

# SECTION LT

## LIGHTING SYSTEM

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# PRECAUTION

## PRECAUTION

PFP:00011

### Precautions for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

EKS0079M

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the SRS and SB section of this Service Manual.

#### **WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SRS section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harness connectors.

## Precaution

EKS003KS

- Do not touch the glass of bulb directly by hand. Keep grease and other oily matters away from it. Do not touch bulb by hand while it is lit or right after being turned off. Burning may result.
- Do not leave bulb out of headlamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of the headlamp. When replacing the bulb, be sure to replace it with a new one.
- Adjust aiming by tightening aiming screw. (To adjust it toward loosening side, first loosen adjusting screw, and then make adjustment by tightening.)
- To remove soil or sealant of bulbs, do not use organic solvent (thinner, gasoline, etc.)
- When replacing bulb, be sure to hold bulb socket and pull it out straight. If wiring harness of the bulb is pulled at an angle, the bulb may be caught in the lamp, making it difficult to take out.

## Wiring Diagrams and Trouble Diagnosis

EKS003KT

When you read wiring diagrams, refer to the followings:

- Refer to [GI-13, "How to Read Wiring Diagrams"](#) in GI section
- Refer to [PG-2, "POWER SUPPLY ROUTING"](#) for power distribution circuit in PG section

When you perform trouble diagnosis, refer to the followings:

- Refer to [GI-10, "HOW TO FOLLOW TEST GROUPS IN TROUBLE DIAGNOSES"](#) in GI section
- Refer to [GI-23, "How to Perform Efficient Diagnosis for an Electrical Incident"](#) in GI section

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## HEADLAMP

PFP:26010

### System Description DESCRIPTION

SMA for models with roof mounted driving lamp

EKS003CD

The headlamps are controlled by the lighting switch which is built into the combination switch. Power is supplied at all times

- to lighting switch terminal 8
- through 15A fuse (No. 40, located in the fuse and fusible link box), and
- to lighting switch terminal 5
- through 15A fuse (No. 41, located in the fuse and fusible link box).

### LOW BEAM OPERATION

When the lighting switch is turned to the 2ND position and placed in LOW ("B") position, power is supplied

- from lighting switch terminal 10
- to terminal 3 of the headlamp LH, and
- from lighting switch terminal 7
- to terminal 3 of the headlamp RH.

Terminal 2 of each headlamp supplies ground through body grounds E24 and E50.

With power and ground supplied, the low beams will illuminate.

### HIGH BEAM OPERATION/FLASH-TO-PASS OPERATION

When the lighting switch is turned to the 2ND position and placed in HIGH ("A") position or PASS ("C") position, power is supplied

- from lighting switch terminal 6
- to terminal 1 of headlamp RH, and
- from lighting switch terminal 9
- to terminal 1 of headlamp LH, and
- to combination meter terminal 61 (LHD models) or 50 (RHD models) for the HIGH BEAM indicator.

Ground is supplied to terminal 60 (LHD models) or 49 (RHD models) of the combination meter through body grounds M27 and M70.

Ground is supplied to terminal 2 of each headlamp through body grounds E24 and E50.

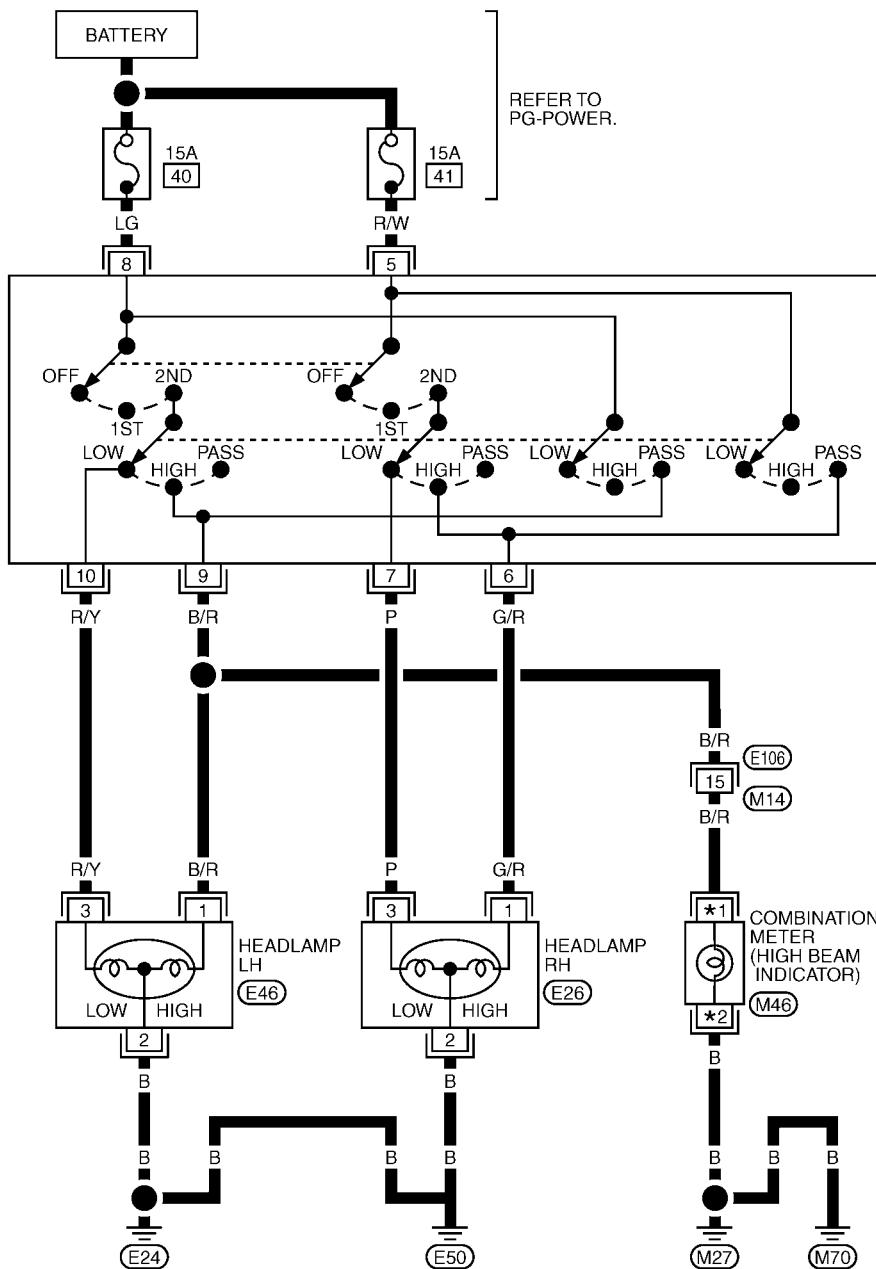
With power and ground supplied, the high beams and the HIGH BEAM indicator illuminate.

