

TROUBLESHOOTING

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-737](#)).

Symptom	Suspect Area	See page
Ignition switch is not set to each position.	1. Ignition switch 2. Power source circuit	BE-26 –

IGNITION KEY ILLUMINATION

This system uses the body control system, so check the body control system before you proceed with troubleshooting(See page [DI-737](#)).

Symptom	Suspect Area	See page
Ignition key illumination does not lights up.	1. Bulb 2. Instrument Panel ECU 3. Wire Hauness	– DI-737 –

KEY UNLOCK WARNING SWITCH

This system uses the body control system, so check the body control system before you proceed with troubleshooting(See page [DI-737](#)).

Symptom	Suspect Area	See page
Key unlock warning system does not operate. (The buzzer does not sound when the driver's door is opened with the ignition OFF and key inserted)	1. Key Unlock Warning Switch 2. Door Courtesy Switch 3. Wire Harness	BE-26 BE-50 –
Key unlock warning system does not operate. (The buzzer sounds when the ignition key is ACC or ON)	1. Ignition Switch 2. Wire Harness	BE-26 –

HEADLIGHT AND TAILLIGHT SYSTEM

This system uses the body control system, so check the body control system system before you proceed with troubleshooting(See page [DI-737](#)).

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.	1. Automatic Light Control Sensor 2. Light Control Switch 3. Door Courtesy Switch 4. Wire Harness	BE-32 BE-32 BE-50
Auto turn-off system does not operate when the driver's door is opened.	1. Drivers Door Courtesy Switch	BE-50
Auto turn-off system: Headlight and taillight do not come on.	1. Instrument Panel ECU 2. Wire Harness	DI-737 –
Auto turn-off system: Headlight and taillight stay on.	1. Instrument Panel ECU 2. Wire Harness	DI-737 –
Only one headlight comes on.	1. Bulb 2. *Light Control ECU 3. Wire Harness	– – –
"LO-Beam" does not light (All).	1. Headlight Control Relay 2. *Light Control ECU 3. Wire Harness	BE-32 – –

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"LO-Beam" does not light (One side).	1. Bulb 2. H-LP L-LWR Fuse 3. H-LP R-LWR Fuse 4. *Light Control ECU 5. Wire Harness	- - - - -
"HI-Beam" does not light (All).	1. Headlight Dimmer Switch 2. Wire Harness	BE-32 -
"HI-Beam" does not light (One side).	1. Bulb 2. H-LP L-UPR Fuse 3. H-LP R-UPR Fuse 4. Wire Harness	- - - -
"Flash" does not light.	1. H-LP L-UPR Fuse 2. H-LP R-UPR Fuse 3. Headlight Dimmer Switch 4. *Light Control ECU 5. Wire Harness	- - BE-32 - -
"Flash" does not light.	1. Bulb 2. *Light Control ECU 3. Wire Harness	- - -
Headlight does not come on.	1. Headlight Control Relay 2. Light Control Switch 3. *Light Control ECU 4. Wire Harness	BE-32 BE-32 - -
Headlight does not come on.	1. Bulb 2. *Light Control ECU 3. Wire Harness	- - -
Headlight flickers.	1. Bulb 2. *Light Control ECU 3. Wire Harness	- - -
Headlight is dark.	1. Bulb 2. *Light control ECU 3. Wire Harness	- - -
Only one taillight comes on.	1. Bulb 2. Wire Harness	- -
Taillight does not come on. (Headlight is normal)	1. TAIL Fuse 2. GAUGE Fuse 3. Taillight Control Relay 4. Light Control Switch 5. Wire Harness	- - BE-32 BE-32 -
Taillight does not come on. (Headlight does not light)	1. Light Control Switch 2. Wire Harness	BE-32 -
Rear combination light does not come on.	1. Bulb 2. Wire Harness	- -

