BE01J-09

PROBLEM SYMPTOMS TABLE

IGNITION SWITCH

This system uses the body control system, so check the body control system before you proceed with troubleshooting(See page DI-767).

Symptom	Suspect Area	See page
Ignition switch is not set to each position.	Ignition switch	BE-20
	2. Power source circuit	_

IGNITION KEY ILLUMINATION

This system uses the body control system, so check the body control system before you proceed with troubleshooting(See page DI-767).

Symptom	Suspect Area	See page
	1. Bulb	_
	2. Instrument Panel ECU	DI-767
	3. Wire Hauness	_

KEY UNLOCK WRNING SWITCH

This system uses the body control system, so check the body control system before you proceed with troubleshooting(See page DI-767).

Symptom	Suspect Area	See page
Key unlock warning system does not operate.	Key Unlock Warning Switch	BE-20
(The buzzer does not sound when the driver's door is opened with	2. Door Courtesy Switch	BE-49
the ignition OFF and key inserted)	3. Wire Harness	-
Key unlock warning system does not operate.	1. Ignition Switch	BE-20
(The buzzer sounds when the ignition key is ACC or ON)	2. Wire Harness	_

HEADLIGHT AND TAILLIGHT SYSTEM (w/o Daytime Running Light System)

This system uses the body control system, so check the body control system system before you proceed with troubleshooting(See page DI-767).

HINT:

To inspect the bulb and light control ECU, replace them with the ones working normally and judge whether they work normally or not.

Symptom	Suspect Area	See page
"Automatic light control system" does not operate.	 Automatic Light Control Sensor Light Control Switch Door Courtesy Switch Wire Harness 	BE-26 BE-26 BE-49
Auto turn -off system does not operate when the driver's door is opened.	Drivers Door Courtesy Switch	BE-49
Auto turn -off system: Headlight and taillight do not come on.	 Instrument Panel ECU Wire Harness 	DI-767 -
Auto turn -off system: Headlight and taillight stay on.	Instrument Panel ECU Wire Harness	DI-767 -
Only one headlight comes on.	 Bulb *Light Control ECU Wire Harness 	-
"LO-Beam" does not light (All).	 Headlight Control Relay *Light Control ECU Wire Harness 	BE-26 - -

"LO-Beam" does not light (One side).	 Bulb H -LPL -LWR Fuse H -LPR -LWR Fuse *Light Control ECU 	- - - -
	5. Wire Harness	-
"HI-Beam" does not light (All).	 Headlight Dimmer Switch Wire Harness 	BE-26 -
"HI-Beam" does not light (One side).	 Bulb H -LPL -UPRFuse H -LPR -UPRFuse Wire Harness 	- - - -
"Flash" does not light.	 1.H -LPL -UPRFuse 2.H -LPR -UPRFuse 3. Headlight Dimmer Switch 4. *Light Control ECU 5. Wire Harness 	- - BE-26 -
"Flash" does not light.	 Bulb *Light Control ECU Wire Harness 	- - -
Headlight does not come on.	 Headlight Control Relay Light Control Switch *Light Control ECU Wire Harness 	BE-26 BE-26 -
Headlight does not come on.	 Bulb *Light Control ECU Wire Harness 	- - -
Headlight flickers.	 Bulb *Light Control ECU Wire Harness 	1 1
Headlight is dark.	 Bulb *Light control ECU 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 Control Switch Wire Harness 	- - BE-26 BE-26
Taillight does not come on.	Light Control Switch Wire Harness	BE-26
(Headlight does not light) Rear combination light does not come on.	Nire Harness Sulb Wire Harness	- -

^{*:} HID Type

HEADLIGHT AND TAILLIGHT SYSTEM (w/ Daytime Running Light System)

This system uses the body control system, so check the body control system system before you proceed with troubleshooting(See page DI-767).

HINT:

To inspect the bulb and light control ECU, replace them with the ones working normally and judge whether they work normally or not.

