

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-1400](#)).

Symptom	Suspect Area	See page
Ignition switch is not set to each position.	6. Ignition switch 7. Power source circuit	BE-30 –
Ignition key illumination does not come on.	1. Transponder key amplifier with coil 2. Wire Harness 3. Body ECU (Main)	BE-30 – DI-1400
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-30 BE-53 –
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-30 –

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-1400](#)).

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 5. Body ECU (Main)	BE-36 BE-36 BE-53 – DI-1400
Auto turn-off system does not operate when the driver's door is opened.	1. Drivers Door Courtesy Switch	BE-53
Auto turn-off system: Headlight and taillight do not come on.	1. Wire Harness 2. Body ECU (Main)	– DI-1400
Auto turn-off system: Headlight and taillight stay on.	1. Wire Harness 2. Body ECU (Main)	– DI-1400
Only one headlight comes on.	1. Bulb 2. Daytime Running Light No.3, 4 Relays 3. Wire Harness 4. Body ECU (Main)	– BE-36 – BE-36
"LO-beam" does not come on (All).	1. Engine Room J/B Relay Circuit 2. Wire Harness 3. Body ECU (Main)	BE-16 – BE-36
"LO-beam" does not come on (One side).	1. Bulb 2. H-LP L-LWR Fuse 3. H-LP R-LWR Fuse 4. Wire Harness	– – – –
"HI-beam" does not come on (All).	1. Headlight Dimmer Switch 2. Wire Harness 3. Body ECU (Main)	BE-36 – BE-36
"HI-beam" does not come on (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-36 –

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"Flash" does not come on.	1. Headlight Dimmer Switch 2. Wire Harness 3. Body ECU (Main)	BE-36 – BE-36
Headlight does not come on.	1. Bulb 2. Headlight Dimmer Switch 3. Light Control Switch 4. Daytime Running Light No.3, 4 Relays 5. Engine Room J/B Relay Circuit 6. Wire Harness 7. Body ECU (Main)	– BE-36 BE-36 BE-36 BE-16 – IN-36
Headlight does not come on with light control switch in HEAD.	1. Light Control Switch 2. Wire Harness 3. Body ECU (Main)	BE-36 – IN-36
Headlight does not go off with light control switch in OFF.	1. Engine Room J/B Relay Circuit 2. Wire Harness 3. Body ECU (Main)	BE-12 – IN-36
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. Light Control Switch 2. Engine Room J/B Relay Circuit 3. Wire Harness 4. Body ECU (Sub) 5. Body ECU (Main)	BE-36 BE-36 – IN-36 IN-36
Taillight does not go off with light control switch in OFF.	1. Light Control Switch 2. Engine Room J/B Relay Circuit 3. Wire Harness 4. Body ECU (Sub) 5. Body ECU (Main)	BE-36 BE-36 – IN-36 IN-36
Headlight does not come on with engine running and light control switch in OFF.	1. ECU-B2 Fuse 2. ECU-IG1 Fuse 3. Daytime Running Light No.3, 4 Relays 4. Generator L Terminal 5. Parking Brake Switch 6. Wire Harness 7. Body ECU (Main)	– – BE-36 CH-10 BE-82 – IN-36

FOG LIGHT SYSTEM:

Symptom	Suspect Area	See page
Fog light does not come on with light control SW HEAD (Headlight is normal).	1. FOG Fuse 2. Fog Light Switch 3. Engine Room J/B Relay Circuit 4. Wire Harness	– BE-44 BE-16 –
Fog light does not come on with light control SW HEAD (Headlight does not light).	1. *1 Other Parts 2. Wire Harness	– –
Only one light does not come on.	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 come on.	1. ECU-IG2 Fuse 2. TURN HAZ Fuse 3. Ignition Switch 4. Turn Signal Flasher Relay 5. Wire Harness	– – BE-30 BE-48 –
Hazard warning light does not come on. (Turn is normal)	1. Hazard Warning Switch 2. Wire Harness	BE-48 –
Turn signal does not come on. (Hazard is normal)	1. Turn Signal Switch 2. Wire Harness	BE-48 –
Turn signal does not come on in one direction.	1. Turn Signal Switch 2. Wire Harness	BE-48 –
Only one bulb does not come on.	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-1400](#)).

