TROUBLESHOOTING

PROBLEM SYMPTOMS TABLE

BE16S-01

IGNITION SWITCH AND KEY UNLOCK WARNING SWITCH

This system uses the multiplex communication system, so check diagnosis system of the multiplex communication system before you proceed with troubleshooting.

Ignition Switch:

Symptom	Suspect Area	See page
	1. Ignition switch	BE-23
Ignition switch is not set to each position.	2. Power source circuit	_

Key Unlock Warning Switch:

Symptom	Suspect Area	See page
Key unlock warning system does not operate. (The buzzer sounds when the ignition key is ACC or ON)	1. Ignition Switch	BE-23
	2. Key Unlock Warning Switch	BE-23
	3. Wire Harness	-
	4. Body ECU	-
	5. Combination Meter	-

HEADLIGHT AND TAILLIGHT SYSTEM:

This system uses the multiplex communication system, so check diagnosis system of the multiplex communication system before you proceed with troubleshooting.

Symptom	Suspect Area	See page
	Automatic Light Control Sensor	BE-30 DI-630
	2. Light Control Switch	BE-30
"Automatic light control system" does not operate.	3. Door Courtesy Switch	BE-57
	4. Wire Harness	-
	5. Theft Deterrent ECU	DI-428
	6. Body ECU	DI-549
Auto turn-off system does not operate when the driver's door is	Drivers Door Courtesy Switch	BE-57
opened.	2. Body ECU	DI-549
Auto turn-off system:	1. Body ECU	DI-549
Headlight and taillight do not come on.	2. Wire Harness	-
Auto turn-off system:	1. Body ECU	DI-549
Headlight and taillight stay on.	2. Wire Harness	_

w/o Daytime Running Light System:

Symptom	Suspect Area	See page
Only one headlight comes on.	Bulb Wire Harness	-
"LO-Beam" does not light (All).	Headlight Control Relay Wire Harness	BE-30 -
"LO-Beam" does not light (One side).	 Bulb H-LP L-LWR Fuse H-LP R-LWR Fuse Wire Harness 	– BE–14 BE–14 –
"HI-Beam" does not light (All).	Headlight Dimmer Switch Wire Harness	BE-30 -
"HI-Beam" does not light (One side).	 Bulb H-LP L-UPR Fuse H-LP R-UPR Fuse Wire Harness 	– BE–14 BE–14 –

"Flash" does not light.	 H-LP L-UPR Fuse H-LP R-UPR Fuse Headlight Dimmer Switch Wire Harness 	BE-14 BE-14 BE-30
"Flash" does not light.	Bulb Wire Harness	-
Headlight does not come on.	Headlight Control Relay Light Control Switch Wire Harness	BE-30 BE-30
Headlight does not come on.	Bulb Wire Harness	-
Headlight flickers.	Bulb Wire Harness	-
Headlight is dark.	Bulb Wire Harness	-
Only one taillight comes on.	Bulb Wire Harness	-
Taillight does not come on. (Headlight is normal)	 TAIL Fuse GAUGE Fuse Taillight Control Relay Light Failure Relay Light Control Switch Wire Harness 	BE-14 BE-14 BE-83 BE-83 BE-30
Taillight does not come on. (Headlight does not light)	Light Control Switch Wire Harness	BE-30 -
Rear combination light does not come on.	Light Failure Relay Wire Harness Bulb	BE-83 - -

w/ Daytime Running Light System:

Symptom	Suspect Area	See page
Only one headlight comes on.	 Daytime Running Light No.2 Relay Daytime Running Light Main Relay Bulb Wire Harness Combination Meter 	BE-30 BE-30 - -
"LO-Beam" does not light (All).	Headlight Control Relay Wire Harness	BE-30 -
"LO-Beam" does not light (One side).	 Bulb H-LP L-LWR Fuse H-LP R-LWR Fuse Wire Harness 	– BE–14 BE–14 –
"HI-Beam" does not light (All).	Headlight Dimmer Switch Daytime Running Light Main Relay Wire Harness Combination Meter	BE-30 BE-30 - -
"HI-Beam" does not light (One side).	 Bulb H-LP L-UPR Fuse H-LP R-UPR Fuse Daytime Running Light No.2 Relay Wire Harness 	- BE-14 BE-14 BE-30

