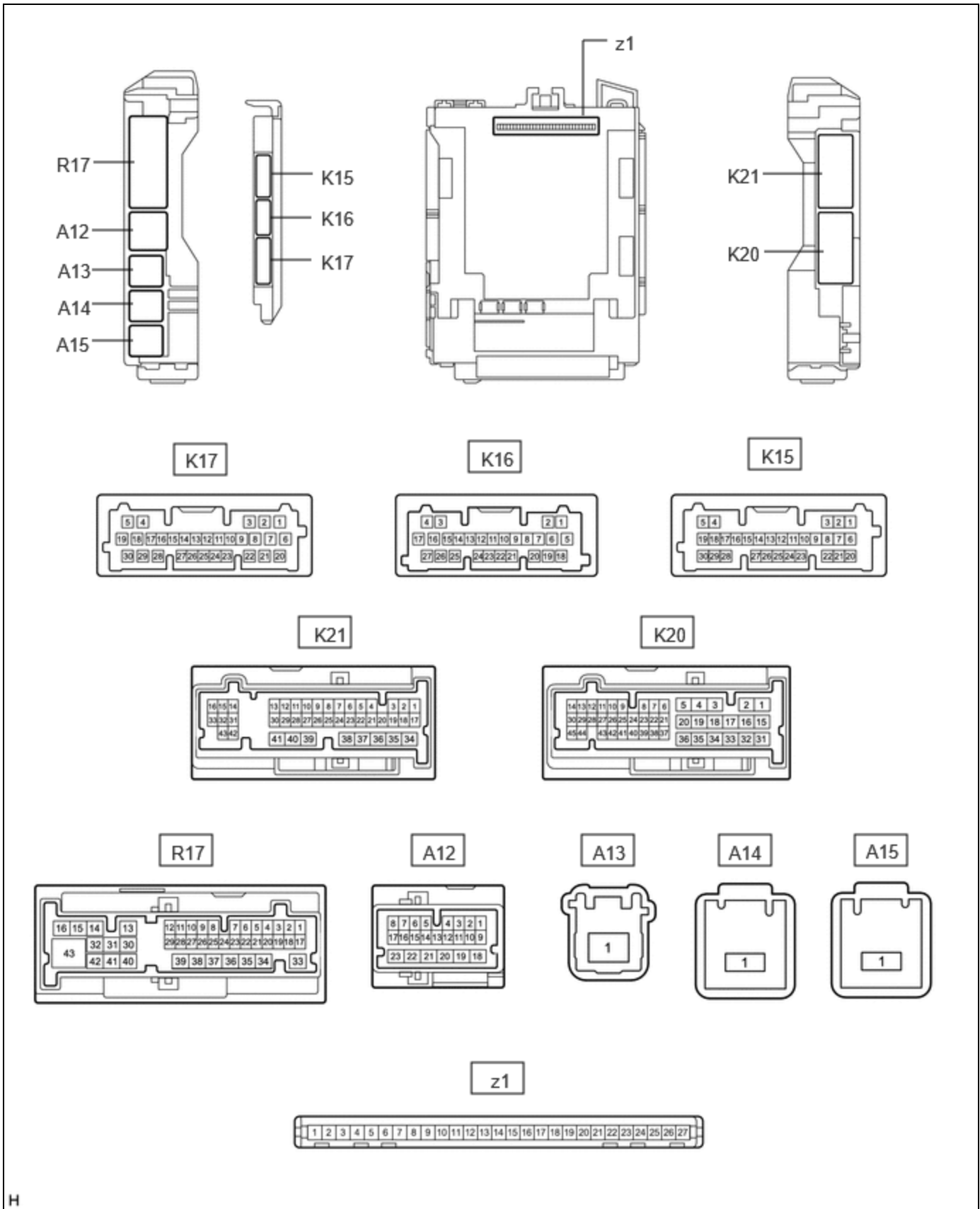


Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM1000000029A00
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: MIRROR (EXT): POWER MIRROR CONTROL SYSTEM: TERMINALS OF ECU; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

TERMINALS OF ECU

CHECK MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU) AND POWER DISTRIBUTION BOX ASSEMBLY



(a) Disconnect the power distribution box assembly and main body ECU (multiplex network body ECU) connectors.

Click here [INFO](#)

(b) Reconnect the power distribution box assembly connectors.

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

TERMINAL NO. (SYMBOL)	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
z1-13 (GND1) - Body ground	Ground	Always	Below 1 Ω
z1-14 (GND2) - Body ground	Ground	Always	Below 1 Ω
z1-26 (BECU) - Body ground	Auxiliary battery power supply	Ignition switch off	11 to 14 V
z1-27 (IGR) - Body ground	Ignition power supply (IG signal)	Ignition switch ON	11 to 14 V
		Ignition switch off	Below 1 V

(d) Install the main body ECU (multiplex network body ECU) to power distribution box assembly.

Click here [INFO](#)

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

TERMINAL NO. (SYMBOL)	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
K16-26 (RTR) - Body ground	Power retract mirror motor drive voltage (Input)	Retractable outer mirror switch on multiplex network master switch assembly (outer mirror switch) in auto retract position.	Below 1 V
		Retractable outer mirror switch on multiplex network master switch assembly (outer mirror switch) not in auto retract position.	11 to 14 V
K16-27 (RET) - Body ground	Power retract mirror motor drive voltage (Input)	Retractable outer mirror switch on multiplex network master switch assembly (outer mirror switch) in retract position.	Below 1 V
		Retractable outer mirror switch on multiplex network master switch assembly (outer mirror switch) not in retract position.	11 to 14 V
K20-2 - Body ground*	Mirror heater drive voltage (Output)	<ul style="list-style-type: none"> Ignition switch ON Rear defogger switch off 	Below 1 V
		<ul style="list-style-type: none"> Ignition switch ON Rear defogger switch on 	11 to 14 V
K21-10 - Body ground	Power retract mirror motor drive voltage (Output)	Outer rear view mirror assembly moving to driving position.	11 to 14 V
		Outer rear view mirror assembly not moving.	Below 1 V
K21-24 - Body ground	Power retract mirror motor drive voltage (Output)	Outer rear view mirror assembly moving to retract position.	11 to 14 V
		Outer rear view mirror assembly not moving.	Below 1 V

*: w/ Mirror Heater

CHECK AIR CONDITIONING AMPLIFIER ASSEMBLY

Click here [INFO](#)

AIR CONDITIONING CONTROL ASSEMBLY

Click here [INFO](#)

