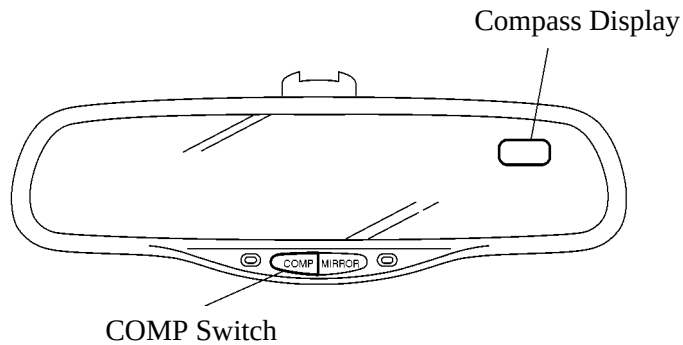


INSIDE REAR VIEW MIRROR

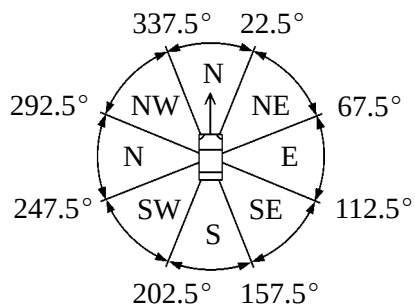
Compass Display

- Earth magnetism sensor has been built-in inside the mirror which has less influence on the magnetization of the vehicle. Thus, the accuracy has been improved.
- The compass indicates the North as 0° and the forward direction of the vehicle by 8 azimuths.
- By operating the “COMP” switch, whether or not to indicate the compass, establishment of the compass zone and calibration can be performed.



208BE47

► Compass Display ◀



186BE05

Display					
Calibration		[C]			
Azimuths		Display		Azimuths	
N	337.5° ~ 22.5°	N		S	157.5° ~ 202.5°
NE	22.5° ~ 67.5°	NE		SW	202.5° ~ 247.5°
E	67.5° ~ 112.5°	E		W	247.5° ~ 292.5°
SE	112.5° ~ 157.5°	SE		NW	292.5° ~ 337.5°

186BE06

Service Tip

As the compass system memorize the vehicle's marked magnetic field, it is necessary to do calibration for each vehicle. Once calibration has done, it is not necessary to do the calibration unless having a sudden magnetic field change. In case of occurrence of a sudden magnetic field change, “C” will be display in the compass display and it is necessary to do the calibration again.

For details, refer to 2002 LEXUS ES300 Repair Manual (Pub. No. RM911U).

■ OUTSIDE REAR VIEW MIRROR

- On the '02 ES300, “automatic glare-resistant EC (Electrochromic) mirror”, “electrical remote control type mirror”, “memory function”, and “rear window defogger-linked mirror heater” function have been used.
- The outside rear view mirror has following functions:

Function	Outline
Electrical Remote Control type Mirror	When the mirror control switch is operated, this function moves the mirror surface vertically or laterally to enable the driver to attain an optimal mirror angle. Setting the mirror master switch to the “R” position operates the right mirror, and to the “L” position operates the left mirror.
Rear Window Defogger-linked Mirror Heater	This function also automatically turns ON the mirror heater when the rear window defogger switch is turned ON. After 15 minutes have elapsed from the time this function has been activated, the rear window defogger turns OFF automatically, and the mirror heater also turns OFF.
Automatic Glare-resistant EC Mirror	This function prevents the glare of the headlights of the vehicle being driven behind that are reflected on the mirror from blinding the driver during nighttime driving. It works in unison with the inner mirror to reduce the amount of reflection. For details, refer to the Inside Rear View Mirror section.
Memory Function*	This function stores 2 mirror adjustment positions in the mirror memory ECU. Thus, the mirrors can be adjusted to the positions that are stored in the mirror memory ECU by pressing the memory switch. This function operates by linking with the driver seat position memorized in the memory seat ECU. For details, refer to the Memory System section.

*: Optional Equipment

■ MOON ROOF

- This system is optional equipment. The moon roof system has the following functions.

Function	Outline
One touch tilt up-and-down function	The “tilt one touch auto up-and-down” function enables the moon roof to be tilt up or down a touch of the tilt up switch or slide close switch.
One touch open-and-close function	The “one touch auto open-and-close” function enables the moon roof to be open or close a touch of the slide open switch or slide close switch.
Jam protection function	The “jam protection” function detects if a foreign object gets caught while the moon roof is closing (in the slide-close or tilt-down mode).

- On the '01 ES300, the moon roof position was detected by a limit switch. However, the '02 ES300 discontinued the limit switch and has adopted a new mechanism to detect the position by using a pulse sensor (Hall IC), in which the position is detected by counting the pulses output during the moon roof has traveled from specified initial position.

Service Tip

The moon roof ECU memorizes the initial position of the moon roof, therefore, the data will be lost when the battery terminal is removed, so that only manual operation is available. After connecting the battery terminal, move the moon roof once to the tilt-up full open state with a manual operation. With this, the moon roof ECU will memorize the initial position again.

For details, refer to the 2002 LEXUS ES300 Repair Manual (Pub. No. RM911U).