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Title: AUDIO / VIDEO: AUDIO AND VISUAL SYSTEM: DIAGNOSTIC TROUBLE CODE CHART; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

DIAGNOSTIC TROUBLE CODE CHART

Audio and Visual System

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	DTC OUTPUT FROM	PRIORITY	LINK
B153587	Image Processing Module "B" Video Signal Missing Message	Parking assist ECU video signal error (2 trip detection logic)	Navigation System	B	INFO
B154711	GNSS Antenna Circuit Short to Ground	Short in GNSS antenna assembly (2 trip detection logic)	Navigation System	A	INFO
B154713	GNSS Antenna Circuit Open	Open in GNSS antenna assembly (2 trip detection logic)	Navigation System	A	INFO
B154913	Voice Recognition Microphone2 Circuit Open	Voice recognition microphone 2 terminal (SNS2) disconnected (2 trip detection logic)	Navigation System	A	INFO
B155196	HD-RADIO Tuner Component Internal Failure	When any of the following conditions is met: (2 trip detection logic) <ul style="list-style-type: none"> "HD radio" tuner decoder malfunction "HD radio" tuner audio output malfunction RF module malfunction 	Navigation System	A	INFO
B157913	Voice Recognition Microphone1 Circuit Open	Voice recognition microphone 1 terminal (SNS) disconnected (2 trip detection logic)	Navigation System	A	INFO
B158D87	Video Signal Stoppage Missing Message	A component internal image signal communication malfunction is detected (2 trip detection logic)	Navigation System	A	INFO

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	DTC OUTPUT FROM	PRIORITY	LINK
B15A096	LAN Master Component Internal Failure	When any of the following conditions is met: (2 trip detection logic) <ul style="list-style-type: none"> • Bus malfunction • Internal power source malfunction • Internal hardware malfunction • DSP malfunction • EEPROM malfunction • Storage malfunction 	Navigation System	A	INFO
B15A387	Stereo Component Amplifier Missing Message	When 60 seconds has elapsed after turning the ignition switch to ON and the stereo component amplifier assembly cannot be detected, the stereo component amplifier assembly is judged to be disconnected after comparison with the past registered devices history. (2 trip detection logic)	Navigation System	A	INFO
B15A396	Stereo Component Amplifier Component Internal Failure	When any of the following conditions is met: (2 trip detection logic) <ul style="list-style-type: none"> • Internal power supply malfunction • Internal malfunction • DSP error • EEPROM error 	Navigation System	A	INFO
B15AD96	Navigation Processor Component Internal Failure	When any of the following conditions is met: (2 trip detection logic) <ul style="list-style-type: none"> • Gyro sensor malfunction • GNSS receiver malfunction • G sensor malfunction 	Navigation System	A	INFO
B15B396	Radio Tuner Component Internal Failure	A radio tuner internal communication malfunction is detected (2 trip detection logic)	Navigation System	A	INFO
B15B796	Bluetooth Module Component Internal Failure	A "Bluetooth" module internal malfunction is detected (2 trip detection logic)	Navigation System	A	INFO
B15BA96	XM Tuner Component Internal Failure	When any of the following conditions is met: (2 trip detection logic) <ul style="list-style-type: none"> • PLL tuning not possible 	Navigation System	A	INFO