# HEADLAMP

## Wiring Diagram — H/LAMP —

EKS003CE

LT-H/LAMP-01



◇ L : LHD MODELS

◇ R : RHD MODELS

\*1 61 : ◇ L

50 : ◇ R

\*2 60 : ◇ L

49 : ◇ R

COMBINATION  
SWITCH  
(LIGHTING  
SWITCH)  
(E110)

45 46 47 48 49 50  
56 57 58 59 60 61 62 63 64 65 66 67 68

M46  
W: ◇ L  
BR: ◇ R

51 52 53 54 55  
E26, E46  
B, B

1 2 3  
8 9 10 11 12 13 14 15 16  
E106  
BR

2 1 3  
10 7 6 5 9 12 11  
E110  
BR

TKWA0059E

# HEADLAMP

## Trouble Diagnoses

EKS003CF

Symptom	Possible cause	Repair order
Headlamp LH do not operate.	1. Bulb 2. Grounds E24 and E50 3. 15A fuse 4. Lighting switch	1. Check bulb. 2. Check grounds E24 and E50. 3. Check 15A fuse (No. 40, located in fuse and fusible link box). Verify battery positive voltage is present at terminal 8 of lighting switch. 4. Check lighting switch.
Headlamp RH do not operate.	1. Bulb 2. Grounds E24 and E50 3. 15A fuse 4. Lighting switch	1. Check bulb. 2. Check grounds E24 and E50. 3. Check 15A fuse (No. 41, located in fuse and fusible link box). Verify battery positive voltage is present at terminal 5 of lighting switch. 4. Check lighting switch.
High beam LH do not operate, but low beam LH operates.	1. Bulb 2. Open in high beam LH circuit 3. Lighting switch	1. Check bulbs. 2. Check the wire between lighting switch terminal 9 and headlamp LH terminal 1 for an open circuit. 3. Check lighting switch.
Low beam LH does not operate, but high beam LH operates.	1. Bulb 2. Open in low beam LH circuit 3. Lighting switch	1. Check bulb. 2. Check the wire between lighting switch terminal 10 and headlamp LH terminal 3 for an open circuit. 3. Check lighting switch.
High beam RH do not operate, but low beam RH operates.	1. Bulb 2. Open in high beam RH circuit 3. Lighting switch	1. Check bulbs. 2. Check the wire between lighting switch terminal 6 and headlamp RH terminal 1 for an open circuit. 3. Check lighting switch.
Low beam RH does not operate, but high beam RH operates.	1. Bulb 2. Open in low beam RH circuit 3. Lighting switch	1. Check bulb. 2. Check the wire between lighting switch terminal 7 and headlamp RH terminal 3 for an open circuit. 3. Check lighting switch.
High beam indicator does not work.	1. Bulb 2. Grounds M27 and M70 3. Open in high beam circuit	1. Check bulb in combination meter. 2. Check grounds M27 and M70. 3. Check the wire between lighting switch terminal 9 and combination meter terminal 61(LHD models) or 50(RHD models) for an open circuit.

## Aiming Adjustment

EKS003CG

When performing headlamp aiming adjustment, use an aiming machine, aiming wall screen or headlamp tester. Aimers should be in good repair, calibrated and operated in accordance with respective operation manuals.

If any aimer is not available, aiming adjustment can be done as follows:

For details, refer to the regulations in your own country.

- Keep all tires inflated to correct pressures.
- Place vehicle and tester on one and same flat surface.
- See that there is no-load in vehicle (coolant, engine oil filled up to correct level and full fuel tank) other than the driver (or equivalent weight placed in driver's position).

# HEADLAMP

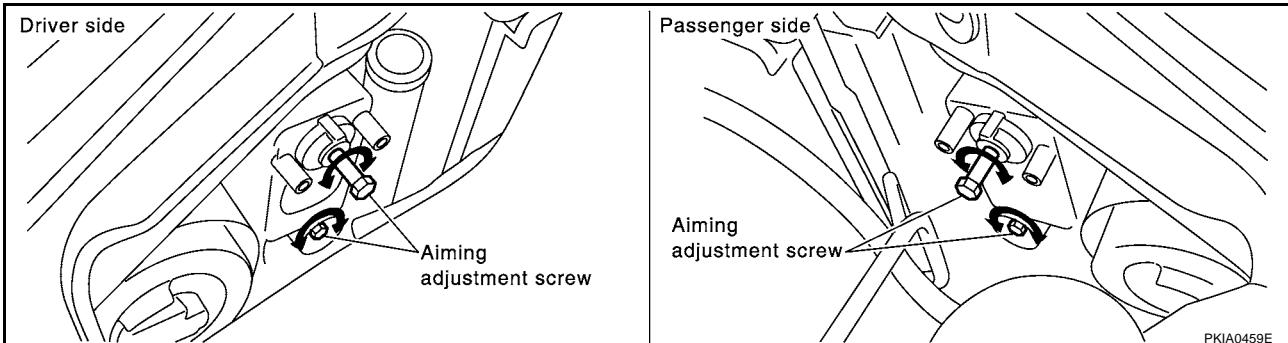
## CAUTION:

Be sure aiming switch is set to "0" when performing aiming adjustment.

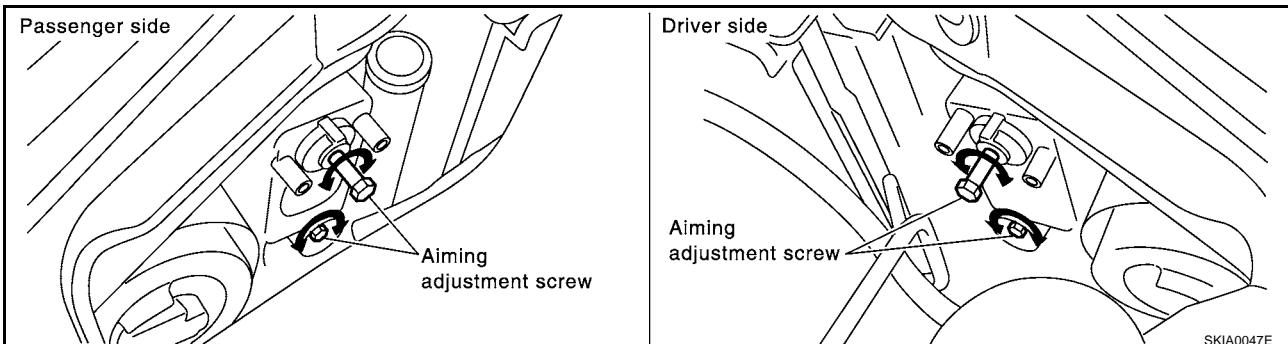
## LOW BEAM

1. Turn headlamp low beam on.

LHD models



RHD models



2. Use adjusting screws to perform aiming adjustment.

- First tighten the adjusting screw all the way and then make adjustment by loosening the screw.

