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Service Category: Power Source/Network		Section: Networking
Model Year: 2008	Model: LX570	Doc ID: RM000001RSY00HX
Title: NETWORKING: CAN COMMUNICATION SYSTEM: FAIL-SAFE CHART (2008 LX570)		

FAIL-SAFE CHART

1. FAIL-SAFE FUNCTION

(a) When communication fails in any of the main wires (communication lines) due to a short circuit or other causes, the fail-safe function, which is specified for each system, operates to prevent the system from malfunctioning.

(b) The table below shows the effects on each system when communication is impossible. For further details, refer to each system.

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
Airbag (ABG)	TC DTC/output service	When TC is on, DTCs (warning light turn on/turn off request signals) are output.	1. Center Airbag Sensor 2. - 3. Combination Meter	- Center Airbag Sensor - Combination Meter	-	-
	Event recorder (EDR)	Records the vehicle information during a collision (the vehicle speed, accelerator pedal opening angle, shift position, etc.).	1. Center Airbag Sensor 2. Combination Meter, ECM 3. -	- Center Airbag Sensor - Combination Meter - ECM	-	-
	SRS warning light control	Turns the SRS warning light on/off.	1. Combination Meter 2. Center Airbag Sensor 3. -	- Center Airbag Sensor - Combination Meter	The SRS warning light turns on.	-
	Information output function (Refer to related system for control description details)	The collision detection signal stops the fuel pump during a collision.	1. ECM 2. Center Airbag Sensor 3. -	- ECM - Center Airbag Sensor	-	-
		The driver/passenger seat buckle switch stops PSB control when the seat belt is not fastened. HINT: The passenger seat information is only output for vehicles in the U.S.A.	1. Seat Belt Control ECU, Combination Meter 2. Center Airbag Sensor 3. -	Seat Belt Control ECU	-	-
		The passenger seat occupant detection signal turns on the seat belt warning light when the seat belt is not fastened. HINT: The passenger seat information is only output for vehicles in the U.S.A.	1. Combination Meter 2. Center Airbag Sensor 3. -	Combination Meter	-	-
Brake (VSC)	Warning light control	BRL, ABS, VSC-OFF, SLIP and CRAWL light control (turn on/off, blink, DTC output).	1. Master Cylinder Solenoid (Skid Control ECU) 2. -	Combination Meter	-	-

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			3. Combination Meter			
	ABS control	ABS control according to the G sensor signal.	1. Master Cylinder Solenoid (Skid Control ECU) 2. Yaw Rate Sensor 3. Master Cylinder Solenoid (Skid Control ECU)	Yaw Rate Sensor	The ABS does not operate.	ABS warning light turns on.
	TRC control CRAWL control	Brake control and engine torque control during acceleration slip.	1. Master Cylinder Solenoid (Skid Control ECU) 2. ECM, 4WD Control ECU 3. Master Cylinder Solenoid (Skid Control ECU)	- ECM 4WD Control ECU	TRC does not operate.	VSC OFF indicator light turns on. CRAWL indicator light turns on.
	VSC control	VSC control according to the yaw rate and steering angle sensor signal.	1. Master Cylinder Solenoid (Skid Control ECU) 2. ECM, 4WD Control ECU, Steering Angle Sensor, Yaw Rate Sensor, Steering Control ECU 3. Master Cylinder Solenoid (Skid Control ECU)	- ECM - Steering Angle Sensor - Yaw Rate Sensor - Steering Control ECU 4WD Control ECU	VSC does not operate.	ABS warning and VSC OFF indicator lights turn on.
	ACC control	The brake control according to the request from the distance control ECU via the ECM.	1. Master Cylinder Solenoid (Skid Control ECU) 2. ECM 3. Master Cylinder Solenoid (Skid Control ECU)	ECM	ACC does not operate.	VSC OFF indicator light turns on.
Dynamic Radar Cruise Control (ACC)	ACC	Acceleration/deceleration control when following the vehicle in front.	1. - 2. ECM 3. ECM 1. -	ECM Steering Angle Sensor	ACC control is canceled.	"Check Cruise System" is displayed on the multi-

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			2. Steering Angle Sensor 3. -			information display. • The master warning light turns on and the warning buzzer sounds.
			1. - 2. Yaw Rate Sensor 3. -	Yaw Rate Sensor		
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. Master Cylinder Solenoid (Skid Control ECU)	Master Cylinder Solenoid (Skid Control ECU)	-	-
			1. Distance Control ECU 2. - 3. -	-	-	-
			1. - 2. Steering Control ECU 3. -	Steering Control ECU	-	-
			1. - 2. Combination Meter 3. -	Combination Meter	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	-	-
Dynamic Radar Cruise Control (ACC)	PSC	Seat belt and brake control immediately before a collision.	1. - 2. ECM 3. -	ECM	Radar linked PCS control stops.	"Check Cruise System" is displayed on the multi-information display. - The master warning light turns on and the warning buzzer sounds.
			1. - 2. Steering Angle Sensor 3. -	Steering Angle Sensor		
			1. - 2. Yaw Rate Sensor 3. -	Yaw Rate Sensor		
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	PCS control stops.	
			1. Distance Control ECU	-	-	-

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			2. - 3. -			
			1. - 2. Steering Control ECU 3. -	Steering Control ECU	-	-
			1. - 2. - 3. Seat Belt Control ECU	Seat Belt Control ECU	-	-
Tire Pressure Monitor Sensor (TPM)	TPMS control	System that informs the user of low air pressure and current pressure values based on the pressure data values from the transmitters installed inside the tires.	1. - 2. Combination Meter 3. -	Combination Meter	When the pressure signal is not received from the transmitter and the CAN signal communication stops at the same time, the request to display the indicator and multi-display warning is sent to the meter by the tire pressure warning ECU.	- Tire pressure warning light turns on. - TPMS malfunction display is displayed on the multi-information display.
			1. - 2. ECM 3. -	ECM	-	-
			1. Tire Pressure Warning ECU 2. - 3. -	-	-	-
Tilt and Telescopic (TAT)	Microcomputer preset steering	Automatically begins the steering auto away/auto return when the engine switch is turned on (IG) or off.	1. Multiplex Tilt and Telescopic ECU 2. Position Control ECU and Switch, Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus), Combination Meter 3. Multiplex Tilt and Telescopic ECU	Main Body ECU (Cowl Side Junction Block LH)	The power tilt and power telescopic steering column system does not operate.	-
				Position Control ECU and Switch	Memory restore control does not operate.	-
				Combination Meter	Auto return/auto away control does not operate.	-
Mechanical 4WD (FWM)	Switching control between High and Low	Switching between High and Low is prohibited during the following conditions: 1) When there is a vehicle speed violation, engine speed violation, or large difference in wheel speeds, 2) when the shift lever is not in N, or	1. 4WD Control ECU 2. - 3. -	-	-	-
			1. - 2. ECM, Master Cylinder Solenoid (Skid	- ECM - Master Cylinder Solenoid (Skid	Switching between High and Low is prohibited. HINT: When there is a wheel speed malfunction,	Center differential lock indicator light blinks (at 0.2 sec. intervals) or 4LO indicator light blinks (at 0.2 sec. intervals) or center