	<u> </u>	
"Flash" does not light.	Headlight Dimmer Switch	BE-30
	2. Daytime Running Light Main Relay	BE-30
	3. Wire Harness	-
	4. Combination Meter	-
	Headlight Control Relay	BE-30
	2. Daytime Running Light Main Relay	BE-30
	3. Daytime Running Light No.2 Relay	BE-30
Headlight does not come on.	4. Headlight Dimmer Switch	BE-30
Headilght does not come on.	5. Light Control Switch	BE-30
	6. Wire Harness	-
	7. Bulb	_
	8. Combination Meter	-
	Light Control Switch	BE-30
Headlight does not come on with light control switch in HEAD.	2. Wire Harness	_
	Headlight Control Relay	BE-30
Headlight does not go out with light control switch in OFF.	2. Wire Harness	_
	1. Bulb	-
Headlight flickers.	2. Wire Harness	-
Handled to ded.	1. Bulb	-
Headlight is dark.	2. Wire Harness	-
	Taillight Control Relay	BE-30
Taillight does not come on with light control switch in TAIL.	2. Light Control Switch	_
	3. Wire Harness	_
	Taillight Control Relay	BE-30
Taillight does not go out with light control switch in OFF.	2. Light Control Switch	BE-30
	3. Wire Harness	-
	1. ECU-B Fuse	BE-14
Headlight does not come on with engine running and light control switch in OFF.	2. GAUGE Fuse	BE-14
	3. Daytime Running Light Main Relay	BE-30
	4. Daytime Running Light No.2 Relay	BE-30
	5. Alternator L Terminal	CH-9
	6. Parking Brake Switch	BE-83
	7. Wire Harness	_
	8. Combination Meter	-

HEADLIGHT BEAM LEVEL CONTROL SYSTEM

Symptom	Suspect Area	See page
Headlight beam level control system does not operate. (All)	 H-LP LVL Fuse Headlight Beam Level Control Switch Headlight Beam Level Control Actuator Wire Harness 	BE-14 BE-42 BE-42
Headlight beam level control system does not operate. (One side)	Headlight Beam Level Control Switch Headlight Beam Level Control Actuator Wire Harness	BE-42 BE-42 -
Abnormal operation (All)	Headlight Beam Level Control Switch Headlight Beam Level Control Actuator Wire Harness	BE-42 BE-42 -
Abnormal operation (One side)	 Headlight Beam Level Control Switch Headlight Beam Level Control Actuator Wire Harness 	BE-42 BE-42 -

FOG LIGHT SYSTEM

This system uses the multiplex communication system, so check diagnosis system of the multiplex communication system before you proceed with troubleshooting.

Symptom	Suspect Area	See page
Front fog light does not light up with light control SW TAIL or HEAD. (Headlight is normal.)	 Bulbs FR FOG Fuse Front Fog Light Relay Front Fog Light Switch Wire Harness 	– BE–14 BE–45 BE–45
Front fog light does not light up with light control SW TAIL or HEAD. (Headlight does not light.)	Inspect Headlight and Taillight System Wire Harness	BE-2 -
Only one light does not light.	Bulbs Wire Harness	-
Rear fog light does not light with light control SW HEAD. (Headlight is normal.)	 Bulbs ECU-B2 Fuse Rear Fog Light Switch Wire Harness 	– BE–14 BE–45 –
Rear fog light does not light with light control SW HEAD. (Headlight does not light.)	Inspect Headlight and Taillight System Wire Harness	BE-2 -
Only one light does not light.	Bulbs Wire Harness	-

