SYSTEM DESCRIPTION

1. GENERAL

(a) To assist the driver with parking the vehicle by displaying an image of the area behind the vehicle, this system has a television camera mounted on the luggage compartment door. The system displays the image on the radio and navigation assembly.

(b) This system consists of the following components:
(1) Radio and navigation assembly
(2) Television camera assembly

(c) This system is equipped with a self-diagnosis system, which is operated on a dedicated window that appears on the display panel, just as in the navigation system.

2. FUNCTION OF COMPONENTS

(a) The radio and navigation assembly controls the system by using information from the following components:

Item	Function
Television Camera Assembly	• Mounted on the luggage compartment door to transmit the rear view of the vehicle to the radio and navigation assembly. • A color video camera that uses a CCD (Charge Coupled Device) and a wide-angle lens.
Radio and Navigation Assembly	• Transmits video signals, which contain an image of the area behind the vehicle taken with the television camera assembly. • Radio and navigation assembly effects control of the system by receiving the shift position signal from park/neutral position switch. • Displays the rear view monitor image on the display panel.
Park/Neutral Position Switch	Transmits a reverse shift position signal to the radio and navigation assembly.

3. OPERATION EXPLANATION

(a) The radio and navigation assembly receives the R position signal from the park / neutral position switch when the shift lever is moved to the R position. After receiving the R position signal, the radio and navigation assembly switches from the navigation system to the rear view monitor system.

4. NOTES FOR REAR VIEW MONITOR

(a) Notes for the rear view monitor.
(1) The rear view monitor may not function properly if subjected to a severe blow by any hard object.
(2) Do not "scrub" the cover part of the camera (resin made). Scrubbing it may scratch the cover and affect the image. Prevent organic solvents, waxes, bond removing solvents, or glass coating from adhering to the cover. Clean it off immediately, and wash with water.
(3) Exposing the camera to a sudden temperature change may affect proper functioning of the camera.
(4) A clear image may not appear if the camera is dirty with snow, mud, etc. In that case, wash it with water and wipe off the lens. Use a detergent to remove dirt if necessary.

(b) Images are difficult to discern even in normal conditions if:
(1) Camera screen is frosted over (the image immediately after turning the ignition switch to the on position may be blurred or darker than normal).
(2) A strong beam of light, such as a sunbeam or headlight, hits the camera.
(3) It is too dark around the camera (at night, etc.).
(4) The ambient temperature around the camera is either too high or too low.
HINT:
When a strong light, such as a sunbeam reflected off the vehicle's body, hits the camera, the image may be blurred. This is called the "SMEAR" phenomenon, peculiar to the CCD camera.