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
		3) when the clutch is not on.	Control ECU) 3. -	Control ECU)	function No. 7 is controlled to determine if switching between High and Low can be performed.	differential lock and 4LO indicator lights blink (at 0.2 sec. intervals).
	Neutral switching control	Switching to neutral is prohibited during the following conditions: 1) When there is a vehicle speed violation or engine speed violation, or 2) when the shift lever is not in N or the clutch is not on.	1. 4WD Control ECU 2. - 3. -	-	-	-
			1. - 2. ECM, Master Cylinder Solenoid (Skid Control ECU) 3. -	• ECM • Master Cylinder Solenoid (Skid Control ECU)	Switching to neutral is prohibited.	4LO indicator light blinks (at 0.2 sec. intervals) or center differential lock and 4LO indicator lights blink (at 0.2 sec. intervals).
	Center differential lock switching control (between Free and Lock)	Center differential lock switching is prohibited when there is a vehicle speed violation or large difference in wheel speeds.	1. 4WD Control ECU 2. - 3. -	-	-	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	Center differential lock switching is prohibited. HINT: When there is a wheel speed malfunction, function No. 7 is controlled to determine if center differential lock switching can be performed.	Center differential lock indicator light blinks (at 0.2 sec. intervals) or center differential lock and 4LO indicator lights blink (at 0.2 sec. intervals).
Mechanical 4WD (FWM)	Rear differential lock switching control (between Rr Free and Rr Lock)	Rear differential lock switching is prohibited when there is a vehicle speed violation.	1. 4WD Control ECU 2. - 3. -	-	-	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	Rear differential lock switching is prohibited. HINT: When there is a wheel speed malfunction, function No. 7 is controlled to determine if rear differential lock switching can be performed.	Center differential lock indicator light blinks (at 0.2 sec. intervals) or center differential lock and 4LO indicator lights blink (at 0.2 sec. intervals).
	L4F switching control	Switching to L4F is prohibited and the operation is performed with L4L when VSC is malfunctioning.	1. 4WD Control ECU 2. - 3. -	-	-	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	L4F switching is prohibited and the operation is performed with L4L.	No user notification.
	Specialized control when temperature is low	Changes the ACT conductive current value according to the temperature (low temperature use or	1. 4WD Control ECU 2. - 3. -	-	-	-

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		normal temperature use).	1. - 2. Air Conditioning Amplifier, ECM 3. -	- Air Conditioning Amplifier - ECM	Changes the temperature used for the calculation of ACT temperature adjustment control.	No user notification.
Mechanical 4WD (FWM)	Specialized control during wheel speed failure	When there is a wheel speed failure, switching is permitted only when specified conditions are met (the wheel speed malfunction is 1 wheel or more and 3 wheels or less, the brake is applied, the engine speed is low, and all normal wheel speeds are low).	1. 4WD Control ECU 2. - 3. -	-	-	-
			1. - 2. ECM, Master Cylinder Solenoid (Skid Control ECU) 3. -	- ECM - Master Cylinder Solenoid (Skid Control ECU)	If the wheel speed malfunction is 1 wheel or more and 3 wheels or less, only when the wheel speed failure specified conditions are met, switching is permitted. When 4 wheels are malfunctioning, switching is prohibited (the wheel speed failure specialized control does not operate).	Center differential lock indicator light blinks (at 0.2 sec. intervals) or center differential lock and 4LO indicator lights blink (at 0.2 sec. intervals).
Mechanical 4WD (FWM)	Indicator and buzzer signal output	Signal output of the indicator and buzzer condition that indicates the actuator position and switching status.	1. 4WD Control ECU 2. - 3. -	-	-	-
	High-Low actuator failure signal output	When the High-Low actuator limit switch is malfunctioning, a signal is output.	1. 4WD Control ECU 2. - 3. -	-	-	-
	C/C cancel signal output	Outputs a cruise control cancel signal when center differential switching is not completed even though 5 sec. or more have elapsed from the start of switching.	1. 4WD Control ECU 2. - 3. -	-	-	-
	L4 status signal condition output	A signal is output when switching between the L4F and L4L position is completed.	1. 4WD Control ECU 2. - 3. -	-	-	-
	C/D lock condition signal output	CDL switch condition is output.	1. 4WD Control ECU 2. - 3. -	-	-	-
	R/D lock condition signal output	R switch condition is output.	1. 4WD Control ECU 2. - 3. -	-	-	-
	T/F N condition signal output	NP switch condition is output.	1. 4WD Control ECU 2. - 3. -	-	-	-
Gasoline Engine	Engine control system	Adjusts the fuel injection volume according to each sensor value and controls the engine.	1. ECM 2. - 3. -	-	-	-
	ECT control system	Changes the ECT shift position based on the vehicle speed and torque.	1. ECM 2. - 3. -	-	-	-

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	Cruise control system	Maintains a constant vehicle speed and drives the vehicle.	1. ECM 2. - 3. -	-	-	-
Power Back Door (BKD)	Power back door operation conditions	Prohibits the power back door operation according to the vehicle state (the engine switch, shift position, vehicle speed, and lock position).	1. Power Back Door Unit (Power Back Door ECU) 2. - 3. Power Back Door Unit (Power Back Door ECU)	-	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus), Combination Meter, ECM 3. -	- ECM - Main Body ECU (Cowl Side Junction Block LH) - Combination Meter	The power back door system does not operate (when the start signal is received, the buzzer sounds a warning that the conditions are not met).	-
	Power back door operation requests	Receives the power back door close/open operation trigger from the operation switch or wireless switch and begins the power back door operation.	1. Power Back Door Unit (Power Back Door ECU) 2. - 3. Power Back Door Unit (Power Back Door ECU)	-	-	-
			1. - 2. Main body ECU (Cowl Side Junction Block LH) (MS Bus), Certification ECU (Smart Key ECU) 3. -	- Main Body ECU (Cowl Side Junction Block LH) - Certification ECU (Smart Key ECU)	The power back door system does not operate.	
	Power back door operation status output	Sends the hazard illumination request when the power back door operation begins and back door unlock request.	1. Power Back Door Unit (Power Back Door ECU) 2. Main Body ECU (Cowl Side Junction Block LH) 3. -	Main Body ECU (Cowl Side Junction Block LH)	When the back door operation begins, the hazard warning lights may not illuminate.	-
			1. - 2. - 3. Main Body ECU (Cowl Side Junction Block LH) (MS Bus)	Main Body ECU (Cowl Side Junction Block LH)	-	-

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	DTC transmission/reception	Performs the power back door customization, malfunction detection, Active Test, etc.	1. Power Back Door Unit (Power Back Door ECU) 2. - 3. Power Back Door Unit (Power Back Door ECU)	-	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	DTC function does not operate.	-
Active Height Control Suspension (4-WHEEL AHC)	Damping force control	Based on the information from the ECM, master cylinder solenoid (skid control ECU), steering control ECU, and steering angle sensor, detects the driving conditions, road surface conditions, etc. and changes the damping force of the shock absorbers.	1. Suspension Control ECU 2. - 3. Suspension Control ECU	-	-	-
			1. - 2. ECM 3. -	ECM	Damping force control is prohibited.	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)		-
			1. - 2. Steering Angle Sensor 3. -	Steering Angle Sensor		-
			1. - 2. Steering Control ECU 3. -	Steering Control ECU		-
Active Height Control Suspension (4-WHEEL AHC)	Spring switching control is prohibited	Based on the information from the master cylinder solenoid (skid control ECU), steering control ECU, yaw rate sensor and steering angle sensor, detects the driving conditions, road surface conditions, etc. and changes the front spring constant value (ON/OFF).	1. Suspension Control ECU 2. - 3. Suspension Control ECU	-	-	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	Spring switching control is prohibited.	"Check 4-WHEEL AHC System" illuminates.
			1. - 2. Steering Angle Sensor 3. -	Steering Angle Sensor		
			1. - 2. Steering Control ECU	Steering Control ECU		