Symptom	Suspect Area	See page
All the lights do not come ON.	1. DOME Fuse 2. DOME Relay (Cowl Side J/B LH) 3. Body ECU (Main)	– BE-16 DI-1400
The light does not come ON when the driver's door is opened.	1. Driver's Door Courtesy Switch 2. Wire Harness	BE-53 –
The light does not come ON when the passenger's door is opened.	1. Passenger's Door Courtesy Switch 2. Wire Harness	BE-53 –
The light does not come on when the rear-right door is opened.	1. Rear-Right Door Courtesy Switch 2. Wire Harness	BE-53 –
The light does not come on when the rear-left door is opened.	1. Rear-Left Door Courtesy Switch 2. Wire Harness	BE-53 –
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 (Main)	BE-53 – DI-1400
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. ACC Fuse 2. ECU-IG1 Fuse 3. Ignition Switch 4. Wire Harness 5. Body ECU (Main)	– – BE-30 – DI-1400
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-114 –
Room light does not come on.	1. Bulb 2. Room Light 3. Rear Personal Light 4. Wire Harness	– BE-53 BE-53 –
Front personal light does not come on.	1. Bulb 2. Front Personal Light 3. Room Light 4. Wire Harness	– BE-53 BE-53 –
Rear Room light does not come on.	1. Bulb 2. Rear Room Light 3. Wire Harness	– BE-53 –

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Vanity light does not come on.	1. Bulb 2. Vanity Light 3. Wire Harness	– BE-53 –
Glove compartment light does not come on.	1. Bulb 2. Glove Compartment Courtesy Switch 3. Wire Harness	– BE-53 –
Courtesy light does not come on.	1. Bulb 2. Door Courtesy Switch 3. Wire Harness	– BE-53 –
Foot light does not come on.	1. Wire Harness 2. Bulb (LED) 3. Body ECU (Sub) 4. Body ECU (Main)	– – IN-36 IN-36
Center Console Spot light does not come on.	1. Wire Harness 2. Bulb (LED) 3. Body Control ECU (Sub)	– – IN-36
Side Step and Outer Foot light does not come on.	1. Wire Harness 2. Bulb (LED) 3. Body ECU (Sub) 4. Body ECU (Main)	– – IN-36 IN-36
Inside Door Handle Illumination does not come on.	1. Wire Harness 2. Bulb (LED) 3. Body ECU (Sub) 4. Body ECU (Main)	– – IN-36 IN-36

BACK-UP LIGHT SYSTEM:

Symptom	Suspect Area	See page
Back-up Light does not come on.	1. GAUGE 2 Fuse 2. Bulb 3. Ignition Switch 4. Wire Harness	– – BE-30 –
Back-up Light remains always on.	1. Park/ Neutral Position Switch 2. Wire Harness	DI-410 –
Only one light does not come on.	1. Bulb 2. Wire Harness	– –

STOP LIGHT SYSTEM:

Symptom	Suspect Area	See page
Stop light does not come on.	1. STOP Fuse 2. Stop Light Switch 3. Wire Harness 4. Body ECU (Sub)	– BE-63 – IN-36
Stop light always comes on.	1. Stop Light Switch 2. Wire Harness 3. Body ECU (Sub)	BE-63 – IN-36
Only one light always comes on.	1. Wire Harness	–
Only one light does not come on.	1. Bulb 2. Wire Harness	– –

WIPER AND WASHER SYSTEM:

Symptom	Suspect Area	See page
Front wiper and washer do not operate.	1. RR WIPER Fuse 2. Wiper Switch 3. Wiper Motor 4. Wire Harness 5. Wiper Control ECU	– BE-69 BE-69 – DI-1354
Front wiper does not operate in LO or HI.	1. Wiper Switch 2. Wiper Motor 3. Wire Harness 4. Wiper Control ECU	BE-69 BE-69 – DI-1354
Front wiper does not operate in INT.	1. Wiper Switch 2. Wiper Motor 3. Wire Harness 4. Wiper Control ECU	BE-69 BE-69 – DI-1354
Front wiper does not operate in AUTO.	1. Wiper Switch 2. Rain Sensor 3. Wire Harness 4. Wiper Control ECU	BE-69 DI-1354 DI-1354 DI-1354
Front washer motor does not operate.	1. WASHER Fuse 2. Washer Switch 3. Washer Motor 4. Wire Harness	– BE-69 BE-69 –
Front wiper does not operate when washer switch is ON.	1. WASHER Fuse 2. Washer Switch 3. Wiper Motor 4. Wire Harness	– BE-69 BE-69 –
Rear wiper does not operate.	1. WIPER Fuse 2. Rear Wiper Motor 3. Rear Wiper Switch 4. Back Door Courtesy Switch 5. Wire Harness 6. Body ECU (Sub)	– BE-69 BE-69 BE-53 – DI-1400
Rear wiper does not operate in INT or ON position.	1. Rear Wiper Switch 2. Wire Harness 3. Body ECU (Sub)	BE-69 – DI-1400
Rear wiper does not return to OFF position.	1. Rear Wiper Motor 2. Wire Harness	BE-69 –
Rear washer motor does not operate.	1. Rear Washer Motor 2. Rear Washer Switch 3. Wire Harness	BE-69 BE-69 –
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 1 Fuse 2. Wire Harness 3. Combination Meter	– – BE-77
Speedometer does not operate.	1. GAUGE 1 Fuse 2. Speed Sensor 3. Wire Harness 4. Combination Meter	– BE-82 – BE-77

BODY ELECTRICAL – TROUBLESHOOTING

Tachometer does not operate.	1. Igniter 2. Wire Harness 3. Combination Meter	IG-1 – BE-77
Fuel gauge does not operate or is in abnormal operation.	1. Fuel Receiver Gauge 2. Fuel Sender Gauge 3. Wire Harness 4. Combination Meter	BE-82 BE-82 – BE-77
Oil pressure gauge does not operate.	1. Oil Pressure Receiver Gauge 2. Oil Pressure Sender Gauge 3. Wire Harness 4. Combination Meter	BE-82 BE-82 – BE-77
Voltmeter does not operate.	1. Voltmeter 2. Wire Harness 3. Combination Meter	BE-82 – BE-77
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. Wire Harness 4. Combination Meter	BE-82 BE-82 – BE-77
All illumination lights do not light up.	1. Light Control Rheostat 2. Wire Harness	BE-82 –
Brightness does not change even when rheostat is turned.	1. Wire Harness 2. Combination Meter	– BE-82
Only one illumination light does not come on.	1. Wire Harness 2. Combination Meter	– –

COMBINATION METER (Warning Light):

Symptom	Suspect Area	See page
Warning lights do not come on. (Except discharge, open door and SRS)	1. GAUGE 1 Fuse 2. Wire Harness 3. Combination Meter	– – BE-77
Fuel level warning light does not come on.	1. Fuel Sender Gauge 2. Wire Harness 3. Combination Meter	BE-77 – BE-82
ABS warning light does not come on.	1. ABS ECU 2. Wire Harness 3. Combination Meter	DI-603 – BE-82
Seat belt warning light does not come on.	1. Seat Belt Buckle Switch 2. Wire Harness 3. Combination Meter 4. Body ECU (Main)	BE-82 – BE-82 DI-1400
Discharge warning light does not come on.	1. METER Fuse 2. Generator 3. Wire Harness 4. Combination Meter	– CH-2 – BE-82
Brake warning light does not come on.	1. Parking Brake Switch 2. Brake Fluid Level Warning Switch 3. Wire Harness 4. Combination Meter	BE-82 BE-82 – BE-82
SRS warning light does not come on.	1. ECU-B2 2. Airbag Sensor Assembly 3. Wire Harness 4. Combination Meter	– DI-880 – BE-82