If the vehicle front body has been repaired and/or the headlamp assembly has been replaced, check aiming. Use the aiming chart shown in the figure.

- Adjust headlamps so that main axis of light is parallel to center line of body and is aligned with point P shown in illustration.
- Figure to the left shows headlamp aiming pattern for driving on right side of road; for driving on left side of road, aiming pattern is reversed.
- Dotted lines to point P in illustration show center of headlamp.

"H" : Horizontal center line of headlamps

"WL" : Distance between each headlamp center

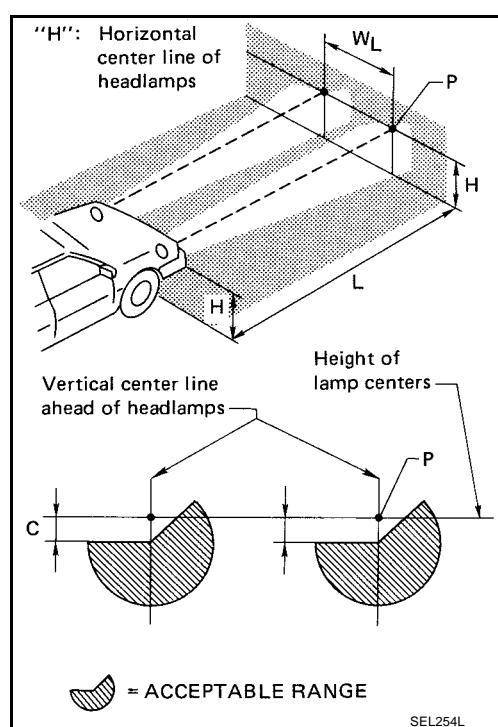
"L" : 5,000mm (196.85 in)

"C" : 65mm (2.56 in)

- Basic illuminating area for adjustment should be within the range shown at left. Adjust headlamps accordingly.

## CAUTION:

Be sure aiming switch is set to "0" when performing aiming adjustment.

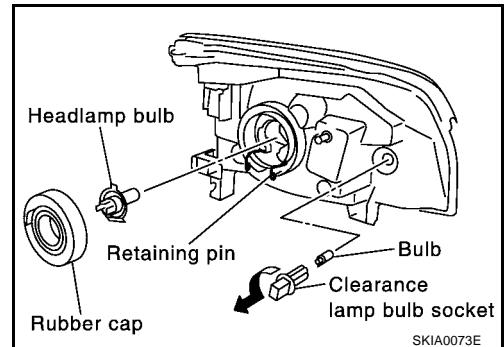


## Bulb Replacement HEAD LAMP

EKS003CH

1. Disconnect connector of headlamp.
2. Remove rubber cap.
3. Unlock retaining spring, then remove bulb.

**Headlamp (High/Low)** : 12V 60/55 W(H4)



SKIA0073E

## CLEARANCE LAMP

1. Turn the RH bulbsocket clockwise and unlock it.  
Turn the LH bulbsocket counterclockwise and unlock it.
2. Remove the bulb from its socket.

**Clearance lamp** : 12V 5W

### CAUTION:

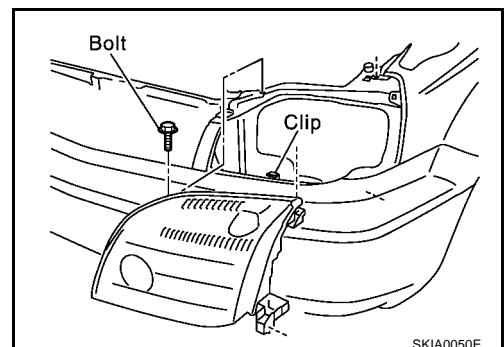
- Do not touch the glass of bulb directly by hand. Keep grease and other oily matters away from it. Do not touch bulb by hand while it is lit or right after being turned off. Burning may result.
- Do not leave bulb out of headlamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of headlamp. When replacing bulb, be sure to replace it with new one.
- When bulb is installed, be sure to lock rubber cap to ensure watertightness.

## Removal and Installation

EKS003CI

### REMOVAL

1. Remove the front turn signal lamps. Refer to [LT-22, "Removal and Installation for Front Turn Signal Lamp"](#)
2. Disconnect connector of headlamp and clearance lamp.
3. Remove the front grille. Refer to [EI-11, "FRONT GRILLE"](#) in "EXTERIOR & INTERIOR (EI)" section.
4. Remove the headlamp mounting bolts.
5. Pull the headlamp toward the front of the vehicle.



SKIA0050E

### INSTALLATION

- Install in the reverse order of removal, taking care of the following points.  
Headlamp mounting bolts

**Tightening torque** : 4.5 - 6.4 N·m (0.45 - 0.65 kg·m, 39 - 56 in·lb)

## HEADLAMP - DAYTIME LIGHT SYSTEM -

PFP:26010

### System Description DESCRIPTION

SMA for models with roof mounted driving lamp

EKS003BB

The headlamp system on vehicles for North Europe contains a daytime light control unit. The unit activates the following whenever the engine is running with the lighting switch in the OFF position:

- Low beam headlamps
- Parking, license, tail and illumination lamps

Power is supplied at all times

- through 10A fuse (No. 31, located in the fuse and fusible link box)
- to daytime light control unit terminal 1 and
- to lighting switch terminal 11.

Power is also supplied at all times

- through 15A fuse (No. 41, located in the fuse and fusible link box)
- to daytime light control unit terminal 3 and
- to lighting switch terminal 5.

Power is also supplied at all times

- through 15A fuse (No. 40, located in the fuse and fusible link box)
- to daytime light control unit terminal 2 and
- to lighting switch terminal 8.

With the ignition switch in the ON or START position, power is supplied

- through 10A fuse [No. 13, located in the fuse block (J/B)]
- to daytime light control unit terminal 7.

With the ignition switch in the START position, power is supplied

- through 10A fuse [No. 7, located in the fuse block (J/B)]
- to daytime light control unit terminal 6.

### HEADLAMP OPERATION (DAYTIME LIGHT CANCEL OPERATION)

When the lighting switch is turned to the 1st or 2nd position, power is supplied

- through lighting switch terminal 12,
- to daytime light control unit terminal 11.

Then daytime light will be canceled. And the lighting system operation will be the same as no daytime light system.