TURN SIGNAL AND HAZARD WARNING SYSTEM

Symptom	Suspect Area	See page
	1. GAUGE Fuse	BE-14
	2. TURN HAZ Fuse	BE-14
"Hazard" and "Turn" do not light up.	3. Ignition Switch	BE-23
	4. Turn Signal Flasher Relay	BE-51
	5. Wire Harness	_
Hazard warning light does not light up.	A/C Control Panel	AC-91
(Turn is normal)	2. Wire Harness	-
Turn signal does not light up.	1. Turn Signal Switch	BE-51
(Hazard is normal)	2. Wire Harness	-
	1. Turn Signal Switch	BE-51
Turn signal does not light up in one direction.	2. Wire Harness	-
Oaks and both days and Paking	1. Bulb	_
Only one bulb does not light up.	2. Wire Harness	-

INTERIOR LIGHT SYSTEM

Symptom	Suspect Area	See page
All the lights do not come ON.	DOME Fuse	BE-14
The driver door courtesy light does not come ON when the driver's door is opened.	Driver's Door Courtesy Switch Wire Harness Body ECU	BE-57 - -
The passenger door courtesy light does not come ON when the passenger's door is opened.	Passenger's Door Courtesy Switch Wire Harness Body ECU	BE-57 - -
The room light does not come on when the rear-right door is opened.	 Rear-Right Door Courtesy Switch Wire Harness Body ECU Room Light 	BE-57 - - -
The room light does not come on when the rear-left door is opened.	 Rear-Left Door Courtesy Switch Wire Harness Body ECU Room Light 	BE-57 - - -
Only one of the bulbs comes ON.	Bulb	-
The illumination does not fade out when all the doors are closed.	 Courtesy Switch Wire Harness Body ECU 	BE-57 - -
The illumination does not fade out immediately when the ignition switch is turned to ACC or ON within 15 seconds after all the doors are closed.	 Ignition Switch RADIO NO.2 Fuse GAUGE Fuse Wire Harness Body ECU 	BE-23 BE-14 BE-14 -
The illumination does not fade out immediately when all the doors are locked within 15 seconds after they are closed.	 Door Unlock Detection Switch Wire Harness Body ECU 	BE-114 - -
Interior light does not light up. (in front personal light)	 Bulb Front Personal Light Wire Harness 	- BE-57 -
Front personal light does not light up.	Bulb Front Personal Light Wire Harness	- BE-57 -
Rear personal light does not light up.	Bulb Rear Personal Light Wire Harness	- BE-57 -
Vanity light does not light up.	Bulb Vanity Light Wire Harness	- BE-57 -
Luggage compartment light does not light up.	Bulb Luggage Compartment Door Courtesy Switch Wire Harness	– BE–57 –
Courtesy light does not light up.	Bulb Door Courtesy Switch Wire Harness Body ECU	- BE-57 - -

BACK-UP LIGHT SYSTEM

Symptom	Suspect Area	See page
Back-Up Light does not light up.	 GAUGE Fuse Ignition Switch Wire Harness Bulb 	BE-14 BE-23 -
Back-Up Light remains always on.	Neutral Start Switch Wire Harness	DI-204 -
Only one light does not light up.	Bulb Wire Harness	- -

STOP LIGHT SYSTEM

Symptom	Suspect Area	See page
Stop light does not light up.	 STOP Fuse Stop Light Switch Light Failure Relay Wire Harness 	BE-14 BE-65 BE-83
Stop light always lights up.	Stop Light Switch Wire Harness	BE-65 -
Only one light always lights up.	Wire Harness	_
Only one light does not light up.	Bulb Wire Harness	-

HEADLIGHT CLEANER SYSTEM

Symptom	Suspect Area	See page
	1. H-LP CLN Fuse	BE-14
	2. WASHER Fuse	BE-14
	3. Ignition Switch	BE-23
"Headlight Cleaner System" does not operate	4. Headlight Cleaner Switch	BE-67
(AII)	5. Headlight Cleaner Relay	BE-67
	6. Headlight Cleaner Motor	BE-67
	7. Headlight Cleaner Nozzle and Hose	-
	8. Wire Harness	_
Washer fluid does not spray.	Headlight Cleaner Nozzle and Hose	_