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			3. -			
			1. - 2. Yaw Rate Sensor 3. -	Yaw Rate Sensor		
Active Height Control Suspension (4-WHEEL AHC)	Vehicle height control	Based on the information from the ECM, master cylinder solenoid (skid control ECU), steering control ECU, 4WD, main body ECU (cowl side junction block LH), and steering angle sensor, detects the driving conditions, road surface conditions, etc. and restricts vehicle height changes.	1. Suspension Control ECU 2. - 3. Suspension Control ECU	-	-	-
			1. Suspension Control ECU 2. ECM 3. Suspension Control ECU	ECM	Vehicle height control is prohibited.	-
			1. - 2. ECM 3. -	ECT	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH) (V Bus)	Vehicle height control is prohibited.	-
			1. - 2. 4WD Control ECU 3. -	4WD Control ECU	-	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	Vehicle height control is prohibited.	"Check 4-WHEEL AHC System" illuminates.
			1. - 2. Steering Angle Sensor 3. -	Steering Angle Sensor		
			1. - 2. Steering Control ECU 3. -	Steering Control ECU		
			1. - 2. Yaw Rate Sensor 3. -	Yaw Rate Sensor		
Air Conditioner (ACN)	Air conditioning system	- Air conditioning vent temperature control according to the engine coolant temperature information. - Air conditioning	1. Air Conditioning Amplifier 2. ECM 3. -	None	Coolant information: Control is performed by using the default value (80°C (176°F)). Engine type: The condition is maintained (when unconfirmed, control is performed by using the default (507F)).	-

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		vent switching control according to the engine coolant temperature information. - Air conditioning vent airflow amount control according to the engine coolant temperature information. - Compensation of the engine coolant temperature information according to the engine type. - Compressor lock judgment value switching according to the engine type.				
		Compressor lock judgment by NE.	1. Air Conditioning Amplifier 2. ECM 3. -	None	NE: Control is performed by using the default value (0 km/h (0 mph)).	-
Air Conditioner (ACN)	Air conditioning system	The electric load control condition is limited according to the load control level.	1. Air Conditioning Amplifier 2. ECM 3. -	None	Load control: No load control (normal control).	-
		- Activation control according to the viscous heater activation permission information. - Activation control according to the PTC heater activation permission information.	1. Air Conditioning Amplifier 2. ECM 3. -	None	Permission information: Control is performed according to the operation prohibition state.	-
		Air conditioning system operation status control and panel switch IND output control according to panel switch operation information.	1. Air Conditioning Amplifier 2. Display and Navigation Module Display (w/ Navigation System), Multi-Display (w/o)	- Display and Navigation Module Display (w/ Navigation System) - Multi-Display (w/o Navigation System)	None (Air conditioning system operation condition switching is not possible).	-

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		Exhaust gas automatic air presence judgment and circulation control switching according to exhaust gas automatic air presence information.	Navigation System) 3. -			
Air Conditioner (ACN)	Air conditioning system	Dimmer information output to the LIN panel according to the display dimmer information.	1. Air Conditioning Amplifier 2. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	None	Condition is maintained (after the reset, the dimmer condition is fixed).	-
		PTC control switching based on the headlight illumination information.	1. Air Conditioning Amplifier 2. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	None	PTC control (the headlight flickering countermeasure) is not performed.	-
		A/C control pattern switching based on the country specific information.	1. Air Conditioning Amplifier 2. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	None	Condition is maintained (when unconfirmed, control is performed according to the default value).	-
		Air conditioning system operation condition switching and the outside temperature display output adjustment according to the vehicle speed information.	1. Air Conditioning Amplifier 2. Combination Meter 3. -	None	- Decrease in reliability and consistency of the exterior temperature value of the outside temperature display. - Decrease in the optimum level of A/C vent airflow amount adjustment.	-
Steering Sensor (STR)	Steering angle detection function	The steering angle change information is output to the CAN according to the steering wheel operation.	1. Steering Angle Sensor 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	- Initialization condition: Data output response request (STS=0). - When the trigger frame VSC 1S01 is not received from the master cylinder solenoid (skid control ECU),	-

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					the data output response of the output response request changes from STS=0 to STS=1.	
				Master Cylinder Solenoid (Skid Control ECU)	- Communications stopped after transmission is sent 4 times at 12 msec. intervals as the data output response non-request STS=0. - When the above conditions are met, the sensor internal zero point memory invalid SAZS=1 and SFRZ=previous value + 1 during the next transmission.	-
Steering Sensor (STR)	Steering angle detection function	The steering angle change information is output to the CAN according to the steering wheel operation.	1. - 2. - 3. -	- Master Cylinder Solenoid (Skid Control ECU) - Steering Control ECU - ECM	-	Depends on the partner ECU specification.
Seat (DST)	Seat system	Memory restore function	1. Position Control ECU and Switch 2. - 3. Position Control ECU and Switch	- Master Cylinder Solenoid (Skid Control ECU) - Steering Control ECU - ECM	-	-
			1. - 2. ECM 3. -	ECT	The memory restore function does not operate.	-
			1. - 2. ECM 3. -	ECM	The memory restore function does not operate.	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	The memory restore function does not operate.	-

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			1. - 2. Position Control ECU and Switch 3. -	Position Control ECU and Switch	The memory restore function does not operate.	-
		Memory call function	1. Position Control ECU and Switch 2. - 3. Position Control ECU and Switch	-	-	-
			1. - 2. Certification ECU (Smart Key ECU) 3. -	Certification ECU (Smart Key ECU)	The memory call does not operate.	-
		Tilt and telescopic operation permission function	1. Position Control ECU and Switch 2. - 3. -	-	-	-
			1. - 2. Multiplex Tilt and Telescopic ECU 3. Multiplex Tilt and Telescopic ECU	Multiplex Tilt and Telescopic ECU	The tilt and telescopic operation does not operate.	-
Mirror (DRD)	Mirror surface manual control	Function that adjusts the mirror surface with the manual switch.	1. Outer Mirror Control ECU 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	The mirror surface manual adjustment function does not operate (stops if there is a disruption during the operation).	-
	Mirror surface memory control	Function that records the mirror surface position.	1. Outer Mirror Control ECU 2. Position Control ECU and Switch, Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. -	- Main Body ECU (Cowl Side Junction Block LH) - Position Control ECU and Switch	The mirror surface recording function does not operate	-
	Mirror surface recovery control	Function that moves the mirror surface to the recorded mirror surface position.	1. Outer Mirror Control ECU 2. Position Control ECU and Switch 3. -	Position Control ECU and Switch	The mirror surface recovery function does not operate (if disrupted during the operation, the function does not operate from the next trigger condition).	-
	Mirror surface reverse control	Function that tilts the mirror surface downward when the vehicle is moving in reverse.	1. Outer Mirror Control ECU 2. Main Body ECU (Cowl Side Junction Block LH)	- Main Body ECU (Cowl Side Junction Block LH) - ECT	The reverse shift-linked function does not operate (if disrupted during the operation, the function does not operate from the next trigger condition).	-

