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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARK ASSIST / MONITORING: PANORAMIC VIEW MONITOR SYSTEM: DATA LIST / ACTIVE TEST; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DATA LIST / ACTIVE TEST

DATA LIST

HINT:

Using the GTS to read the Data List allows the values or states of switches, sensors, actuators and other items to be read without removing any parts. This non-intrusive inspection can be very useful because intermittent conditions or signals may be discovered before parts or wiring is disturbed. Reading the Data List information early in troubleshooting is one way to save diagnostic time.

NOTICE:

In the table below, the values listed under "Normal Condition" are reference values. Do not depend solely on these reference values when deciding whether a part is faulty or not.

(a) According to the display on the GTS, read the Data List.

Chassis > Circumference Monitoring Camera Control Module > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Total Distance Traveled	Total distance traveled	1 to 999999	Same as actual total distance traveled	For the unit, refer to "Total Distance Traveled - Unit"
Total Distance Traveled - Unit	Total distance traveled unit	km or mile	km: km mile: mile	-
Steering Angle	Steering angle	-3276.8 to 3276.7°	Steering left: Changes positively continuously Steering right: Changes negative continuously	-
VGRS System Invalid	VGRS system status	No or Yes	NO: VGRS system enabled Yes: VGRS system disabled	-
DRS Steering Angle Invalid	DRS steering angle value status	No or Yes	No: DRS system enabled Yes: DRS system disabled	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Vehicle Speed	Vehicle speed	0 to 655.35 km/h	Equivalent to actual vehicle speed	-
Vehicle Speed Signal (SP1) Invalid	Vehicle speed signal (SP1) status	No or Yes	No: Vehicle speed signal (SP1) enabled Yes: Vehicle speed signal (SP1) disabled	-
Wheel Speed Sensor Invalid	Wheel speed sensor status	No or Yes	No: Wheel speed sensor enabled Yes: Wheel speed sensor disabled	-
FR Wheel Rotatory Direction Invalid	Front wheel RH rotational direction status	No or Yes	No: Front wheel RH rotational direction enabled Yes: Front wheel RH rotational direction disabled	-
FL Wheel Rotatory Direction Invalid	Front wheel LH rotational direction status	No or Yes	No: Front wheel LH rotational direction enabled Yes: Front wheel LH rotational direction disabled	-
RR Wheel Rotatory Direction Invalid	Rear wheel RH rotational direction status	No or Yes	No: Rear wheel RH rotational direction enabled Yes: Rear wheel RH rotational direction disabled	-
RL Wheel Rotatory Direction Invalid	Rear wheel LH rotational direction status	No or Yes	No: Rear wheel LH rotational direction enabled Yes: Rear wheel LH rotational direction disabled	-
FR Wheel Speed Sensor Invalid	Front wheel RH speed sensor status	No or Yes	No: Front wheel RH speed sensor enabled	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
			Yes: Front wheel RH speed sensor disabled	
FL Wheel Speed Sensor Invalid	Front wheel LH speed sensor status	No or Yes	No: Front wheel LH speed sensor enabled Yes: Front wheel LH speed sensor disabled	-
RR Wheel Speed Sensor Invalid	Rear wheel RH speed sensor status	No or Yes	No: Rear wheel RH speed sensor enabled Yes: Rear wheel RH speed sensor disabled	-
RL Wheel Speed Sensor Invalid	Rear wheel LH speed sensor status	No or Yes	No: Rear wheel LH speed sensor enabled Yes: Rear wheel LH speed sensor disabled	-
Acceleration Sensor (Forward and Backward) Invalid	Forward and rearward G sensor status	No or Yes	No: Forward and rearward G sensor enabled Yes: Forward and rearward G sensor disabled	-
EPS Steering Angle Value	EPS Steering angle value status	-3276.8 to 3276.7°	Steering left: Changes positively continuously Steering right: Changes negative continuously	-
Target Steering Angle Value (SBW)	Target steering angle value (SBW) status	-3276.8 to 3276.7°	Steering left: Changes positively continuously Steering right: Changes negative continuously	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
ACC Terminal Voltage	ACC terminal voltage status	0 to 255	Ignition switch ACC: 11 to 14 V	-
IG Terminal Voltage	IG terminal voltage status	0 to 255	Ignition switch ON: 11 to 14 V	-
Camera Switch Signal Terminal Voltage	BLSW terminal voltage status	0 to 255	Panoramic view monitor switch off: 5.5 to 6.5 V	-
Shift Position R Signal Terminal Voltage	REV terminal voltage status	0 to 255	Shift position in R: Below 1 V Shift position not in R: 11 to 14 V	-
Electric Mirror Fold Signal Terminal Voltage	MPOS terminal voltage status	0 to 255	Power mirror retraction switch pressed: 11 to 14V	Displayed on the GTS but does not function
RCD Function Operation Status	Rear camera detection function operation status	OFF, ON, Temporarily Unavailable, Camera Dirt or Camera Malfunction	OFF: Rear camera detection function off ON: Rear camera detection function on Temporarily Unavailable: Rear camera detection function temporary unavailable Camera Dirt: Rear camera dirt Camera Malfunction: Rear camera malfunction	-
Zero Point of Steering Angle Memorized	Steering neutral point stored value that was stored when setting the steering angle	-3276.8 to 3276.7	-	-
Maximum Steering Angle (Left Rotation) Memorized	Maximum steering angle value (LH) that was stored when setting the steering angle	-3276.8 to 3276.7	-	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Maximum Steering Angle (Right Rotation) Memorized	Maximum steering angle value (RH) that was stored when setting the steering angle	-3276.8 to 3276.7	-	-
Multi Media Display Size	Show multimedia display size	Unknown, HD, FullHD	-	-
Advanced Park Control Status	Advanced park control status	Not Control, Normal Control, Temporary Halt Control or Exit Control	Not Control: Not under advanced park control Normal Control: Under advanced park control Temporary Halt Control: Under advanced park temporary suspension control Exit Control: Under advanced park termination control	-
Rear Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)	Rear camera partial obstruction (dirt/snow/raindrops)	No or Yes	No: Normal Yes: Abnormal	RoB X20B2 is output if Yes is displayed
Rear Camera Temporarily Unavailable - Camera Full Blockage (Dirt)	Rear camera obstruction (adhered dirt)	No or Yes	No: Normal Yes: Abnormal	RoB X20B2 is output if Yes is displayed
Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow)	Rear camera obstruction (adhered snow)	No or Yes	No: Normal Yes: Abnormal	RoB X20B2 is output if Yes is displayed
Rear Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)	Rear camera obstruction (adhered raindrops)	No or Yes	No: Normal Yes: Abnormal	RoB X20B2 is output if Yes is displayed
Rear Camera Temporarily Unavailable	Rear camera image status	No or Yes	No: Normal	RoB X20B2 is output if Yes is

