

CUSTOMIZE PARAMETERS

HINT:

The following items can be customized.

NOTICE:

- When the customer requests a change in a function, first make sure that the function can be customized.
- Be sure to make a note of the current settings before customizing.
- When troubleshooting a function, first make sure that the function is set to the default setting.

1. POWER TILT AND POWER TELESCOPIC STEERING COLUMN SYSTEM

HINT:

The following can be customized.

NOTICE:

- Be sure to record the current value before customizing.
- When troubleshooting, be careful, as customizing could turn off the function. (Example: If the wireless operation does not function, check that it has not been turned off by customizing.)

Tilt & Telesco

DISPLAY	DEFAULT	CONTENTS	SETTING
AUTO TILT AWAY	ON	ON/OFF of the auto away / return function	ON/OFF

2. AIR CONDITIONING SYSTEM

HINT:

The following items can be customized.

NOTICE:

- When the customer requests a change in a function, first make sure that the function can be customized.
- Be sure to make a note of the current settings before customizing.
- When troubleshooting a function, first make sure that the function is set to the default setting.

AIR CONDITIONER

DISPLAY (ITEM)	DEFAULT	CONTENTS	SETTING
SET TEMP SHIFT (Set Temperature Shift)	NORMAL	To control with the shifted temperature against the display temperature	+2 C / +1 C / NORMAL / -1 C / -2 C
AIR INLET MODE (Air Inlet Mode)	AUTO	In case of turning the A/C ON when you desire to make the compartment cool down quickly, this is the function to change the mode automatically to RECIRCULATION mode	MANUAL / AUTO
COMPRESSOR MODE (Compressor Mode)	AUTO	Function to turn the A/C ON automatically by pressing the AUTO button when the blower is ON and the A/C is OFF	MANUAL / AUTO
COMPRS / DEF OPER (Compressor / Air Inlet DEF Operation)	LINK	Function to turn the A/C ON automatically linked with the FRONT DEF button when A/C OFF	NORMAL / LINK
EVAP CTRL (Evaporator Control)	AUTO	Function to set the evaporator control to the AUTOMATIC position (AUTO) to save power, or to the coldest position (MANUAL) to dehumidify the air and to prevent the windows from fogging up	MANUAL / AUTO

DISPLAY (ITEM)	DEFAULT	CONTENTS	SETTING
GAS SENS SHIFT* (Emission Gas Sensor Shift)	NORMAL	Function to change the sensitivity of the exhaust gas sensor	MU MORE / MORE / LI MORE / NORMAL / LI LESS / LESS / MU LESS
BUTTON PRS BUZ (Button press buzzer)	ON	Function to sound a buzzer when button is pressed	OFF / ON
FOOT / DEF MODE (Foot / DEF auto mode)	ON	Function to turn the airflow from FOOT / DEF ON automatically when AUTO MODE is ON	OFF / ON
AUTO BLOW UP (Foot / DEF automatic blower up function)	ON	Function to change the blower level automatically when the defroster is ON	OFF / ON
AMBIENT TMP SFT (Ambient Temperature Shift)	NORMAL	Function to control the shifted ambient temperature in relation to the displayed ambient temperature	+3 C / +2 C / +1 C / NORMAL / -1 C / -2 C / -3 C
FOOT AIR LEAK (Foot air leak)	ON	Function to cut off the airstream felt underfoot while the vehicle is moving	OFF / ON

*: For 2GR-FSE

3. THEFT DETERRENT SYSTEM

HINT:

The following items can be customized.