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			(MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus), ECM 3. -			
	Electric retract/return control	Function that retracts/returns the mirror housing.	1. Outer Mirror Control ECU 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (V Bus), ECM 3. -	- Main Body ECU (Cowl Side Junction Block LH) - ECT	The mirror housing retract/return function does not operate (if disrupted during the operation, the function does not operate from the next trigger condition).	-
	Foot light illumination control	Function that turns on/off the foot light illumination that is on the bottom of the mirror housing.	1. Outer Mirror Control ECU 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	The foot light illumination turns off (if illuminated, turns off).	-
Wiper (FRN)	Front wiper control	System that operates the wiper HI and LO operation, vehicle speed sensing intermittent wiper function, vehicle speed switching function, washer linked function, and auto wiper.	1. Windshield Wiper ECU 2. - 3. -	-	-	-
			1. - 2. ECM 3. -	ECM		-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	With the engine switch on (IG) and the wipers operating with the LO switch on, the intermittent wiper function does not operate while the vehicle is stopped due to the vehicle speed switching control not operating.	-
			1. - 2. Combination Meter 3. -	Combination Meter	- With the engine switch on (IG) and the wipers operating with the LO switch on, the intermittent wiper function does not operate while the vehicle is stopped due to the vehicle speed switching control not operating. - With the engine switch on (IG),	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
					the washer fluid delay timing becomes fixed. With the engine switch on (IG), the intervals do not change according to the vehicle speed while the intermittent wiper function is operating.	
Wiper (FRN)	LIN communication control	System that assists the outer wiper function by communication with the windshield wiper ECU.	1. Windshield Wiper ECU 2. - 3. -	-	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	With the engine switch on (IG), the disruption value data is routed to the rain sensor. Otherwise, the rain sensor operation depends on the specifications.	-
			1. - 2. Combination Meter 3. -	Combination Meter		-
Navigation (EMV)	Auto dimmer function and forced day screen function	Forced day screen switching, and auto dimmer function control.	1. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 2. - 3. -	Main Body ECU (Cowl Side Junction Block LH)	The auto dimmer function and forced day screen function do not operate.	-
	Air conditioning function	Displays the air conditioning control screen by using the information from the air conditioning amplifier, and has a control function that notifies the air conditioning ECU of screen switch operating information.	1. - 2. Display and Navigation Module Display (w/ Navigation System), Multi-display (w/o Navigation System) 3. -	-	-	-
			1. Air Conditioning Amplifier 2. - 3. -	Air Conditioning Amplifier (air conditioning functions)	- With the engine switch on (IG), the screen is displayed without air conditioning if ACN1S06 is not received for 10 sec. - Panel switch control, screen switch control, and voice	- Warning function: The screen displays without the air conditioning. - Warning function: Nothing. - Behavior: The air conditioning

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
					control do not operate.	control screen/panel indicator light and set temperature indicator turn on and do not change. • Displayed using the EMV.
Navigation (EMV)	Country specification switching function	Function that changes the country specification based on the country specification information received from the vehicle.	1. - 2. Display and Navigation Module Display (w/ Navigation System), Multi-display (w/o Navigation System) 3. -	-	-	-
			1. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 2. - 3. -	Main Body ECU (Cowl Side Junction Block LH)	-	-
Navigation (EMV)	Clearance sonar screen display and clearance sonar cooperative display	System that displays the clearance sonar detection information.	1. - 2. Multi-display 3. -	Parking Assist ECU	-	-
			1. Parking Assist ECU 2. - 3. -	Parking Assist ECU	The clearance sonar screen display is off (it is determined that the clearance sonar ECU is not present).	- Warning function: Nothing. - Behavior: Information menu screen "CLEAR SONAR" TSW is not displayed. - Displayed using the EMV.
Navigation (EMV)	Clearance sonar screen display and clearance sonar cooperative display	System that displays the clearance sonar detection information.	1. ECM 2. - 3. -	ECT	Shift: Maintains previous value concerning R information, however there is no particular problem (Shift: Maintained in R. It is not possible to make the warning screen not display by shifting to N→R→N consecutively. However, it is possible to switch to the warning screen and cooperative screen (camera) if the normal shift operation is performed. Therefore, there is no problem (Shift: Maintained in a position other than R (default)).	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
					It is not possible to make the camera screen not display by shifting to P→N→R when starting. However, it is possible to switch to the warning screen and cooperative screen (camera) if the normal shift operation is performed. Therefore, there is no problem.	
Navigation (EMV)	Clearance sonar settings	System that sets the operation of the clearance sonar.	1. - 2. Display and Navigation Module Display (w/ Navigation System), Multi-display (w/o Navigation System) 3. -	-	-	-
			1. Parking Assist ECU 2. - 3. -	Parking Assist ECU	The clearance sonar screen display is off (it is determined that the clearance sonar ECU is not present).	- Warning function: Nothing. - Behavior: The information menu screen "CLEAR SONAR" TSW is not displayed. - Displayed using the EMV.
No. 2 Main Body ECU (RRJ)	Rear wiper control	System that performs the rear wiper LO speed operation, washer linked function, intermittent wiper function, vehicle speed switching control, and reverse linked control.	1. No. 2 Main Body ECU 2. - 3. -	-	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	With the engine switch on (IG), the rear wiper does not stop due to the rear upper door opening during the rear wiper operation.	-
			1. - 2. Combination Meter 3. -	Combination Meter	With the engine switch on (IG), the intermittent wiper function does not operate while the wipers are stopped due to the vehicle speed switching control not operating during the rear wiper operation.	-
			1. - 2. ECM 3. -	ECM	With the engine switch on (IG), the rear wiper does not activate due to the	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL	RELATED ECU	FAILURE OPERATION control not operating behavior	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
			1. - MASTER SYSTEM Wiper ECU RELATED 2. - Wiper ECU 3. - CONTROL ACTUATOR			
	Lower door closer control	System that independently controls the internal closer motors (RH, LH) of the rear lower door at the same time.	1. No. 2 Main Body ECU 2. - 3. -	-	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	Does not activate release, and does not release the lower door latch.	-
			1. - 2. Combination Meter 3. -	Combination Meter	With the engine switch on (IG), does not activate release, and does not release the lower door latch.	-
No. 2 Body ECU (RRJ)	Illumination control	System that fades the inside handle illumination, and step illumination in and out.	1. No. 2 Main Body ECU 2. - 3. -	-	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	Does not turn on the inside handle illumination or step illumination.	-
	LIN communication control	System that routes the CAN data to the overhead module using LIN communication.	1. No. 2 Main Body ECU 2. - 3. -	-	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	Routes the disrupted value data to the overhead module.	-
			1. - 2. Certification ECU (Smart Key ECU) 3. -	Certification ECU (Smart Key ECU)		-
Variable Gear Ratio Steering (VGR)	VGRS system	System that changes the steering gear ratio based on the vehicle speed information and steering angle.	1. Steering Control ECU 2. - 3. Steering Control ECU	-	-	-
			1. - 2. Steering Angle Sensor 3. -	Steering Angle Sensor	VGRS system does not operate.	Master warning light illuminates and display is shown on multi-information display (meter display).
			1. - 2. ECM 3. -	ECM		