### DAYTIME LIGHT OPERATION

With the engine running and the lighting switch in the OFF position, power is supplied

- from alternator terminal 3
- to daytime light control unit terminal 8,
- through daytime light control unit terminal 5
- to terminal 3 of headlamp LH,
- through daytime light control unit terminal 4
- to terminal 3 of headlamp RH and
- through daytime light control unit terminal 10
- to tail lamp and illumination.

Ground is supplied to terminal 2 of each headlamp through body grounds E24 and E50.

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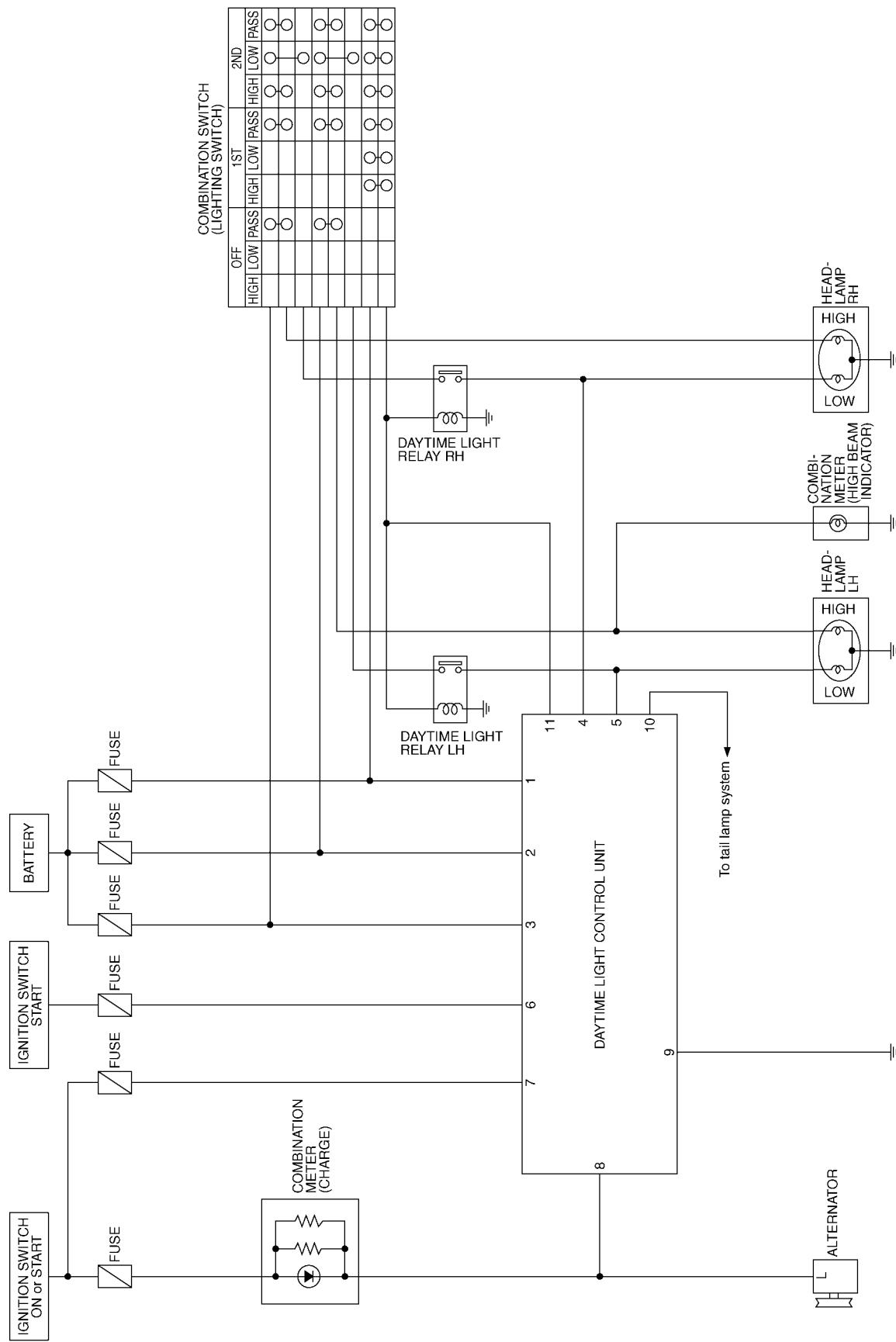
L

M

## **HEADLAMP - DAYTIME LIGHT SYSTEM -**

## Schematic

*EKS003BC*



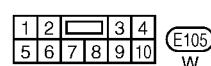
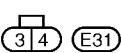
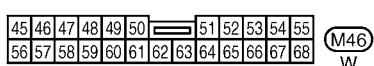
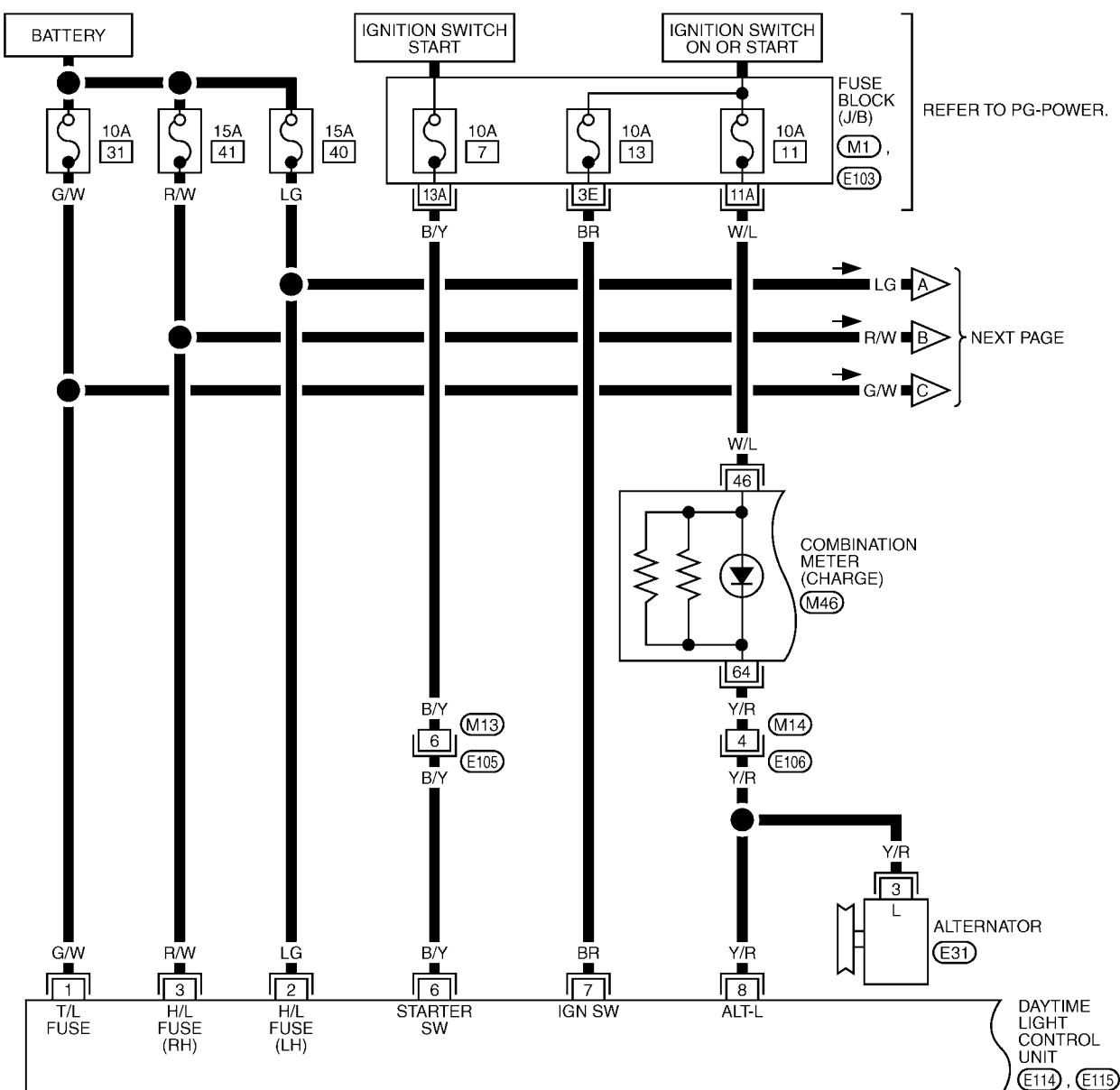
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# HEADLAMP - DAYTIME LIGHT SYSTEM -