WIPER AND WASHER SYSTEM

Symptom	Suspect Area	See page
Wipers and washer do not operate.	 WIP Fuse Wiper Switch Wiper Motor Wire Harness 	BE-14 BE-71 BE-71
Wipers do not operate in LO, HI or MIST.	 Wiper Switch Wiper Motor Wire Harness 	BE-71 BE-71
Wipers do not operate in INT.	 Wiper Switch Wiper Motor Wire Harness 	BE-71 BE-71
Washer motor does not operate.	 WASHER Fuse Washer Switch Washer Motor Wire Harness 	BE-14 BE-71 BE-71
Wipers do not operate when washer switch ON.	WASHER Fuse Washer Switch Wiper Motor Wire Harness	BE-14 BE-71 BE-71

Washer fluid does not operate.	Washer Hose and Nozzle	_
When wiper switch is in HI position, the wiper blade is in contact		
with the body.	1. Wiper Motor *1	BE-71
When the wiper switch is OFF, the wiper blade does not retract	2. Wire harness *1	-
or the retract position is wrong.		

^{*1:} Inspect wiper arm and blade set positions.

COMBINATION METER

- This system uses the multiplex communication system, so check diagnosis system of the multiplex communication system before you proceed with troubleshooting.
- Refer to DI section for warning light or indicator light not described in the table below.

Symptom	Suspect Area	See page
Driver seat belt warning light does not light up.	 Bulb Driver Buckle Switch Clrcuit Meter Circuit Plate Wire Harness Body ECU 	- BE-83 BE-83 - DI-549
Passenger seat belt warning light does not light up. (in A/C control panel)	 Passenger Buckle Switch Clrcuit Occupant Detection Sensor A/C Control Panel Wire Harness A/C ECU 	BE-83 BE-83 DI-667 - DI-667
SRS warning light does not light up.	 MPX-B Fuse SRS-B Fuse Bulb Meter Circuit Plate Wire Harness Airbag Sensor Assembly 	BE-14 BE-14 - BE-83 - DI-285
Hi-beam indicator light does not light up.	 Bulb Meter Circuit Plate Wire Harness Headlight System 	BE-83 - BE-30
Turn indicator light does not light up.	 Bulb Meter Circuit Plate Wire Harness Turn Signal and Hazard Warning System 	BE-83 - BE-30
ABS warning light does not light up.	 GAUGE Fuse Bulb Meter Circuit Plate Wire Harness ABS ECU 	BE-14 - BE-83 - DI-221
TRC warning light does not light up.	 GAUGE Fuse Bulb Meter Circuit Plate Wire Harness ABS ECU 	BE-14 - BE-83 - DI-221
Check engine warning light does not light up.	 Bulb Meter Circuit Plate Wire Harness Engine and ECT ECU 	- BE-83 - DI-1
Fuel level warning light does not light up.	 Bulb Fuel Level Warning Switch Meter Circuit Plate Wire Harness 	BE-83 BE-83

DEFOGGER SYSTEM

This system uses the multiplex communication system, so check diagnosis system of the multiplex communication system before you proceed with troubleshooting.

Symptom	Suspect Area	See page
	1. HTR Fuse	BE-14
	2. DEF M-Fuse	BE-14
	3. Defogger Relay Circuit	DI-605
	4. Defogger Switch (in A/C Panel Switch)	DI-667
Rear window defogger does not operate.	5. Defogger Wire	BE-96
	6. Wire Harness	_
	7. Body ECU	DI-549
	8. Noise Filter	_
	9. A/C ECU	DI-667
Mirror heater does not operate.	1. MIR-HTR Fuse (Passenger Side J/B)	BE-14
	2. Mirror Heater Relay	BE-96
	3. Mirror Heater	BE-96
	4. Wire Harness	_

POWER WINDOW CONTROL SYSTEM

Symptom	Suspect Area	See page
All the power windows do not operate. (Power Door Lock System is normal.)	 Power Window Master Switch Wire Harness Body ECU 	BE-109 - DI-549
Only the driver's window does not operate.	 Power Window Master Switch Power Window Switch Power Window Motor Wire Harness 	BE-109 BE-109 BE-109
"Window lock function" does not operate.	1. Power Window Master Switch	BE-109
Power window control system abnormal operation.	TROUBLESHOOTINGS	BE-99

POWER DOOR LOCK CONTROL SYSTEM

This system uses the multiplex communication system, so check diagnosis system of the multiplex communication system before you proceed with troubleshooting.

