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Service Category: Vehicle Exterior	Section: Lighting (ext)	
Model Year: 2008	Model: ES350	Doc ID: RM000000PKN00LX
Title: LIGHTING: LIGHTING SYSTEM: PROBLEM SYMPTOMS TABLE (2008 ES350)		

PROBLEM SYMPTOMS TABLE

1. Headlight system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
One side LO-beam headlight does not illuminate	1. H-LP RL fuse or H-LP LL fuse	-
	2. Bulb	-
	3. Harness or connector	-
	4. Power distributor (Engine room J/B)	-
Both left and right LO-beam headlights do not illuminate	1. Light control switch circuit	INFO
	2. Headlight relay circuit	INFO
	3. Main body ECU (Instrument panel J/B)	-
One side HI-beam headlight does not illuminate	1. H-LP RH fuse or H-LP LH fuse	-
	2. Bulb	-
	3. Harness or connector	-
	4. Power distributor (Engine room J/B)	-
Both left and right HI-beam headlights do not illuminate	1. Light control switch circuit	INFO
	2. Headlight (HI-BEAM) circuit	INFO
	3. Main body ECU (Instrument panel J/B)	-
"HIGH FLASH" (Passing) does not illuminate	1. Light control switch circuit	INFO
	2. Main body ECU (Instrument panel J/B)	-
LO-beam headlights or HI-beam headlights do not go off	1. Headlight dimmer switch assembly	INFO
	2. Power distributor (Engine room J/B)	-
	3. Harness or connector	-
	4. Main body ECU (Instrument panel J/B)	-

2. Daytime running light system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Daytime running light system does not operate	1. Light control switch circuit	INFO
	2. Parking brake switch circuit	INFO
	3. Power distributor (Engine room J/B)	-
	4. Main body ECU (Instrument panel J/B)	-
	5. ECM	-

3. Taillight system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Front parking light does not illuminate	1. Bulb	-
	2. Harness or connector	-
Rear taillight does not illuminate	1. Bulb	-
	2. Light failure sensor	INFO
	3. Harness or connector	-
License plate light does not illuminate	1. License plate light assembly	-
	2. Harness or connector	-
Rear side marker light does not illuminate	1. Bulb	-
	2. Harness or connector	-
Taillight system does not operate (Rear taillight, parking lights, rear side marker light, and license plate lights do not illuminate)	1. TAIL fuse	-
	2. Taillight relay	INFO
	3. Light control switch circuit	INFO
	4. Taillight relay circuit	INFO
	5. Main body ECU (Instrument panel J/B)	-

4. Stop light system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Stop light system does not operate	1. Stop fuse	-
	2. Stop light switch	INFO
	3. Stop light control relay (with dynamic radar cruise control)	INFO
	4. Harness or connector	-
One side stop light does not illuminate	1. Bulb	-
	2. Harness or connector	-
Both left and right stop lights do not illuminate	1. Bulb	-
	2. Light failure sensor	INFO
	3. Harness or connector	-
Hi-mounted stop light does not illuminate	1. High mounted stop light assembly	-
	2. Harness or connector	-

5. Front fog light system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
One side fog light does not illuminate	1. Bulb	-
	2. Harness or connector	-
	1. FR FOG fuse	-

Both left and right fog lights do not illuminate (Taillight system is normal)	2. FOG relay	INFO
	3. Light control switch circuit	INFO
	4. Front fog light circuit	INFO
	5. Main body ECU (Instrument panel J/B)	-

6. Turn signal and hazard warning system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Hazard warning lights do not operate (Turn signal lights are normal)	1. HAZ fuse	-
	2. Hazard warning signal switch	INFO
	3. Turn signal flasher assembly	INFO
	4. Harness or connector	-
Turn signal lights do not operate (Hazard warning lights are normal)	1. GAUGE No. 1 fuse	-
	2. Headlight dimmer switch assembly (Turn signal switch)	INFO
	3. Turn signal flasher assembly	INFO
	4. Harness or connector	-
"Hazard" and "Turn" do not operate	1. Turn signal flasher assembly	INFO
	2. Hazard warning signal switch	INFO
	3. Headlight dimmer switch assembly (Turn signal switch)	INFO
	4. Harness or connector	-
Turn signal lights do not operate in one direction	1. Headlight dimmer switch assembly (Turn signal switch)	INFO
	2. Turn signal flasher assembly	INFO
	3. Harness or connector	-
Only one bulb does not operate	1. Bulb	-
	2. Harness or connector	-

7. Back-up light system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
One side back-up light does not illuminate	1. Bulb	-
	2. Harness or connector	-
Both left and right back-up lights do not illuminate	1. GAUGE No. 1 fuse	-
	2. Park/Neutral position switch	INFO
	3. Harness or connector	-

