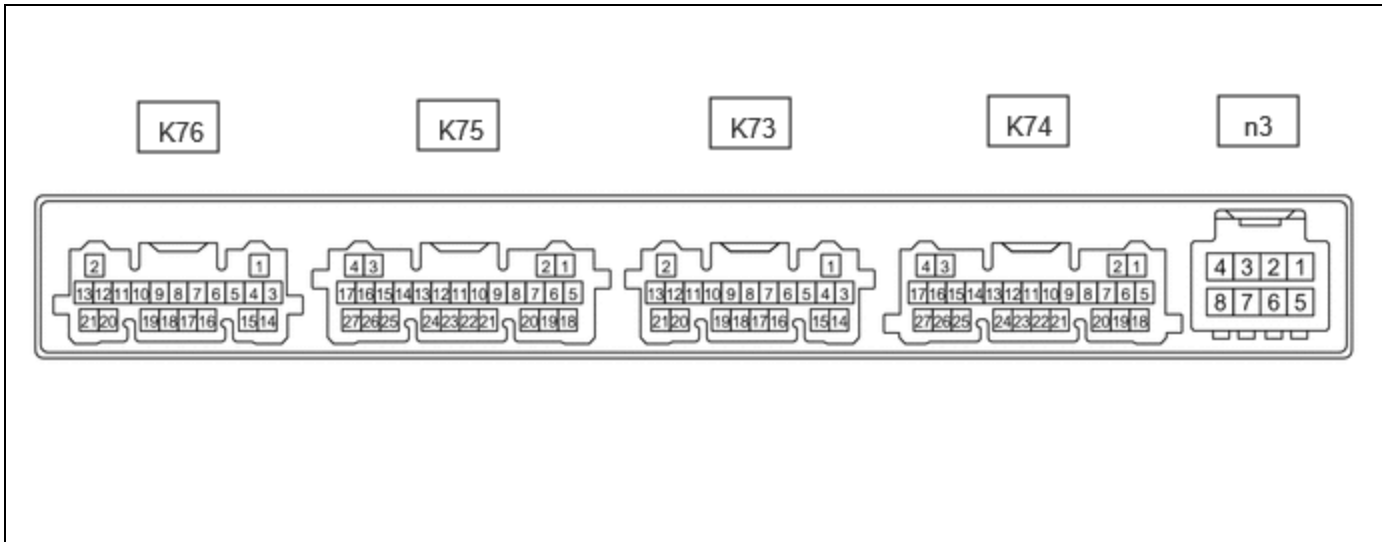


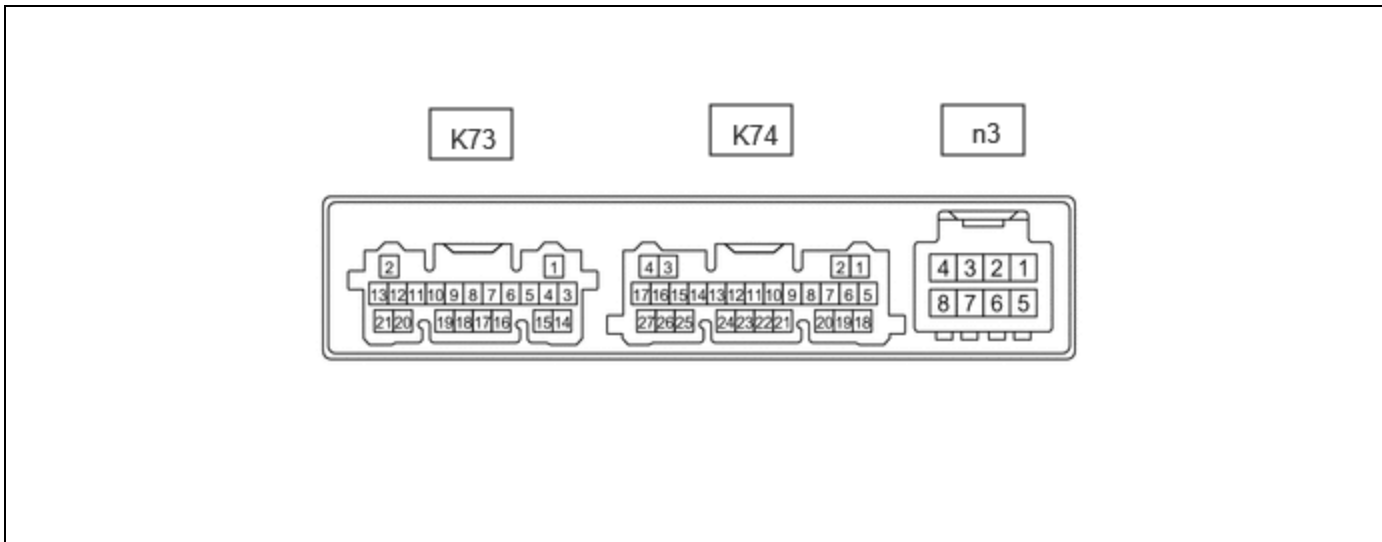
<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM1000000029X6U
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> WINDOW / GLASS: WINDSHIELD DEICER SYSTEM: TERMINALS OF ECU; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## TERMINALS OF ECU

for Type A:



for Type B:



