

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-1038](#)).

Symptom	Suspect Area	See page
Ignition switch is not set to each position.	4. Ignition switch 5. Power source circuit	BE-29 –
Ignition key illumination does not light up.	1. Bulb 2. Body ECU 3. Wire Hauness	– DI-1038 –
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-29 BE-44 –
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-29 –

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-1038](#)).

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-44 –
Auto turn-off system does not operate when the driver's door is opened.	1. Drivers Door Courtesy Switch	BE-44
Auto turn-off system: Headlight and taillight do not come on.	1. Body ECU 2. Wire Harness	DI-1038 –
Auto turn-off system: Headlight and taillight stay on.	1. Body ECU 2. Wire Harness	DI-1038 –
Only one headlight comes on.	1. Daytime Running Light No.3, 4 Relays 2. Body ECU 3. Bulb 4. Wire Harness	BE-32 BE-32 – –
"LO-beam" does not light (All).	1. Engine Room J/B Relay Circuit 2. Wire Harness	BE-15 –
"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. Body ECU 3. Wire Harness	BE-32 BE-32 –
"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, 4 Relays 5. Wire Harness	– – – BE-32 –
"Flash" does not light.	1. Headlight Dimmer Switch 2. Body ECU 3. Wire Harness	BE-32 BE-32 –

BODY ELECTRICAL – TROUBLESHOOTING

Headlight does not come on.	1. Engine Room J/B Relay Circuit 2. Body ECU 3. Daytime Running Light No.3, 4 Relays 4. Headlight Dimmer Switch 5. Light Control Switch 6. Wire Harness 7. Bulb	BE-15 BE-32 BE-32 BE-32 BE-32 – –
Headlight does not come on with light control switch in HEAD.	1. Light Control Switch 2. Wire Harness	BE-32 –
Headlight does not go out with light control switch in OFF.	1. Engine Room J/B Relay Circuit 2. Wire Harness	BE-15 –
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. Engine Room J/B Relay Circuit 2. Light Control Switch 3. Wire Harness	BE-15 BE-32 –
Taillight does not go out with light control switch in OFF.	1. Engine Room J/B Relay Circuit 2. Light Control Switch 3. Wire Harness	BE-15 BE-32 –
Headlight does not come on with engine running and light control switch in OFF.	1. ECU-B1 Fuse 2. ECU-IG1 Fuse 3. Body ECU 4. Daytime Running Light No.3, 4 Relays 5. Generator L Terminal 6. Parking Brake Switch 7. Wire Harness	– – BE-32 BE-32 CH-10 BE-63 –

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. Engine Room J/B Relay Circuit 3. Fog Light Switch 4. Wire Harness	– BE-15 BE-37 –
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. ECU-IG2 Fuse 2. TURN HAZ Fuse 3. Ignition Switch 4. Turn Signal Flasher Relay 5. Wire Harness	– – BE-29 BE-40 –
Hazard warning light does not light up. (Turn is normal)	1. Hazard Warning Switch 2. Wire Harness	BE-40 –
Turn signal does not light up. (Hazard is normal)	1. Turn Signal Switch 2. Wire Harness	BE-40 –

Turn signal does not light up in one direction.	1. Turn Signal Switch 2. Wire Harness	BE-40 –
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-1038](#)).

Symptom	Suspect Area	See page
All the lights do not come ON.	1. DOME Fuse 2. Body ECU 3. DOME Relay (Cowl Side J/B LH)	– DI-1038 –
The light does not come ON when the driver's door is opened.	1. Driver's Door Courtesy Switch 2. Wire Harness	BE-44 –
The light does not come ON when the passenger's door is opened.	1. Passenger's Door Courtesy Switch 2. Wire Harness	BE-44 –
The light does not come on when the rear-right door is opened.	1. Rear-Right Door Courtesy Switch 2. Wire Harness	BE-44 –
The light does not come on when the rear-left door is opened.	1. Rear-Left Door Courtesy Switch 2. Wire Harness	BE-44 –
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. Body ECU	BE-44 – DI-1038
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. ACC Fuse 3. ECU-IG1 Fuse 4. Body ECU 5. Wire Harness	BE-29 – – DI-1038 –
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-88 –
Room light does not light up.	1. Bulb 2. Room Light 3. Rear Personal Light 4. Wire Harness	– BE-44 BE-44 –
Front personal light does not light up.	1. Bulb 2. Front Personal Light 3. Room Light 4. Wire Harness	– BE-44 BE-44 –
Rear Room light does not light up.	1. Bulb 2. Rear Room Light 3. Wire Harness	– BE-44 –
Vanity light does not light up.	1. Bulb 2. Vanity Light 3. Wire Harness	– BE-44 –
Glove compartment light does not light up.	1. Bulb 2. Glove Compartment Courtesy Switch 3. Wire Harness	– BE-44 –
Courtesy light does not light up.	1. Bulb 2. Door Courtesy Switch 3. Wire Harness	– BE-44 –

