

TROUBLESHOOTING

PROBLEM SYMPTOMS TABLE

IGNITION SWITCH AND 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-717](#)).

Symptom	Suspect Area	See page
Ignition switch is not set to each position.	4. Ignition switch 5. Power source circuit	BE-18 –
Ignition key illumination does not light up.	1. Bulb 2. Instrument Panel ECU 3. Wire Hauness	– DI-717 –
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-18 BE-40 –
Key unlock warning system does not operate. (The buzzer sounds when the ignition key is in ACC or ON)	1. Ignition Switch 2. Wire Harness	BE-18 –

HEADLIGHT AND TAILLIGHT SYSTEM:

This system uses the body control system, so check the body control system before you proceed with troubleshooting (See page [DI-717](#)).

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-23 BE-23 BE-40 –
Auto turn-off system does not operate when the driver's door is opened.	1. Drivers Door Courtesy Switch	BE-40
Auto turn-off system: Headlight and taillight do not come on.	1. Instrument Panel ECU 2. Instrument Panel ECU	DI-717 –
Auto turn-off system: Headlight and taillight stay on.	1. Instrument Panel ECU 2. Wire Harness	DI-717 –
Only one headlight comes on.	1. Daytime Running Light No.2, 3, 4 Relays 2. Daytime Running Light Main Relay 3. Bulb 4. Wire Harness	BE-23 BE-23 – –
"LO-beam" does not light (All).	1. Headlight Control Relay 2. Wire Harness	BE-23 –
"LO-beam" does not light (One side).	1. Bulb 2. H-LP L-LWR Fuse 3. H-LP R-LWR Fuse 4. Wire Harness	– – – –
"HI-beam" does not light (All).	1. Headlight Dimmer Switch 2. Daytime Running Light Main Rela 3. Wire Harness	BE-23 BE-23 –
"HI-beam" does not light (One side).	1. Bulb 2. H-LP L-UPR Fuse 3. H-LP R-UPR Fuse 4. Daytime Running Light No.3 Relay 5. Wire Harness	– – – BE-23 –
"Flash" does not light.	1. Headlight Dimmer Switch 2. Daytime Running Light Main Relay 3. Wire Harness	BE-23 BE-23 –

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Headlight does not come on.	1. Headlight Control Relay 2. Daytime Running Light Main Relay 3. Daytime Running Light No.2, 3, 4 Relays 4. Headlight Dimmer Switch 5. Light Control Switch 6. Wire Harness 7. Bulb	BE-23 BE-23 BE-23 BE-23 BE-23 – –
Headlight does not come on with light control switch in HEAD.	1. Light Control Switch 2. Wire Harness	BE-23 –
Headlight does not go out with light control switch in OFF.	1. Headlight Control Relay 2. Wire Harness	BE-23 –
Headlight flickers.	1. Bulb 2. Wire Harness	– –
Headlight is dark.	1. Bulb 2. Wire Harness	– –
Taillight does not come on with light control switch in TAIL.	1. Taillight Control Relay 2. Light Control Switch 3. Wire Harness	BE-23 BE-23 –
Taillight does not go out with light control switch in OFF.	1. Taillight Control Relay 2. Light Control Switch 3. Wire Harness	BE-23 BE-23 –
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 Relays 5. Generator L Terminal 6. Parking Brake Switch 7. Wire Harness	– – BE-23 BE-23 CH-12 BE-59 –

FOG LIGHT SYSTEM:

Symptom	Suspect Area	See page
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-33 BE-33 –
Fog light does not light up with light control SW HEAD (Headlight does not light).	1. *1 Other Parts 2. Wire Harness	– –
Only one 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-18 BE-36 –
Hazard warning light does not light up. (Turn is normal)	1. Hazard Warning Switch 2. Wire Harness	BE-36 –
Turn signal does not light up. (Hazard is normal)	1. Turn Signal Switch 2. Wire Harness	BE-36 –
Turn signal does not light up in one direction.	1. Turn Signal Switch 2. Wire Harness	BE-36 –
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-717](#)).

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-717 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-40 –
The light does not come ON when the passenger's door is opened.	1. Passenger's Door Courtesy Switch 2. Wire Harness	BE-40 –
The light does not come on when the rear-right door is opened.	1. Rear-Right Door Courtesy Switch 2. Wire Harness	BE-40 –
The light does not come on when the rear-left door is opened.	1. Rear-Left Door Courtesy Switch 2. Wire Harness	BE-40 –
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-40 – DI-717
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-18 – – DI-717 –
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-99 –
Room light does not light up. (w/o Sliding Roof)	1. Bulb 2. Room Light 3. Rear Personal Light 4. Wire Harness	– BE-40 BE-40 –
Room light does not light up. (w/ Sliding Roof)	1. Bulb 2. Room Light 3. Rear Personal Light 4. Wire Harness	– BE-40 BE-40 –

