

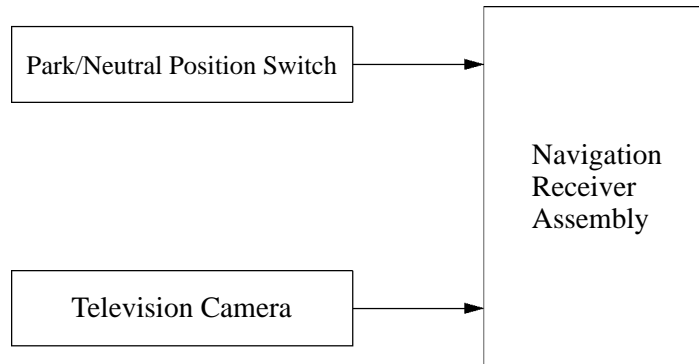
REAR VIEW MONITOR SYSTEM

■ DESCRIPTION

To assist the driver in parking the vehicle by monitoring the area behind it, the rear view monitor system has a television camera mounted on the back door. A view of the area behind the vehicle will be displayed on the navigation with AV system.

- The rear view monitor system is available as optional equipment on the models equipped with navigation with AV system.
- This system consists of the television camera and the navigation receiver assembly.

■ SYSTEM DIAGRAM



04E0BE55C

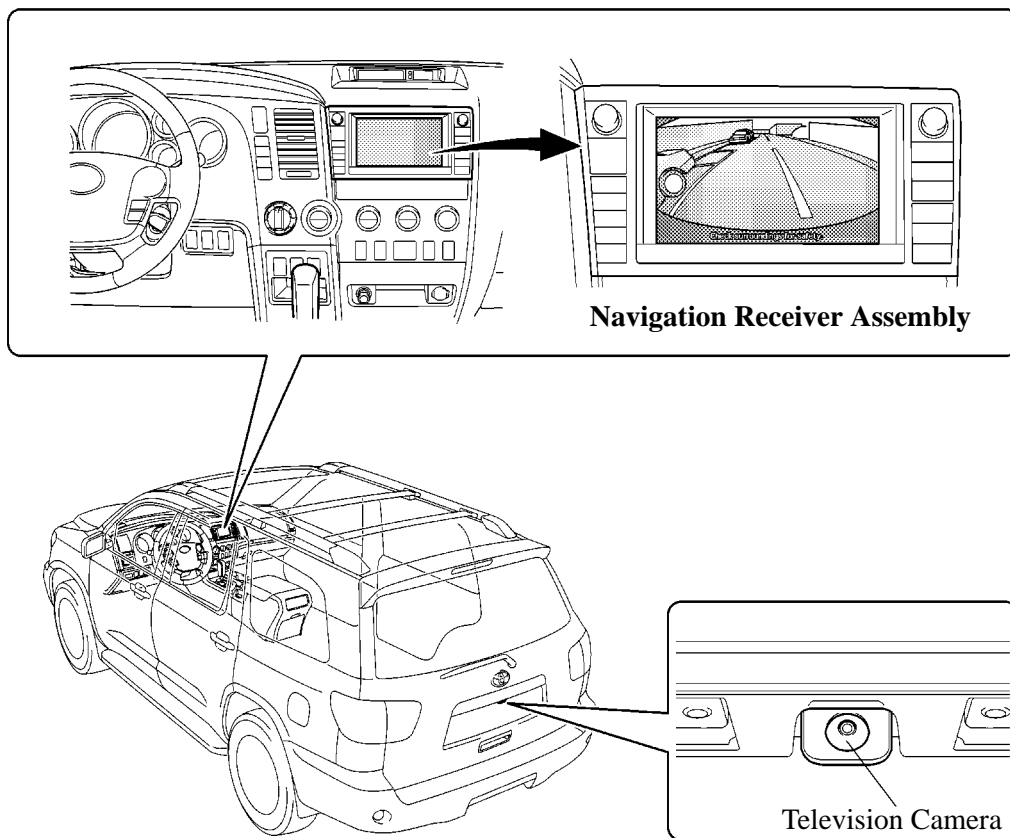
This system operates when all the conditions given below have been met.

- Ignition switch is ON.
- The shift lever is shifted to R.

If the driver moves the shift lever to a position other than R, or switches the mode on the navigation receiver assembly, the display of the area behind the vehicle will stop and change to the display of another mode.

