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Title: TRAFFIC JAM ASSIST: TRAFFIC JAM ASSIST SYSTEM: PROBLEM SYMPTOMS TABLE; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

PROBLEM SYMPTOMS TABLE

Traffic Jam Assist System

SYMPTOM	SUSPECTED AREA	LINK
"Traffic Jam Assist System Malfunction Visit Your Dealer" is displayed on the multi-information display	<p>Traffic jam assist cannot be used because a front camera system DTC or Vehicle Control History (RoB) is output.</p> <p>Refer to the Diagnostic Trouble Code Chart and Vehicle Control History (RoB) for the front camera system</p>	<p>Diagnostic Trouble Code Chart: INFO</p> <p>Vehicle Control History (RoB): INFO</p>
Traffic jam assist does not operate	<p>Check if the following operation conditions for traffic jam assist are met.</p> <ul style="list-style-type: none"> • The white lines on both sides are clear • Dynamic radar cruise control and lane tracing assist are operating • Driving in traffic congestion (a preceding vehicle exists) • The turn signal lever is not being operated • Not driving around a sharp curve • Driving near the center of the lane • Front monitoring condition of the driver is detected • Driving in traffic congestion on a main line of a highway or controlled-access road at a vehicle speed of approximately 40 km/h (25 mph) or less • User is enrolled in a navigation usage contract • Driver side door is closed • Driver seat belt is fastened • Traffic jam assist is not turned off in the customization settings • The system component functions and parts are in a normal condition • PCS is not turned off in the customization settings • Extension of the available time for restart of dynamic radar cruise control is not turned off in the customization settings • Extension of the available time for restart has not become unavailable due to a clearance sonar warning, etc. 	-

SYMPTOM	SUSPECTED AREA	LINK
	<ul style="list-style-type: none"> No obstacle or person is detected by a camera 	
<p>"Take Control of Steering Wheel" is displayed on the multi-information display (a gray steering wheel hold mark is displayed on the multi-information display)</p>	<p>Check if any of the following conditions is met while the driver is not holding the steering wheel during traffic jam assist operation.</p> <ul style="list-style-type: none"> Accelerator pedal is depressed Moved outside the available area (main line of highway or controlled-access road) The extension of the available time for restart function of dynamic radar cruise control cannot be operated The driver monitor camera system cannot confirm the forward attention of the driver <ul style="list-style-type: none"> The driver is wearing sunglasses The driver monitor camera is hidden by the steering wheel The opening and closing of the driver's eyes cannot be detected The driver monitor camera cannot detect the image correctly due to backlight, dirt, etc. Vehicle's own lane or surrounding environment corresponds to one of the following <ul style="list-style-type: none"> Lanes on both sides cannot be stably detected An obstacle or person is detected on the lane The lateral position of the vehicle in the lane has deviated from the center to the left or right 	-
<p>"Take Control of Steering Wheel Vehicle is Outside Traffic Jam Assist Boundary" is displayed on the multi-information display (an orange steering wheel hold mark is displayed on the multi-information display)</p>	<p>The traffic congestion support function ended because the vehicle moved outside the available area of traffic jam assist.</p> <p>Check that the vehicle is in an available area (main line of highway or controlled-access road).</p>	-
<p>"Take Control of Steering Wheel Assist Condition not Satisfied" is displayed on the multi-information display (an orange steering wheel hold mark is displayed on the multi-information display)</p>	<p>Traffic jam assist ended because the operation conditions for traffic jam assist are not met.</p> <p>Check if the following operation conditions for traffic jam assist are met.</p> <ul style="list-style-type: none"> The turn signal lever is not being operated Driving in traffic congestion (a preceding vehicle exists) 	-

SYMPTOM	SUSPECTED AREA	LINK
	<ul style="list-style-type: none"> • Traffic jam assist is not turned off in the customization settings • PCS is not turned off in the customization settings • Extension of the available time for restart of dynamic radar cruise control is not turned off in the customization settings • Extension of the available time for restart has not become unavailable due to a clearance sonar warning, etc. • No obstacle or person is detected by a camera 	
<p>"Take Control of Steering Wheel Unavailable at Current Speed" is displayed on the multi-information display (an orange steering wheel hold mark is displayed on the multi-information display)</p>	<p>Traffic jam assist ended due to excessive speed.</p> <p>Check that the vehicle speed is approximately 40 km/h (25 mph) or less.</p>	-
<p>"Take Control of Steering Wheel Driver Accelerator Operating" is displayed on the multi-information display (an orange steering wheel hold mark is displayed on the multi-information display)</p>	<p>Traffic jam assist ended because an accelerator operation was detected.</p> <p>Check that the accelerator is not being operated.</p>	-
<p>"Take Control of Steering Wheel Confirm Door is Closed" is displayed on the multi-information display (an orange steering wheel hold mark is displayed on the multi-information display)</p>	<p>Traffic jam assist ended because the opening of the driver side door was detected.</p> <p>Check that the driver side door is closed.</p>	-
<p>"Take Control of Steering Wheel Confirm Seatbelt is Fastened" is displayed on the multi-information display (an orange steering wheel hold mark is displayed on the multi-information display)</p>	<p>Traffic jam assist ended because the unfastening of the driver seat belt was detected.</p> <p>Check that the driver seat belt is fastened.</p>	-
<p>"Take Control of Steering Wheel Driver Inattention Detected" is displayed on the multi-information display (an orange steering wheel hold mark is displayed on the multi-information display)</p>	<p>Traffic jam assist ended because the correct driving posture could not be detected.</p> <p>Check if any of the following conditions is met.</p> <ul style="list-style-type: none"> • Cannot detect the driver's face • Driver is inattentive • Driver's eyes are closed • Driver's driving posture is improper 	-
<p>"Take Control of Steering Wheel Driver's Face Not Detected" is displayed on the multi-information display (an orange</p>	<p>Traffic jam assist ended because the driver could not be detected.</p>	<p>INFO</p>