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)		
Clearance Sonar (CSR)	Intuitive parking assist system	System that activates the ultrasonic sensor, measures the distance from obstacles, and notifies the user by using the display and buzzer.	1. Parking Assist ECU 2. - 3. -	-	-	-
			1. - 2. Air Conditioning Amplifier 3. -	Air Conditioning Amplifier	The sonar system functions normally. Maintains distance by maintaining the outside temperature at 25°C (77°F).	-
			1. - 2. Windshield Wiper ECU 3. -	Windshield Wiper ECU	The sonar system function normally. Operates the obstacle judgments with the wiper off (except in rain).	-
			1. - 2. ECU 3. -	ECM	If data received from the ECM is lost, the system is inoperable as control is performed with the shift position data set to P.	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	The clearance sonar main switch indicator is maintained with the brightness as the previous value.	-
					The sonar system functions normally. Control is maintained with the country specification information as the previous value (with or without a warning sound).	-
Clearance Sonar (CSR)	Intuitive parking assist system	System that activates the ultrasonic sensor, measures the distance from obstacles, and notifies the user by using the display and buzzer.	1. - 2. Combination Meter 3. -	Combination Meter	If data received from the meter ECU is lost, the system is inoperable as the clearance sonar is controlled at 20 km/h (12.5 mph) or more.	-
			1. - 2. Display and Navigation Module Display (w/ Navigation System), Multi-display (w/o Navigation System) 3. -	- Display and Navigation Module Display (w/ Navigation System) - Multi-display (w/o Navigation System)	The sonar system functions normally. The clearance sonar customize information is maintained.	-
					The sonar system functions normally. Information on the camera presence is maintained.	-
					The sonar system functions normally. Notification on the screen that the clearance sonar is off is disabled.	-
AFS	Leveling	System that adjusts the beam axis direction of the headlights vertically according to the pitch angle requested by the	1. AFS ECU (Headlight Swivel ECU) 2. - 3. -	-	-	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
		wheel speed sensor and vehicle height sensor.	1. - 2. ECM 3. -	ECM	- Leveling control continues. - Swivel control centers the headlights.	AFS OFF indicator blinks.
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	- Leveling control continues with the vehicle speed set to 0 km/h (0 mph). - Swivel control centers the headlights.	
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	- Leveling control continues. - Swivel control centers the headlights.	
			1. - 2. Steering Control ECU 3. -	Steering Control ECU	-	-
AFS	Swivel	System that measures the turning diameter based on the wheel speed and steering angle, and then moves the headlights left and right according to the turning diameter.	1. AFS ECU (Headlight Swivel ECU) 2. - 3. -	-	-	-
			1. - 2. ECM 3. -	ECM	- Leveling control continues. - Swivel control centers the headlights.	AFS OFF indicator blinks.
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	- Leveling control continues with the vehicle speed set to 0. - Swivel control centers the headlights.	
			1. - 2. Steering Angle Sensor, Steering Control ECU 3. -	- Steering Angle Sensor - Steering Control ECU	- Leveling control continues. - Swivel control centers the headlights.	
			1. - 2. Steering Angle Sensor 3. -	Steering Angle Sensor	- Leveling control continues. - Swivel control centers the headlights.	
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (V Bus).	Main Body ECU (Cowl Side Junction Block LH).	- Level control continues. - Swivel control centers the headlights.	

