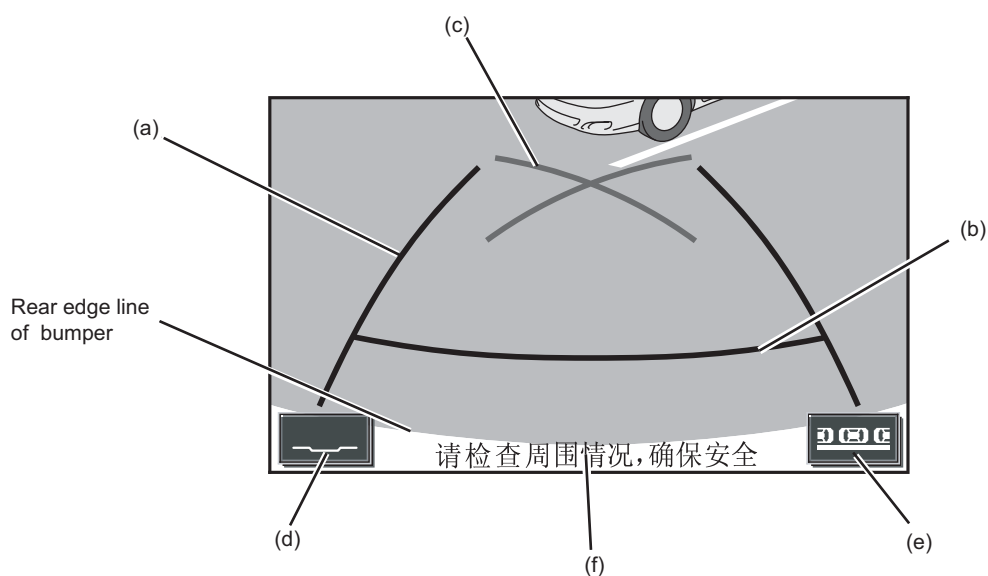


Description of Display

- This system displays in the following two modes: the manual assist mode used for parking the vehicle in a garage or parking area, and the parallel parking assist mode, which assists the driver by providing the appropriate steering angle and timing during parallel parking.
- The driver can switch the system modes by pressing the touch switch, although the display is initially set to the parallel parking assist mode at the factory. The ECU stores in its memory the mode at the time the engine switch is turned OFF. Therefore, the mode that is stored in the ECU appears when the engine switch is subsequently turned ON.

Manual Assist Mode

- When the system operates in the manual assist mode, fixed guide lines appear with the rearview of the vehicle as illustrated below. These guide lines can be used to assist the driver while the vehicle is moving backward.
- In this mode, the driver can press the changeover switch on the display to change the guide line pattern.