Symptom	Suspect Area	See page
"Automatic light control system" does not operate.	 Automatic Light Control Sensor Light Control Switch Door Courtesy Switch Wire Harness 	BE-26 BE-26 BE-49
Auto turn -off system does not operate when the driver's door is opened.	Drivers Door Courtesy Switch	BE-49
Autoturn -offsystem: Headlight and taillight do not come on.	 Instrument Panel ECU Wire Harness 	DI-767 -
Auto turn –offsystem: Headlight and taillight stay on.	 Instrument Panel ECU Wire Harness 	DI-767 -
Only one headlight comes on.	 Daytime Running Light No.2, 3, 4 Relay Daytime Running Light Main Relay Bulb *Light Control ECU Wire Harness 	BE-26 BE-26 - - -
"LO-Beam" does not light (All).	 Headlight Control Relay *Light Control ECU Wire Harness 	BE-26 -
"LO-Beam" does not light (One side).	 Bulb H -LPL -LWRFuse H -LPR -LWRFuse *Light Control ECU Wire Harness 	- - - -
"HI-Beam" does not light (All).	 Headlight Dimmer Switch Daytime Running Light Main Relay Wire Harness 	BE-26 BE-26
"HI-Beam" does not light (One side).	 Bulb H -LPL -UPRFuse H -LPR -UPRFuse Daytime Running Light No.3 Relay Wire Harness 	- - - BE-26
"Flash" does not light.	 Headlight Dimmer Switch Daytime Running Light Main Relay Wire Harness 	BE-26 BE-26
Headlight does not come on.	 Headlight Control Relay Daytime Running Light Main Relay Daytime Running Light No.2, 3, 4 Relay Headlight Dimmer Switch Light Control Switch Wire Harness *Light Control ECU Bulb 	BE-26 BE-26 BE-26 BE-26 BE-26
Headlight does not come on with light control switch in HEAD.	Light Control Switch 2.*Light Control ECU Wire Harness	BE-26 - -

Headlight does not go out with light control switch in OFF.	Headlight Control Relay *Light Control ECU Wire Harness	BE-26 - -
Headlight flickers.	 Bulb *Light Control ECU Wire Harness 	
Headlight is dark.	 Bulb *Light control ECU Wire Harness 	- - -
Taillight does not come on with light control switch in TAIL.	Taillight Control Relay Light Control Switch Wire Harness	BE-26 BE-26
Taillight does not go out with light control switch in OFF.	Taillight Control Relay Light Control Switch Wire Harness	BE-26 BE-26
Headlight does not come on with engine running and light control switch in OFF.	 1. ECU -B Fuse 2. GAUGE Fuse 3. Daytime Running Light Main Relay 4. Daytime Running Light No.2, 3, 4 Relay 5. Alternator L Terminal 6. Parking Brake Switch 7. Wire Harness 	- BE-26 BE-26 - BE-78

*: HID Type

HEADLIGHT BEAM LEVEL CONTROL SYSTEM

Symptom	Suspect Area	See page
Headlight beam level control system does not operate. (All)	1.H -LPRLWRFuse 2. Headlight beam level control Switch 3. Headlight beam level control Actuator 4. Wire Harness	– BE–35 BE–35 –
Headlight beam level control system does not operate. (One side)	Headlight beam level control Switch Headlight beam level control Actuator Wire Harness	BE-35 BE-35 -
Abnormal operation. (All)	Headlight beam level control Switch Headlight beam level control Actuator Wire Harness	BE-35 BE-35
Abnormal operation. (One side)	Headlight beam level control Switch Headlight beam level control Actuator Wire Harness	BE-35 BE-35

FOG LIGHT SYSTEM

Symptom	Suspect Area	See page
Front fog light does not light up with light control SW HEAD (Headlight is normal.)	1. FOG Fuse 2. Fog Light Relay 3. Fog Light Switch 4. Wire Harness	– BE–38 BE–38 –
Front fog light does not light up with light control SW HEAD (Headlight does not light).	Other Parts Wire Harness	-
Only one front fog light does not light up.	Bulb Wire Harness	-
Rear fog light does not light with light control switch TAIL or HEAD. (Headlight is normal.)	1. Bulb 2. DOME Fuse 3. Rear fog light switch 4. Wire Harness	- - BE-38 -

