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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: MIRROR (EXT): POWER MIRROR CONTROL SYSTEM: SYSTEM DESCRIPTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

SYSTEM DESCRIPTION

POWER MIRROR CONTROL SYSTEM DESCRIPTION

(a) This system has the following functions: electrical remote control mirror function, power retract mirror function, auto power retract mirror function and mirror heater function.

FUNCTION OF MAIN COMPONENT

COMPONENT		FUNCTION
Outer rear view mirror assembly LH/RH	Vertical mirror motor	Receives signals from the multiplex network master switch assembly (outer mirror switch) and adjusts the mirror surface position vertically.
	Horizontal mirror motor	Receives signals from the multiplex network master switch assembly (outer mirror switch) and adjusts the mirror surface position horizontally.
	Mirror heater	When the mirror heater switch (rear window defogger switch) on the air conditioning control assembly is operated, the air conditioning amplifier assembly detects the switch operation via LIN communication. The air conditioning amplifier assembly sends the operation signal to the main body ECU (multiplex network body ECU) via CAN communication and the main body ECU (multiplex network body ECU) turns on the MIR HTR relay to operate the mirror heater.
Outer Mirror Retractor LH/RH	Power retract mirror motor	Receives a signal from multiplex network master switch assembly (outer mirror switch), and retracts and returns the outer rear view mirror assemblies.
Multiplex network master switch assembly (outer mirror switch)	Mirror select switch	Consists of individual R and L switches. One must be selected to operate the mirror adjust switch.
	Mirror adjust switch	After selecting the R or L switch, the right, left, up and down control switches can be operated to change the angle of the mirror surface.
	Retractable outer mirror switch	Built into the multiplex network master switch assembly (outer mirror switch) and sends the retractable outer mirror switch signal to the main body ECU (multiplex network body ECU).

SYSTEM OPERATION

(a) The power mirror control system has the following features:

FUNCTION	OUTLINE
Electrical remote control mirror function	When the multiplex network master switch assembly (outer mirror switch) is operated, this function moves the mirror surface vertically or horizontally to enable the driver to attain an optimal mirror angle. Turning the mirror select switch to the R position operates the right side mirror, and turning the mirror adjust switch to the L position operates the left side mirror.
Power retract mirror function	Retracts and returns the outer rear view mirror assemblies when the retractable outer mirror switch is operated.
Auto power retract mirror	Retracts and returns each outer rear view mirror assembly together with the following operations while the retractable outer mirror switch is in auto retract position.

FUNCTION	OUTLINE
function	<ul style="list-style-type: none">• Manual lock/unlock• Key-linked lock/unlock• Wireless door lock/unlock• Wireless 60 seconds auto lock• Entry lock/unlock• Smart 60 seconds auto lock
Mirror heater function	Turns on the mirror heaters when the rear window defogger is turned on. The rear window defogger and mirror heaters automatically turn off 15 minutes after the rear window defogger and mirror heaters were activated.