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
- Camera Image Invalid			Yes: Abnormal	displayed
Front Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)	Front camera partial obstruction (dirt/snow/raindrops)	No or Yes	No: Normal Yes: Abnormal	RoB X20BA is output if Yes is displayed
Front Camera Temporarily Unavailable - Camera Full Blockage (Dirt)	Front camera obstruction (adhered dirt)	No or Yes	No: Normal Yes: Abnormal	RoB X20BA is output if Yes is displayed
Front Camera Temporarily Unavailable - Camera Full Blockage (Snow)	Front camera obstruction (adhered snow)	No or Yes	No: Normal Yes: Abnormal	RoB X20BA is output if Yes is displayed
Front Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)	Front camera obstruction (adhered raindrops)	No or Yes	No: Normal Yes: Abnormal	RoB X20BA is output if Yes is displayed
Front Camera Temporarily Unavailable - Camera Image Invalid	Front camera image status	No or Yes	No: Normal Yes: Abnormal	RoB X20BA is output if Yes is displayed
Side Camera (Left) Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)	Side camera LH partial obstruction (dirt/snow/raindrops)	No or Yes	No: Normal Yes: Abnormal	RoB X20BB is output if Yes is displayed
Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Dirt)	Side camera LH obstruction (adhered dirt)	No or Yes	No: Normal Yes: Abnormal	RoB X20BB is output if Yes is displayed
Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Snow)	Side camera LH obstruction (adhered snow)	No or Yes	No: Normal Yes: Abnormal	RoB X20BB is output if Yes is displayed

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Rain Drop)	Side camera LH obstruction (adhered raindrops)	No or Yes	No: Normal Yes: Abnormal	RoB X20BB is output if Yes is displayed
Side Camera (Left) Temporarily Unavailable - Camera Image Invalid	Side camera LH image status	No or Yes	No: Normal Yes: Abnormal	RoB X20BB is output if Yes is displayed
Side Camera (Left) Temporarily Unavailable - IR Projector Invalid	Side camera LH parking assist light disabled	No or Yes	No: Normal Yes: Abnormal	RoB X20BB is output if Yes is displayed
Side Camera (Right) Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)	Side camera RH partial obstruction (dirt/snow/raindrops)	No or Yes	No: Normal Yes: Abnormal	RoB X20BC is output if Yes is displayed
Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Dirt)	Side camera RH obstruction (adhered dirt)	No or Yes	No: Normal Yes: Abnormal	RoB X20BC is output if Yes is displayed
Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Snow)	Side Camera RH Temporarily Unavailable - Camera Obstruction (Snow)	No or Yes	No: Normal Yes: Abnormal	RoB X20BC is output if Yes is displayed
Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Rain Drop)	Side Camera RH Temporarily Unavailable - Camera Obstruction (Raindrops)	No or Yes	No: Normal Yes: Abnormal	RoB X20BC is output if Yes is displayed
Side Camera (Right) Temporarily Unavailable - Camera Image Invalid	Side camera RH image status	No or Yes	No: Normal Yes: Abnormal	RoB X20BC is output if Yes is displayed
Side Camera (Right) Temporarily Unavailable - IR Projector Invalid	Side camera RH parking assist light disabled	No or Yes	No: Normal Yes: Abnormal	RoB X20BC is output if Yes is displayed

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Lost Communication with Clearance Warning Module (Global-Bus)	Global bus communication of clearance warning system is lost	No or Yes	No: Normal Yes: Abnormal	-
Lost Communication with Clearance Warning Module (Local-Bus)	Local bus communication of clearance warning system is lost	No or Yes	No: Normal Yes: Abnormal	-
ECU Processing High Load	ECU process high load	No or Yes	No: Normal Yes: Abnormal	RoB X219D is output if Yes is displayed
ECU Internal Microcomputer Communication Failure	ECU internal microcomputer communication malfunction	No or Yes	No: Normal Yes: Abnormal	RoB X219D is output if Yes is displayed
Stall Registry Failure	Parking line registration failure	No or Yes	No: Normal Yes: Abnormal	RoB X219D is output if Yes is displayed
Communication Invalid between ECU and DCU	Communication between ECU and DCU disabled	No or Yes	No: Normal Yes: Abnormal	-
Shift Position Information Mismatch	Shift position information mismatch	No or Yes	No: Normal Yes: Abnormal	-

