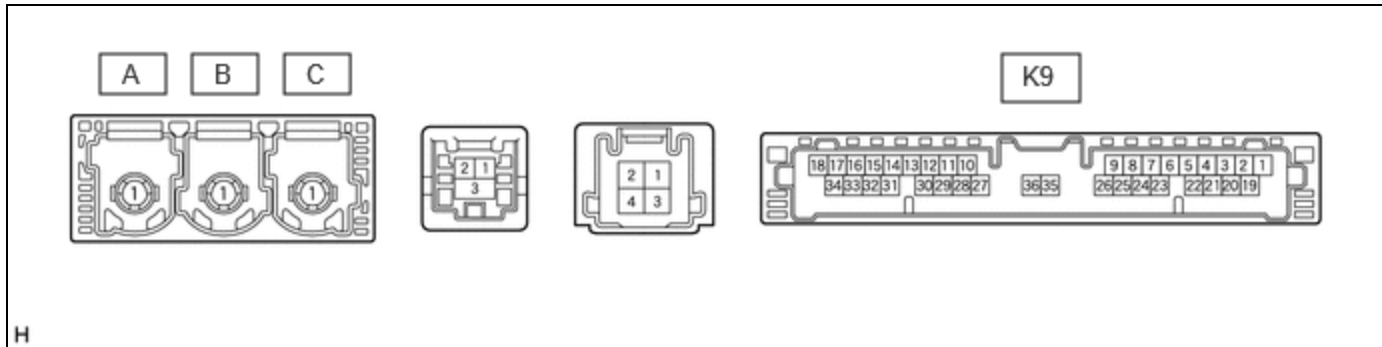


<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM1000000028U0Q
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> CELLULAR COMMUNICATION: SAFETY CONNECT SYSTEM: TERMINALS OF ECU; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## TERMINALS OF ECU

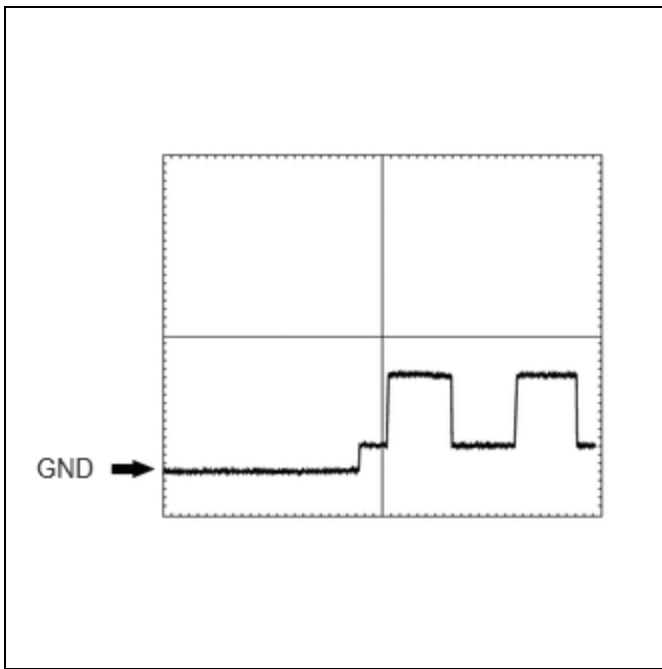
### CHECK DCM (TELEMATICS TRANSCEIVER)



TERMINAL NO. (SYMBOL)	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
K9-1 (+B) - K9-20 (E)	Power source (+B)	Always	11 to 14 V
K9-3 (SIG-) - K9-20 (E)	Ground	Always	Below 1 V
K9-4 (IND1) - K9-20 (E)	Manual (SOS) switch red indicator illumination signal	For 2 seconds after turning the ignition switch ON	1 to 8.5 V
		Ignition switch off	Below 1 V
K9-5 (MCVD) - K9-20 (E)	Telephone microphone assembly power supply	Ignition switch ON	7.5 to 8.5 V
		Ignition switch off	Below 1 V
K9-6 (MCI+) - K9-20 (E)	Receive microphone voice signal	Voice being input to telephone microphone assembly	A waveform synchronized with microphone voice signal is input
K9-7 (MCI-) - K9-20 (E)	Receive microphone voice signal	Always	Below 1 V
K9-13 (GSW) - K9-20 (E)	Collision detection signal	Ignition switch ON	Pulse generation (Refer to waveform 1)
K9-19 (IG2) - K9-20 (E)	Power source (IG)	Ignition switch ON	11 to 14 V
		Ignition switch off	Below 1 V
K9-20 (E) - Body ground	Ground	Always	Below 1 Ω
K9-21 (SIG1) - K9-3 (SIG-)	Manual (SOS) switch button condition signal	Manual (SOS) switch not pressed	1.3 to 1.9 V
		Manual (SOS) switch pressed	0.5 to 0.8 V

TERMINAL NO. (SYMBOL)	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
K9-22 (IND2) - K9-20 (E)	Manual (SOS) switch green indicator illumination signal	For 2 seconds after turning the ignition switch ON	1 to 8.5 V
		Ignition switch off	Below 1 V
K9-23 (SGND) - K9-20 (E)	Shield ground	Always	Below 1 Ω
K9-25 (CANP)	CAN communication signal	-	-
K9-26 (CANN)	CAN communication signal	-	-

(a) Oscilloscope waveform:



(1) Waveform 1

ITEM	CONDITION
Tester connection	K9-13 (GSW) - K9-20 (E)
Tool setting	5.0 V/DIV., 20 ms/DIV.
Vehicle condition	Ignition switch ON