*: HID Type

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-42 BE-42 –
Front fog light does not light up with light control SW HEAD (Headlight does not light).	1. *1 Other Parts 2. Wire Harness	– –
Only one front fog light does not light up.	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.	1. GAUGE Fuse 2. TURN HAZ Fuse 3. Ignition Switch 4. Turn Signal Flasher Relay 5. Wire Harness	– – BE-26 BE-46 –
Hazard warning light does not light up. (Turn is normal)	1. Hazard Warning Switch 2. Wire Harness	BE-46 –
Turn signal does not light up. (Hazard is normal)	1. Turn Signal Switch 2. Wire Harness	BE-46 –
Turn signal does not light up in one direction.	1. Turn Signal Switch 2. Wire Harness	BE-46 –
Only one bulb does not light up.	1. Bulb 2. 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-737](#)).

Symptom	Suspect Area	See page
All the lights do not come ON.	1. DOME Fuse 2. Instrument Panel ECU 3. DOME Relay(Driver Side J/B)	– DI-737 BE-12
The light does not come ON when the driver's door is opened.	1. Driver's Door Courtesy Switch 2. Wire Harness	BE-50 –
The light does not come ON when the passenger's door is opened.	1. Passenger's Door Courtesy Switch 2. Wire Harness	BE-50 –
The light does not come on when the rear-right door is opened.	1. Rear-Right Door Courtesy Switch 2. Wire Harness	BE-50 –
The light does not come on when the rear-left door is opened.	1. Rear-Left Door Courtesy Switch 2. Wire Harness	BE-50 –
Only one of the bulbs comes ON.	1. Bulb	–
The illumination does not fade out when all the doors are closed.	1. Courtesy Switch 2. Wire Harness 3. Instrument Panel ECU	BE-50 – DI-737
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.	1. Ignition Switch 2. RADIO NO.2 Fuse 3. GAUGE Fuse 4. Instrument Panel ECU 5. Wire Harness	BE-26 – – DI-737 –

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The illumination does not fade out immediately when all the doors are locked within 15 seconds after they are closed.	1. Door Unlock Detection Switch 2. Wire Harness	BE-116 –
Room light does not light up. (w/o Sliding Roof)	1. Bulb 2. Room Light 3. Rear Personal Light 4. Wire Harness	– BE-50 BE-50 –
Room light does not light up. (w/ Sliding Roof)	1. Bulb 2. Room Light 3. Rear Personal Light 4. Wire Harness	– BE-50 BE-50 –
Front personal light does not light up. (w/o Sliding Roof)	1. Bulb 2. Front Personal Light 3. Room Light 3. Wire Harness	– BE-50 BE-50 –
Front personal light does not light up. (w/ Sliding Roof)	1. Bulb 2. Front Personal Light 3. Room Light 3. Wire Harness	– BE-50 BE-50 –
Rear Room light does not light up.	1. Bulb 2. Rear Room Light 3. Wire Harness	– BE-50 –
Vanity light does not light up.	1. Bulb 2. Vanity Light 3. Wire Harness	– BE-50 –
Glove compartment light does not light up.	1. Bulb 2. Glove Compartment Courtesy Switch 3. Wire Harness	– BE-50 –
Courtesy light does not light up.	1. Bulb 2. Door Courtesy Switch 3. Wire Harness	– BE-50 –

BACK-UP LIGHT SYSTEM

Symptom	Suspect Area	See page
Back-Up Light does not light up.	1. GAUGE Fuse 2. Ignition Switch 3. Wire Harness 4. Bulb	– BE-26 – –
Back-Up Light remains always on.	1. Neutral Start Switch 2. Wire Harness	DI-195 –
Only one light does not light up.	1. Bulb 2. Wire Harness	– –

STOP LIGHT SYSTEM

Symptom	Suspect Area	See page
Stop light does not light up.	1. STOP Fuse 2. Stop Light Switch 3. Wire Harness	BE-60 –
Stop light always lights up.	1. Stop Light Switch 2. Wire Harness	BE-60 –
Only one light always lights up.	1. Wire Harness	–
Only one light does not light up.	1. Bulb 2. Wire Harness	– –

HEADLIGHT CLEANER SYSTEM

Symptom	Suspect Area	See page
"Headlight Cleaner System" does not operate (All)	1. HEAD CLEANER Fuse	–
	2. WIPER Fuse	–
	3. Ignition Switch	BE-26
	4. Headlight Cleaner Switch	BE-63
	5. Headlight Cleaner Relay	BE-63
	6. Headlight Cleaner Motor	BE-63
	7. Headlight Cleaner Nozzle and Hose	–
	8. Wire Harness	–
Washer fluid does not spray.	1. 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-737](#)).

