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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> HEATING / AIR CONDITIONING: INTERNAL CONDENSER TEMPERATURE SENSOR: INSPECTION; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		

# INSPECTION

## PROCEDURE

### 1. INSPECT INTERNAL CONDENSER TEMPERATURE SENSOR

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

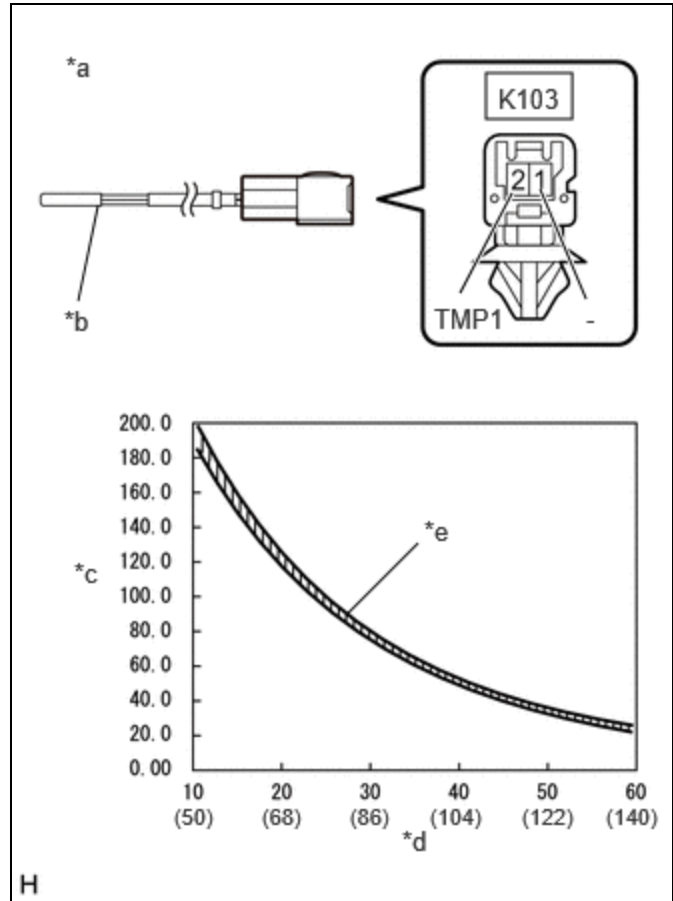
Standard Resistance:



[Click Location & Routing\(K103\)](#)

[Click Connector\(K103\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
K103-1 (-) - K103-2 (TMP1)	10°C (50°F)	189.0 to 197.8 kΩ	kΩ
K103-1 (-) - K103-2 (TMP1)	15°C (59°F)	149.1 to 155.4 kΩ	kΩ
K103-1 (-) - K103-2 (TMP1)	20°C (68°F)	118.3 to 123.0 kΩ	kΩ
K103-1 (-) - K103-2 (TMP1)	25°C (77°F)	94.5 to 97.9 kΩ	kΩ
K103-1 (-) - K103-2 (TMP1)	30°C (86°F)	76.0 to 78.5 kΩ	kΩ
K103-1 (-) - K103-2 (TMP1)	35°C (95°F)	61.5 to 63.3 kΩ	kΩ
K103-1 (-) - K103-2 (TMP1)	40°C (104°F)	50.0 to 51.4 kΩ	kΩ
K103-1 (-) - K103-2 (TMP1)	45°C (113°F)	41.0 to 41.9 kΩ	kΩ
K103-1 (-) - K103-2 (TMP1)	50°C (122°F)	33.7 to 34.4 kΩ	kΩ
K103-1 (-) - K103-2 (TMP1)	55°C (131°F)	27.8 to 28.4 kΩ	kΩ
K103-1 (-) - K103-2 (TMP1)	60°C (140°F)	23.1 to 23.6 kΩ	kΩ



*a	Component without harness connected (Internal Condenser Temperature Sensor)
*b	Sensing Portion
*c	Resistance (kΩ)
*d	Temperature (°C (°F))
*e	Allowable Range

**NOTICE:**

- Hold the sensor only by its connector. Touching the sensing portion 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 result is not as specified, replace the internal condenser temperature sensor.

