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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 -     ]
<b>Title:</b> ADVANCED DRIVER ASSISTANCE SYSTEM: FRONT SIDE RADAR SENSOR SYSTEM: DATA LIST / ACTIVE TEST; 2023 - 2024 MY Prius Prius Prime [12/2022 -     ]		

## DATA LIST / ACTIVE TEST

### 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.

### 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.

### DATA LIST

(a) Read the Data List according to the display on the GTS.

#### Body Electrical > Front Side Radar "A" > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Total Distance Traveled	Driving distance value	0 to 16777215	-	-
Total Distance Traveled - Unit	Displays the driving distance unit	km or mile	-	-
Power Supply Voltage	Displays the supply power voltage value	0.00 to 49.95 V	-	-
DRS System	Displays whether vehicle is equipped with DRS	Without or With	Without: Not equipped with DRS With: Equipped with DRS	-
Shift Position R	Displays the shift state R ON/OFF state	OFF or ON	OFF: Shift state R ON: Shift state other than R	-
Vehicle Speed	Vehicle speed signal	-327.68 km/h (-204 mph) to 327.67 km/h (204 mph)	Approximately the same as actual vehicle speed	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Steering Angle	Steering angle sensor	-3072.0 to 3070.5 deg	Steering wheel turned left: Value increases with steering wheel operation Steering wheel turned right: Value decreases with steering wheel operation	-
Yaw Rate	Displays the yaw rate sensor value	-125.000 to 124.612 deg/s	Turning right: -125.000 to 0 deg/s Turning left: 0 to 124.612 deg/s	-
Axis Adjustment Error Code	Displays axis alignment error code	Normal or 0 to 15	Displays axis alignment error code	-
Software Write Status	Displays the status of whether software has been written	After Writing Software or Before Writing Software	After Writing Software: After software written Before Writing Software: Before software written	-
Power Steering Control Module "A" Malfunction	Displays whether there is a power steering system malfunction	No or Yes	No: Normal Yes: Malfunction detected	-
Yaw Rate Sensor Malfunction	Displays whether there is a yaw rate sensor malfunction	No or Yes	No: Normal Yes: Malfunction detected	-
Speed Sensor Malfunction	Displays whether there is a wheel speed sensor malfunction	No or Yes	No: Normal Yes: Malfunction detected	-
Front Side Radar Sensor Blockage	Displays whether the radar sensor is dirty	No or Yes	No: Normal Yes: Malfunction detected	-
Software Not Programmed	Malfunction is displayed if software has not been written	No or Yes	No: Normal Yes: Malfunction detected	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Front Side Radar Sensor Blockage Level 2	Displays whether the radar sensor is dirty	No or Yes	No: Normal Yes: Malfunction detected	-
Front Side Radar Sensor Outside Guaranteed Operating Temperature	Displays whether the radar sensor has an abnormal temperature malfunction	No or Yes	No: Normal Yes: Malfunction detected	-
Front Side Radar Sensor Outside Guaranteed Operating Voltage	Displays whether the radar sensor has an abnormal voltage malfunction	No or Yes	No: Normal Yes: Malfunction detected	-
DRS System Malfunction	Displays whether there is a DRS system malfunction	No or Yes	No: Normal Yes: Malfunction detected	-
Beam Axis Revision Angle	Displays the beam axis calibration angle	-327.68 to 327.67 deg	-	-
Beam Axis Adjustment Completion Status	Displays the status of beam axis alignment completion	Incompleted or Completed	Incompleted: Beam axis alignment not completed Completed: Beam axis alignment completed	-
Destination Information	Displays whether the destination value has been defined	Defined or Undefined	Defined: Destination information has been defined Undefined: Destination information has not been defined	-
Dealer Radar Emission Stop Mode	Displays dealer radar emission stop mode status	OFF or ON	OFF: Dealer radar emission stop mode OFF ON: Dealer radar emission stop mode ON	-

**Body Electrical > Front Side Radar "B" > Data List**

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Total Distance Traveled	Driving distance value	0 to 16777215	-	-
Total Distance Traveled - Unit	Displays the driving distance unit	km or mile	-	-
Power Supply Voltage	Displays the supply power voltage value	0.00 to 49.95 V	-	-
DRS System	Displays whether vehicle is equipped with DRS	Without or With	Without: Not equipped with DRS With: Equipped with DRS	-
Shift Position R	Displays the shift state R ON/OFF state	OFF or ON	OFF: Shift state R ON: Shift state other than R	-
Vehicle Speed	Vehicle speed signal	-327.68 km/h (-204 mph) to 327.67 km/h (204 mph)	Approximately the same as actual vehicle speed	-
Steering Angle	Steering angle sensor	-3072.0 to 3070.5 deg	Steering wheel turned left: Value increases with steering wheel operation Steering wheel turned right: Value decreases with steering wheel operation	-
Yaw Rate	Displays the yaw rate sensor value	-125.000 to 124.612 deg/s	Turning right: -125.000 to 0 deg/s Turning left: 0 to 124.612 deg/s	-
Axis Adjustment Error Code	Displays axis alignment error code	Normal or 0 to 15	Displays axis alignment error code	-
Software Write Status	Displays the status of whether software has been written	After Writing Software or Before Writing Software	After Writing Software: After software written Before Writing Software: Before software written	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Front Side Radar Sensor Blockage	Displays whether the radar sensor is dirty	No or Yes	No: Normal Yes: Malfunction detected	-
Software Not Programmed	Malfunction is displayed if software has not been written	No or Yes	No: Normal Yes: Malfunction detected	-
Front Side Radar Sensor Blockage Level 2	Displays whether the radar sensor is dirty	No or Yes	No: Normal Yes: Malfunction detected	-
Front Side Radar Sensor Outside Guaranteed Operating Temperature	Displays whether the radar sensor has an abnormal temperature malfunction	No or Yes	No: Normal Yes: Malfunction detected	-
Front Side Radar Sensor Outside Guaranteed Operating Voltage	Displays whether the radar sensor has an abnormal voltage malfunction	No or Yes	No: Normal Yes: Malfunction detected	-
Beam Axis Revision Angle	Displays the beam axis calibration angle	-327.68 to 327.67 deg	-	-
Beam Axis Adjustment Completion Status	Displays the status of beam axis alignment completion	Incompleted or Completed	Incompleted: Beam axis alignment not completed Completed: Beam axis alignment completed	-
Destination Information	Displays whether the destination value has been defined	Defined or Undefined	Defined: Destination information has been defined Undefined: Destination information has not been defined	-
Dealer Radar Emission Stop Mode	Displays dealer radar emission stop mode	OFF or ON	OFF: Dealer radar emission stop mode OFF ON: Dealer radar emission stop mode ON	-