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Front personal light does not light up. (w/o Sliding Roof)	1. Bulb 2. Front Personal Light 3. Room Light 4. Wire Harness	– BE-40 BE-40 –
Front personal light does not light up. (w/ Sliding Roof)	1. Bulb 2. Front Personal Light 3. Room Light 4. Wire Harness	– BE-40 BE-40 –
Rear Room light does not light up.	1. Bulb 2. Rear Room Light 3. Wire Harness	– BE-40 –
Vanity light does not light up.	1. Bulb 2. Vanity Light 3. Wire Harness	– BE-40 –
Glove compartment light does not light up.	1. Bulb 2. Glove Compartment Courtesy Switch 3. Wire Harness	– BE-40 –
Courtesy light does not light up.	1. Bulb 2. Door Courtesy Switch 3. Wire Harness	– BE-40 –

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-18 – –
Back-up Light remains always on.	1. Park/ Neutral Position Switch 2. Wire Harness	DI-194 –
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-46 –
Stop light always lights up.	1. Stop Light Switch 2. Wire Harness	BE-46 –
Only one light always lights up.	1. Wire Harness	–
Only one light does not light up.	1. Bulb 2. Wire Harness	– –

WIPER AND WASHER SYSTEM:

Symptom	Suspect Area	See page
Front wiper and washer do not operate.	1. WIPER Fuse 2. Wiper Switch 3. Wiper Motor 4. Wire Harness	– BE-48 BE-48 –
Front wiper does not operate in LO or HI.	1. Wiper Switch 2. Wiper Motor 3. Wire Harness	BE-48 BE-48 –
Front wiper does not operate in INT.	1. Wiper Switch 2. Wiper Motor 3. Wire Harness	BE-48 BE-48 –

Front washer motor does not operate.	1. WASHER Fuse 2. Washer Switch 3. Washer Motor 4. Wire Harness	– BE-48 BE-48 –
Front wiper does not operate when washer switch is ON.	1. WASHER Fuse 2. Washer Switch 3. Wiper Motor 4. Wire Harness	– BE-48 BE-48 –
Rear wiper does not operate.	1. WIPER Fuse 2. Rear Wiper Motor 3. Rear Wiper Switch 4. Rear Wiper Relay 5. Instrument Panel ECU 6. Wire Harness	– BE-48 BE-48 BE-48 DI-717 –
Rear wiper does not operate in INT or ON position.	1. Rear Wiper Switch 2. Instrument Panel ECU 3. Wire Harness	BE-48 DI-717 –
Rear wiper does not return to OFF position.	1. Rear Wiper Motor 2. Wire Harness	BE-48 –
Rear washer motor does not operate.	1. Rear Washer Motor 2. Rear Washer Switch 3. Wire Harness	BE-48 BE-48 –
Washer fluid does not operate.	1. Washer Hose and Nozzle	–

*1: Inspect wiper arm and blade set positions.

COMBINATION METER (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-54 –
Speedometer does not operate.	1. Speed Sensor 2. Meter Circuit Plate 3. Wire Harness	BE-59 BE-54 –
Tachometer does not operate.	1. Igniter 2. Meter Circuit Plate 3. Wire Harness	IG-1 BE-54 –
Fuel gauge does not operate or is in abnormal operation.	1. Fuel Receiver Gauge 2. Fuel Sender Gauge 3. Meter Circuit Plate 4. Wire Harness	BE-59 BE-59 BE-54 –
Oil pressure gauge does not operate.	1. Oil Pressure Receiver Gauge 2. Oil Pressure Sender Gauge 3. Meter Circuit Plate 4. Wire Harness	BE-59 BE-59 BE-54 –
Voltmeter does not operate.	1. Voltmeter 2. Meter Circuit Plate 3. Wire Harness	BE-59 BE-54 –
Engine coolant temperature gauge does not operate or is in abnormal operation	1. Engine Coolant Temperature Receiver Gauge 2. Engine Coolant Temperature Sender Gauge 3. Meter Circuit Plate 4. Wire Harness	BE-59 BE-59 BE-54 –
All illumination lights do not light up.	1. Light Control Rheostat 2. Wire Harness	BE-59 –

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Brightness does not change even when rheostat is turned.	1. Bulb 2. Wire Harness	– –
Only one illumination light does not light up.	1. Bulb 2. Wire Harness	– –

COMBINATION METER (Warning Light):

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-54 –
Fuel level warning light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Fuel Sender Gauge 4. Wire Harness	– BE-54 BE-59 –
ABS warning light does not light up.	1. Bulb 2. ABS ECU 3. Wire Harness	– DI-298 –
Seat belt warning light does not light up.	1. Bulb 2. Seat Belt Buckle Switch 3. Wire Harness 4. Body ECU	– BE-59 BE-59 DI-717
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-59 BE-59 BE-59 BE-54 –
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-484 BE-54 –
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-40 BE-54 –
A/T oil temperature warning light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. ECM	– BE-59 BE-54 DI-1

COMBINATION METER (Indicator Light):

