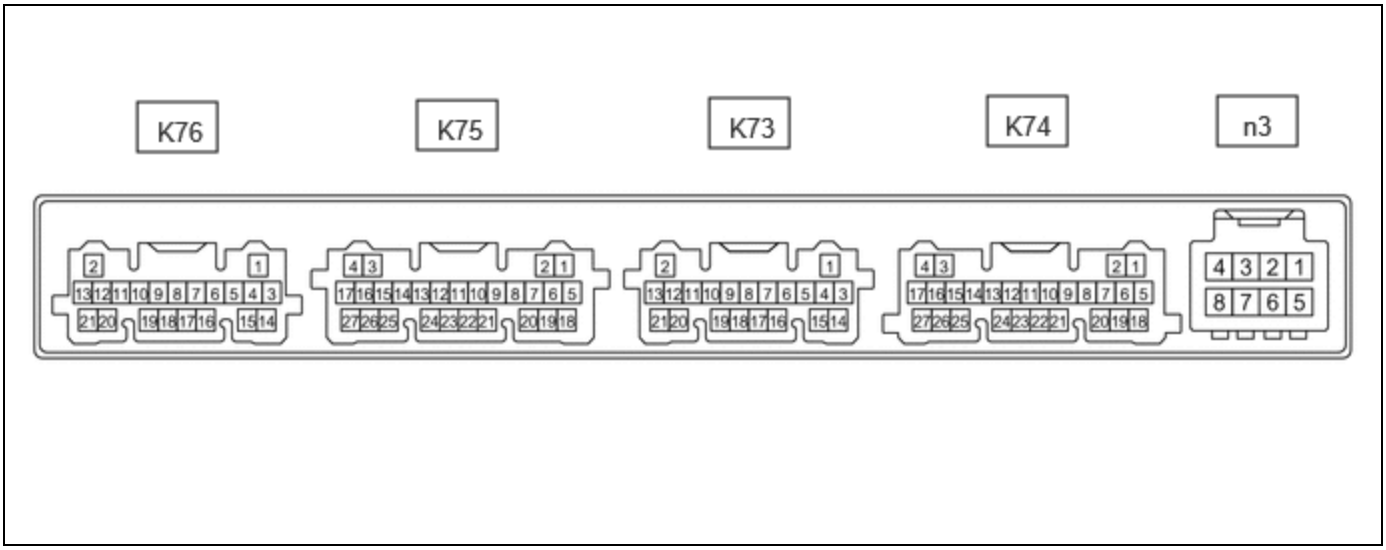
Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM1000000029X4G
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: SEAT: CLIMATE CONTROL SEAT SYSTEM: TERMINALS OF ECU; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

TERMINALS OF ECU

CHECK AIR CONDITIONING AMPLIFIER ASSEMBLY



(a) Disconnect the K74 air conditioning amplifier assembly connector.

(b) Measure the voltage and resistance according to the value(s) in the table below.

HINT:

Measure the values on the wire harness side with the connector disconnected.

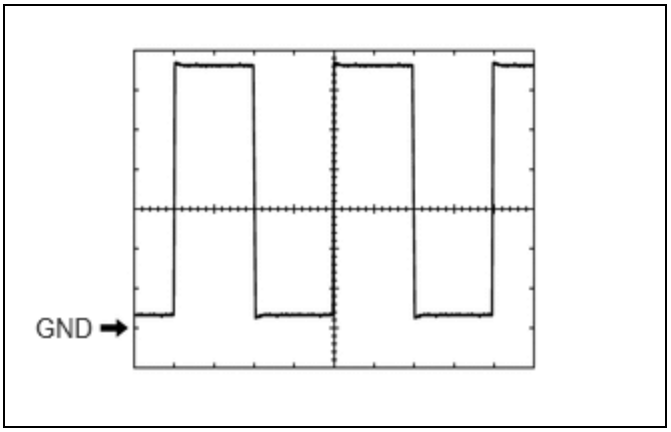
TERMINAL NO. (SYMBOL)	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
K74-6 (IG+) - K74-17 (GND)	IG power supply	Ignition switch off	Below 1 V
K74-6 (IG+) - K74-17 (GND)	IG power supply	Ignition switch ON	11 to 14 V
K74-17 (GND) - Body ground	Ground	Always	Below 1 Ω

(c) Reconnect the K74 air conditioning amplifier assembly connector.

(d) Check for pulses according to the value(s) in the table below.

TERMINAL NO. (SYMBOL)	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
K74-13 (ROUT) - Body ground	RH side climate control blower control signal	• Ignition switch ON • Climate control switch RH on	Pulse generation (See waveform)
K74-14 (LOUT) - Body ground	LH side climate control blower control signal	• Ignition switch ON • Climate control switch LH on	Pulse generation (See waveform)

(1) Waveform (Reference):



Measurement Condition

ITEM	CONTENT
Tester Connection	• K74-13 (ROUT) - Body ground • K74-14 (LOUT) - Body ground
Tool Setting	1 V/DIV., 1 ms/DIV.
Vehicle Condition	• Ignition switch ON • Climate control switch RH on • Climate control switch LH on

CHECK AIR CONDITIONING CONTROL ASSEMBLY

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