### 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
K74-5 (B) - K74-17 (GND)	Auxiliary battery power supply	Ignition switch off	11 to 14 V
K74-6 (IG+) - K74-17 (GND)	Power source (IG)	Ignition switch ON	11 to 14 V
		Ignition switch off	Below 1 V
K74-17 (GND) - Body ground	Ground	Always	Below 1 $\Omega$

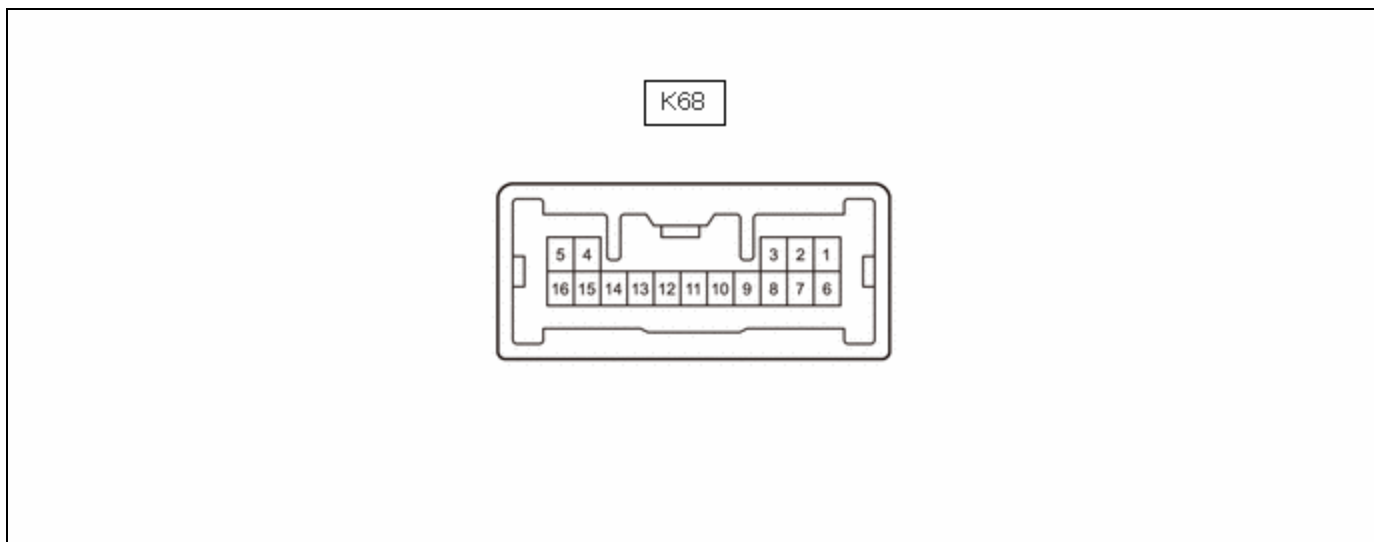
(c) Reconnect the K74 air conditioning amplifier assembly connector.

(d) Measure the voltage according to the value(s) in the table below.

TERMINAL NO. (SYMBOL)	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
K74-22 (FDEF) - K74-17 (GND)	Windshield deicer signal	Ignition switch ON, front window deicer switch off	11 to 14 V
		Ignition switch ON, front window deicer switch on	Below 2.2 V

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

TERMINAL NO. (SYMBOL)	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
K74-7 (LIN1) - K74-17 (GND)	LIN communication line	Ignition switch ON	Pulse generation



### CHECK AIR CONDITIONING CONTROL ASSEMBLY

(a) Disconnect the K68 air conditioning control assembly connector.

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

TERMINAL NO. (SYMBOL)	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
K68-1 (IG+) - K68-16 (GND)	Power source (IG)	Ignition switch ON	11 to 14 V
		Ignition switch off	Below 1 V
K68-16 (GND) - Body ground	Ground	Always	Below 1 $\Omega$

(c) Reconnect the K68 air conditioning control assembly connector.

(d) Measure the voltage according to the value(s) in the table below.

TERMINAL NO. (SYMBOL)	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
K68-10 (SW3) - K68-16 (GND)	Front window deicer switch signal	Ignition switch ON, front window deicer switch off	11 to 14 V
		Ignition switch ON, front window deicer switch on	Below 1 V
K68-4 (SWC) - K68-16 (GND)	Front window deicer switch indicator signal	Ignition switch ON, front window deicer switch off	Below 1 V
		Ignition switch ON, front window deicer switch on	11 to 14 V

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

TERMINAL NO. (SYMBOL)	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
K68-14 (LIN1) - K68-16 (GND)	LIN communication line	Ignition switch ON	Pulse generation