Rear fog light does not light with light control switch TAIL or HEAD. (Headlight does not light.)	 *1Other Parts Wire Harness 	-
Only one rear fog light does not light.	1. Bulb	_
	2. Wire Harness	-

^{*1:} Inspect Headlight System

TURN SIGNAL AND HAZARD WARNING SYSTEM

Symptom	Suspect Area	See page
"Hazard" and "Turn" do not light up.	 GAUGE Fuse TURN HAZ Fuse Ignitioin Switch Turn Signal Flasher Relay Wire Harness 	- - BE-20 BE-43 -
Hazard warning light does not light up. (Turn is normal)	Hazard Warning Switch Wire Harness	BE-43 -
Turn signal does not light up. (Hazard is normal)	Turn Signal Switch Wire Harness	BE-43 -
Turn signal does not light up in one direction.	Turn Signal Switch Wire Harness	BE-43 -
Only one bulb does not light up.	Bulb Wire Harness	- -

INTERIOR LIGHT SYSTEM

This system uses the body control system, so check the body control system before you proceed with troubleshooting(See page DI-767).

Symptom	Suspect Area	See page
All the lights do not come ON.	 DOME Fuse Instrument Panel ECU DOME Relay(Driver Side J/B) 	– DI–767 BE–14
The light does not come ON when the driver's door is opened.	Driver's Door Courtesy Switch Wire Harness	BE-49 -
The light does not come ON when the passenger's door is opened.	Passenger's Door Courtesy Switch Wire Harness	BE-49 -
The light does not come on when the rear-right door is opened.	Rear–Right Door Courtesy Switch Wire Harness	BE-49 -
The light does not come on when the rear-left door is opened.	Rear–Left Door Courtesy Switch Wire Harness	BE-49 -
Only one of the bulbs comes ON.	Bulb	-
The illumination does not fade out when all the doors are closed.	 Courtesy Switch Wire Harness Instrument Panel ECU 	BE-49 - DI-767
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 Instrument Panel ECU Wire Harness 	BE-20 - - DI-767 -
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	BE-111 -
Room light does not light up. (w/o Sliding Roof)	 Bulb Room Light Rear Parsonl Light Wire Harness 	– BE–49 BE–49

Room light does not light up. (w/ Sliding Roof)	 Bulb Room Light Rear Parsonl Light Wire Harness 	- BE-49 BE-49 -
Front personal light does not light up. (w/o Sliding Roof)	 Bulb Front Personal Light Room Light Wire Harness 	– BE–49 BE–49
Front personal light does not light up. (w/ Sliding Roof)	 Bulb Front Personal Light Room Light Wire Harness 	– BE–49 BE–49
Rear Room light does not light up.	 Bulb Rear Room Light Wire Harness 	– BE–49 –
Vanity light does not light up.	 Bulb Vanity Light Wire Harness 	– BE–49 –
Glove compartment light does not light up.	 Bulb Glove Compartment Courtesy Switch Wire Harness 	– BE–49 –
Courtesy light does not light up.	 Bulb Door Courtesy Switch Wire Harness 	– BE–49 –

BACK-UP LIGHT SYSTEM

Symptom	Suspect Area	See page
Back-Up Light does not light up.	 GAUGE Fuse Ignition Switch Wire Harness Bulb 	BE-20 - -
Back-Up Light remains always on.	 Neutral Start Switch Wire Harness 	DI-51 -
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 Wire Harness 	– BE–58 –
Stop light always lights up.	Stop Light Switch Wire Harness	BE-58 -
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. HEAD CLEANER Fuse	-
	2. WIPER Fuse	_
	3. Ignition Switch	BE-20
"Headlight Cleaner System" does not operate	4. Headlight Cleaner Switch	BE-60
(AII)	5. Headlight Cleaner Relay	BE-60
	6. Headlight Cleaner Motor	BE-60
	7. Headlight Cleaner Nozzle and Hose	-
	8. Wire Harness	-
Washer fluid does not spray.	Headlight Cleaner Nozzle and Hose	-

WIPER AND WASHER SYSTEM

This system uses the body control system, so check the body control system before you proceed with troubleshooting(See page DI-767).

