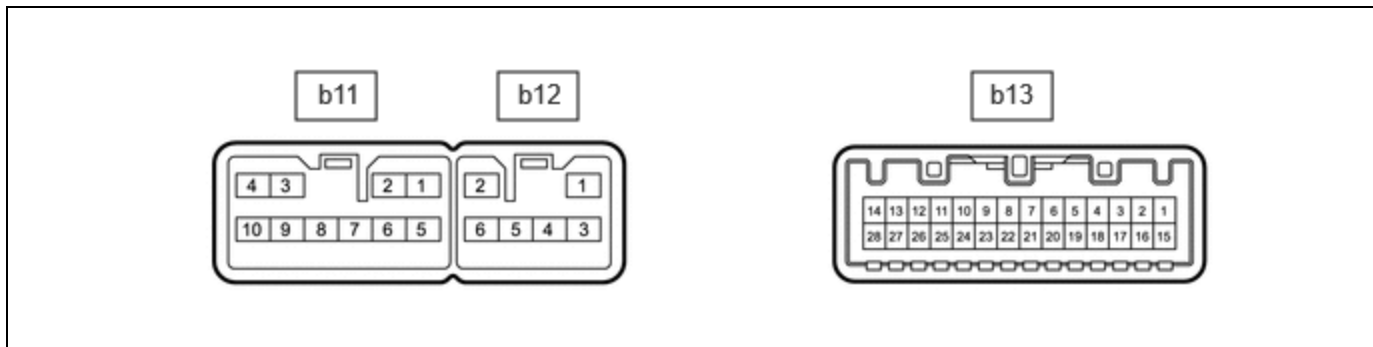


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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: SEAT: FRONT POWER SEAT CONTROL SYSTEM (w/ Memory): TERMINALS OF ECU; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

TERMINALS OF ECU

CHECK POSITION CONTROL ECU ASSEMBLY LH



- (a) Disconnect the b11 and b13 position control ECU assembly LH connectors.
- (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.

TESTER CONNECTION	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
b11-2 (GND) - Body ground	Ground	Always	Below 1 Ω
b11-3 (+B) - Body ground	Auxiliary battery power supply	Ignition switch off	11 to 14 V
b13-1 (IG) - Body ground	Ignition power supply	Ignition switch off	Below 1 V
		Ignition switch ON	11 to 14 V
b13-15 (SYSB) - Body ground	System power source	Ignition switch off	11 to 14 V
b13-16 (DBCL) - Body ground	Driver seat belt buckle switch signal	Driver seat belt unfastened	10 kΩ or higher
		Driver seat belt fastened	Below 1 Ω

- (c) Reconnect the b11 and b13 position control ECU assembly LH connectors.
- (d) Measure the voltage and resistance according to the value (s) in the table below.

TESTER CONNECTION	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
b11-1 (SLD+) - Body ground	Slide motor signal (forward)	Slide switch off	Below 1 V
		Slide switch on (Forward)	11 to 14 V
b11-5 (SLD-) - Body ground	Slide motor signal (rearward)	Slide switch off	Below 1 V
		Slide switch on (Rearward)	11 to 14 V

TESTER CONNECTION	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
b11-6 (LFT+) - Body ground	Lifter motor signal (upward)	Lifter switch off	Below 1 V
		Lifter switch on (Upward)	11 to 14 V
b12-5 (LFT-) - Body ground	Lifter motor signal (downward)	Lifter switch off	Below 1 V
		Lifter switch on (Downward)	11 to 14 V
b11-10 (RCL+) - Body ground	Reclining motor signal (forward)	Reclining switch off	Below 1 V
		Reclining switch on (Forward)	11 to 14 V
b12-6 (RCL-) - Body ground	Reclining motor signal (rearward)	Reclining switch off	Below 1 V
		Reclining switch on (Rearward)	11 to 14 V
b11-7 (FRV+) - Body ground	Front vertical motor signal (upward)	Front vertical switch off	Below 1 V
		Front vertical switch on (Upward)	11 to 14 V
b12-4 (FRV-) - Body ground	Front vertical motor signal (downward)	Front vertical switch off	Below 1 V
		Front vertical switch on (Downward)	11 to 14 V
b11-9 (L+) - Body ground	Lumbar support adjuster motor signal (forward)	Lumbar support adjuster switch off	Below 1 V
		Lumbar support adjuster switch on (Forward)	11 to 14 V
b12-3 (L-) - Body ground	Lumbar support adjuster motor signal (rearward)	Lumbar support adjuster switch off	Below 1 V
		Lumbar support adjuster switch on (Rearward)	11 to 14 V
b13-4 (LFLF) - Body ground	Front power seat switch LH (lumbar support adjuster switch (forward)) signal	Lumbar support adjuster switch off	11 to 14 V
		Lumbar support adjuster switch on (Forward)	Below 1 V
b13-18 (LFLR) - Body ground	Front power seat switch LH (lumbar support adjuster switch (rearward)) signal	Lumbar support adjuster switch off	11 to 14 V
		Lumbar support adjuster switch on (Rearward)	Below 1 V
b13-9 (SLDF) - Body ground	Front power seat switch LH (slide switch (forward)) signal	Slide switch off	11 to 14 V
		Slide switch on (Forward)	Below 1 V
b13-23 (SLDR) - Body ground	Front power seat switch LH (slide switch (rearward)) signal	Slide switch off	11 to 14 V
		Slide switch on (Rearward)	Below 1 V
b13-8 (RCLF) - Body ground	Front power seat switch LH (reclining switch (forward)) signal	Reclining switch off	11 to 14 V
		Reclining switch on (Forward)	Below 1 V

TESTER CONNECTION	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
b13-22 (RCLR) - Body ground	Front power seat switch LH (reclining switch (rearward)) signal	Reclining switch off	11 to 14 V
		Reclining switch on (Rearward)	Below 1 V
b13-6 (FRVU) - Body ground	Front power seat switch LH (front vertical switch (upward)) signal	Front vertical switch off	11 to 14 V
		Front vertical switch on (Upward)	Below 1 V
b13-20 (FRVD) - Body ground	Front power seat switch LH (front vertical switch (downward)) signal	Front vertical switch off	11 to 14 V
		Front vertical switch on (Downward)	Below 1 V
b13-7 (LFTU) - Body ground	Front power seat switch LH (lifter switch (upward)) signal	Lifter switch off	11 to 14 V
		Lifter switch on (Upward)	Below 1 V
b13-21 (LFTD) - Body ground	Front power seat switch LH (lifter switch (downward)) signal	Lifter switch off	11 to 14 V
		Lifter switch on (Downward)	Below 1 V
b13-12 (SGND) - Body ground	Sensor ground	Always	Below 1 Ω
b13-10 (SSFV) - Body ground	Front vertical position signal	Front vertical function operating	4.8 to 5.1 V
b13-11 (SSRR) - Body ground	Reclining position signal	Reclining function operating	4.8 to 5.1 V
b13-25 (SSRL) - Body ground	Lifter position signal	Lifter function operating	4.8 to 5.1 V
b13-26 (SSRS) - Body ground	Slide position signal	Slide function operating	4.8 to 5.1 V

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

TESTER CONNECTION	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
b13-13 (CANP) - Body ground	CAN communication system	Ignition switch ON	Pulse generation
b13-14 (CANN) - Body ground	CAN communication system	Ignition switch ON	Pulse generation