BACK-UP LIGHT SYSTEM:

Symptom	Suspect Area	See page
Back-up Light does not light up.	1. GAUGE2 Fuse 2. Ignition Switch 3. Wire Harness 4. Bulb	– BE-29 – –
Back-up Light remains always on.	1. Park/ Neutral Position Switch 2. Wire Harness	DI-402 –
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-50 –
Stop light always lights up.	1. Stop Light Switch 2. Wire Harness	BE-50 –
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-52 BE-52 –
Front wiper does not operate in LO or HI.	1. Wiper Switch 2. Wiper Motor 3. Wire Harness	BE-52 BE-52 –
Front wiper does not operate in INT.	1. Wiper Switch 2. Wiper Motor 3. Wire Harness	BE-52 BE-52 –
Front washer motor does not operate.	1. WASHER Fuse 2. Washer Switch 3. Washer Motor 4. Wire Harness	– BE-52 BE-52 –
Front wiper does not operate when washer switch is ON.	1. WASHER Fuse 2. Washer Switch 3. Wiper Motor 4. Wire Harness	– BE-52 BE-52 –
Rear wiper does not operate.	1. RR WIPER Fuse 2. Rear Wiper Motor 3. Rear Wiper Switch 4. Rear Wiper Relay 5. Wire Harness	– BE-52 BE-52 BE-52 –
Rear wiper does not operate in INT or ON position.	1. Rear Wiper Switch 2. Rear Wiper Relay 3. Wire Harness	BE-52 BE-52 –
Rear wiper does not return to OFF position.	1. Rear Wiper Motor 2. Wire Harness	BE-52 –

Rear washer motor does not operate.	1. Rear Washer Motor 2. Rear Washer Switch 3. Wire Harness	BE-52 BE-52 –
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. GAUGE2 Fuse 2. Combination Meter 3. Wire Harness	– BE-58 –
Speedometer does not operate.	1. Speed Sensor 2. Combination Meter 3. Wire Harness	BE-63 BE-58 –
Tachometer does not operate.	1. Igniter 2. Combination Meter 3. Wire Harness	IG-1 BE-58 –
Fuel gauge does not operate or is in abnormal operation.	1. Fuel Receiver Gauge 2. Fuel Sender Gauge 3. Combination Meter 4. Wire Harness	BE-63 BE-63 BE-58 –
Oil pressure gauge does not operate.	1. Oil Pressure Receiver Gauge 2. Oil Pressure Sender Gauge 3. Combination Meter 4. Wire Harness	BE-63 BE-63 BE-58 –
Voltmeter does not operate.	1. Voltmeter 2. Combination Meter 3. Wire Harness	BE-63 BE-58 –
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. Combination Meter 4. Wire Harness	BE-63 BE-63 BE-58 –
All illumination lights do not light up.	1. Light Control Rheostat 2. Wire Harness	BE-63 –
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. GAUGE1 Fuse 2. Combination Meter 3. Wire Harness	– BE-58 –
Fuel level warning light does not light up.	1. LED 2. Combination Meter 3. Fuel Sender Gauge 4. Wire Harness	– BE-58 BE-63 –
ABS warning light does not light up.	1. LED 2. ABS ECU 3. Wire Harness	– DI-502 –

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Seat belt warning light does not light up.	1. LED 2. Seat Belt Buckle Switch 3. Wire Harness 4. Body ECU	– BE-63 BE-63 DI-1038
Discharge warning light does not light up.	1. METER Fuse 2. LED 3. Wire Harness 4. Generator	– – – CH-2
Brake warning light does not light up.	1. LED 2. Parking Brake Switch 3. Brake Fluid Level Warning Switch 4. LED Check Relay 5. Combination Meter 6. Wire Harness	– BE-63 BE-63 BE-63 BE-58 –
SRS warning light does not light up.	1. ECU-B2 Fuse 2. LED 3. Airbag Sensor Assembly 4. Combination Meter 5. Wire Harness	– – DI-690 BE-58 –
Open door warning light does not light up.	1. DOME Fuse 2. LED 3. Door Courtesy Switch 4. Combination Meter 5. Wire Harness	– – BE-44 BE-58 –
A/T oil temperature warning light does not light up.	1. LED 2. Combination Meter 3. Wire Harness 4. ECM	– BE-63 BE-58 DI-1

COMBINATION METER (Indicator Light):

Symptom	Suspect Area	See page
Cruise control indicator light does not light up.	1. LED 2. Combination Meter 3. Wire Harness 4. ECM	– BE-58 – DI-1
High-beam indicator light does not light up.	1. LED 2. Combination Meter 3. Wire Harness 4. Headlight System	– BE-58 – BE-30
Turn indicator light does not light up.	1. LED 2. Combination Meter 3. Wire Harness 4. Turn Signal and Hazard Warning System	– BE-58 – BE-39
Shift indicator lights do not light up.	1. LED 2. Combination Meter 3. Park/Neutral Position Switch 4. Wire Harness	– BE-58 – –
Only one shift indicator does not light up.	1. LED 2. Combination Meter	– BE-58
Malfunction indicator light does not light up.	1. LED 2. Combination Meter 3. Wire Harness 4. ECM	– BE-58 – DI-1