NOTICE:

- **After confirming whether the items requested by the customer are applicable or not for customization, perform customizing operations.**
- **Be sure to record the current settings before customization.**
- **When troubleshooting, make sure that the item in question is not set to "OFF" as a result of customization (Example: For the system, "the wireless function does not operate", first check that the wireless function is not set to "OFF", then perform troubleshooting).**

THEFT DETERRENT SYSTEM

DISPLAY (ITEM)	DEFAULT	CONTENTS	SETTING
PASSIVE MODE (Passive Arming Mode)	OFF	PASSIVE MODE is a function that switches theft deterrent system from arming preparation state to armed state 30 seconds after key is not in the actuation area and driver side door is closed, even if doors are not locked by wireless or door key lock operation In PASSIVE MODE, if you do not perform following operations within 14 seconds after door is opened during armed state, theft deterrent system will judge that condition as a theft and switch to alarm sounding state – Unlock any door by key or wireless operation – Reconnect battery – Turn the engine switch on (IG)	ON/OFF
WARN BY HORN (Warning by horn)	ON	Function that makes vehicle horn and theft deterrent horn be able to be used as a warning device	ON/OFF
ENTRY DELAY (Entry delay time)	14 s	Function that changes entry delay time (time before warning starts) for PASSIVE MODE	0 s/14 s/30 s

4. LIGHTING SYSTEM

HINT:

The followings are the possible items to be customized.

NOTICE:

- After confirming whether the items of the customer's request is applicable or not for the customized items, perform the customize operation.
- Be sure to record the current value before customizing.
- In case of performing the troubleshooting, pay attention as there is a possibility that the function is OFF by customizing. (Example: In case of the symptom in which "The wireless operation does not function", check that the wireless operation is not OFF by customizing, then perform the troubleshooting.)

ILLUMINATED ENTRY

Display	Default	Contents	Setting
SHIFT LIGHT CTL	AVAIL	Lights up the shift illumination when the engine switch is turned on (ACC or IG).	NOT AVL / AVAIL
LIGHTING TIME	15s	Changes the lighting time of the seat illumination.	7.5 s / 15 s / 30 s
ILLUMI SYSTEM	ON	Lights up the footwell lights when one of the following occurs: the engine switch is turned on (IG), or any door is unlocked or opened.	ON / OFF
LIGHT CONTROL	ON	Dims (ON setting) or turns off (OFF setting) the footwell lights under the following conditions: A/T models: engine switch on (IG), shift lever not in P, and all doors closed. M/T models: engine switch on (IG), parking lever released, and all doors closed, or engine switch on (IG), vehicle speed above 5 km/h (3 mph), and all doors closed.	ON / OFF
I/L ON/UNLOCK	AVAIL	Lights up the seat illumination when the doors are unlocked with the transmitter.	NOT AVL / AVAIL
I/L ON/UNLOCK	AVAIL	Lights up the seat illumination when the engine switch is turned off.	NOT AVL / AVAIL
EX FOOT LIGHT	AVAIL	Lights up the door mirror foot lights when either of the following occurs: the doors are unlocked with the transmitter, or the key enters any actuation area around the doors.	NOT AVL / AVAIL
EX LIGHT TIME	15 s	Changes the lighting time of the door mirror foot lights.	15 s / 7.5 s / 30 s

LIGHT CONTROL

Display	Default	Contents	Setting
LIGHT OFF DELAY	30s	Keeps the headlights on for a certain period of time after turning the engine switch off and closing all the doors with the headlights on.	OFF / 30 s / 60 s / 90 s
SENSITIVITY	NORMAL	Adjusts the sensitivity of the automatic light control system. *1	LIGHT 2 / LIGHT 1 / NORMAL / DARK 1 / DARK 2

Display	Default	Contents	Setting
DISP EX ON SEN	NORMAL	Changes the ambient brightness level to dim the lights such as the indicator lights of the combination meter, A/C indicator light, and clock. *1	LIGHT 2 / LIGHT 1 / NORMAL / DARK 1 / DARK 2
DISP EX OFF SEN	NORMAL	Changes the ambient brightness level to brighten the dimmed lights such as the indicator lights of the combination meter, A/C indicator light, and clock. *1	LIGHT 2 / LIGHT 1 / NORMAL / DARK 1 / DARK 2

HINT:

Sensitivity adjustment can hardly be confirmed. Check by driving the customer's vehicle.

Illustration *1

Ambient Brightness Level					
Setting	DARK2	DARK1	NORMAL	LIGHT1	LIGHT2

5. WIPER AND WASHER SYSTEM**HINT:**

The following items can be customized.