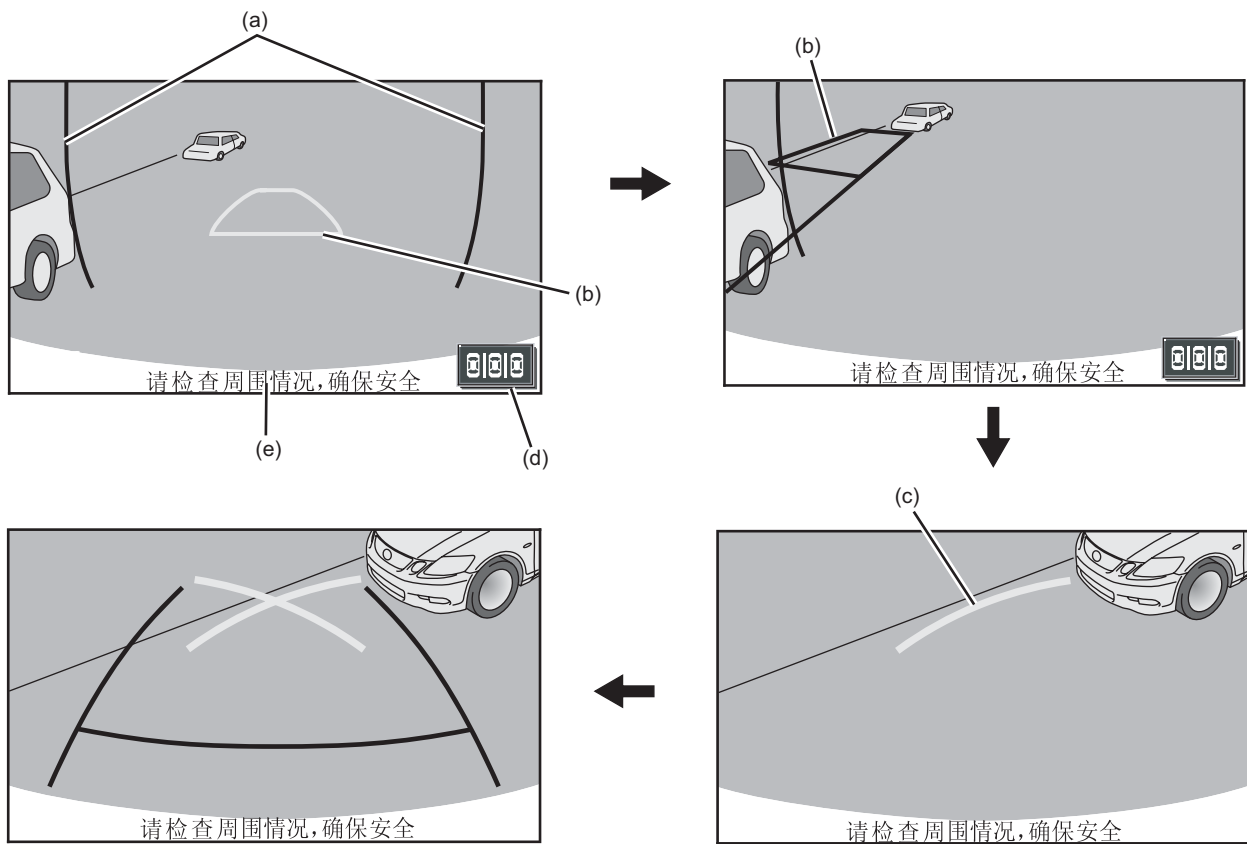


List of LEXUS parking assist monitor display screen contents

Item		Description of Display
(a)	Vehicle Width ExtensionLine	A guide line for assisting the driver's assessment of the width of the vehicle.
(b)	Distance Guide Line(Red)	A guide line that serves as a reference for the driver to assess the distance from the rear of the vehicle. {Approximately 50 cm (1.6 ft.) from rear end of bumper}
(c)	Parking Guide Line	A guide line indicating the prospective outer path of the vehicle when the steering is turned fully to the right or left end.
(d)	Changeover Switch	Three guide line patterns are available, and can be switched by pressing this switch.
(e)	Touch Switch	The system switches from the manual assist mode to the parallel parking assist mode by pressing this switch.
	Manual Mode Switch Parallel Parking Assist Mode Switch	
(f)	Warning Message Display Area	Displays a warning message.

Parallel Parking Assist Mode

- In this mode used for parallel parking, the ECU switches the display of the guide lines in accordance with the parking maneuvers of the vehicle. This provides the driver with an appropriate steering angle and timing during parallel parking.



(The same guidelines are shown as in manual assist)

List of LEXUS parking assist monitor display screen contents

Item			Description of Display
(a)	Green Vertical Line		A guide line that serves as a reference position for starting parallel parking
(b)	Green Outline		A guide line that serves as a reference position for completing the intended parking. This guide line disappears once the vehicle starts moving backward.
(c)	Parking Guide Line		A guide line indicating part of the prospective outer path of the vehicle when the steering is turned fully to the right or left end. This guide line appears only after the guide lines (a) and (b) disappear.
(d)	Touch Switch	Manual Mode Switch	The system switches from the parallel parking assist mode to the manual assist mode when this switch is pressed.
		Parallel Parking Assist Mode Switch	
(e)	Warning Message Display Area		Displays a warning message.

Warning Message

- A warning message appears at the bottom or the center of the screen under the conditions listed below, regardless of whether the system is in the manual or parallel parking assist mode.

Message appearing at the Bottom on the screen

Warning Message	Outline
请检查周围情况，确保安全	This message always appears during system operation.
系统初始化中	This message appears when the system is restarted if the television camera ECU detects that a battery terminal has been disconnected and subsequently reconnected.
导航无效	This message is displayed under the following situations: - When the vehicle is moved backward further, even though a message, 方向盘转向速度，请回转方向盘, is displayed in the center of the display and also the system judges it is impossible to perform the assist operation.* - When the television camera ECU receives the flag for disabling relative angle from VGRS ECU.* - When the steering angle sensor or the VGRS ECU is abnormal in the displaying plotted lines mode of the manual assist mode. - When the steering angle sensor, the VGRS ECU or gyro is abnormal in the parallel parking assist mode.

❖ REFERENCE ❖

- * : It is not necessary to replace the VGRS ECU.

Message appearing at the center on the screen

Warning Message	Outline
系统未准备	This message appears if the system is started without initializing after a part is replaced.
方向盘转向速度, 请回转方向盘	This message is displayed when the system cannot perform the assist operation under the following situations: · When the vehicle starts in the parallel parking assist mode, a side-to-side clearance between your vehicle and the other parked vehicles is not approximately 1 m (3.3 ft.) (too far or too close). · The steering wheel is turned too far.

Operation

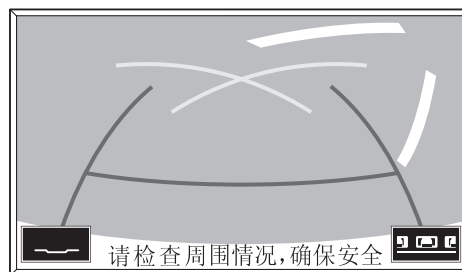
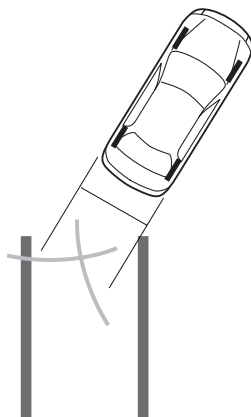
- Listed below are some examples of operating the system in the manual assist mode and parallel parking assist mode.

NOTICE

- 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 a vehicle or have an unexpected accident. When backing up, be sure to check visually behind and all around the vehicle, both directly and with mirrors, before proceeding.
- Use your own eyes to assure rearward clearance, as the displayed image may become faint or dark, and moving images will be distorted or not entirely visible when outside temperature is cold.
- Make sure to use the system with the trunk closed properly.
- Never use the system in the following conditions. Otherwise, you may hit a vehicle or have an unexpected accident.
 - When the road is slippery due to an icy road, snowy road, etc.
 - When using tire chain.

Manual Assist Mode

- To use the manual assist mode to park the vehicle in the parking space illustrated below, perform the following procedure:
- Move the shift lever to reverse.
- Verify that the manual assist mode is selected.
- An image appears on the display panel as illustrated on the right.



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