Symptom	Suspect Area	See page
All the doors cannot be locked or unlocked. (Power Window Control System is normal.)	 Door Lock Control Switch Wire Harness Body ECU 	BE-114 - DI-549
Only one side door lock control does not operate.	Door Lock Motor Wire Harness	BE-114 -
Door key related function does not operate.	Door Key Lock and Unlock Switch Wire Harness Body ECU	BE-114 - DI-549
Key confinement prevention function does not operate.	Key Unlock Warning Switch Door Courtesy Switch Wire Harness Body ECU	BE-23 BE-57 - DI-549
Luggage compartment door opener function does not operate.	 Luggage Compartment Door Opener Switch Luggage Compartment Door Opener Motor Wire Harness Body ECU 	BE-114 BE-114 - DI-549

DEAD LOCK SYSTEM

This system uses the multiplex communication system, so check diagnosis system of the multiplex communication system before you proceed with troubleshooting.

Symptom	Suspect Area	See page
All the doors dead lock system does not operate.	 MPX-B Fuse DOOR DL Fuse ECU-B Fuse Wire Harness * Double Locking ECU Body ECU 	BE-14 BE-14 BE-114 - BE-121
Only one side dead lock system does not operate (or abnormal).	Dead Lock Motor Double Locking Switch Wire Harness Double Locking ECU	BE-121 BE-121 - BE-121

^{*:} Body ECU sends a dead lock set/release signal to the dead lock ECU after it has received the wireless lock/unlock signal from the wireless receiver.

Check continuity in wire harness (communication line) between the theft deterret ECU and dead lock ECU, dead lock ECU and body ECU after checking there is no communication stop diagnosis code between Body ECU and any other ECU.

THEFT DETERRENT SYSTEM

- This system uses the multiplex communication system, so check diagnosis system of the multiplex communication system before you proceed with troubleshooting.
- Refer to DI section for warning light or indicator light not described in the table below.

Symptom	Suspect Area	See page
The system cannot be set.	 Indicator Light Key Unlock Warning Switch Door Unlock Detection Switch Engine Hood Courtesy Switch Luggage Compartment Door Courtesy Switch 	BE-124 BE-23 BE-114 BE-124 BE-57
The system cannot be canceled when the ignition switch is turned to ON with key.	 6. Wire Harness 7. Theft Deterrent ECU 1. Key Unlock Warning Switch 2. Ignition Switch 3. RAD NO.2 Fuse 	DI-428 BE-23 BE-23 BE-14
The system cannot be canceled when the luggage compartment	4. Wire Harness 5. Theft Deterrent ECU 1. Luggage Compartment Door Courtesy Switch 2. Wire Harness	DI-428
door is unlocked with key. The system does not operate when the engine hood is opened.	Theft Deterrent ECU Engine Hood Courtesy Switch Wire Harness	DI-428 BE-124
The system does not operate when the ignition switch is turned to ACC without using a key or transmitter.	 Theft Deterrent ECU Ignition Switch Key Unlock Warning Switch Transmitter Wire Harness Theft Deterrent ECU 	DI-428 BE-23 BE-23 BE-132 - DI-428
Some of the system does not operate. (Headlight does not light up.)	Headlight System Wire Harness Theft Deterrent ECU	BE-2 - DI-428
Some of the system does not operate. (Taillight does not light up.)	Taillight System Wire Harness Theft Deterrent ECU	BE-2 - DI-428
Some of the system does not operate. (Self power siren or Horn does not sound.)	 HORN Fuse Self Power Siren Horn Horn Relay Wire Harness Theft Deterrent ECU 	BE-14 BE-124 BE-203 BE-203 - DI-428
While the warning is given, the system cannot be canceled by unlocking the door with key or transmitter.	Door Key Lock and Unlock Switch Wire Harness Theft Deterrent ECU	BE-114 - DI-428
While the warning is given, the system cannot be canceled by turning the ignition switch to ACC or ON with key.	1. Ignition Switch 2. Key Unlock Warning Switch 3. RAD NO.2 Fuse 4. ECU-IG Fuse 5. Wire Harness 6. Theft Deterrent ECU	BE-23 BE-23 BE-14 BE-14 - DI-428
The system operates for more than 30 seconds.	Theft Deterrent ECU	DI-428