NOTICE:

- When the customer requests a change in a function, first make sure that the function can be customized.
- Be sure to make a note of the current settings before customizing.
- When troubleshooting a function, first make sure that the function is set to the default setting.

Body No. 3 (Main Body ECU LH):

Display (Item)	Default	Contents	Setting
AUTO WIPER (Auto wiper)	AVAIL	Function to operate the wiper automatically when it is raining	NOT AVAIL / AVAIL
REWPER CONTROL (Rewiper control)	SPD MOD	Function to change the time between end of wiper motor operation and start of wiper operation to prevent streaking from washer fluid	OFF / 3 s / SPD MOD
SPEED MODE (Speed mode)	AVAIL	Function to change to the intermittent operation when the vehicle comes to a stop from driving condition with the wiper switch in the LO position	NOT AVAIL / AVAIL

6. POWER DOOR LOCK CONTROL SYSTEM

CUSTOMIZING FUNCTION WITH INTELLIGENT TESTER (REFERENCE)

HINT:

The following items can be customized.

NOTICE:

- Before attempting to customize vehicle settings, confirm whether it is possible to mark the change that the customer has requested.
- Be sure to record the current settings before customizing.

- **When troubleshooting, make sure that the item in question has not been disabled using the customize function.**

Body ECU

Display (Item)	Default	Contents	Setting
AUTO LOCK DELAY	30s	Function that selects AUTO LOCK time 30 sec. or 60 sec.	30s/60s
AUTO LOCK	OFF	Function that locks doors when vehicle speed reaches 20 km/h (13 mph)	ON/OFF
UNLK/KEY TWICE (Unlock w/ 2 times D key operation)	ON	<ul style="list-style-type: none"> • Function that unlocks only the driver side door when the driver side door key cylinder is turned to unlock once and unlocks all the doors when it is turned to unlock twice • In the OFF setting, turning it once unlocks all doors 	ON/OFF
ALL UNLK/OPN-CL (All unlock w/ D door open-close)	OFF	Function that unlocks all other doors when opening driver side door within 10 seconds after turning the engine switch off from on (IG)	ON/OFF
UNLOCK/PARK (Unlock w/ engine switch on (IG), shift P, speed 0 km/h (0 mph))	ON	Function that unlocks doors when the shift lever is moved to the P position from any other position while the engine switch is on (IG)	ON/OFF
AUTO LOCK/SHIFT (Auto lock/shift not P)	ON	Function that locks doors when the shift lever is moved from the P position to any other position	ON/OFF

7. WIRELESS DOOR LOCK CONTROL SYSTEM

HINT:

The following items can be customized.

NOTICE:

- **After confirming whether the items requested by the customer are applicable or not for customization, perform customizing operations.**
- **Be sure to record the current settings before customization.**
- **When troubleshooting, make sure that the item in question is not set to "OFF" as a result of customization (Example: For the system, "the wireless function does not operate", first check that the wireless function is not set to "OFF", then perform troubleshooting).**

Wireless Door Lock Control System

Item (Display)	Default	Contents	Setting
OPEN DOOR WARN (Open door warning)	ON	If a door is not completely closed and LOCK is pressed, this function sounds a buzzer for 10 seconds.	ON / OFF
WIRELESS OPER (Wireless door lock control function)	ON	This function turns the wireless door lock function on or off.	ON / OFF
ALARM FUNCTION (Panic function)	ON	This function operates the theft deterrent system when PANIC is pressed and held for 0.8 seconds.	ON / OFF