Symptom	Suspect Area	See page
Front wiper and washer do not operate.	 WIPER Fuse Wiper Switch Wiper Motor Wire Harness 	BE-64 BE-64
Front wiper does not operate in LO, HI or MIST.	 Wiper Switch Wiper Motor Wire Harness 	BE-64 BE-64
Front wiper does not operate in INT.	 Wiper Switch Wiper Motor Wire Harness 	BE-64 BE-64
Front washer motor does not operate.	 WASHER Fuse Washer Switch Washer Motor Wire Harness 	- BE-64 BE-64 -
Front wiper does not operate when washer switch ON.	 WASHER Fuse Washer Switch Wiper Motor Wire Harness 	BE-64 BE-64
Rear wiper does not operate.	 WIPER Fuse Rear Wiper Motor Rear Wiper Switch Rear Wiper Relay Instrument Panel ECU Wire Harness 	BE-64 BE-64 BE-64 DI-767
Rear wiper does not operate in INT or ON position.	Rear Wiper Switch Instrument Panel ECU Wire Harness	BE-64 DI-767
Rear wiper does not return to OFF position.	Rear Wiper Motor Wire Harness	BE-64 -
Rear Washer Motor does not operate.	 Rear Washer Motor Rear Washer Switch Wire Harness 	BE-64 BE-64
Washer fluid does not operate.	Washer Hose and Nozzle	-

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

METER GAUGES AND ILLUMINATION

Symptom	Suspect Area	See page
Tachometer, Fuel Gauge and Engine Coolant Temperature Gauge do not operate.	 GAUGE Fuse Meter Circuit Plate Wire Harness 	- BE-73 -
Speedometer does not operate.	 Speed Sensor Meter Circuit Plate Wire Harness 	BE-78 BE-73
Tachometer does not operate.	 Igniter Meter Circuit Plate Wire Harness 	- BE-73 -
Fuel Gauge does not operate or abnormal operation.	 Fuel Receiver Gauge Fuel Sender Gauge Meter Circuit Plate Wire Harness 	BE-78 BE-78 BE-73
Oil Pressure Gauge does not operate.	 Oil Pressure Receiver Gauge Oil Pressure Sender Gauge Meter Circuit Plate Wire Harness 	BE-78 BE-78 BE-73
Voltmeter does not operate.	Voltmeter Meter Circuit Plate Wire Harness	BE-78 BE-73 -
Engine Coolant Temperature Gauge does not operate or abnormal operation	 Engine Coolant Temperature Receiver Gauge Engine Coolant Temperature Sender Gauge Meter Circuit Plate Wire Harness 	BE-78 BE-78 BE-73
All illumination lights do not light up.	Light Control Rheostat Wire Harness	BE-78 -
Brightness does not change even when rheostat turned.	Bulb Wire Harness	- -
Only one illumination light does not light up.	Bulb Wire Harness	-

WARNING LIGHT

Symptom	Suspect Area	See page
Warning lights do not light up. (Except Discharge, Open Door and SRS)	 GAUGE Fuse Meter Circuit Plate Wire Harness 	– BE–73 –
Fuel Level warning light does not light up.	 Bulb Meter Circuit Plate Fuel Sender Gauge Wire Harness 	– BE–73 BE–78 –
ABS warning light does not light up.	 Bulb ABS ECU Wire Harness 	– DI–310 –
Seat Belt warning light does not light up.	 Bulb Seat Belt Buckle Switch Wire Harness Body ECU 	– BE–78 BE–78 DI–767
Discharge warning light does not light up.	 IGN Fuse Bulb Wire Harness Alternator 	- - -