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
	AFS indicator	Monitors for AFS system malfunctions and blinks the indicator of the meter when a malfunction is detected.	3. -			
			1. AFS ECU (Headlight Swivel ECU) 2. - 3. AFS ECU (Headlight Swivel ECU)	-	-	-
			1. - 2. Combination Meter 3. -	Combination Meter	-	-
Rear View Monitor (DS2)	Rear view monitor system	System that displays the expected course lines in the back camera image of the display that links to the steering angle to assist in parking (garage parking, parallel parking, etc.).	1. Parking Assist ECU 2. - 3. -	-	-	-
			1. - 2. Steering Angle Sensor, Steering Control ECU 3. -	- Steering Angle Sensor - Steering Control ECU	The rear view monitor system does not operate.	Does not display the expected course lines on the display. Displays "Guidance unavailable" on the navigation screen.
	Wide view front and side monitor system	System that displays the front and side camera image on the display.	1. Parking Assist ECU 2. - 3. -	-	-	-
			1. - 2. ECM 3. -	ECT	The wide view front and side monitor system does not operate.	Nothing (informed to user by not displaying image).
Pre-collision Seat Belt (PSB)	PCS (brake linked)	When the VSC system suddenly brakes and/or the vehicle is unable to be controlled (while spinning or drifting), the seat belt control ECU operates the pre-collision seat belts (PSB) that are fastened (receives the buckle switch information from the center airbag sensor) by tightening the seat belts to increase the occupant restraint.	1. Seat Belt Control ECU 2. - 3. Seat Belt Control ECU	-	-	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	Detects that communication with the seat belt control ECU is lost. Control is stopped.	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	Detects that communication with the seat belt control ECU is lost. Control is stopped (brake linked).	-
			1. - 2. Center Airbag Sensor 3. -	Center Airbag Sensor	Detects that communication with the seat belt control ECU is lost. Control is stopped.	-
	PCS (millimeter wave radar sensor linked)	When ACC determines that a collision is unavoidable based on the information from the millimeter wave radar sensor, the seat belt control ECU operates the	1. Seat Belt Control ECU 2. - 3. -	-	-	-
			1. -	Distance Control ECU	Detects that communication with the	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
		pre-collision seat belts (PSB) that are fastened by tightening the seat belts to increase the occupant restraint.	2. Distance Control ECU 3. -		seat belt control ECU is lost. Control is stopped (millimeter wave radar sensor linked).	
			1. - 2. Center Airbag Sensor 3. -	Center Airbag Sensor	Detects that communication with the seat belt control ECU is lost. Control is stopped.	-
Pre-collision Seat Belt (PSB)	Meter display request	Receives the seat belt control ECU malfunction information or ACC malfunction information, and requests the display of the indicator to the meter ("PCS" indicator turn off/turn on request). HINT: As long as there is a signal in the ACC frame, the blinking request outputs an illumination request to the combination meter. When communication with the ACC frame is lost, it is determined that a malfunction exists and an illumination request is output along with the malfunction. The priority order is determined by the combination meter. The illumination is the first priority.	1. Seat Belt Control ECU 2. - 3. -	-	-	Exclusive indicator "PCS" turns on.
			1. - 2. Combination Meter, Master Cylinder Solenoid (Skid Control ECU) 3. -	- Combination Meter - Master Cylinder Solenoid (Skid Control ECU)		
			1. - 2. Combination Meter, Distance Control ECU 3. -	- Distance Control ECU - Combination Meter		
	2 digit DTC output	When terminal TC of the DLC3 is connected to terminal GND, a 2 digit DTC (BCD) is displayed by the blinking of "PCS".	1. Seat Belt Control ECU 2. - 3. -	-	-	-
			1. - 2. ECM 3. -	ECM	-	-
Meter (MET)	Speedometer	Indicates the vehicle speed according to the vehicle speed signal.	1. Combination Meter 2. - 3. Combination Meter	-	-	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	The speedometer indicates 0 km/h (0 mph).	-
	Tachometer	Indicates the engine speed according to the engine speed signal.	1. Combination Meter 2. - 3. Combination Meter	-	-	-
			1. - 2. ECM 3. -	ECM	The tachometer indicates 0 rpm.	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL 1. Combination MASTER SYSTEM 2. - 2. - RELATED 3. Combination Meter ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
	ODO/TRIP meter	Calculates and displays the driven distance according to the vehicle speed pulse signal calculated value.	1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	- The ODO/TRIP meter stops calculating and the last displayed value continues to be displayed. - Optitron meter: In multi-display. - Regular analog meter: Independent LCD.	-
	Engine coolant temperature gauge	Indicates the coolant temperature according to the engine coolant temperature signal.	1. Combination Meter 2. - 3. Combination Meter	-	-	-
			1. - 2. ECM 3. -	ECM	The coolant temperature gauge displays less than the C mark.	-
Meter (MET)	Fuel gauge	Indicates the remaining fuel according to the fuel sender (direct line) input (uses the CAN communication (the vehicle speed signal) to determine if the vehicle is being driven or not).	1. Combination Meter 2. - 3. Combination Meter	-	-	-
			1. - 2. ECM 3. -	ECM	Control is performed with the speed input as 0 km/h (0 mph).	-
	Oil pressure gauge	Indicates the engine oil pressure according to the oil pressure sender (direct line) input (uses the CAN communication to determine if the engine is on or off by the engine speed signal).	1. Combination Meter 2. - 3. Combination Meter	-	-	-
			1. - 2. ECM 3. -	ECM	The oil pressure gauge displays less than the L mark.	-
	Shift lever indicator	The shift information is displayed according to the shift position signal.	1. Combination Meter 2. - 3. Combination Meter	-	-	-
			1. - 2. ECM 3. -	ECM	The shift lever indicator and shift position in the multi-information display turns off.	-
Meter (MET)	Buzzer	Controls the buzzer to sound and not sound according to the various signals that are input.	1. Combination Meter 2. - 3. Combination Meter	-	-	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	-	-
			1. - 2. Main Body ECU (Cowl Side	Master Cylinder Solenoid (Skid	Conditions for the seat belt buzzer not sounding: When VSC1S03 is lost: Does not sound.	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
			Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus), Master Cylinder Solenoid (Skid Control ECU) 3. -	Control ECU) • Main Body ECU (Cowl Side Junction Block LH)	When BDB1S01 is lost: Does not sound. When ECT1S90 is lost: Control is performed with B_R=0b.	
				• Master Cylinder Solenoid (Skid Control ECU) • Main Body ECU (Cowl Side Junction Block LH)	Conditions for the seat belt buzzer sounding: When VSC1S03 is lost: Control is performed with the vehicle speed as 0 km/h (0 mph). When VSC1S95 is lost: Control is performed with B_CPKB=0b. When BDB1S01 is lost: Control is performed with PKB_BDB=0b.	-
				• Master Cylinder Solenoid (Skid Control ECU) • Main Body ECU (Cowl Side Junction Block LH)	The door ajar driving warning buzzer does not sound.	-
Meter (MET)	Buzzer	Controls the buzzer to sound and not sound according to the various signals that are input.	1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	The light reminder buzzer does not sound.	-
				Main Body ECU (Cowl Side Junction Block LH)	The sliding roof buzzer condition is maintained (until bus sleep).	-
			1. - 2. ECM 3. -	ECM	The A/T reverse buzzer does not sound.	-
				ECM	- The sports shift reject buzzer condition is maintained. - The radar cruise low speed cancel buzzer does not sound. - The radar cruise warning buzzer does not sound.	-
			1. - 2. 4WD Control ECU 3. -	4WD Control ECU	The last state of the 4WD buzzer is maintained.	-
			1. - 2. Certification ECU (Smart Key ECU) 3. -	Certification ECU (Smart Key ECU)	The door control transmitter buzzer (single push, continuous push, and intermittent push) does not sound. The immobiliser verification	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
					completion notification buzzer does not sound.	
Meter (MET)	Telltale	Turns on/blinks/turns off indicators based on the various signals.	1. Combination Meter 2. - 3. Combination Meter	-	-	-
			1. - 2. Master Cylinder (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	ABS warning indicator turns on.	ABS warning indicator turns on.
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus), Master Cylinder Solenoid (Skid Control ECU) 3. -	- Master Cylinder Solenoid (Skid Control ECU) - Main Body ECU (Cowl Side Junction Block LH)	Brake warning light When VSC1S95 is lost: Illuminates. When BDB1S01 is lost: Control is performed with PKB_BDB=0b.	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	SLIP indicator light condition is maintained. VSC OFF indicator light condition is maintained. The downhill assist control indicator condition is maintained. The slight low speed TRC indicator condition is maintained.	-
				Master Cylinder Solenoid (Skid Control ECU)	Control is performed with the speed condition as 0 km/h (0 mph) for the following display: FUEL FILTER clog indicator. The odometer calculation is stopped for the following display conditions: T-BELT indicator.	-
			1. - 2. AFS ECU 3. -	AFS ECU	Maintains the AFS OFF indicator light condition.	-
Meter (MET)	Telltale	Turns on/blinks/turns off indicators based on the various signals.	1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction	Main Body ECU (Cowl Side Junction Block LH)	When there is determined to be a disruption, the following indicators operate as follows: While the engine switch is on (IG): Condition is maintained. When the engine switch is off: Turns off. DOOR indicator light	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
			Block LH) (V Bus) 3. -		Driver side seat belt warning light	
				Main Body ECU (Cowl Side Junction Block LH)	When there is determined to be a disruption, the following indicators operate as follows: While the engine switch is on (IG): Condition is maintained. When the engine switch is off: Turns off. - FRONT FOG indicator light - REAR FOG indicator light - TAIL indicator light - HEAD indicator light - BEAM indicator light	-
Meter (MET)	Telltale	Turns on/blinks/turns off indicators based on the various signals.	1. - 2. Parking Assist ECU 3. -	Parking Assist ECU	CLEARANCE SONAR indicator light turns off.	-
			1. - 2. ECM 3. -	ECM	The A/T P warning light condition is maintained. The ECT PW indicator light condition is maintained. The 2nd START indicator light condition is maintained. The CHARGE warning light condition is maintained. The CRUISE main indicator light condition is maintained.	-
Meter (MET)	Telltale	Turns on/blinks/turns off indicators based on the various signals.	1. - 2. ECM, 4WD Control ECU 3. -	- ECM 4WD Control ECU	The A/T P warning light conditions are maintained.	-
			1. - 2. 4WD Control ECU 3. -	4WD Control ECU	The center differential lock indicator light turns off. The 4LO indicator light turns off.	-
			1. - 2. Seat Belt Control ECU 3. -	Seat Belt Control ECU	The PCS indicator light condition is maintained.	-
			1. - 2. Suspension Control ECU 3. -	Suspension Control ECU	ACCESS MODE indicator light - When the engine switch is on (IG): The condition is maintained. - When the engine switch is off: Turns off.	-
			1. - 2. Tire Pressure Warning ECU	Tire Pressure Warning ECU	The tire pressure warning light stays illuminated after blinking 62 times.	The tire pressure indicator stays illuminated after blinking 62 times.