Item (Display)	Default	Contents	Setting
UNLOCK/2 OPER (Wireless unlock operated twice)	ON	This function unlocks the driver side door when UNLOCK is pressed once, and unlocks all doors when pressed twice. If set to OFF, pressing UNLOCK once unlocks all doors.	ON / OFF
TRUNK LID OPER (Wireless luggage compartment door open function setting)	0.8 s PR	This function changes operation method of transmitter to open luggage compartment door. 1 TIME: Push 1 time 2 TIMES: Push 2 times (within 3 seconds) 0.8 s PR: Push longer than 0.8 seconds OFF: Does not operate	1 TIME / 2 TIMES / 0.8 s PR / OFF
AUTO LOCK DELAY (Auto lock time)	30 s	This function controls the amount of time from unlocking doors to automatic re-locking.	30 s / 60 s
HAZARD ANS BACK (Hazard answer-back for wireless door lock operation)	ON	When LOCK is pressed, all hazard warning lights flash once. When UNLOCK is pressed, all hazard warning lights flash twice.	ON / OFF
WIRLS BUZZ RESP (Buzzer answer-back of Wireless)	ON	This function makes the wireless door lock buzzer sound for answer-back when LOCK/UNLOCK is pressed.	ON / OFF

8. CUSTOMIZING FUNCTION WITH INTELLIGENT TESTER

HINT:

The items in the table below can be customized.

NOTICE:

- When the customer requests a change in a function, first make sure that the function can be customized.
- Be sure to make a note of the current setting before customizing.
- When troubleshooting a function, first make sure that the function is set to the default setting.

HINT:

The following function's default setting is ON. Part of these functions can be customized (See page [DL-107](#)).

Smart access system with push-button start

Display (Item)	Default	Contents	Setting
PARK WAIT TIME (Waiting time to permit opening door after locking)	3.0s	Function that sets waiting time to permit opening door after door is locked with entry lock function	1.0s / 2.0s / 3.0s / 5.5s
TRUNK OPEN MODE (Luggage compartment door open mode when vehicle is locked)	ON	Function to permit opening luggage compartment door	ON / OFF
KEY LO-BATT WRN (Warn when electrical key battery becomes weak)	ON	Function that warns driver that electrical key's battery power is low (Buzzer in the combination meter, multi-information display)	ON / OFF
DOOR UNLOCK MODE (Entry door unlock mode)	D-DOOR	Function that makes entry unlock operation available	All / D-DOOR
IGNITION AREA	ALL	Function that switches the entry ignition detection area	FRONT / ALL
WARNING3	ON	Function that switches the warning for carrying the electrical key out of the vehicle when the engine switch is on (IG)	ON / OFF

9. SMART ACCESS SYSTEM WITH PUSH-BUTTON START (Entry Unlock Mode Switching Function)

- (a) To change the vehicle to entry unlock mode switching function, make sure the vehicle power is off and simultaneously press and hold the electrical key's LOCK switch and another electrical key switch for 5 seconds.

Driver door unlock default setting





When the switches are pressed and held for 5 seconds, the entry door unlock mode changes in the following order: driver door mode, one door mode, doors on one side mode, all door mode.

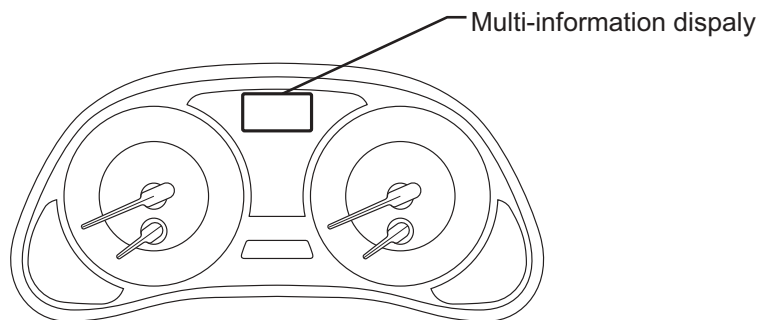
NOTICE:

After pressing and holding the switches for 5 seconds, wait 5 seconds before performing the same procedure again.

- Driver door unlock mode:
When the driver door's touch sensor is touched, only the driver door unlocks. When another touch sensor is touched, all doors unlock.
 - All door unlock mode:
When the touch sensor is touched, all doors unlock.
- (b) The certification ECU receives this signal from the entry door control receiver and changes the smart access system with push-button start to the entry unlock mode.

- (c) The certification ECU sounds the buzzers of the wireless door lock buzzer and combination meter to inform the user that the mode has been switched.