Open door warning light does not come on.	1. DOME Fuse 2. Door Courtesy Switch 3. Wire Harness 4. Combination Meter	– BE-53 – BE-77
A/T oil temperature warning light does not come on.	1. Combination Meter 2. Wire Harness 3. ECM	BE-82 BE-77 DI-1

COMBINATION METER (Indicator Light):

Symptom	Suspect Area	See page
Cruise control indicator light does not come on.	1. Combination Meter 2. Wire Harness 3. ECM	BE-77 – DI-1
High-beam indicator light does not come on.	1. Combination Meter 2. Wire Harness 3. Headlight System	BE-77 – BE-32
Turn indicator light does not come on.	1. Combination Meter 2. Wire Harness 3. Turn Signal and Hazard Warning System	BE-77 – BE-47
Shift indicator lights do not come on.	1. Park/Neutral Position Switch 2. Wire Harness 3. Combination Meter 4. ECM	DI-410 – BE-77 DI-40
Only one shift indicator does not come on.	1. Combination Meter	BE-77
Malfunction indicator light does not come on.	1. Combination Meter 2. Wire Harness 3. ECM	BE-77 – DI-1
ECT PWR indicator light does not come on.	1. ECT Pattern Select Switch 2. Wire Harness 3. Combination Meter 4. ECT System	DI-502 – BE-77 DI-366
2nd start ETCS indicator light does not come on.	1. Combination Meter 2. Wire Harness 3. ECM	BE-77 – DI-1
Center Diff. lock indicator light does not come on.	1. Bulb 2. Transfer 4WD Position Detection Switch 3. Wire Harness 4. Combination Meter	– TR-49 – BE-77
Indicator lights do not light up. (Except Turn, Hi-beam and security)	1. MET Fuse 2. Wire Harness	– –

DEFOGGER SYSTEM:

Symptom	Suspect Area	See page
All defogger systems do not operate.	1. DEFOG Fuse 2. DEFOG Relay 3. Wire Harness 4. Defogger Switch (Integration Control Panel Assembly)	– BE-101 – BE-101

BODY ELECTRICAL – TROUBLESHOOTING

Rear window defogger does not operate.	1. Defogger Wire 2. Choke Coil 3. Wire Harness 4. Rear Defogger Switch (Integration Control Panel Assembly)	BE-101 – – BE-101
Mirror defogger does not operate.	1. MIR HTR Fuse 2. Engine Room J/B Relay Circuit 3. Wire Harness 4. Mirror Defogger Switch (Integration Control Panel Assembly)	– BE-16 – BE-101

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. Wire Harness 3. Power Window Master Switch	– – BE-105
Only the driver's window does not operate.	1. Power Window Master Switch 2. Power Window Switch 3. Power Window Motor 4. Wire Harness 5. Body ECU (Main)	BE-105 BE-105 BE-105 – IN-36
"Window lock function" does not operate.	1. Power Window Master Switch	BE-105

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 (Main)	– BE-114 – DI-1400
Only one side door lock control does not operate.	1. Door Lock Motor 2. Wire Harness	BE-114 –
Door key related function does not operate.	1. Door Key Lock and Unlock Switch 2. Wire Harness 3. Body ECU (Main)	BE-114 – DI-1400
Key confinement prevention function does not operate.	1. Key Unlock Warning Switch 2. Door Courtesy Switch 3. Wire Harness	BE-30 BE-53 –