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
			3. -			
			1. - 2. Center Airbag Sensor 3. -	Center Airbag Sensor	The SRS warning light turns on.	The SRS warning light turns on.
Meter (MET)	Multi-display	Displays information about the drive monitor, tire pressure, warning, radar cruise, clearance sonar, door, A/T shift position, odometer, etc. based on the various signals.	1. Combination Meter 2. - 3. Combination Meter	-	-	-
			1. - 2. ECM, Master Cylinder Solenoid (Skid Control ECU) 3. -	- ECM - Master Cylinder Solenoid (Skid Control ECU)	Displays a blank screen and drive monitor operation and calculation of the following values stops: instant fuel economy, average fuel economy after refueling, distance to empty, average vehicle speed after engine start, driving distance after engine start.	-
			1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	Parking brake drag warning display conditions: When VSC1S03 is lost: Control is performed with the vehicle speed as 0 km/h (0 mph). When VSC1S95 is lost: Control is performed with B_CPKB=0b. When BDB1S01 is lost: Control is performed with PKB_BDB=0b.	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus), Master Cylinder Solenoid (Skid Control ECU) 3. -	- Master Cylinder Solenoid (Skid Control ECU) - Main Body ECU (Cowl Side Junction Block LH)	The TRC system display is maintained. The VSC display is maintained.	-
Meter (MET)	Multi-display	Displays information about the drive monitor, tire pressure, warning, clearance sonar, door, A/T shift position, odometer, etc. based on the various signals.	1. - 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)	Control is performed with the speed condition as 0 km/h (0 mph) for the following displays: Door open while driving display, FUEL FILTER clog display. ODO calculation stops for the following display conditions: Oil maintenance display, T-BELT display.	-
			1. -	Master Cylinder	Conditions for the door open display and door	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
			2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus), Master Cylinder Solenoid (Skid Control ECU) 3. -	Solenoid (Skid Control ECU) • Main Body ECU (Cowl Side Junction Block LH)	open while driving display: VSC1S03: Control is performed with the vehicle speed as 0 km/h (0 mph). BSB1S01: Display state is maintained. BDB1S08: No display.	
			1. - 2. Air Conditioning Amplifier 3. -	Air Conditioning Amplifier	The outside temperature display is "E".	The outside temperature display is "E" (in the meter).
Meter (MET)	Multi-display	Displays information about the drive monitor, tire pressure, warning, clearance sonar, door, A/T shift position, odometer, etc. based on the various signals.	1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	The shift position display turns off.	-
				Main Body ECU (Cowl Side Junction Block LH)	The door control transmitter display condition is as follows: While the engine switch is on (IG): Condition is maintained. When the engine switch is off: Turns off.	-
				Main Body ECU (Cowl Side Junction Block LH)	The sliding roof open display condition is as follows: While the engine switch is on (IG): Condition is maintained. When the engine switch is off: Turns off.	-
			1. - 2. Parking Assist ECU 3. -	Parking Assist ECU	The clearance warning sonar display condition is maintained.	-
Meter (MET)	Multi-display	Displays information about the drive monitor, tire pressure, warning, clearance sonar, door, A/T shift position, odometer, etc. based on the various signals.	1. - 2. ECM 3. -	ECM	The A/T shift position display turns off.	-
				ECM	The A/T OIL TEMP display state is maintained.	-
			1. - 2. Seat Belt Control ECU 3. -	Seat Belt Control ECU	The PCS display condition is maintained.	-
			1. - 2. Certification ECU (Smart Key ECU) 3. -	Certification ECU (Smart Key ECU)	The door control transmitter display condition is maintained. The security display condition is maintained. The door control transmitter unlock mode display condition is maintained.	-
			1. - 2. Suspension Control ECU	Suspension Control ECU	4-WHEEL AHC vehicle height display turns off. "Check 4-WHEEL AHC System" is displayed.	4-WHEEL AHC vehicle height display turns off.

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. - CONTROL MASTER	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	"Check Tire Pressure System" is displayed (in the meter).
			2. - SYSTEM			USER NOTIFICATION
			1. - RELATED			
			3. - TIRE PRESSURE WARNING ACTUATOR	Tire Pressure Warning ECU	"Check Tire Pressure System" is displayed.	"Check Tire Pressure System" is displayed (in the meter).
			ECU			
			3. -			
			1. -			
			2. Steering Control ECU	Steering Control ECU	"Check VGRS System" is displayed.	"Check VGRS System" is displayed.
			3. -			
			1. Combination Meter			
			2. -	Combination Meter	-	-
			3. Combination Meter			
			1. -			
			2. Main Body ECU (Cowl Side Junction Block LH) (V Bus)	Main Body ECU (Cowl Side Junction Block LH)	Daytime brightness.	-
			3. -			
			1. -			
			2. ECM	ECM	-	-
			3. -			
			1. Combination Meter			
			2. -	-	-	-
			3. Combination Meter			
			1. -			
			2. Center Airbag Sensor	Center Airbag Sensor	The passenger seat belt warning indicator condition is maintained.	-
			3. -			
			1. -			
			2. -			
			3. Display and Navigation Module Display (w/ Navigation System), Multi-display (w/o Navigation System)	- Display and Navigation Module Display (w/ Navigation System) - Multi-display (w/o Navigation System)	-	-
			1. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus)	ECM	The forced engine switch off function does not operate.	-
			2. Combination Meter, ECM			
			3. -	Combination Meter	When the power supply switching conditions are met, power supply switching control is permitted. When the power supply condition IG2 start/stop switch turns from off to on, the power supply condition is changed to IG1, and the IG relay output stops.	-
			1. Main Body ECU (Cowl Side Junction Block LH) (MS Bus)	Certification ECU (Smart Key ECU)	The security control does not operate (The headlight/taillight warning light output, horn warning output, and	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
			2. Certification ECU (Smart Key ECU) 3. Main Body ECU (Cowl Side Junction Block LH) (MS Bus)		hazard warning light output do not operate). The forced door lock function lock output does not operate. The dome light warning control does not operate. The lighting system answer back control does not operate. (The taillight warning output and hazard warning light output do not operate).	
				Certification ECU (Smart Key ECU)	When the security warning is operating, warning output stops during hazard warning light output.	-
				Certification ECU (Smart Key ECU)	When the security warning is operating, the dome light turns off during dome light illumination.	-
	Smart/Wireless	The system that operates the lock/unlock, engine switch, back door opener, warning, etc. by pressing the switch when the door control transmitter is within the vehicle detection area. The system that operates the vehicle lock/unlock, panic, back door opener, etc. by remote control.	1. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 2. Certification ECU (Smart Key ECU) 3. Main Body ECU (Cowl Side Junction Block LH) (MS Bus)	Certification ECU (Smart Key ECU)	Smart access/wireless control does not operate. The door lock/unlock control and smart access back door opener control do not operate.	-
Body (BDB)	Vehicle speed linked auto lock	The system that locks the doors when the vehicle speed is 20 km/h (12 mph) or more.	1. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 2. Combination Meter, ECM 3. Main Body ECU (Cowl Side Junction Block LH) (V Bus)	ECM	When the vehicle speed linked auto lock signal is lost, operation is permitted.	-
				Combination Meter	The vehicle speed linked auto lock does not operate.	-
	Shift linked auto lock/unlock	The system that unlocks all the doors when the shift lever is moved to P, and locks all doors when the shift lever is moved from P to another position while the engine is running.	1. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 2. Combination Meter, ECM 3. Main Body ECU (Cowl Side Junction Block LH) (V Bus)	ECM	The shift linked auto lock/unlock function does not operate.	-
				Combination Meter	When the shift linked auto lock/unlock signal is lost, operation is permitted.	-
	DRL	The system that illuminates lights when driving the vehicle to improve the visibility of	1. Main Body ECU (Cowl Side	ECM	DRL control does not operate. HINT:	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
		pedestrians and other vehicles in the daytime.	Junction Block LH) (V Bus) 2. ECM 3. Main Body ECU (Cowl Side Junction Block LH) (V Bus)		If operated once, the operation continues until the engine switch is turned off, even if the signal is lost.	
	Boarding	System that controls the front (rear) dome light, door mirror foot light, center console spot light, and interior foot light.	1. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus) 2. Certification ECU (Smart Key ECU), Combination Meter, ECM, Parking Assist ECU 3. Outer Mirror Control ECU, No. 2 Main Body ECU Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus)	Certification ECU (Smart Key ECU)	Front (rear) dome light, door mirror foot light, center console spot light, and interior foot light control does not operate.	-
				Combination Meter	While the interior foot light is illuminated, the center console does not turn off.	-
				ECM	When the interior foot light is illuminated, the dimmer operates. When the engine switch is on (IG), the door mirror foot light does not operate by the manual unlock.	-
				Parking Assist ECU	When the side monitor is operating, the door mirror foot light can illuminate.	-
Body (BDB)	Alarm memory	The system that informs the user that the alarm was set off when the alarm is unset.	1. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus) 2. Certification ECU (Smart Key ECU) 3. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus)	Certification ECU (Smart Key ECU)	The tail output request signal is stopped by the alarm memory function.	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
	Back door	System that operates the hazard warning lights as an answer back when the power back door begins to operate.	1. Power back Door Unit (Power Back Door ECU) 2. Power back Door Unit (Power Back Door ECU) 3. Main Body ECU (Cowl Side Junction Block LH) (MS Bus)	Power Back Door Unit (Power Back Door ECU)	The hazard warning light answer back does not operate when the back door begins to operate.	-
	Back door opener	The system that releases the door latch (turns opener motor on) by turning on the switch built into the outside door handle.	1. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 2. Combination Meter 3. Main Body ECU (Cowl Side Junction Block LH) (V Bus)	Combination Meter	Prohibits the back door opener control.	-
	One motion power back door opener	System that unlocks and opens the back door in one motion when the wireless back door opening operation is performed.	1. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 2. Power Back Door Unit (Power Back Door ECU) 3. Power Back Door Unit (Power Back Door ECU)	Power Back Door Unit (Power Back Door ECU)	Back door opener control does not operate.	-
	Display automatic dimmer control	System that controls the brightness of the interior display/indicators, etc. only during twilight and nighttime by determining the time of day and using the light sensor signal.	1. Main Body ECU (Cowl Side Junction Block LH) (V Bus) 2. Combination Meter 3. Windshield Wiper ECU, No. 2 Main Body ECU, Bus Buffer ECU, Combination Meter, Display and Navigation (w/ Navigation System), Multi-display (w/o Navigation System), Air Conditioning Amplifier, Parking Assist ECU	Combination Meter	Operates the display automatic dimmer control when the tail cancel switch is on. When the value of the light sensor illumination intensity signal is less than the display dimmer value, the brightness of the vehicle interior display/indicator is dimmed.	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER ECU (Cowl Side Junction Block LH) (MS Bus) 2. SYSTEM RELATED CONTROL ACTUATOR (MS Bus)	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
Body (BDB)		System that performs headlight illumination control, sounds the horn, and outputs vehicle lock/unlock signals based on requests from the call center.	2. Bus Buffer ECU 3. Main Body ECU (Cowl Side Junction Block LH)	Bus Buffer ECU	Door lock/unlock control does not operate. The horn does not sound. The hazard warning lights do not blink.	-
	LEXUS link				Horn sounding stops during the horn sounding.	-
	Power window	The system that operates power window control based on the request from wireless/smart access control.	1. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 2. Certification ECU (Smart Key ECU) 3. -	Certification ECU (Smart Key ECU)	Power window control does not operate. Power window control stops during wireless/smart power window control operation.	-
Mayday (CBG)	Door lock/unlock	Request from the call center to remotely unlock/lock the doors.	1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. Main Body ECU (Cowl Side Junction Block LH) (MS Bus)	Main Body ECU (Cowl Side Junction Block LH)	Door lock/unlock request cancel control is not possible.	-
	Car finder (hazard)	Request from the call center to blink the hazard warning lights.	1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. Main Body ECU (Cowl Side Junction Block LH) (MS Bus)	Main Body ECU (Cowl Side Junction Block LH)	Hazard blink request cancel control is not possible.	-
	Car finder (horn)	Request from the call center to sound the horn.	1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. Main Body ECU (Cowl Side Junction Block LH) (MS Bus)	Main Body ECU (Cowl Side Junction Block LH)	Horn sounding request cancel control is not possible.	-
	LED illumination control	The interior LED dimmer based on the ADIM signal.	1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. Main Body ECU (Cowl Side Junction Block LH) (MS Bus)	Main Body ECU (Cowl Side Junction Block LH)	-	Red LED illumination.