SYMPTOM	SUSPECTED AREA	LINK
steering wheel hold mark is displayed on the multi-information display)	Refer to the "Precautions" for the driver monitor camera system	
"Take Control of Steering Wheel Due to System Malfunction" is displayed on the multi-information display (an orange steering wheel hold mark is displayed on the multi-information display)	Traffic jam assist ended because a malfunction was detected in the front camera system. Refer to the Diagnostic Trouble Code Chart and Vehicle Control History (RoB) for the front camera system	Diagnostic Trouble Code Chart: INFO Vehicle Control History (RoB): INFO
	Traffic jam assist ended because the front side radar sensor became dirty. Check that there is no dirt on the front side radar sensor.	-
"Take Control of Steering Wheel Due to Control Limitation" is displayed on the multi-information display (an orange steering wheel hold mark is displayed on the multi-information display)	Traffic jam assist ended due to a system control limit. Check if any of the following conditions is met. <ul style="list-style-type: none"> • Pre-collision system cannot operate due to the effects of a malfunction, etc. • Pre-collision system is operating • Lane departure warning is operating • Cannot turn properly out of a curve • Short lateral distance between the vehicle and nearby object (nearby vehicle or obstacle) • Lanes on both sides cannot be stably detected • The lateral position of the vehicle is deviated from the lane center to the left or right 	-
"Take Control of Steering Wheel Pay Attention to Surrounding Environment" is displayed on the multi-information display (an orange steering wheel hold mark is displayed on the multi-information display)	Traffic jam assist ended because a vehicle cutting in front of the vehicle was detected. Check safety to the front of the vehicle (a vehicle cutting in, etc.).	-
"Pay Attention to Surrounding Environment Be Prepared to Take Control When Necessary" is displayed on the multi-information display (a triangular caution mark is displayed on the multi-information display)	Traffic jam assist ended because a vehicle cutting in front of the vehicle was detected while the driver was holding the steering wheel. Check safety to the front of the vehicle (a vehicle cutting in, etc.).	-
"Take Control of the Driving Assist Unavailable" is displayed on the multi-	Traffic jam assist ended due to stopped operation of the lane tracing assist system or dynamic radar cruise	-

SYMPTOM	SUSPECTED AREA	LINK
information display (a red steering wheel hold mark is displayed on the multi-information display)	<p>control system.</p> <p>Check if the following operation conditions for the lane tracing assist system or dynamic radar cruise control system are met.</p> <ul style="list-style-type: none"> • Lane tracing assist system operation conditions <ul style="list-style-type: none"> ◦ The white lines on both sides are clear ◦ Dynamic radar cruise control is operating ◦ Lane width is approximately 3 to 4 m (118.1 to 157.5 int.) ◦ The turn signal lever is not being operated ◦ Not driving around a sharp curve ◦ No acceleration or deceleration above a certain level ◦ Steering wheel not operated with large steering force ◦ Driving near the center of the lane • Dynamic radar cruise control system operation conditions <ul style="list-style-type: none"> ◦ Shift position in D 	
"Take Control of the Driving Assist Unavailable Due to System Malfunction" is displayed on the multi-information display (a red steering wheel hold mark is displayed on the multi-information display)	<p>Traffic jam assist ended due to a malfunction in the lane tracing assist system or dynamic radar cruise control system.</p> <p>Refer to the Diagnostic Trouble Code Chart and Vehicle Control History (RoB) for the front camera system</p>	<p>Diagnostic Trouble Code Chart: INFO</p> <p>Vehicle Control History (RoB): INFO</p>
"Traffic Jam Assist unavailable Stop Assist Activated" is displayed on the multi-information display	<p>Traffic jam assist does not operate due to the emergency driving stop system operating.</p> <p>Check if the driver performed an operation such as holding the steering wheel within a certain time of the hands off steering wheel warning or alert.</p> <p>HINT: After restarting the hybrid system, traffic jam assist will be available.</p>	-
"Navigation function expired. Perform renewal procedure to continue use" is displayed on the display audio screen	<p>The navigation usage contract has expired.</p> <p>Check the validity period of the navigation usage contract.</p>	-

SYMPTOM	SUSPECTED AREA	LINK
When traffic jam assist is operating, the vehicle always deviates to the right or left or moves erratically while driving straight	Drop in tire pressure	-
	Front wheel misalignment	INFO
	Rear wheel misalignment	INFO
	Adjust forward recognition camera optical axis	INFO
	Adjust millimeter wave radar sensor beam axis	INFO
When traffic jam assist is operating, the vehicle does not operate as normal such as swaying left and right, or difficulty holding the steering wheel	<p>Check the following precautions for the front camera system in the repair manual</p> <ul style="list-style-type: none"> • How to use the system safely • Situations in which it is necessary to turn off the system • Prevention of incorrect operation and malfunction of the radar • Prevention of incorrect operation and malfunction of the forward camera • Front camera installation area on the windshield glass 	INFO

