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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: EVAPORATOR PIPE TEMPERATURE SENSOR: INSPECTION; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		

## INSPECTION

## PROCEDURE

### 1. INSPECT NO. 2 AIR CONDITIONING THERMISTOR ASSEMBLY

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

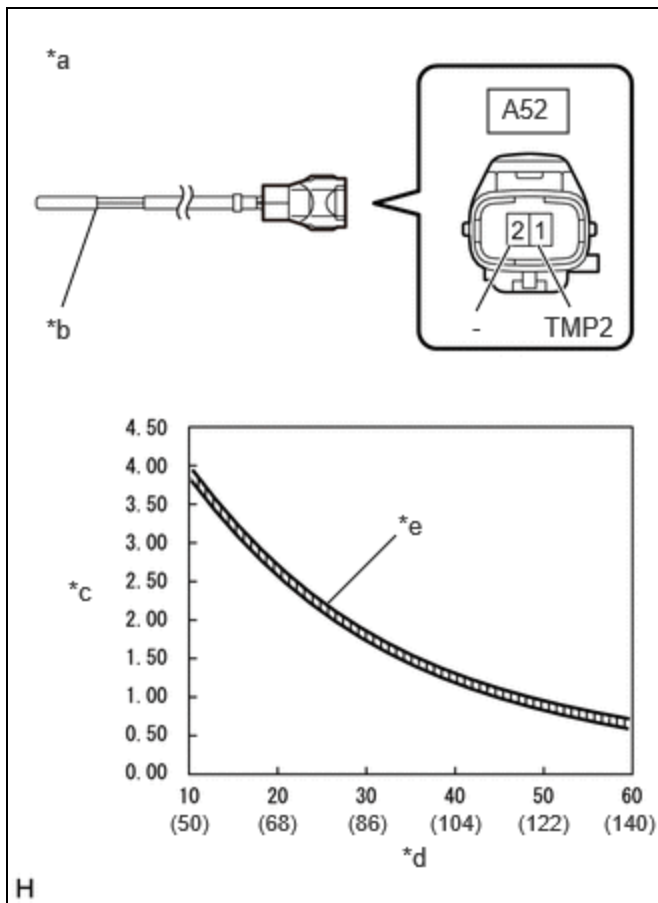
Standard Resistance:



[Click Location & Routing\(A52\)](#)

[Click Connector\(A52\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
A52-1(TMP2) - A52-2(-)	10°C (50°F)	3.87 to 3.96 kΩ	kΩ
A52-1(TMP2) - A52-2(-)	15°C (59°F)	3.15 to 3.23 kΩ	kΩ
A52-1(TMP2) - A52-2(-)	20°C (68°F)	2.57 to 2.66 kΩ	kΩ
A52-1(TMP2) - A52-2(-)	25°C (77°F)	2.12 to 2.20 kΩ	kΩ
A52-1(TMP2) - A52-2(-)	30°C (86°F)	1.75 to 1.83 kΩ	kΩ
A52-1(TMP2) - A52-2(-)	35°C (95°F)	1.46 to 1.53 kΩ	kΩ
A52-1(TMP2) - A52-2(-)	40°C (104°F)	1.22 to 1.29 kΩ	kΩ
A52-1(TMP2) - A52-2(-)	45°C (113°F)	1.03 to 1.09 kΩ	kΩ
A52-1(TMP2) - A52-2(-)	50°C (122°F)	0.87 to 0.92 kΩ	kΩ
A52-1(TMP2) - A52-2(-)	55°C (131°F)	0.74 to 0.78 kΩ	kΩ
A52-1(TMP2) - A52-2(-)	60°C (140°F)	0.63 to 0.67 kΩ	kΩ



*a	Component without harness connected (No. 2 Air Conditioning Thermistor Assembly)
*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 No. 2 air conditioning thermistor assembly.