8. Illuminated entry system (Interior light control):

SYMPTOM	SUSPECTED AREA	SEE PAGE
Only interior light does not illuminate	1. Personal light assembly	INFO
Only rear seat illumination does not come on	1. Rear room light assembly	INFO
	2. Harness or connector	-
Only front seat illumination does not come on	1. Personal light assembly	INFO
Only rear door courtesy light does not illuminate	1. Bulb	-
	2. Rear door courtesy light assembly	INFO
	3. Harness or connector	-
Engine switch illumination does not illuminate	1. Engine switch illumination circuit	INFO
	2. Main body ECU (Instrument panel J/B)	-
Interior light and seat illumination do not illuminate	1. Interior light circuit	INFO
	2. Main body ECU (Instrument panel J/B)	-
Interior light control (Interior light, seat illumination and engine switch illumination) does not operate normally	1. Door courtesy switch circuit	INFO
	2. Door lock position switch circuit	INFO
	3. Interior light circuit	INFO
	4. Engine switch illumination circuit	INFO
	5. Engine switch	INFO
	6. Harness or connector	-
	7. Main body ECU (Instrument panel J/B)	-

9. Illuminated entry system (Footwell illumination control):

SYMPTOM	SUSPECTED AREA	SEE PAGE
One side footwell illumination does not come on	1. Footwell light	INFO
	2. Harness or connector	-
Footwell illumination control does not operate normally (Interior light control is normal)	1. Footwell light circuit	INFO
	2. Main body ECU	-

10. Illuminated entry system (Door mirror foot light control):

SYMPTOM	SUSPECTED AREA	SEE PAGE

One side door mirror foot light does not come on	1. Door mirror foot light	INFO
	2. Harness or connector	-
Door mirror foot light control does not operate normally (Footwell illumination control is normal)	1. Door mirror foot light circuit	INFO
	2. Mirror ECU power source circuit	INFO
	3. Mirror ECU	-
	4. Main body ECU	-

11. Vanity light system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Vanity light does not illuminate	1. Bulb	-
	2. Visor assembly (Vanity light switch)	-
	3. Harness or connector	-

12. Luggage compartment light system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Luggage compartment light does not illuminate	1. Luggage compartment light	INFO
	2. Luggage compartment door lock assembly (Door courtesy switch)	INFO
	3. Harness or connector	-

13. Glove box light system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Glove box light does not illuminate	1. Glove box light assembly	INFO
	2. Harness or connector	-

14. Door courtesy light system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Driver side door courtesy light does not illuminate	1. Bulb	-
	2. Driver side door courtesy light assembly	INFO
	3. Driver side door courtesy switch	INFO
	4. Harness or connector	-
Front passenger side door courtesy light does not illuminate	1. Bulb	-
	2. Front passenger side door courtesy light assembly	INFO
	3. Front passenger side door courtesy switch	INFO

	4. Harness or connector	-
Rear LH door courtesy light does not illuminate	1. Bulb	-
	2. Rear LH door courtesy light assembly	INFO
	3. Rear LH door courtesy switch	INFO
	4. Harness or connector	-
Rear RH door courtesy light does not illuminate	1. Bulb	-
	2. Rear RH door courtesy light assembly	INFO
	3. Rear RH door courtesy switch	INFO
	4. Harness or connector	-

15. Personal light system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Front personal lights do not illuminate	1. Personal light assembly	INFO
	2. Harness or connector	-
Rear LH personal lights do not illuminate	1. Rear LH room light assembly	INFO
	2. Harness or connector	-
Rear RH personal lights do not illuminate	1. Rear RH room light assembly	INFO
	2. Harness or connector	-

16. Automatic light control system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Automatic light control system does not operate normally	1. Light control switch circuit	INFO
	2. Automatic light control sensor circuit	INFO
	3. Engine switch	INFO
	4. Harness or connector	-
	5. Main body ECU (Instrument panel J/B)	-

17. Light auto turn off system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Light auto turn off system does not operate normally	1. Light control switch circuit	INFO
	2. Door courtesy switch circuit	INFO
	3. Door lock position switch circuit	INFO
	4. Engine switch	INFO
	5. Harness or connector	-
	6. Main body ECU (Instrument panel J/B)	-

18. Battery saving system:

SYMPTOM	SUSPECTED AREA	SEE PAGE
Battery saving function does not operate	1. Door courtesy switch circuit	INFO
	2. Engine switch	INFO
	3. Harness or connector	-
	4. Main body ECU (Instrument panel J/B)	-

19. AFS

SYMPTOM	SUSPECTED AREA	SEE PAGE
AFS does not operate.	1. Check DTC	-
	1. Power source circuit	INFO
	2. AFS OFF switch circuit	INFO
	3. AFS ECU	-
AFS OFF indicator light does not come on when turning the engine switch on (IG)	1. AFS ECU	-
	2. Combination meter	-