Symptom	Suspect Area	See page
Front wiper and washer do not operate.	1. WIPER Fuse	–
	2. Wiper Switch	BE-66
	3. Wiper Motor	BE-66
	4. Wire Harness	–
Front wiper does not operate in LO, HI or MIST.	1. Wiper Switch	BE-66
	2. Wiper Motor	BE-66
	3. Wire Harness	–
Front wiper does not operate in INT.	1. Wiper Switch	BE-66
	2. Wiper Motor	BE-66
	3. Wire Harness	–
Front washer motor does not operate.	1. WASHER Fuse	–
	2. Washer Switch	BE-66
	3. Washer Motor	BE-66
	4. Wire Harness	–
Front wiper does not operate when washer switch ON.	1. WASHER Fuse	–
	2. Washer Switch	BE-66
	3. Wiper Motor	BE-66
	4. Wire Harness	–
Rear wiper does not operate.	1. WIPER Fuse	–
	2. Rear Wiper Motor	BE-66
	3. Rear Wiper Switch	BE-66
	4. Rear Wiper Relay	BE-66
	5. Instrument Panel ECU	DI-737
	6. Wire Harness	–
Rear wiper does not operate in INT or ON position.	1. Rear Wiper Switch	BE-66
	2. Instrument Panel ECU	DI-737
	3. Wire Harness	–
Rear wiper does not return to OFF position.	1. Rear Wiper Motor	BE-66
	2. Wire Harness	–
Rear Washer Motor does not operate.	1. Rear Washer Motor	BE-66
	2. Rear Washer Switch	BE-66
	3. Wire Harness	–
Washer fluid does not operate.	1. 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.	1. GAUGE Fuse 2. Meter Circuit Plate 3. Wire Harness	– BE-74 –
Speedometer does not operate.	1. Speed Sensor 2. Meter Circuit Plate 3. Wire Harness	BE-79 BE-74 –
Tachometer does not operate.	1. Igniter 2. Meter Circuit Plate 3. Wire Harness	IG-1 BE-74 –
Fuel Gauge does not operate or abnormal operation.	1. Fuel Receiver Gauge 2. Fuel Sender Gauge 3. Meter Circuit Plate 4. Wire Harness	BE-79 BE-79 BE-74 –
Oil Pressure Gauge does not operate.	1. Oil Pressure Receiver Gauge 2. Oil Pressure Sender Gauge 3. Meter Circuit Plate 4. Wire Harness	BE-79 BE-79 BE-74 –
Voltmeter does not operate.	1. Voltmeter 2. Meter Circuit Plate 3. Wire Harness	BE-79 BE-74 –
Water Temperature Gauge does not operate or abnormal operation	1. Water Temperature Receiver Gauge 2. Water Temperature Sender Gauge 3. Meter Circuit Plate 4. Wire Harness	BE-79 BE-79 BE-74 –
All illumination lights do not light up.	1. Light Control Rheostat 2. Wire Harness	BE-79 –
Brightness does not change even when rheostat turned.	1. Bulb 2. Wire Harness	– –
Only one illumination light does not light up.	1. Bulb 2. Wire Harness	– –

WARNING LIGHTS

Symptom	Suspect Area	See page
Warning lights do not light up. (Except Discharge, Open Door and SRS)	1. GAUGE Fuse 2. Meter Circuit Plate 3. Wire Harness	– BE-74 –
Fuel Level warning light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Fuel Sender Gauge 4. Wire Harness	– BE-74 BE-79 –
ABS warning light does not light up.	1. Bulb 2. ABS ECU 3. Wire Harness	– DI-305 –
Seat Belt warning light does not light up.	1. Bulb 2. Seat Belt Buckle Switch 3. Wire Harness 4. Body ECU	– BE-79 BE-79 DI-737
Discharge warning light does not light up.	1. IGN Fuse 2. Bulb 3. Wire Harness 4. Generator	– – – CH-2