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	DTC OUTPUT FROM	PRIORITY	LINK
		<ul style="list-style-type: none"> • CDEC communication error • SSDEC communication error • SSDEC not responding • NVM error • CAP error 			
B15C371	Speaker Output Short Actuator Stuck	<p>When any of the following conditions is met: (2 trip detection logic)</p> <ul style="list-style-type: none"> • A short is detected in the speaker output circuit • Internal direct current is detected in the AMP power IC 	Navigation System	A	INFO
B15DB87	Telematics Transceiver Missing Message	<p>When 90 seconds has elapsed after turning the ignition switch to ON and the DCM (telematics transceiver) cannot be detected, the DCM (telematics transceiver) is judged to be disconnected after comparison with the past USB connected devices information. (2 trip detection logic)</p>	Navigation System	A	INFO
B15FE11	XM Tuner Antenna Circuit Short to Ground	<p>The XM antenna is not connected. (2 trip detection logic)</p>	Navigation System	A	INFO
B15FE13	XM Tuner Antenna Circuit Open	<p>A short occurs in the XM antenna. (2 trip detection logic)</p>	Navigation System	A	INFO
B1ACA71	Front Right Speaker Cable Actuator Stuck	<p>Open in the front speaker RH circuit is detected. (1 trip detection logic)</p>	Navigation System	A	INFO
B1ACB71	Front Left Speaker Cable Actuator Stuck		Navigation System	A	INFO
B1ACC71	Rear Door Right Speaker Cable Actuator Stuck	<p>Open in the rear speaker RH circuit is detected. (1 trip detection logic)</p>	Navigation System	A	INFO
B1ACD71	Rear Door Left Speaker Cable Actuator Stuck	<p>Open in the rear speaker LH circuit is detected. (1 trip detection logic)</p>	Navigation System	A	INFO
B228231	Vehicle Speed Signal Circuit Open	<p>When the GNSS position is stable and the vehicle speed is approximately 44 km/h or more, the</p>	Navigation System	A	INFO

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	DTC OUTPUT FROM	PRIORITY	LINK
		vehicle speed pulse signal is not detected for 120 seconds or more. (2 trip detection logic)			
C162287	Rear Camera Image Signal Missing Message	When the ignition switch is ON, a malfunction is detected in the image signal of the rear television camera assembly (2 trip detection logic)	Navigation System	B	INFO
U010087	Lost Communication With ECM/PCM "A" Missing Message	Communication malfunction between radio and display receiver assembly and Engine/EV ECU for 12 seconds or more	Navigation System	B	INFO
U012987	Lost Communication With Brake System Control Module Missing Message	Communication malfunction between radio and display receiver assembly and No. 2 skid control ECU (brake actuator assembly) for 11 seconds or more (2 trip detection logic)	Navigation System	B	INFO
U014087	Lost Communication with Body Control Module Missing Message	Communication malfunction between radio and display receiver assembly and main body ECU (multiplex network body ECU) for 11 seconds or more (2 trip detection logic)	Navigation System	B	INFO
U015587	Lost Communication with Instrument Panel Cluster (IPC) Control Module Missing Message	Communication malfunction between radio and display receiver assembly and combination meter assembly for 31 seconds or more	Navigation System	B	INFO
U016487	Lost Communication with HVAC Control Module Missing Message	Communication malfunction between radio and display receiver assembly and air conditioning amplifier assembly for 10 seconds or more (2 trip detection logic)	Navigation System	B	INFO
U016887	Lost Communication with Vehicle Security Control Module Missing Message	Communication malfunction between radio and display receiver assembly and certification ECU (smart key ECU assembly) for 11 seconds or more (2 trip detection logic)	Navigation System	B	INFO

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	DTC OUTPUT FROM	PRIORITY	LINK
U019887	Lost Communication with Telematic Control Module "A" Missing Message	Communication malfunction between radio and display receiver assembly and telematics transceiver for 3 seconds or more (2 trip detection logic)	Navigation System	B	INFO
U029387	Lost Communication with Hybrid/EV Powertrain Control Module Missing Message	Communication malfunction between radio and display receiver assembly and hybrid vehicle control ECU for 11 seconds or more (2 trip detection logic)	Navigation System	B	INFO
U100049	CAN Register Fixing Internal Electronic Failure	<ul style="list-style-type: none"> • A CAN bus connection malfunction is detected • CAN bus off is detected • CAN bus connection error (2 trip detection logic)	Navigation System	B	INFO
U111087	Lost Communication with Clearance Sonar Module	Communication malfunction between radio and display receiver assembly and clearance warning ECU assembly for 11 seconds or more (2 trip detection logic)	Navigation System	B	INFO
U11D087	Lost Local Communication with MET Missing Message	Communication malfunction between radio and display receiver assembly and combination meter assembly for 30 seconds or more (2 trip detection logic)	Navigation System	A	INFO