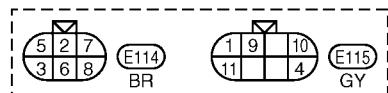
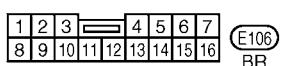
## Wiring Diagram -DTRL-

EKS003BD

LT-DTRL-01

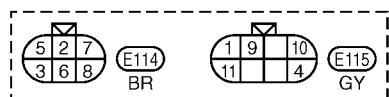
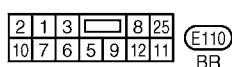
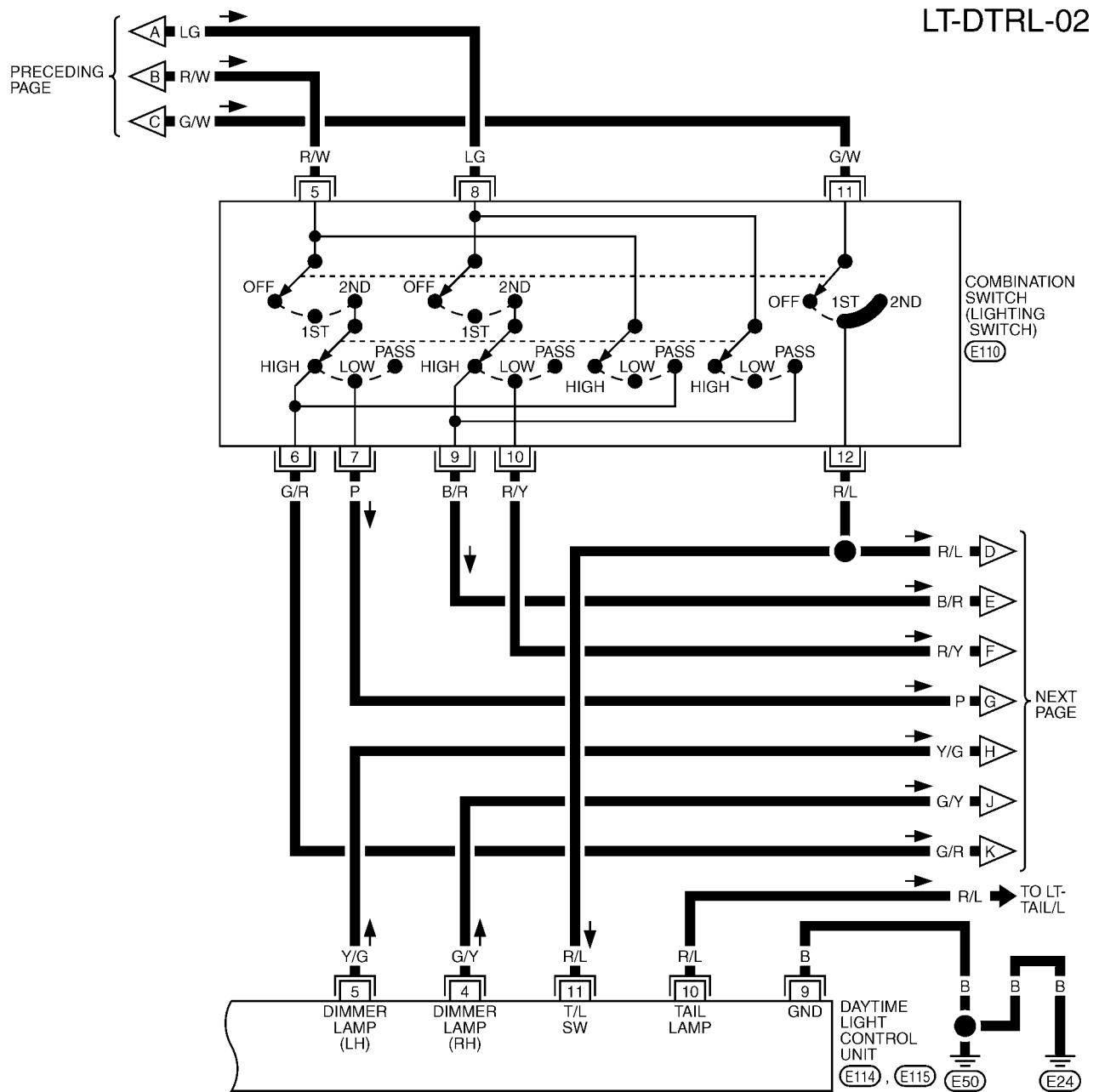


REFER TO THE FOLLOWING.  
 M1, E103 - FUSE BLOCK-JUNCTION BOX (J/B)



