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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARK ASSIST / MONITORING: PARKING ASSIST MONITOR SYSTEM: PRECAUTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

PRECAUTION

PRECAUTION FOR DISCONNECTING CABLE FROM NEGATIVE AUXILIARY BATTERY TERMINAL

NOTICE:

After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) auxiliary battery terminal.

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HINT:

When disconnecting and reconnecting the auxiliary battery, there is an automatic learning function that completes learning when the respective system is used.

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POINTS TO NOTE WHEN SERVICING

(a) Pay attention to the following points when servicing.

- (1) Depending on the parts that are replaced or operations that are performed during vehicle inspection or maintenance, calibration of other systems as well as the parking assist monitor system may be needed.

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HINT:

Each adjusted value for the calibration of the parking assist monitor system will be stored in the radio and display receiver assembly.

- (2) A clear image may not be displayed if there is foreign matter such as water drops, snow or mud on the television camera lens. In such a case, wash the lens with a large amount of water and then wipe it with a soft wet cloth. Do not scrub the camera lens as scrubbing may scratch the camera lens and affect the quality of the image.

NOTES FOR REAR TELEVISION CAMERA ASSEMBLY

(a) Notes for the rear television camera assembly

- (1) The parking assist monitor system may not function properly if subjected to a severe blow by any hard object.
- (2) The cover part of the camera is made of resin. If any organic solvent, degreaser, wax or glass coating contacts the cover, immediately wipe it off and wash the cover with water or cracks may develop.
- (3) Exposing the camera to a sudden temperature change may affect proper functioning of the camera.
- (4) A clear image may not be displayed if there is foreign matter such as water drops, snow or mud on the television camera lens. In such a case, wash the lens with a large amount of water and then wipe it with a soft wet cloth. Do not scrub the camera lens as scrubbing may scratch the camera lens and affect the quality of the image.
- (5) When washing the vehicle with a high-pressure washer, do not spray water on the rear television camera assembly or surrounding area. High-pressure water can damage the camera.

(b) Images may be unclear even in normal conditions if:

- (1) Electrical devices are used in the cabin (noise may occur in the image).

- (2) Accessories that generate radio waves have been installed (noise may occur in the image).
- (3) The display of radio and display receiver assembly is cold (the image immediately after turning the ignition switch to ON may be blurred or darker than normal).
- (4) The camera lens is dirty with snow, mud, etc.
- (5) A strong beam of light, such as a sunbeam or headlight, hits the camera.
- (6) It is too dark around the camera (at night, etc.).
- (7) The ambient temperature around the camera is either too high or too low.
- (8) The vehicle is tilted at a steep angle.
- (9) The rear television camera assembly lens is scratched.
- (10) The rear television camera assembly lens has drops of water on it or the humidity is high.
- (11) When the camera is used under fluorescent lights, sodium lights, mercury lights, etc., the lights and the illuminated area may appear to flicker.

PRECAUTIONS FOR USING REAR CAMERA DETECTION FUNCTION (w/ Rear Camera Detection Function)

- (a) a. The rear camera detection function may not be able to detect pedestrians correctly in the following situations:
- (1) Pedestrians who are bending forward or squatting
 - (2) Pedestrians who are laying down
 - (3) Pedestrians who are running
 - (4) Pedestrians who suddenly appear from the shadow of the vehicle or a building
 - (5) Pedestrians who are riding moving objects such as a bicycle, skateboard, etc.
 - (6) Pedestrians wearing oversized clothing such as a rain coat, long skirt, etc., making their silhouette obscure
 - (7) Pedestrians at night or whose clothing appears to be nearly the same color or brightness as their surroundings.
 - (8) Pedestrians behind an object such as a cart or luggage that hides part of their body
 - (9) At night (after sunset)
 - (10) During bad weather (rain, snow, fog, etc.)
 - (11) Damaged or dirty lens (dirt, snow-melting agent, etc.)
 - (12) Backlight (direct sunlight, sunlight reflected off the road surface, headlights of other vehicles, etc.)
 - (13) Difference in brightness (near open shutters in a garage or underground parking area)
- (b) The rear camera detection function may not perform valid detection in the following conditions:
- (1) Solid objects (pillars, pylons, fences, parked vehicles, etc.)
 - (2) Moving objects (passing vehicle, motorcycle, etc.)
 - (3) Moving objects (such as flags, exhaust gas, large drops of rain, large snowflakes, rainwater on roads, etc.)
 - (4) Patterns on roads (white lines, pedestrian crossings, stones, streetcar rails, repaired areas, fallen leaves, gravel, etc.)
 - (5) A metal cover (grating) or drainage ditch
 - (6) Shoulders and ridges
 - (7) Surrounding objects reflected off puddles or wet road surfaces
 - (8) Shadows
 - (9) When driving over an uneven surface

- (10) The vehicle is extremely tilted (loaded, suddenly braking, etc.)
 - (11) There are changes in gradient
 - (12) A lowered suspension or tire with a different diameter than a genuine tire, etc. is installed
 - (13) An extreme change in vehicle height (such as nose up, nose down, etc.)
 - (14) An aftermarket accessory (backlit license plate, fog light, etc.) is installed near the rear camera
 - (15) An aftermarket protective part is installed to the rear bumper (bumper trim, etc.)
 - (16) The axis of the camera is misaligned (due to reinstallation, collision, etc.)
 - (17) A towing hook is installed
 - (18) The camera lens is dirty (mud, snow-melting agent, etc.)
 - (19) Water drops are moving over the camera lens
 - (20) There is a flashing light source (hazard lights, etc.)
- (c) Regarding the visibility of the radio and display receiver assembly
- (1) When the temperature inside the vehicle is extremely high or extremely low, the radio and display receiver assembly may not correctly display detection.
- (d) Regarding the audibility of the buzzer sound
- (1) If the volume setting of the audio system is high, it may be difficult to hear the buzzer.

PRECAUTIONS FOR RECORDED DATA (w/ Rear Camera Detection Function)

- (a) The parking assist monitor system records data related to vehicle control and operation. Make sure to clear the data if requested by the customer.

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