WIRELESS DOOR LOCK CONTROL SYSTEM

This system uses the multiplex communication system, so check diagnosis system of the multiplex communication system before you proceed with troubleshooting.

HINT:

- Troubleshooting of the wireless door lock control system is based on the premise that the door lock control system is operating normally. Accordingly, before troubleshooting the wireless door lock control system, first make certain that the door lock control system is operating normally.
- If the trouble still reappears even though there are no abnormalities in any of the other circuits, then check and replace the Wireless Door Lock Control Receiver as the last step.

Symptom	Suspect Area	See page
All functions of wireless door lock control system do not operate.	1. Transmitter	BE-132
	2. Wireless Door Lock Control Receiver	BE-132
	3. Wire Harness	-
	4. Body ECU	DI-549

POWER SEAT CONTROL SYSTEM

Symptom	Suspect Area	See page
Driver's seat does not operate.	 P/SEAT Fuse Power Seat Switch Wire Harness 	BE-14 BE-146 -
"Slide operation" does not operate.	 Power Seat Switch Wire Harness Slide Motor 	BE-146 - BE-146
"Front Vertical Operation" does not operate.	Power Seat Switch Wire Harness Front Vertical Motor	BE-146 - BE-146
"Lifter Operation" does not operate.	Power Seat Switch Wire Harness Lifter Motor	BE-146 - BE-146
"Reclining Operation" does not operate.	Power Seat Switch Wire Harness Reclining Motor	BE-146 - BE-146

(D): Driver's Seat

(P): Passenger's Seat

POWER MIRROR CONTROL SYSTEM

Symptom	Suspect Area	See page
Both right and left mirrors do not operate.	Mirror Switch Wire Harness	BE-152 -
Only one side of mirror does not operate.	Mirror Motor Wire Harness	BE-152 -

SEAT HEATER SYSTEM

Symptom	Suspect Area	See page
Driver's seat heater does not operate.	 SEAT HTR Fuse Seat Heater Switch (D, P) Seat Heater Wire Harness 	BE-14 BE-156 BE-156
Passenger's seat heater does not operate.	 SEAT HTR Fuse Seat Heater Switch (D, P) Seat Heater Wire Harness 	BE-14 BE-156 BE-156
Seat heater temperature is too hot.	Seat Heater	BE-156

AUDIO SYSTEM

Symptom	Suspect Area	See page
Audio system abnormal operation.	TROUBLESHOOTINGS	BE-165

CLOCK SYSTEM (in A/C Control Panel)

Symptom	Suspect Area	See page
Passenger seat belt warning system does not light up.	TROUBLESHOOTING NO.1	BE-196
Clock will not operate.	TROUBLESHOOTING NO.1	BE-196
Clock loses or gains time.	TROUBLESHOOTING NO.2	BE-196

ENGINE IMMOBILIZER SYSTEM

Symptom	Suspect Area	See page
Engine immobilizer system does not operate.	See DIAGNOSIS SYSTEM	DI-504

HORN SYSTEM

Symptom	Suspect Area	See page
	1. HORN Fuse	BE-14
Horn system does not operate.	2. Horn Relay	BE-203
	3. Horn Switch	BE-203
	4. Horn	BE-203
	5. Wire Harness	_
	1. Horn Relay	BE-203
Horns blow all the time.	2. Horn Switch	BE-203
	3. Wire Harness	-
	1. Horn	BE-203
One horn operates but the other horn does not operate.	2. Wire Harness	_
Horns operate abnormally.	1. Horn Relay	BE-203
	2. Horn	BE-203
	3. Wire Harness	_