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
Verification (IDT)	Smart function	Smart access/lock/back door/warning, etc.	1. Certification ECU (Smart Key ECU) 2. - 3. -	-	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus), Main Body ECU (Cowl Side Junction Block LH) (V Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	- The smart access lock/unlock does not operate. - The smart back door does not operate. - The smart warning message does not operate. - The smart key lock-in prevention function does not operate. - The smart illumination does not operate.	-
					Package default setting.	-
			1. - 2. Combination Meter 3. -	Combination Meter	The vehicle speed is determined to be 0 km/h (0 mph).	-
	Wireless buzzer function	The wireless buzzer sounding control.	1. Certification ECU (Smart Key ECU) 2. - 3. Certification ECU (Smart Key ECU)	-	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	Does not sound even though there is a wireless buzzer request.	-
					Package default settings.	-
			1. - 2. Suspension Control ECU 3. -	Suspension Control ECU	Does not sound even though there is an access mode warning buzzer request.	-
Verification (IDT)	Immobiliser function	The immobiliser control by the warning and remote engine start.	1. Certification ECU (Smart Key ECU) 2. - 3. Certification ECU (Smart Key ECU)	-	-	-
			1. - 2. ECM 3. -	ECM	The engine switch is forcibly turned off.	-
	Wireless function	Wireless electric wave information transmission.	1. Certification ECU (Smart Key ECU) 2. -	-	-	-

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
			3. Certification ECU (Smart Key ECU)			
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	-	-
	Security function	Security alarm control.	1. Certification ECU (Smart Key ECU) 2. - 3. Certification ECU (Smart Key ECU)	-	-	-
			1. - 2. Main Body ECU (Cowl Side Junction Block LH) (MS Bus) 3. -	Main Body ECU (Cowl Side Junction Block LH)	The alarm is not unset. The alarm is not set.	-
			1. - 2. ECM 3. -	ECM	The alarm is not unset by the engine start.	-
Movement Control Bus (CGW)	Movement control bus monitor function	Monitoring of communication stop.	1. Network Gateway ECU (Movement Control Bus) 2. Seat Belt Control ECU 3. -	Seat Belt Control ECU	The reception interval counter (RAM and CAN controller initialization).	-
			1. Network Gateway ECU (Movement Control Bus) 2. Distance Control ECU 3. -	Distance Control ECU		
			1. Network Gateway ECU (Movement Control Bus) 2. Parking Assist ECU 3. -	Parking Assist ECU		
			1. Network Gateway ECU (Movement Control Bus) 2. Steering Angle Sensor 3. -	Steering Angle Sensor		
			1. Network Gateway ECU	Suspension Control ECU		

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
			(Movement Control Bus) 2. Suspension Control ECU 3. -			
			1. Network Gateway ECU (Movement Control Bus) 2. Master Cylinder Solenoid (Skid Control ECU) 3. -	Master Cylinder Solenoid (Skid Control ECU)		
Movement Control Bus (CGW)	Movement control bus monitor function	Monitoring of communication stop.	1. Network Gateway ECU (Movement Control Bus) 2. Yaw Rate Sensor 3. -	Yaw Rate Sensor	The reception interval counter (RAM and CAN controller initialization).	-
			1. Network Gateway ECU (Movement Control Bus) 2. Steering Control ECU 3. -	Steering Control ECU		
			1. Network Gateway ECU (Movement Control Bus) 2. 4WD Control ECU 3. -	4WD Control ECU		
			1. Network Gateway ECU (Movement Control Bus) 2. Parking Assist ECU, Master Cylinder Solenoid (Skid Control ECU), 4WD Control ECU, Steering Angle Sensor, Yaw Rate Sensor, Distance Control ECU, Steering Control ECU, Seat Belt Control ECU, Suspension Control ECU	- Parking Assist ECU - Master Cylinder Solenoid (Skid Control ECU) 4WD Control ECU - Steering Angle Sensor - Yaw Rate Sensor - Distance Control ECU - Steering Control ECU - Seat Belt Control ECU - Suspension Control ECU		

SYSTEM	FUNCTION	CONTROL DESCRIPTION	1. CONTROL MASTER 2. SYSTEM RELATED 3. CONTROL ACTUATOR	RELATED ECU	FAIL-SAFE FUNCTION SYSTEM BEHAVIOR	INDICATOR AND BUZZER BEHAVIOR OR USER NOTIFICATION
			3. -			

