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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> POWER ASSIST SYSTEMS: POWER STEERING SYSTEM: DIAGNOSTIC TROUBLE CODE CHART; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		

## DIAGNOSTIC TROUBLE CODE CHART

### Power Steering System

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	RETURN-TO-NORMAL CONDITION	LINK
C05D604	Power Steering Control Module Processor System Internal Failure	ECU internal malfunction (CPU malfunction)	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C05D646	Power Steering Control Module Processor Calibration / Parameter Memory Failure	ECU internal malfunction (EEPROM error)	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C05D649	Power Steering Control Module Processor Internal Electronic Failure	ECU internal malfunction (Peripheral circuit malfunction)	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C10001C	Control Module Internal Temperature Sensor "A" Circuit Voltage Out of Range	ECU temperature sensor "A" range malfunction	EPS warning light: Comes on	EMPS	B	The ECU judges the system has returned to normal	<a href="#">INFO</a>
C123A17	Supply Voltage Circuit Circuit Voltage Above Threshold	IG voltage is 18.5 V or more	EPS warning light: Comes on	EMPS	A	The ECU judges the system has returned to normal or the ignition switch is turned on (IG) again	<a href="#">INFO</a>

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	RETURN-TO-NORMAL CONDITION	LINK
C151162	Power Steering Torque Sensor "A" Signal Compare Failure	Diagnosis Condition: IG ON Malfunction Status: The difference between 1A and 1B of the TRQ1 output signal is more than a certain value.	EPS warning light: Comes on	EMPS	A	Ignition switch ON again	<a href="#">INFO</a>
C151187	Power Steering Torque Sensor "A" Missing Message	Diagnosis Condition: IG ON Malfunction Status: When the battery voltage is 9.0 V or more, the TRQ1 signal is not detected, breaks communication protocol, has a CRC error, or has an invalid rolling counter.	EPS warning light: Comes on	EMPS	A	Ignition switch ON again	<a href="#">INFO</a>
C151262	Power Steering Torque Sensor "B" Signal Compare Failure	Diagnosis Condition: IG ON Malfunction Status: The difference between 2A and 2B of the TRQ2 output signal is more than a certain value.	EPS warning light: Comes on	EMPS	A	Ignition switch ON again	<a href="#">INFO</a>
C151287	Power Steering Torque Sensor "B" Missing Message	Diagnosis Condition: IG ON Malfunction Status: When the battery voltage is 9.0 V or more, the TRQ2 signal is not detected, breaks communication protocol, has a CRC error, or has an invalid rolling counter.	EPS warning light: Comes on	EMPS	A	Ignition switch ON again	<a href="#">INFO</a>
C151A17	Power Steering Torque Sensor "A" Supply Voltage Circuit Voltage Above Threshold	TRQV1 voltage is 5.6 V or more	EPS warning light: Comes on	EMPS	A	Ignition switch ON again	<a href="#">INFO</a>

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	RETURN-TO-NORMAL CONDITION	LINK
C151B17	Power Steering Torque Sensor "B" Supply Voltage Circuit Voltage Above Threshold	TRQV2 voltage is 5.6 V or more	EPS warning light: Comes on	EMPS	A	Ignition switch ON again	<a href="#">INFO</a>
C152A18	Power Steering Motor "A" Circuit Current Below Threshold	Motor "A" low current malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C152A19	Power Steering Motor "A" Circuit Current Above Threshold	Motor "A" overcurrent	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C152B18	Power Steering Motor "B" Circuit Current Below Threshold	Motor "B" low current malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C152B19	Power Steering Motor "B" Circuit Current Above Threshold	Motor "B" overcurrent	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C153A00	Malfunction of Power Steering Motor "A" Inverter Pre-Driver	Inverter "A" pre-driver circuit malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C153A19	Power Steering Motor "A" Inverter Circuit Current Above Threshold	Inverter "A" short circuit malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C153B00	Malfunction of Power Steering Motor "B" Inverter Pre-Driver	Inverter "B" pre-driver circuit malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C153B19	Power Steering Motor "B" Inverter	Inverter "B" short circuit malfunction	EPS warning	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	RETURN-TO-NORMAL CONDITION	LINK
	Circuit Current Above Threshold		light: Comes on				
C154A7E	Power Supply & Contrary Connection Protection Relay "A" Actuator Stuck On	Contrary connection protection relay "A" short circuit malfunction (initial check)	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C154A7F	Power Supply & Contrary Connection Protection Relay "A" Actuator Stuck Off	Contrary connection protection relay "A" open circuit malfunction (initial check)	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C154B7E	Power Supply & Contrary Connection Protection Relay "B" Actuator Stuck On	Contrary connection protection relay "B" short circuit malfunction (initial check)	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C154B7F	Power Supply & Contrary Connection Protection Relay "B" Actuator Stuck Off	Contrary connection protection relay "B" open circuit malfunction (initial check)	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C155A16	Power Steering Motor "A" Supply Voltage Circuit Voltage Below Threshold	Motor "1" PIG voltage is 3.6 V or less	EPS warning light: Comes on	EMPS	A	Ignition switch ON again	<a href="#">INFO</a>
C155A17	Power Steering Motor "A" Supply Voltage Circuit Voltage Above Threshold	Diagnosis Condition: IG ON Malfunction Status: Motor "1" PIG voltage is 19.6 V or more	EPS warning light: Comes on	EMPS	A	Ignition switch ON again	<a href="#">INFO</a>
C155B16	Power Steering Motor "B" Supply Voltage Circuit	Motor "2" PIG voltage is 3.6 V or less	EPS warning	EMPS	A	Ignition switch ON again	<a href="#">INFO</a>