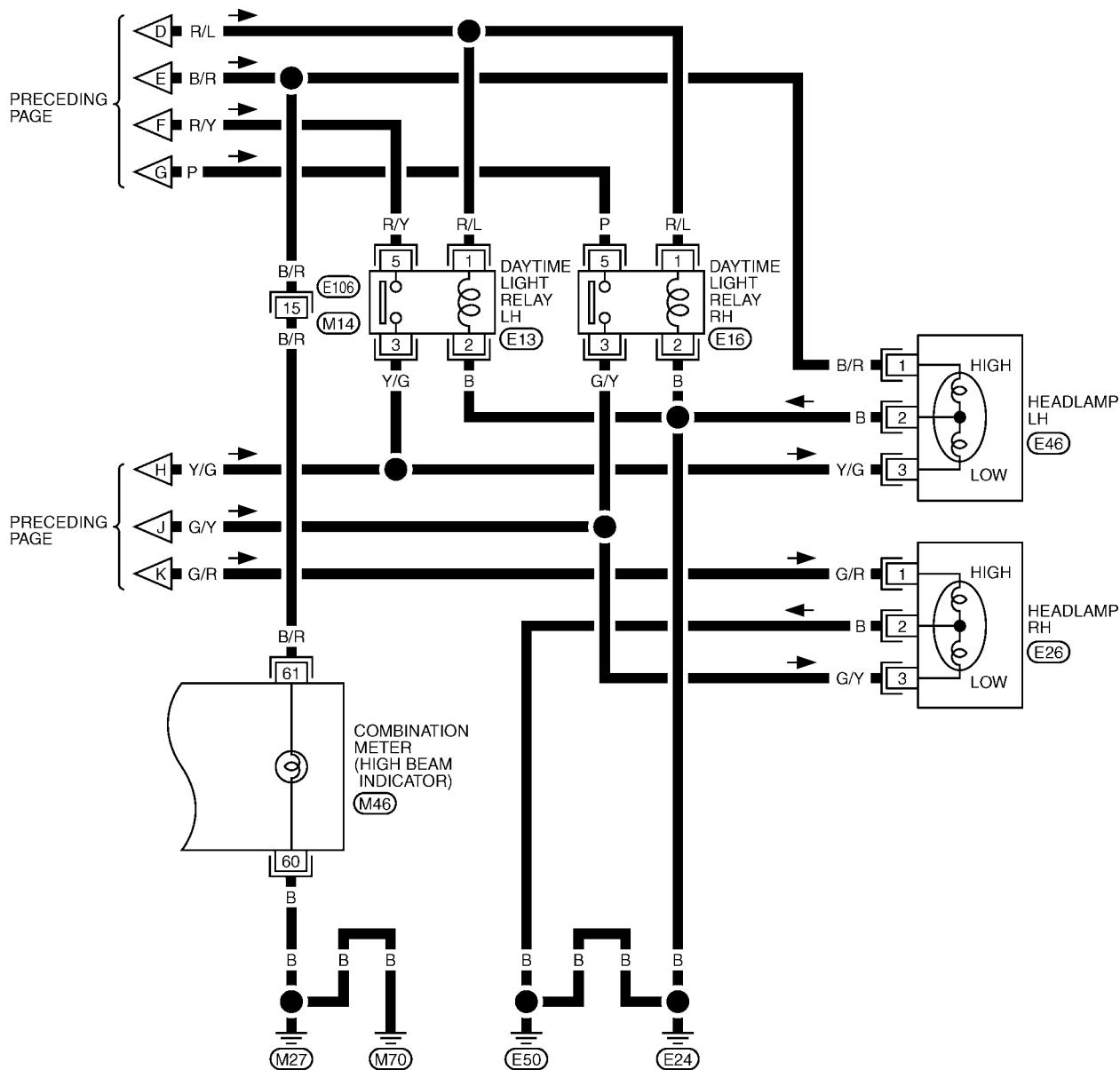
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## **HEADLAMP - DAYTIME LIGHT SYSTEM -**



# HEADLAMP - DAYTIME LIGHT SYSTEM -

LT-DTRL-03



45	46	47	48	49	50	51	52	53	54	55	(M46)	
56	57	58	59	60	61	62	63	64	65	66	67	68

W (E13), L (E16), L (E26), B (E46), B (E106), BR

# HEADLAMP - DAYTIME LIGHT SYSTEM -

## Trouble Diagnoses DAYTIME LIGHT CONTROL UNIT INSPECTION TABLE

EKS003CO

Terminal No.	WIRE COLOR	Connections	INPUT (I)/ OUTPUT (O)	Operated condition	Voltage (V) (Approximate values)
1	G/W	Power source for illumination & tail lamp	—	—	12
2	LG	Power source for head-lamp LH	—	—	12
3	R/W	Power source for head-lamp RH	—	—	12
4	G/Y	Headlamp RH	O	ON (daytime light operating*)	12
				OFF	0
5	Y/G	Headlamp LH	O	ON (daytime light operating*)	12
				OFF	0
6	B/Y	Start signal	I	Ignition switch	START
					ON, ACC or OFF
7	BR	IGN power supply	—	Ignition switch	ON or START
					ACC or OFF
8	Y/R	Alternator "L" terminal	I	Engine	Running
					Stopped
9	B	Ground	—	—	—
10	R/L	Illumination & tail lamp	O	ON (daytime light operating*)	12
				OFF	0
11	R/L	Lighting switch	I	1ST-2ND position	12
				OFF	0

\*: Daytime light operating: Lighting switch in "OFF" position with engine running.

## Bulb Replacement

EKS003CP

Refer to [LT-4, "HEADLAMP"](#)

## Aiming Adjustment

EKS003BE

Refer to [LT-4, "HEADLAMP"](#)

