

■ SYSTEM OPERATION

1. General

The ECUs that pertain to the body electrical system perform the functions and system controls described in the following chart.

Item	ECUs	Function and System Control
Instrument Panel Bus	Meter ECU	- Combination Meter Display (gauges, indicator, warning) - Fuel Gauge - Buzzer System (Key Remainder, Light Remainder, Seat Belt Warning Light, Moon Roof Open Remainder)
	A/C ECU	Air Conditioner Control
	Airbag Sensor Assembly	- SRS Airbag System Control - Seat belt Pretensioner - Seat Belt Warning System (for Front Passenger)
	Engine ECU	- Engine Control - Diagnosis
	Skid Control ECU	- ABS Control - Traction Control System - VSC System - Brake Assist System
	Center Cluster Panel	Heater Control Panel Display Control
	Passenger Side J/B ECU	- Wiper and Washer Control - Illuminated Entry System Control - Seat Belt Buckle Illumination (for Front Passenger)
Door Bus	Theft Deterrent ECU	- Door Lock System Control - Theft Deterrent System Control - Wireless Door Lock Remote Control System - Smart Key System Control - Double Locking Control
	Steering Lock ECU	- Steering Lock Control - Engine Immobiliser Control (with Smart Key System)
	Transponder Key ECU	Engine Immobiliser Control (without Smart Key System)
	Driver Door ECU	- Power Window System Control (All Door) - Outer Side Rear View Mirror Control
	Front Passenger Door ECU	Door Closer System (for Front Passenger Door)
	Rear LH Door ECU	Door Closer System (for Rear LH Door)
	Rear RH Door ECU	Door Closer System (for Rear RH Door)
	Driver Seat ECU	Power Seat Control (for Driver Seat)
	Rear LH Seat ECU	Power Seat Control (for Rear LH Seat)
	Rear RH Seat ECU	Power Seat Control (for Rear RH Seat)
	Rain Sensor	Wiper Control (AUTO Operation)
	Sliding Roof Control ECU	Sliding Roof Control
	Rear Seat Control Switch	Rear Seat Control Switch Signal

Item	ECUs	Function and System Control
Steering Column Bus	Driver Side J/B ECU	• Seat Belt Buckle Illumination (for Driver) • Rheostat Light Control System • Automatic Light Control System • Daytime Running Light System • Headlight Cleaner System • Adjustable Shoulder Belt Anchor (for Driver) • Seat Belt Warning System (for Driver)
	Luggage Room J/B ECU	• Seat Belt Buckle Illumination (for Rear Seats) • Luggage Opener and Closer System • Rear Lighting System
	Front Light ECU	• Front Lighting System • Horn
	Clearance Sonar ECU	LEXUS Park Assist System
	Combination Switch	Combination Switch Signal
	Steering Pad Switch	Steering Pad Switch Signal
	Tilt and Telescopic ECU	Tilt and Telescopic Control
—	Gateway ECU	• Multiplex Communication System • Gateway Function

2. Customized Body Electronics System

General

The customized body electronics system enables the control function settings of the ECUs to be changed through the use of a hand-held tester.

However, this system can only change the settings of the ECUs that are connected to the BEAN.

Operation

The specifications of the systems and functions that can be changed by operating a hand-held tester are listed below.

System	Content	Initial Setting			Selection
		Europe	Australia	G..C.C. Countries	
Door Lock Control System	All door's Unlock Operation (Door Key Operated Once)	ON	OFF	OFF	ON/OFF
	All door's Unlock Operation (Door Key Operated Twice)	OFF	ON	ON	ON/OFF
	One side door's Unlock Operation (Door Key Operated Twice)	OFF	OFF	OFF	ON/OFF
Outer Foot Light	Light Illumination Time	15 sec.	15 sec.	15 sec.	-/7.5/15/30 sec.

(Continued)

System	Content	Initial Setting			Selection
		Europe	Australia	G.C.C. Countries	
Wireless Door Lock Remote Control System	Wireless Operation	Permission	Permission	Permission	Permission/ Prohibition
	Wireless-linked Power Window Open Operation	ON	ON	ON	ON/OFF
	Wireless-linked Power Window Close Operation	ON	OFF	ON	ON/OFF
	Door Ajar Warning Operation	ON	ON	ON	ON/OFF
	Automatic Lock Operation	30 sec.	30 sec.	30 sec.	60/30 sec.
	Trunk Lid Open Operation	0.8 sec. Pressed Continuously	0.8 sec. Pressed Continuously	0.8 sec. Pressed Continuously	Pressed Once/0.8 sec. Pressed Continuously/Pressed Twice/Non-operation
	All door's Unlock Operation (Button Operated Once)	ON	OFF	OFF	ON/OFF
	All door's Unlock Operation (Button Operated Twice)	OFF	ON	ON	ON/OFF
	One side door's Unlock Operation (Button Operated Twice)	OFF	OFF	OFF	ON/OFF
	Panic Alert Operation	—	ON	—	ON/OFF*1
	Answer Back Operation	ON	ON	ON	ON/OFF
Theft Deterrent System	Passive Mode	OFF	OFF	OFF	ON/OFF
Power Window System	Key-linked Open Operation	ON	ON	ON	ON/OFF
	Key-linked Close Operation	ON	ON	ON	ON/OFF
LEXUS Park Assist System	Front Buzzer	OFF	OFF	OFF	ON/OFF
	Rear Buzzer	ON	ON	ON	ON/OFF
	Buzzer Volume	3	3	3	1/2/3/4/5 (Small ~ Large)
Automatic Light Control System	Delay Time of lights Illumination	0.15 sec.	—	0.15 sec.	1.0/0.15 sec.*2
	Sensitive Adjustment	0	0	0	–40/–20/0/20/40 %
	Light OFF Delay Adjustment	—	30 sec.	—	0/30/60/90 sec.*1
	Control Logic Switchover	—	—	—	—
Illuminated Entry System	Light Illumination Time	15 sec.	15 sec.	15 sec.	
	Interior lights illuminate when the doors are unlocked by the operation of the door key.	ON	ON	ON	ON/OFF
	Fade-in-out Control	ON	ON	ON	ON/OFF
	Lighting Control of the front interior light by turning the ACC OFF.	ON	ON	ON	ON/OFF
Wiper System	Vehicle Speed Switching Operation	ON	ON	ON	ON/OFF
	Vehicle Speed Sensing Drip-preventive Operation	Vehicle Speed Sensing	Vehicle Speed Sensing	Vehicle Speed Sensing	Vehicle Speed Sensing/3 sec./OFF
Reminder System	Key Reminder Buzzer Volume	Large	Large	Large	Small/Medium/Large
	Key Reminder Buzzer Sounding Interval	0.9 sec.	0.9 sec.	0.9 sec.	0.6/0.9/1.2 sec.
Moon Roof	Door Key-linked Open Operation	ON	ON	ON	ON/OFF
	Door Key-linked Close Operation	ON	ON	ON	ON/OFF
	Transmitter Operation Linked Open Operation	ON	ON	ON	ON/OFF
	Transmitter Operation Linked Close Operation	ON	—	ON	ON/OFF
	Door Key-linked Operation Selection	Slide	Slide	Slide	Slide/Tilt
	Transmitter Operation Linked Operation Selection	Slide	Slide	Slide	Slide/Tilt

*1: Only for Australia Model

*2: Except Australia Model