Brake warning light does not light up.	 Bulb Parking Brake Switch Brake Fluid Level Warning Switch Bulb Check Relay Meter Circuit Plate 	BE-78 BE-78 BE-78 BE-73
SRS Warning light does not light up.	 Wire Harness ECU-B Fuse Bulb Airbag Sensor Assembly Meter Circuit Plate Wire Harness 	- - - DI-445 BE-73
Open Door warning light does not light up.	 DOME Fuse Bulb Door Courtesy Switch Meter Circuit Plate Wire Harness 	- BE-49 BE-73
A/T Oil Temperature warning light does not light up.	 Bulb Meter Circuit Plate Wire Harness ECM 	– BE-78 BE-73

INDICATOR LIGHT

Symptom	Suspect Area	See page
O/D OFF indicator light does not light up.	 Bulb O/D OFF Switch Meter Circuit Plate Wire Harness 	_ DI-61 DI-169 BE-73
Cruise Control indicator light does not light up.	 Bulb Meter Circuit Plate Wire Harness ECM 	- BE-73 - -
High beam indicator light does not light up.	 Bulb Meter Circuit Plate Wire Harness Headlight System 	- BE-73 - BE-21
Turn indicator light does not light up.	 Bulb Meter Circuit Plate Wire Harness Turn Signal and Hazard Warning System 	- BE-73 - BE-41
Shift indicator lights do not light up.	 Bulb Meter Circuit Plate Neutral Start Switch Wire Harness 	- BE-73 DI-51 DI-151
Only one shift indicator does not light up.	Bulb Meter Circuit Plate	- BE-73
Malfunction indicator light does not light up.	 Bulb Meter Circuit Plate Wire Harness ECM 	BE-73 - -

ECT PWR indicator light does not light up.	 Bulb ECT Pattern Select Switch Meter Circuit Plate Wire Harness ECT System 	- - BE-73 - DI-1 DI-77
2nd Start ETCS indicator light does not light up.	 Bulb Meter Circuit Plate Wire Harness ECM 	– BE–73 –
Rear Diff. Lock indicator light does not light up.	 Bulb Meter Circuit Plate Rear Diff. Lock Detection Switch Wire Harness 	- BE-73 SA-253 SA-262
Center Diff. Lock indicator light does not light up.	 Bulb Meter Circuit Plate Transfer 4WD Position Detection Switch Wire Harness 	– BE–73 TR–53 TR–51
Indicator lights do not light up. (Except Turn, Hi-beam and security)	 GAUGE Fuse Wire Harness 	_ _ _

DEFOGGER SYSTEM

Symptom	Suspect Area	See page
All defogger systems do not operate.	 DEFOG M-Fuse Defogger Relay Defogger Switch (Integration Control Panel Assembly) Wire Harness 	- BE-95 BE-95 -
Rear window defogger does not operate.	 Defogger Wire Choke Coil Wire Harness 	BE-95 - -
Mirror defogger does not operate.	 MIR/HTR Fuse Mirror Heater Relay Mirror Defogger Wire Harness 	– BE–95 BE–95

POWER WINDOW 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 power windows do not operate. (Power Door Lock System is normal.)	 POWER M-Fuse Power Window Master Switch Wire Harness 	- BE-103 -
Only the driver's window does not operate.	 Power Window Master Switch Power Window Switch Power Window Motor Wire Harness 	BE-103 BE-103 BE-103
"Window lock function" does not operate.	Power Window Master Switch	BE-103
One touch power window does not move up and down. (Prepare normal master switch).	TROUBLESHOOTING NO.1	BE-98
During AUTO UP operation, the power window moves down.	TROUBLESHOOTING NO.2	BE-98
The DOWN function does not work though some other objects are caught in the power window glass.	TROUBLESHOOTING NO.3	BE-98