Mode	Wireless Door Lock Buzzer	Combination Meter		
		Multi-information Display		Buzzer
Driver Door (Default)	ON OFF Sounds 3 times 	 Displayed for 5 sec.	Passenger, rear LH and RH door "open" indication	Sounds once
All Doors (Customized)	ON OFF Sounds 2 times 	 Displayed for 5 sec.	All door "open" indication	Sounds once



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HINT:

The function only changes the entry unlock mode of the smart access system with push-button start. It does not switch the unlocking of the wireless door lock control.

10. SMART ACCESS SYSTEM WITH PUSH-BUTTON START (Electrical Key Cancel)

The electrical key cancel operation disables the following functions:

- Entry Ignition
- Entry Unlock / Lock
- Entry Luggage Compartment Open
- Electrical key Lock-in Prevention

IN

- Warning
 - Memory Call
- (a) The operation procedures are as follows:
- Precondition:
Engine switch off, driver side door closed and unlocked.
- (1) Unlock the driver side door once with the UNLOCK switch of the electrical key.
 - (2) Open the driver door within 5 seconds.
 - (3) Unlock the driver side door twice with the UNLOCK switch of the electrical key within 5 seconds.
 - (4) Repeat open → close twice for the driver door within 30 seconds, and open again.
(Driver door: Open → Close → Open → Close → Open)
 - (5) Unlock the driver side door twice with the UNLOCK switch of the electrical key within 5 seconds.
 - (6) Repeat open → close once for the driver door within 30 seconds, and open again.
(Driver door: Open → Close → Open)
 - (7) Close the driver door within 5 seconds.
When electrical key cancel is activated, the wireless door lock buzzer sounds once.
To return to the original condition, perform the procedures again. When the original condition is returned, the wireless door lock buzzer sounds twice.

11. METER / GAUGE SYSTEM (Combination Meter Assembly)

NOTICE:

Be sure to record the current value before customizing.

HINT:

The following items can be customized using intelligent tester.

METER:

Display (Item)	Default	Contents	Setting
KEY REMND VOLUM	LARGE	Function to change the volume of the key remind warning buzzer	LARGE, MEDIUM, SMALL
KEY REMND SOUND	NORMAL	Function to change the cycle of the key remind warning buzzer	FAST, NORMAL, SLOW
UNITS BY REGION	ML/G (*1) KM/L (*2)	Function to change the unit of the trip information display	ML/G, ML/G, KM/L

HINT:

The following items can be customized without using intelligent tester.

Item	Default	Contents	Setting
Seat belt warning buzzer (See procedure "A")	b-on	Function to change volume of key remind warning buzzer	b-on, b-oFF
Speed indicator (See procedure "B")	75 (mph) (*1) 120 (km/h) (*2)	Function to change the value that decides the speed indicator when to illuminate	30 to 100 (*1), 50 to 160 (*2)

Item	Default	Contents	Setting
Tach indicator (See procedure "B")	5,000 (rpm)	Function to change the value that decides the tach indicator when to illuminate	2,000 to 6,500

*1: U.S.A.

*2: Except U.S.A.

12. Seat Belt Buzzer ON/OFF setting (Procedure "A")

The buzzer ON/OFF setting, which is a setting of the buzzer function of the combination meter, can disable the driver side seat belt buzzer and front passenger side seat belt buzzer.

NOTICE:

- **Basically, these buzzers should be set on for safe driving. Perform these procedures only if it is necessary to set the buzzer off (disabled).**
- **When either the battery cable or the combination meter connector is disconnected, these buzzers are set on (enabled).**

HINT:

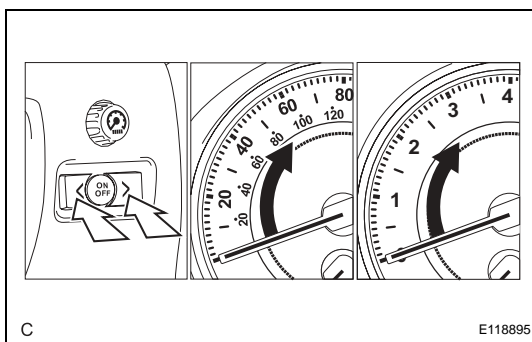
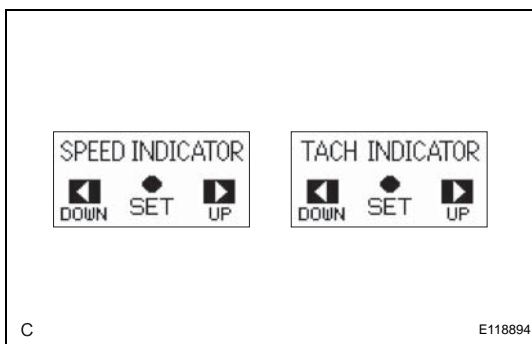
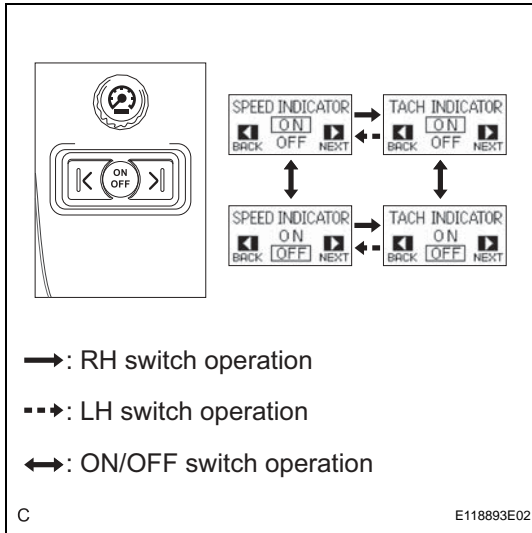
"b-oFF" indicates that the buzzer is OFF. "b-on" indicates that the buzzer is ON. The buzzer ON/OFF setting will be finished (the odometer will display "ODO" if the ODO/TRIP switch is not operated for 10 seconds or more. In this case, perform step 11 to check that the buzzer ON/OFF setting is complete. If it is not complete, start from step 1 again.

- (a) Driver side and front passenger side seat belt buzzer
 - (1) Engine switch on (IG).
 - (2) Press the ODO/TRIP switch until the odometer displays "ODO".
 - (3) Engine switch off.
 - (4) Engine switch on (IG).
 - (5) Press the ODO/TRIP switch immediately (within 6 seconds) and hold it down for 10 seconds or more.
 - (6) Continue holding down the ODO/TRIP switch and fasten the driver side seat belt.
 - (7) Check that the odometer displays either "b-on" or "b-oFF".
 - (8) Press the ODO/TRIP switch to change the display to "b-oFF".
 - (9) Engine switch off.
 - (10) Engine switch on (IG).
 - (11) Check that no buzzer sounds.
- (b) Front passenger side seat belt buzzer
 - (1) Engine switch on (IG).
 - (2) Press the ODO/TRIP switch until the odometer displays "ODO".
 - (3) Engine switch off.
 - (4) Engine switch on (IG).
 - (5) Press the ODO/TRIP switch immediately (within 6 seconds) and hold it down for 10 seconds or more.

- (6) Continue holding down the ODO/TRIP switch, fasten the front passenger side seat belt.
- (7) Check that the odometer displays either "b-on" or "b-off".
- (8) Press the ODO/TRIP switch to change the display to "b-off".
- (9) Engine switch off.
- (10) Engine switch on (IG).
- (11) Check that no buzzer sounds.

13. SPEED AND TACH INDICATOR (Procedure "B")

- (a) Select the SPEED INDICATOR or TACH INDICATOR using the satellite switch (RH, ON/OFF, or LH switch).
- (b) Turn the SPEED INDICATOR or TACH INDICATOR function off by using the ON/OFF switch.
- (c) Turn the SPEED INDICATOR or TACH INDICATOR function on again by using the ON/OFF switch.