ECT PWR indicator light does not light up.	1. LED 2. ECT Pattern Select Switch 3. Combination Meter 4. Wire Harness 5. ECT System	– – BE-58 – DI-358
2nd start ETCS indicator light does not light up.	1. LED 2. Combination Meter 3. Wire Harness 4. ECM	– BE-58 – DI-1
Center Diff. lock indicator light does not light up.	1. LED 2. Combination Meter 3. Transfer 4WD Position Detection Switch 4. Wire Harness	– BE-58 TR-49 –
Indicator lights do not light up. (Except Turn, Hi-beam and security)	1. GAUGE2 Fuse 2. Wire Harness	– –

DEFOGGER SYSTEM:

Symptom	Suspect Area	See page
All defogger systems do not operate.	1. DEFOG Fuse 2. DEFOG Relay 3. Defogger Switch (Integration Control Panel Assembly) 4. Wire Harness	– – BE-75 –
Rear window defogger does not operate.	1. Defogger Wire 2. Choke Coil 3. Wire Harness	BE-75 – –
Mirror defogger does not operate.	1. MIR HTR Fuse 2. Engine Room J/B Relay Circuit 3. Mirror Defogger 4. Wire Harness	– BE-15 BE-75 –

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. P/W (FL, FR, RL, RR) Fuse 2. Power Window Master Switch 3. Wire Harness	– BE-79 –
Only the driver's window does not operate.	1. Power Window Master Switch 2. Body ECU 3. Power Window Motor 4. Wire Harness	BE-79 DI-1038 BE-79 –
"Window lock function" does not operate.	1. Power Window Master Switch	BE-79

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. DOOR Fuse 2. Door Lock Control Switch 3. Wire Harness 4. Body ECU	– BE-88 – DI-1038
Only one side door lock control does not operate.	1. Door Lock Motor 2. Wire Harness	BE-88 –

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Door key related function does not operate.	1. Door Key Lock and Unlock Switch 2. Wire Harness 3. Body ECU	BE-88 – DI-1038
Key confinement prevention function does not operate.	1. Key Unlock Warning Switch 2. Door Courtesy Switch 3. Wire Harness	BE-29 BE-44 –

POWER SEAT CONTROL SYSTEM:

Symptom	Suspect Area	See page
Both driver and passenger power seats do not operate. (Door lock does not operate.)	1. ALTS Fuse 2. Wire Harness	– –
Driver's seat does not operate.	1. LH SEAT Fuse 2. Power Seat Switch (D) 3. Wire Harness	– BE-110 –
Passenger's seat does not operate.	1. RH SEAT 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. ACC Fuse 2. Mirror Switch 3. 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-121 – BE-121
Driver's seat heater does not operate.	1. Seat Heater Switch (D, P) 2. Wire Harness	BE-121 –

Passenger's seat heater does not operate.	1. Seat Heater Switch (D, P) 2. Wire Harness	BE-121 –
Seat heater temperature is too hot.	1. Seat Heater	BE-121

AUDIO SYSTEM:

Symptom	Suspect Area	See page
Audio system abnormal operation.	TROUBLESHOOTINGS	BE-129

MULTI DISPLAY:

Symptom	Suspect Area	See page
Clock will not operate.	TROUBLESHOOTING	BE-178
Clock loses or gains time.	TROUBLESHOOTING	BE-178

GARAGE DOOR OPENER SYSTEM:

Symptom	Suspect Area	See page
The equipment of which code has been registered does not operate.	1. Garage Door Opener Switch 2. Wire Harness 3. *	BE-190 – –
LED does not light up. (Even though either switch is pressed.)	1. Garage Door Opener Switch 2. Wire Harness	BE-190 –
LED does not light up. (Only one switch is pressed.)	Garage Door Opener Switch	BE-190

* As the GARAGE DOOR OPENER on the vehicle side seems to be normal, check the OPENER on the equipment side, of which code has been registered.

ENGINE IMMOBILIZER SYSTEM:

Symptom	Suspect Area	See page
Engine immobilizer system does not operate.	See DIAGNOSIS SYSTEM	DI-1002

HORN SYSTEM:

Symptom	Suspect Area	See page
Horn system does not operate.	1. HORN Fuse 2. Engine Room J/B Relay Circuit 3. Horn Switch 4. Horn 5. Wire Harness	– BE-15 BE-198 BE-198 –
Horns blow all the time.	1. Engine Room J/B Relay Circuit 2. Horn Switch 3. Wire Harness	BE-15 BE-198 –
One horn operates but the other horn does not operate.	1. Horn 2. Wire Harness	BE-198 –
Horns operate abnormally.	1. Engine Room J/B Relay Circuit 2. Horn 3. Wire Harness	BE-15 BE-198 –