower than 140 °F (60 °C): The current temperature measured by the outside air temperature sensor is indicated. ● If the current outside air temperature is lower than the indicated outside air temperature at the last time the vehicle OFF (LOCK) mode: The current temperature measured by the outside air temperature sensor is indicated.

Indication Mode	Indication Temperature Increase	Indication Temperature Decrease	Notes
Garage Mode	Increases 1 °F every 1 second (or 1 °C every 2 seconds) to the current outside air temperature.	Decreases 1 °F every 1 second (or 1 °C every 2 seconds) to the current outside air temperature.	If the engine coolant temperature is lower than 140 °F (60 °C) when the vehicle is in the ON mode, the mode shifts to the garage mode.
Traffic Jam Mode	————	If the outside air temperature is less than the indicated temperature, the temperature decreases by 1 °F per 1 second (or 1 °C per 2 seconds).	<ul style="list-style-type: none"> ● If the engine coolant temperature is higher than 140 °F (60 °C), the mode shifts to the traffic jam mode. ● At stable run mode, if the vehicle speed is less than 19 mph (30 km/h), the mode shifts to traffic jam mode. <p>NOTE: Once entering to the traffic jam mode, the mode does not shift to the garage mode even after the engine coolant temperature goes below 140 °F (60 °C).</p>
Stable Run Mode	Increases 1 °F every 17 seconds (or 1 °C every 30 seconds) to the current outside air temperature.	Decreases 1 °F every 1 second (or 1 °C every 2 seconds) to the current outside air temperature.	If the vehicle speed is 19 mph (30 km/h) or more for more than 28 seconds, the mode shifts to stable run mode.

1. A/C system DTC check:

-1. Check for DTCs with the HDS.

DTC Description	DTC
B1227 An open in the outside air temperature sensor circuit	
B1228 A short in the outside air temperature sensor circuit	

Is DTC B1227 or B1228 indicated?

YES Go to the indicated DTC troubleshooting.■

NO Go to step 2.

2. Outside air temperature sensor check:

-1. [Test the outside air temperature sensor.](#)

Is the outside air temperature sensor OK?

YES Confirm the operation of the outside air temperature indicator.■

NO [Replace the outside air temperature sensor.](#)■