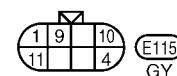
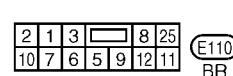
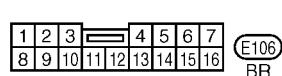
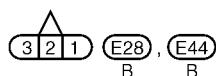
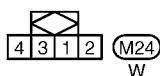
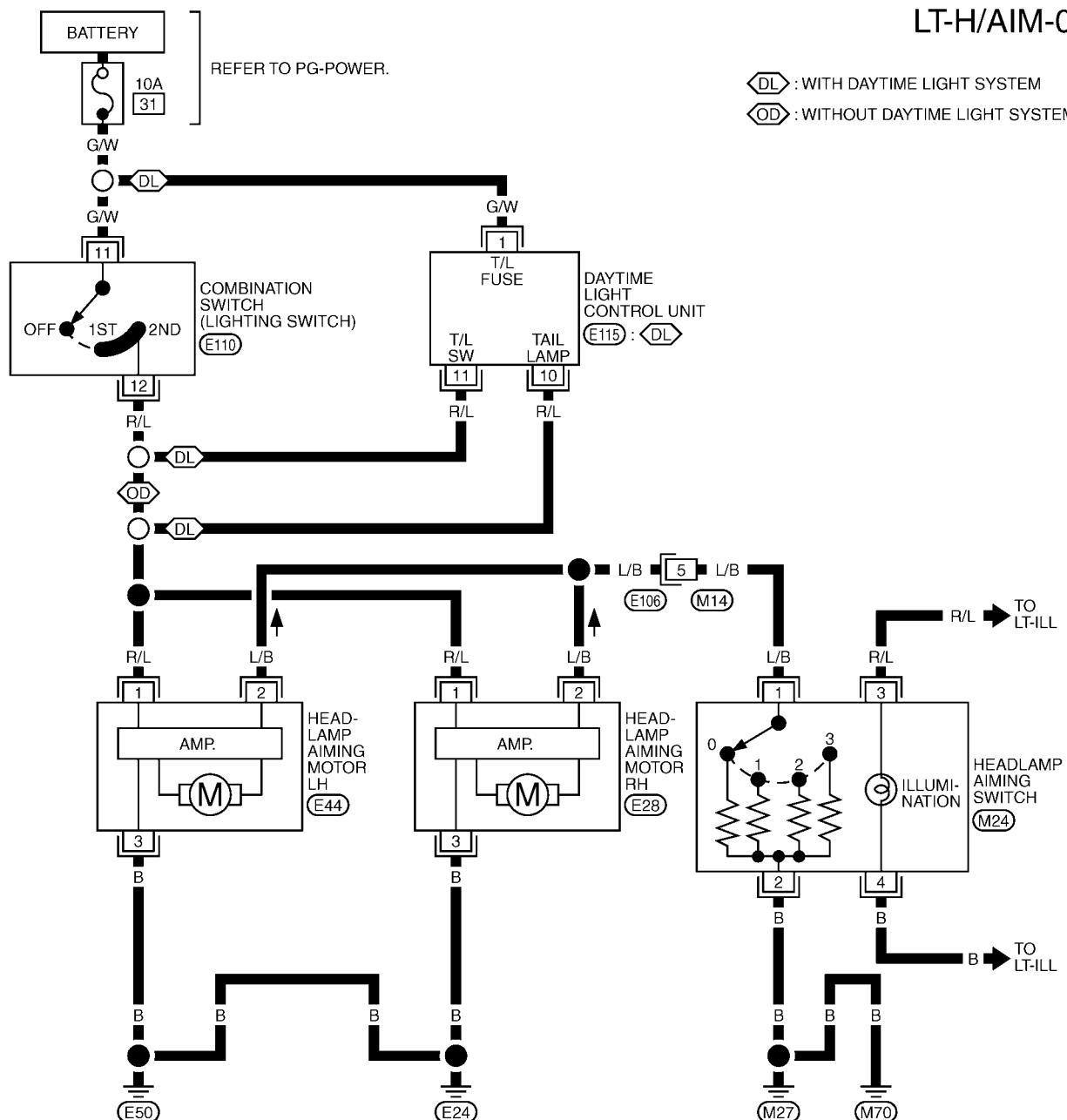
## HEADLAMP AIMING CONTROL

## HEADLAMP AIMING CONTROL

PFP:26010

## Wiring Diagram -H/AIM-

EKS003BF

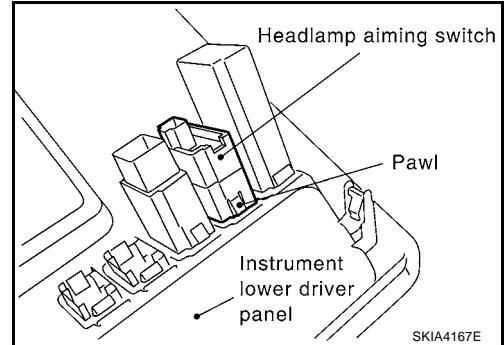


# HEADLAMP AIMING CONTROL

## Removal and Installation

EKS003CA

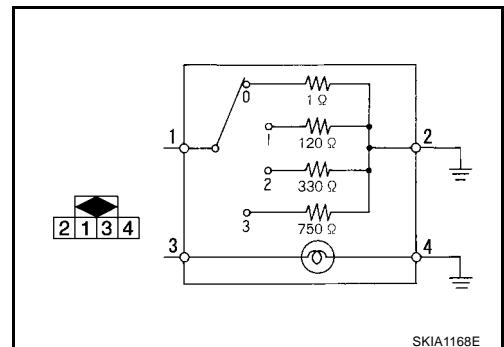
1. Remove the Instrument lower driver panel . Refer to [IP-5, "Removal and Installation"](#) in "INSTRUMENT PANEL (IP)" section.
2. Press the headlamp aiming switch fixing pawls and remove it from the Instrument lower driver panel.



## Switch Circuit Inspection

EKS003CB

Using a circuit tester, check continuity between the headlamp aiming switch connector terminals in each operation status of the aiming switch.



## TURN SIGNAL AND HAZARD WARNING LAMPS

PFP:26120

### System Description

#### TURN SIGNAL OPERATION

With the hazard switch in the OFF position and the ignition switch in the ON or START position, power is supplied

- through 10A fuse [No. 2, located in the fuse block (J/B)]
- to hazard switch terminal 2
- through terminal 1 of the hazard switch
- to combination flasher unit terminal 1
- through terminal 3 of the combination flasher unit
- to turn signal switch terminal 1.

Ground is supplied to combination flasher unit terminal 2 through body grounds M27 and M70.

#### LH Turn

When the turn signal switch is moved to the LH position, power is supplied from turn signal switch terminal 3 to

- front turn signal lamp LH terminal 1
- side turn signal lamp LH terminal 1
- combination meter terminal 57 (LHD models) or 12 (RHD models)
- rear combination lamp LH terminal 2.

Ground is supplied to the front turn signal lamp LH terminal 2 through body grounds E24 and E50.

Ground is supplied to the side turn signal lamp LH terminal 2 through body grounds E24 and E50.

Ground is supplied to the rear combination lamp LH terminal 4 through body grounds B8 and B18.

Ground is supplied to combination meter terminal 48 (LHD models) or 61 (RHD models) through body grounds M27 and M70.

With power and ground supplied, the combination flasher unit controls the flashing of the LH turn signal lamps.

#### RH Turn

When the turn signal switch is moved to the RH position, power is supplied from turn signal switch terminal 2 to

- front turn signal lamp RH terminal 1
- side turn signal lamp RH terminal 1
- combination meter terminal 12 (LHD models) or 46 (RHD models)
- rear combination lamp RH terminal 2.