- (d) Leave the display on for 1 second to allow it to change to the SET display.
- (e) When SET flashes, the speedometer needle moves to indicate the previously set vehicle speed and then stops.
- (f) Push the LH or RH switch within 6 seconds of the speedometer needle moving in order to allow setting of the speedometer indicator set point.
 - The speedometer needle moves by 1 degree each time the LH or RH switch is pushed.
 - Pushing and holding the switch changes values at a faster rate.
- (g) When the ON/OFF switch is pushed, the speedometer or tachometer needle stays at the setting value for 1 second, the buzzer sounds once, and the SPEED indicator illuminates only momentarily one time in yellow.

14. CLEARANCE SONAR SYSTEM

- (a) The following items can be customized:

NOTICE:

- When the customer requests a change in a function, first make sure that the function can be customized.

- Be sure to make a note of the current settings before customizing.
- When troubleshooting a function, first make sure that the function is set to the default setting.

Warning

DISPLAY (ITEM)	DEFAULT	CONTENTS	SETTING
RR BUZ RANGE (Rear buzzer onset range)	Wide	Function to set rear buzzer activation range / NARROW or WIDE	NARROW: 600 mm(23.62 in.) WIDE: 1,500 mm (59.06 in.)
KEEP SENSE BUZ (Keep sense status buzzer)	ON	Function to make buzzer sound when distance between vehicle and obstacle does not change for more than 3 seconds	ON / OFF
F & R BUZZER VOLM (Front & rear buzzer volume)	M2	Function to change volume of buzzer / L, M1, M2, M3 or H	L: Low volume M1: medium low volume M2: medium volume M3: medium high volume H: High volume

Sensor

DISPLAY (ITEM)	DEFAULT	CONTENTS	SETTING
NON -P/R RNG SEN (Non P/R range sensor)	F	Function to set available sensors when shift position is not in P or R / F, Rcrn2 or F	F, Rcrn2: Corner sensors are available F: front sensors are available

15. REAR SUNSHADE SYSTEM (REFERENCE)**HINT:**

The following items can be customized.

NOTICE:

- When the customer requests a change in a function, first make sure that the function can be customized.
- Be sure to make a note of the current settings before customizing.
- When troubleshooting a function, first make sure that the function is set to the default setting.

OTHERS

System	Default	Contents	Selection
R OUTPUT TIME	0.7 sec.	Function to change the time until operating the function linked shift R	0 / 0.7 / 0.9 / 1.2
R-SHADE REVERSE	AVAIL	NOT AVL/AVAIL of the rear sunshade reverse function.	NOT AVL / AVAIL

16. SLIDING ROOF SYSTEM

The following items can be customized.

NOTICE:

- When the customer requests a change in a function, first make sure that the function can be customized.
- Be sure to make a note of the current settings before customizing.
- When troubleshooting a function, first make sure that the function is set to the default setting.

SLIDE ROOF

Display (Item)	Default	Contents	Setting
OPEN/DOOR KEY (Door key related OPEN)	ON	Function to manually open sliding roof linked with power window if holding driver side door key for 2.5 seconds or more to unlock position when engine switch is off	ON/OFF
CLOSE/DOOR KEY (Door key related CLOSE)	ON	Function to manually close sliding roof linked with power window if holding driver side door key for 2.5 seconds or more to lock position when engine switch is off	ON/OFF
OPEN/WIRELESS (Wireless key related OPEN)	ON	Function to manually open sliding roof linked with power window if pressing transmitter UNLOCK switch for 3.4 seconds or more when engine switch is off	ON/OFF
DOOR KEY OPER (Door key related operation)	SLIDE	Function to select tilt up or slide open of manual sliding roof operation linked with power window Activate by holding driver side door key for 2.5 seconds or more to unlock position when engine switch is off	TILT/SLIDE
WIRELESS OPER (Wireless key related operation)	SLIDE	Function to select tilt up or slide open of manual sliding roof operation linked with power window Activate by pressing on transmitter UNLOCK switch for 3.4 seconds or more when engine switch is off	TILT/SLIDE

IN