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	RETURN-TO-NORMAL CONDITION	LINK
	Voltage Below Threshold		light: Comes on				
C155B17	Power Steering Motor "B" Supply Voltage Circuit Voltage Above Threshold	Diagnosis Condition: IG ON  Malfunction Status: Motor "2" PIG voltage is 19.6 V or more	EPS warning light: Comes on	EMPS	A	Ignition switch ON again	<a href="#">INFO</a>
C156A9E	Power Steering Motor "A" Shut Down Relay Stuck On	Motor "A" shut down relay malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C156A9F	Power Steering Motor "A" Shut Down Relay Stuck Off	When there is an internal malfunction in the ECU	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C156B9E	Power Steering Motor "B" Shut Down Relay Stuck On	Motor "B" shut down relay malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C156B9F	Power Steering Motor "B" Shut Down Relay Stuck Off	When there is an internal malfunction in the ECU	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C157A11	Power Steering Motor "A" Current Sensor Circuit Short to Ground	Motor "A" current sensor low voltage malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C157A62	Power Steering Motor "A" Current Sensor Signal Compare Failure	Motor "A" current sensor correlation malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C157B11	Power Steering Motor "B" Current Sensor Circuit Short to Ground	Motor "B" current sensor low voltage malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	RETURN-TO-NORMAL CONDITION	LINK
C157B62	Power Steering Motor "B" Current Sensor Signal Compare Failure	Motor "B" current sensor correlation malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C159A49	Power Steering Motor "A" Terminal Voltage Detect Circuit Internal Electronic Failure	Motor "A" terminal voltage detection circuit malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C159B49	Power Steering Motor "B" Terminal Voltage Detect Circuit Internal Electronic Failure	Motor "B" terminal voltage detection circuit malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C15D11C	Power Steering Motor Position Sensor "A" Circuit Voltage Out of Range	Rotation angle sensor "A" range malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C15D162	Power Steering Motor Position Sensor "A" Signal Compare Failure	Rotation angle sensor "A" correlation malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C15D21C	Power Steering Motor Position Sensor "B" Circuit Voltage Out of Range	Rotation angle sensor "B" range malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C15D262	Power Steering Motor Position Sensor "B" Signal Compare Failure	Rotation angle sensor "B" correlation malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
C15D31C	Power Steering Motor Position Sensor "C" Circuit Voltage Out of Range	Rotation angle sensor "C" range malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	RETURN-TO-NORMAL CONDITION	LINK
C15D362	Power Steering Motor Position Sensor "C" Signal Compare Failure	Rotation angle sensor "C" correlation malfunction	EPS warning light: Comes on	EMPS	B	Ignition switch ON again	<a href="#">INFO</a>
U012687	Lost Communication with Steering Angle Sensor Module Missing Message	Lost communication with steering sensor	EPS warning light: Does not come on	EMPS	B	After normal confirmation	<a href="#">INFO</a>
U012987	Lost Communication with Brake System Control Module Missing Message	Lost communication with No.2 skid control ECU (brake actuator assembly)	EPS warning light: Does not come on	EMPS	B	After normal confirmation	<a href="#">INFO</a>
U023A87	Lost Communication with Image Processing Module "A" Missing Message	Lost communication with forward recognition camera	EPS warning light: Does not come on	EMPS	B	After normal confirmation	<a href="#">INFO</a>
U029387	Lost Communication with Hybrid/EV Powertrain Control Module Missing Message	Lost communication with hybrid vehicle control ECU	EPS warning light: Does not come on	EMPS	B	After normal confirmation	<a href="#">INFO</a>
U111087	Lost Communication with Clearance Sonar Module	Lost communication with clearance warning ECU assembly	EPS warning light: Does not come on	EMPS	B	After normal confirmation	<a href="#">INFO</a>