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-198 BE-54 –
Cruise control indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. ECM	– BE-54 – DI-1
High-beam indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. Headlight System	– BE-54 – BE-19
Turn indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. Turn Signal and Hazard Warning System	– BE-54 – BE-35
Shift indicator lights do not light up.	1. Bulb 2. Meter Circuit Plate 3. Park/Neutral Position Switch 4. Wire Harness	– BE-54 DI-194 –
Only one shift indicator does not light up.	1. Bulb 2. Meter Circuit Plate	– BE-54
Malfunction indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. ECM	– BE-54 – DI-1
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-54 – DI-144
2nd start ETCS indicator light does not light up.	1. Bulb 2. Meter Circuit Plate 3. Wire Harness 4. ECM	– BE-54 – 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-54 SA-162 –
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-54 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-74 BE-74 –
Rear window defogger does not operate.	1. Defogger Wire 2. Choke Coil 3. Wire Harness	BE-74 – –
Mirror defogger does not operate.	1. MIR/HTR Fuse 2. Mirror Heater Relay 3. Mirror Defogger 4. Wire Harness	– BE-74 BE-74 –

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.)	1. POWER M-Fuse 2. Power Window Master Switch 3. Wire Harness	– BE-87 –
Only the driver's window does not operate.	1. Power Window Master Switch 2. Power Window Switch 3. Power Window Motor 4. Wire Harness	BE-87 BE-87 BE-87 –
"Window lock function" does not operate.	1. Power Window Master Switch	BE-87
One touch power window does not move up and down. (Prepare normal master switch).	TROUBLESHOOTING NO.1	BE-77
During AUTO UP operation, the power window moves down.	TROUBLESHOOTING NO.2	BE-77
The DOWN function does not work though some other objects are caught in the power window glass.	TROUBLESHOOTING NO.3	BE-77

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.)	1. POWER Fuse 2. Door Lock Control Switch 3. Door Relay (L), (U) 4. Wire Harness 5. Body ECU	– BE-99 BE-99 – DI-717
Only one side door lock control does not operate.	1. Door Lock Motor 2. Wire Harness	BE-99 –
Door key related function does not operate.	1. Door Key Lock and Unlock Switch 2. Wire Harness 3. Body ECU	BE-99 – DI-717
Key confinement prevention function does not operate.	1. Key Unlock Warning Switch 2. Door Courtesy Switch 3. Wire Harness	BE-18 BE-40 –

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-110 –
Passenger's seat does not operate.	1. POWER Fuse 2. Power Seat Switch (P) 3. Wire Harness	– BE-110 –
"Slide operation" does not operate.	1. Power Seat Switch (D, P) 2. Wire Harness 3. Slide Motor (D, P)	BE-110 – BE-110
"Front vertical operation" does not operate.	1. Power Seat Switch (D, P) 2. Wire Harness 3. Front Vertical Motor (D, P)	BE-110 – BE-110
"Lifter operation" does not operate.	1. Power Seat Switch (D, P) 2. Wire Harness 3. Lifter Motor (D, P)	BE-110 – BE-110
"Reclining operation" does not operate.	1. Power Seat Switch (D, P) 2. Wire Harness 3. Reclining Motor (D, P)	BE-110 – BE-110
"Lumbar support operation" does not operate.	1. Power Seat Switch (D) 2. Wire Harness 3. Lumbar Support Motor (D)	BE-110 – BE-110

(D): Driver's Seat

(P): Passenger's Seat

POWER MIRROR CONTROL SYSTEM:

Symptom	Suspect Area	See page
Mirror does not operate.	1. MIRR Fuse 2. CIGAR Fuse 3. ECU-IG Fuse 4. Mirror Switch 5. Wire Harness	– – – BE-117 –
Mirror operates abnormally.	1. Mirror Switch 2. Mirror Motor 3. Wire Harness	BE-117 BE-117 –

SEAT HEATER SYSTEM:

Symptom	Suspect Area	See page
Seat heaters do not operate. (Driver's and Passenger's)	1. SEAT HTR Fuse 2. Seat Heater Switch (D, P) 3. Wire Harness 4. Seat Heater	– BE-120 – BE-120
Driver's seat heater does not operate.	1. Seat Heater Switch (D, P) 2. Wire Harness	BE-120 –
Passenger's seat heater does not operate.	1. Seat Heater Switch (D, P) 2. Wire Harness	BE-120 –
Seat heater temperature is too hot.	1. Seat Heater	BE-120

AUDIO SYSTEM:

Symptom	Suspect Area	See page
Audio system abnormal operation.	TROUBLESHOOTINGS	BE-126

CLOCK SYSTEM:

Symptom	Suspect Area	See page
Passenger seat belt warning system does not light up.	TROUBLESHOOTING NO.1	BE-157
Clock will not operate.	TROUBLESHOOTING NO.1	BE-157
Clock loses or gains time.	TROUBLESHOOTING NO.2	BE-157

ENGINE IMMOBILIZER SYSTEM:

Symptom	Suspect Area	See page
Engine immobilizer system does not operate.	See DIAGNOSIS SYSTEM	DI-695

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-177 BE-177 BE-177 -
Horns blow all the time.	1. Horn Relay 2. Horn Switch 3. Wire Harness	BE-177 BE-177 -
One horn operates but the other horn does not operate.	1. Horn 2. Wire Harness	BE-177 -
Horns operate abnormally.	1. Horn Relay 2. Horn 3. Wire Harness	BE-177 BE-177 -