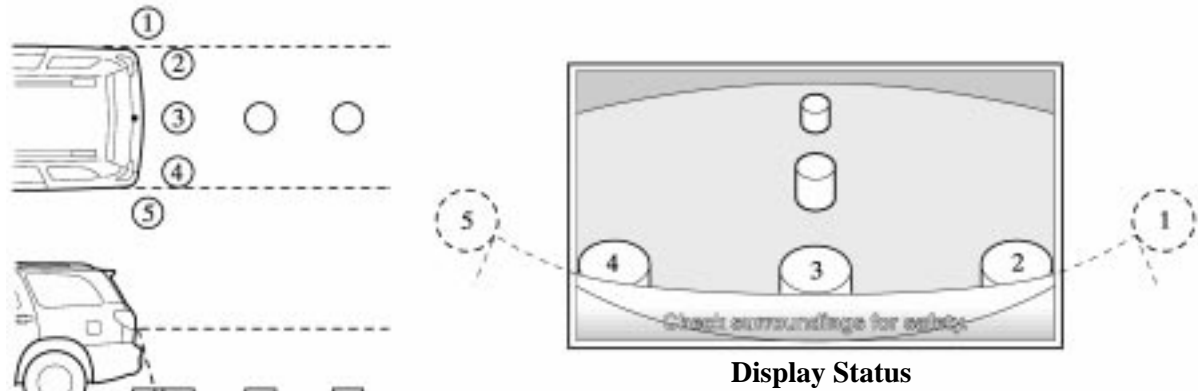
CAUTION

- Do not rely entirely on the rear view monitor system. Use caution, just as you would when backing up any vehicle.
- Never back up while looking only at the screen. The image on the screen may differ from actual conditions. If you back up while looking only at the screen, you may hit an object or have an accident. When backing up, be sure to check by looking behind and all around the vehicle, both directly and using the mirrors, before reversing.

■ LAYOUT OF MAIN COMPONENTS

■ AREA DISPLAYED ON SCREEN

- On the navigation receiver assembly, objects on the right of the vehicle appear on the right side of the display panel, and objects on the left of the vehicle appear on the left side of the display panel.
- The television camera uses a wide-angle lens. The perceived distance from images that appear on the screen differs from the actual distance.



08LBE123Y

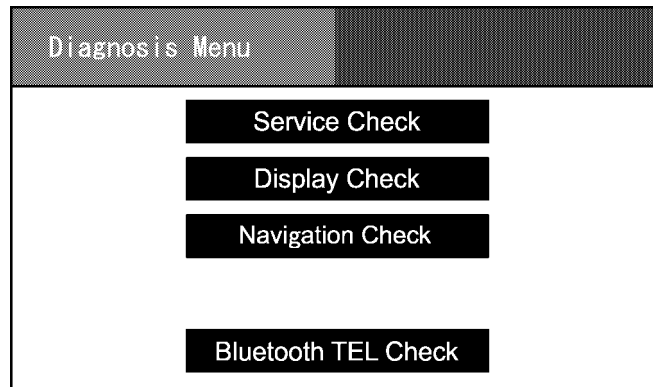
NOTE:

The area displayed on the screen may vary according to vehicle status or road conditions.

The area covered by the television camera is limited. The television camera does not show objects close to either corner of the bumper or show the area under the bumper.

■ DIAGNOSIS

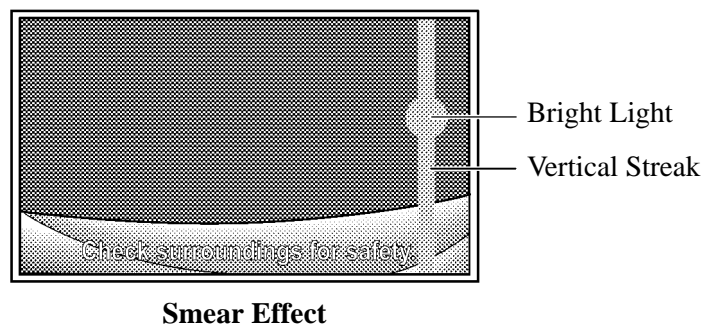
The rear view monitor system is equipped with a diagnosis function which can display the diagnosis menus. The method for entering the diagnosis menu screen is the same as the method used for the navigation receiver assembly. For details, see the 2008 Sequoia Repair Manual (Pub. No. RM08L0U).



04E0BE54C

■ PRECAUTION FOR REAR VIEW MONITOR SYSTEM OPERATION

- In the following cases, it may become difficult to see items in the image on the screen, but this does not indicate a malfunction.
 - In the dark (for example, at night)
 - When the temperature near the lens is very high or low
 - When water droplets are present on the television camera, or when humidity is high. (For example, when it rains)
 - When foreign matter (for example, mud or salt) is present on the television camera lens
 - When the sun or the beam of headlights shines directly into the television camera lens
- If a bright light (for example, sunlight reflected off the body of a vehicle) is picked up by the television camera, the smear effect*, a phenomenon experienced by a CCD camera, may occur.



241BE68

— REFERENCE —

*: *Smear effect*

A phenomenon that occurs when a bright light is received by the television camera; and transmitted to the screen, the light source will appear to have a vertical streak above and below it.