Brake warning light does not light up.	1. Bulb 2. Parking Brake Switch 3. Brake Fluid Level Warning Switch 4. Bulb Check Relay 5. Meter Circuit Plate 6. Wire Harness	– BE-79 BE-79 BE-79 BE-74 –
SRS Warning light does not light up.	1. ECU-B Fuse 2. Bulb 3. Airbag Sensor Assembly 4. Meter Circuit Plate 5. Wire Harness	– – DI-488 BE-74 –
Open Door warning light does not light up.	1. DOME Fuse 2. Bulb 3. Door Courtesy Switch 4. Meter Circuit Plate 5. Wire Harness	– – BE-50 BE-74 –
A/T Oil Temperature warning light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. ECM	– BE-79 BE-74 DI-1
Washer Level warning light does not light up.	1. Bulb 2. Washer Fluid Level Warning Switch 3. Meter Circuit Plate 4. Wire Harness	– BE-79 BE-74

INDICATOR LIGHTS

Symptom	Suspect Area	See page
O/D OFF indicator light does not light up.	1. Bulb 2. O/D OFF Switch 3. Meter Circuit Plate 4. Wire Harness	– DI-199 BE-74 –
Cruise Control indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. ECM	– BE-74 DI-1
High beam indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. Headlight System	– BE-74 – BE-28
Turn indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. Turn Signal and Hazard Warning System	– BE-74 – BE-45
Shift indicator lights do not light up.	1. Bulb 2. Meter Circuit Plate 3. Park/Neutral Position Switch 4. Wire Harness	– BE-74 DI-195 –
Only one shift indicator does not light up.	1. Bulb 2. Meter Circuit Plate	– BE-74
Malfunction indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. ECM	– BE-74 – DI-1

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ECT PWR indicator light does not light up.	1. Bulb 2. ECT Pattern Select Switch 3. Meter Circuit Plate 4. Wire Harness 5. ECT System	– – BE-74 – DI-144
2nd Start ETCS indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. ECM	– BE-74 – DI-1
Rear Diff. Lock indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Rear Diff. Lock Detection Switch 4. Wire Harness	– BE-74 SA-160 –
Center Diff. Lock indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Transfer 4WD Position Detection Switch 4. Wire Harness	– BE-74 TR-49 –
Indicator lights do not light up. (Except Turn, Hi-beam and security)	1. GAUGE Fuse 2. Wire Harness	– –

DEFOGGER SYSTEM

Symptom	Suspect Area	See page
All defogger systems do not operate.	1. DEFOG M-Fuse 2. Defogger Relay 3. Defogger Switch (Integration Control Panel Assembly) 4. Wire Harness	– BE-91 BE-91 –
Rear window defogger does not operate.	1. Defogger Wire 2. Choke Coil 3. Wire Harness	BE-91 – –
Mirror defogger does not operate.	1. MIR/HTR Fuse 2. Mirror Heater Relay 3. Mirror Defogger 4. Wire Harness	– BE-91 BE-91 –

POWER WINDOW CONTROL SYSTEM

Symptom	Suspect Area	See page
Power window abnormal operation	TROUBLESHOOTING	BE-94

POWER DOOR LOCK CONTROL SYSTEM

Symptom	Suspect Area	See page
All the doors cannot be locked or unlocked. (Power Window Control System is normal.)	1. POWER Fuse 2. Door Lock Control Switch 3. Door Relay (L), (U) 4. Wire Harness 5. Body ECU	– BE-116 BE-116 – DI-737
Only one side door lock control does not operate.	1. Door Lock Motor 2. Wire Harness	BE-116 –
Door key related function does not operate.	1. Door Key Lock and Unlock Switch 2. Wire Harness 3. Body ECU	BE-116 – DI-737
Key confinement prevention function does not operate.	1. Key Unlock Warning Switch 2. Door Courtesy Switch 3. Wire Harness	BE-26 BE-50 –