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 Control Switch (D) 3. Wire Harness 4. Power Seat Control ECU	– DI-1132 – DI-1132
Passenger's seat does not operate.	1. RH-SEAT Fuse 2. Wire Harness 3. Power Seat Control Switch (P)	– – BE-135

"Slide operation" does not operate.	1. Power Seat Control Switch (P) 2. Power Seat Control Switch (D) 3. Wire Harness 4. Slide Motor (D, P) 5. Power Seat Control ECU (D)	BE-135 DI-1132 – BE-135 DI-1132
"Front vertical operation" does not operate.	1. Power Seat Control Switch (P) 2. Power Seat Control Switch (D) 3. Wire Harness 4. Front Vertical Motor (D, P) 5. Power Seat Control ECU (D)	BE-135 DI-1132 – BE-135 DI-1132
"Lifter operation" does not operate.	1. Power Seat Control Switch (P) 2. Power Seat Control Switch (D) 3. Wire Harness 4. Lifter Motor (D, P) 5. Power Seat Control ECU (D)	BE-135 DI-1132 – BE-135 DI-1132
"Reclining operation" does not operate.	1. Power Seat Control Switch (P) 2. Power Seat Control Switch (D) 3. Wire Harness 4. Reclining Motor (D, P) 5. Power Seat Control ECU (D)	BE-135 DI-1132 – BE-135 DI-1132
"Lumbar support operation" does not operate.	1. Power Seat Control Switch (D) 2. Wire Harness 3. Lumbar Support Motor (D) 4. Power Seat Control ECU (D)	DI-1132 – BE-135 DI-1132

(D): Driver's Seat

(P): Passenger's Seat

POWER MIRROR CONTROL SYSTEM:

Symptom	Suspect Area	See page
Mirror does not operate.	1. ECU-B2 Fuse 2. ACC Fuse 3. Mirror Switch 4. Wire Harness	– BE-142 –
Mirror operates abnormally.	1. Mirror Switch 2. Mirror Motor 3. Wire Harness	BE-142 BE-142 –

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-152 – BE-152
Driver's seat heater does not operate.	1. Seat Heater Switch (D, P) 2. Wire Harness	BE-152 –
Passenger's seat heater does not operate.	1. Seat Heater Switch (D, P) 2. Wire Harness	BE-152 –
Seat heater temperature is too hot.	1. Seat Heater	BE-152

AUDIO SYSTEM:

Symptom	Suspect Area	See page
Audio system abnormal operation.	TROUBLESHOOTING	BE-160

MULTI DISPLAY SYSTEM:

Symptom	Suspect Area	See page
Multi display does not operate.	TROUBLESHOOTING NO.1	BE-209
Clock loses or gains time.	TROUBLESHOOTING NO.2	BE-209
Drive monitor function malfunction.	TROUBLESHOOTING NO.3	BE-209
Outer temperature display malfunction.	TROUBLESHOOTING NO.4	BE-209
Security indicator does not come on.	TROUBLESHOOTING	DI-1183 , DI-1247

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-216 – –
LED does not light up. (Even though either switch is pressed.)	1. Garage Door Opener Switch 2. Wire Harness	BE-216 –
LED does not light up. (Only one switch is pressed.)	Garage Door Opener Switch	BE-216

*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-1215

HORN SYSTEM:

Symptom	Suspect Area	See page
Horn system does not operate.	1. HORN Fuse 2. Horn 3. Horn Switch 4. Wire Harness 5. Engine Room J/B Relay Circuit	– BE-229 BE-229 – BE-16
Horns blow all the time.	1. Horn Switch 2. Wire Harness 3. Engine Room J/B Relay Circuit	BE-229 – BE-16
One horn operates but the other horn does not operate.	1. Horn 2. Wire Harness	BE-229 –
Horns operate abnormally.	1. Engine Room J/B Relay Circuit 2. Horn 3. Wire Harness	BE-229 BE-229 –