POWER DOOR LOCK CONTROL SYSTEM

This system uses the body control system, so check diagnosis system of the body control 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.)	 POWER Fuse Door Lock Control Switch Door Relay (L), (U) Wire Harness Body ECU 	– BE–111 BE–111 – DI–767
Only one side door lock control does not operate.	Door Lock Motor Wire Harness	BE-111 -
Door key related function does not operate.	 Door Key Lock and Unlock Switch Wire Harness Body ECU 	BE-111 - DI-767
Key confinement prevention function does not operate.	 Key Unlock Warning Switch Door Courtesy Switch Wire Harness 	BE-20 BE-49 -

POWER SEAT CONTROL SYSTEM

Symptom	Suspect Area	See page
Both Driver and Passenger Power seats do not operate. (Door lock does not operate.)	 ALT M-Fuse Wire Harness 	
Driver's seat does not operate.	 POWER Fuse Power Seat Switch (D) Wire Harness 	- BE-122 -
Passenger's seat does not operate.	 POWER Fuse Power Seat Switch (P) Wire Harness 	- BE-122 -
"Slide operation" does not operate.	 Power Seat Switch (D, P) Wire Harness Slide Motor (D, P) 	BE-122 - BE-122
"Front Vertical Operation" does not operate.	 Power Seat Switch (D, P) Wire Harness Front Vertical Motor (D, P) 	BE-122 - BE-122
"Lifter Operation" does not operate.	 Power Seat Switch (D, P) Wire Harness Lifter Motor (D, P) 	BE-122 - BE-122
"Reclining Operation" does not operate.	 Power Seat Switch (D, P) Wire Harness Reclining Motor (D, P) 	BE-122 - BE-122
"Lumbar Support Operation" does not operate.	 Power Seat Switch (D) Wire Harness Lumbar Support Motor (D) 	BE-122 - BE-122

(D): Driver's Seat

(P): Passenger's Seat

POWER MIRROR CONTROL SYSTEM

Symptom	Suspect Area	See page
Mirror does not operate.	 MIRR Fuse CIGAR Fuse ECU-IG Fuse Mirror Switch Wire Harness 	- - - BE-130
Mirror operates abnormally.	 Mirror Switch Mirror Motor Wire Harness 	BE-130 BE-130 -

SEAT HEATER SYSTEM

Symptom	Suspect Area	See page
Seat heaters do not operate. (Driver's and Passenger's)	 SEAT HTR Fuse Seat Heater Switch (D, P) Wire Harness Seat Heater 	– BE–137 – BE–137
Driver's seat heater does not operate.	 Seat Heater Switch (D, P) Wire Harness 	BE-137 -
Passenger's seat heater does not operate.	Seat Heater Switch (D, P) Wire Harness	BE-137 -
Seat heater temperature is too hot.	Seat Heater	BE-137

AUDIO SYSTEM

Symptom	Suspect Area	See page
Audio system abnormal operation.	TROUBLESHOOTINGS	BE-142

CLOCK SYSTEM

Symptom	Suspect Area	See page
Passenger seat belt warning system does not light up.	TROUBLESHOOTING NO.1	BE-171
Clock will not operate.	TROUBLESHOOTING NO.1	BE-171
Clock loses or gains time.	TROUBLESHOOTING NO.2	BE-171

ENGINE IMMOBILIZER SYSTEM

Symptom	Suspect Area	See page
Engine immobilizer system does not operate.	See DIAGNOSIS SYSTEM	DI-745

HORN SYSTEM

Symptom	Suspect Area	See page
Horn system does not operate.	 HORN Fuse Horn Relay Horn Switch Horn Wire Harness 	_ BE-183 BE-183 BE-183 -
Horns blow all the time.	 Horn Relay Horn Switch Wire Harness 	BE-183 BE-183 -
One horn operates but the other horn does not operate.	Horn Wire Harness	BE-183 -
Horns operate abnormally.	 Horn Relay Horn Wire Harness 	BE-183 BE-183 -