POWER SEAT CONTROL SYSTEM

Symptom	Suspect Area	See page
Both Driver and Passenger Power seats do not operate. (Door lock does not operate.)	1. ALT M-Fuse 2. Wire Harness	– –
Driver's seat does not operate.	1. POWER Fuse 2. Power Seat Switch (D) 3. Wire Harness	– BE-126 –
Passenger's seat does not operate.	1. POWER Fuse 2. Power Seat Switch (P) 3. Wire Harness	– BE-126 –
"Slide operation" does not operate.	1. Power Seat Switch (D, P) 2. Wire Harness 3. Slide Motor (D, P)	BE-126 – BE-126
"Front Vertical Operation" does not operate.	1. Power Seat Switch (D, P) 2. Wire Harness 3. Front Vertical Motor (D, P)	BE-126 – BE-126
"Lifter Operation" does not operate.	1. Power Seat Switch (D, P) 2. Wire Harness 3. Lifter Motor (D, P)	BE-126 – BE-126
"Reclining Operation" does not operate.	1. Power Seat Switch (D, P) 2. Wire Harness 3. Reclining Motor (D, P)	BE-126 – BE-126
"Lumbar Support Operation" does not operate.	1. Power Seat Switch (D) 2. Wire Harness 3. Lumbar Support Motor (D)	BE-126 – BE-126

(D): Driver's Seat

(P): Passenger's Seat

POWER MIRROR 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
Both right and left mirrors do not operate.	1. MIRR Fuse 2. Mirror Switch 3. CIGAR Fuse 4. ECU-IG Fuse 5. Body ECU 6. Wire Harness	BE-17 BE-133 BE-17 BE-17 DI-737 –
Only one side of mirror does not operate.	1. Mirror Motor 2. Wire Harness 3. Body ECU	BE-133 – DI-737
The mirror does not return to the memorized position.	1. Mirror Position Sensor (Position is not set) 2. Wire Harness 3. Body ECU	BE-133 – DI-737
The memorized position is moved.	1. Mirror Position Sensor (Position is not set) 2. Wire Harness	BE-133 –

ELECTRO CHROMIC MIRROR SYSTEM

Symptom	Suspect Area	See page
Electro Chromic Inner Mirror does not operate.	1. ECU-IG Fuse 2. Electro Chromic Inner Mirror 3. Wire Harness	BE-17 BE-140 –
Electro Chromic Outer Mirror does not operate.	1. ECU-IG Fuse 2. Electro Chromic Outer Mirror 3. Electro Chromic Inner Mirror 4. Wire Harness	BE-17 BE-140 BE-140 –

AUDIO SYSTEM

Symptom	Suspect Area	See page
Audio system abnormal operation.	TROUBLESHOOTINGS	BE-148

CLOCK SYSTEM

Symptom	Suspect Area	See page
Passenger seat belt warning system does not light up.	TROUBLESHOOTING NO.1	BE-176
Clock will not operate.	TROUBLESHOOTING NO.1	BE-176
Clock loses or gains time.	TROUBLESHOOTING NO.2	BE-176

ENGINE IMMOBILIZER SYSTEM

Symptom	Suspect Area	See page
Engine immobilizer system does not operate.	See DIAGNOSIS SYSTEM	DI-723

HORN SYSTEM

Symptom	Suspect Area	See page
Horn system does not operate.	1. HORN Fuse 2. Horn Relay 3. Horn Switch 4. Horn 5. Wire Harness	– BE-197 BE-197 BE-197 –
Horns blow all the time.	1. Horn Relay 2. Horn Switch 3. Wire Harness	BE-197 BE-197 –
One horn operates but the other horn does not operate.	1. Horn 2. Wire Harness	BE-197 –
Horns operate abnormally.	1. Horn Relay 2. Horn 3. Wire Harness	BE-197 BE-197 –