Ground is supplied to the front turn signal lamp RH terminal 2 through body grounds E24 and E50.

Ground is supplied to the side turn signal lamp RH terminal 2 through body grounds E24 and E50.

Ground is supplied to the rear combination lamp RH terminal 4 through body grounds B8 and B18.

Ground is supplied to combination meter terminal 48 (LHD models) or 61 (RHD models) through body grounds M27 and M70.

With power and ground supplied, the combination flasher unit controls the flashing of the RH turn signal lamps.

#### HAZARD LAMP OPERATION

Power is supplied at all times to hazard switch terminal 3 through:

- through 10A fuse (No. 35, located in the fuse and fusible link box).

With the hazard switch in the ON position, power is supplied

- through terminal 1 of the hazard switch
- to combination flasher unit terminal 1
- through terminal 3 of the combination flasher unit
- to hazard switch terminal 4.

Ground is supplied to combination flasher unit terminal 2 through body grounds M27 and M70.

Power is supplied through terminal 5 of the hazard switch to

- front turn signal lamp LH terminal 1
- combination meter terminal 57 (LHD models) or 12 (RHD models)
- rear combination lamp LH terminal 2.

## TURN SIGNAL AND HAZARD WARNING LAMPS

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Power is supplied through terminal 6 of the hazard switch to

- front turn signal lamp RH terminal 1
- combination meter terminal 12 (LHD models) or 46 (RHD models)
- rear combination lamp RH terminal 2.

Ground is supplied to terminal 2 of each front and side turn signal lamp through body grounds E24 and E50.

Ground is supplied to terminal 4 of each rear combination lamp through body grounds B8 and B18.

Ground is supplied to combination meter terminal 48 (LHD models) or 61 (RHD models) through body grounds M27 and M27.

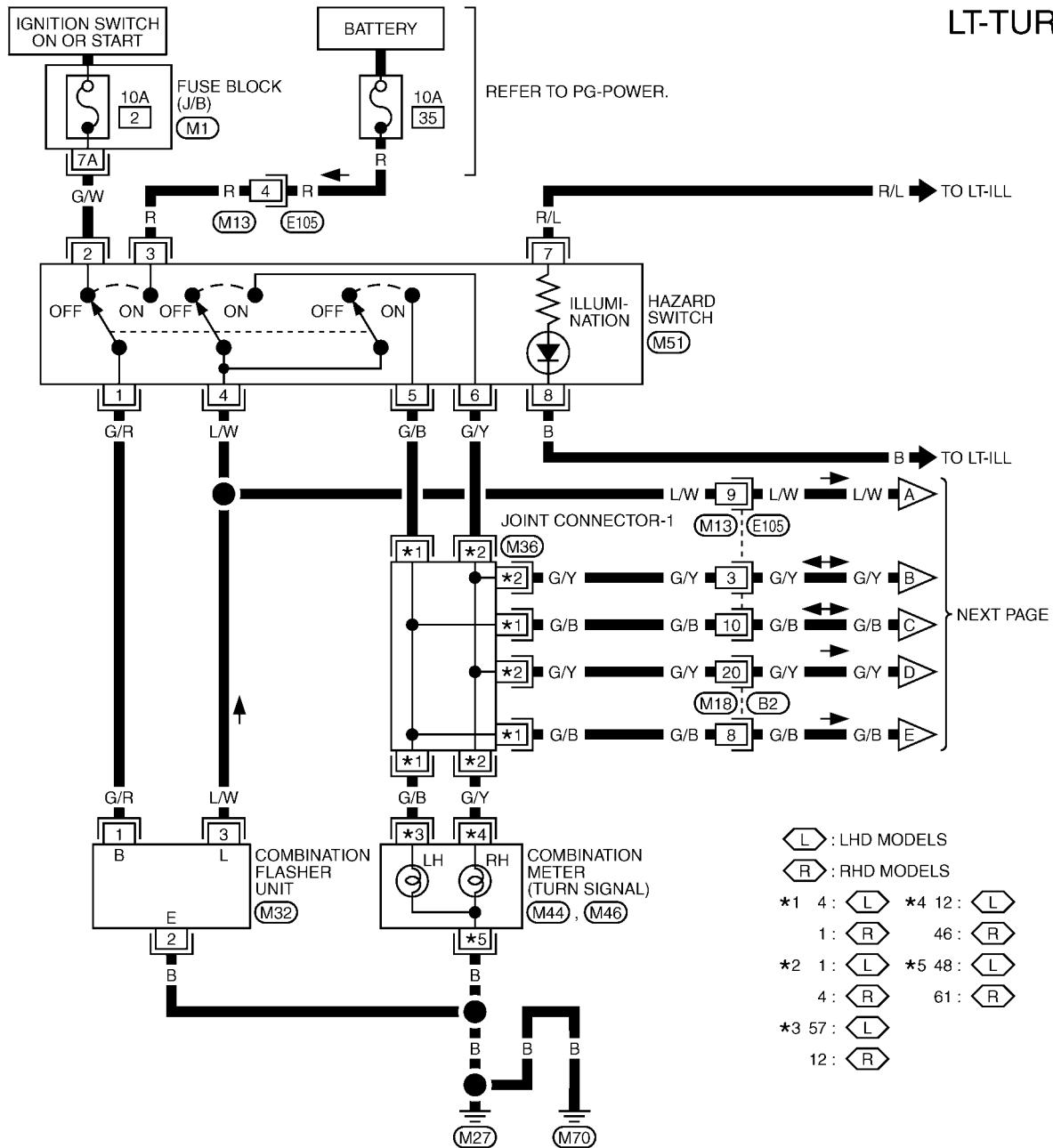
With power and ground supplied, the combination flasher unit controls the flashing of the hazard warning lamps.

## TURN SIGNAL AND HAZARD WARNING LAMPS

## **Wiring Diagram — TURN —**

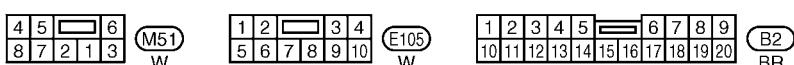
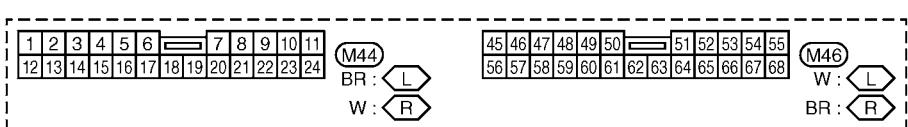
EKS003BY

LT-TURN-01



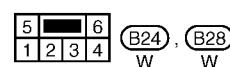
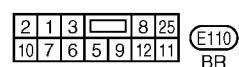
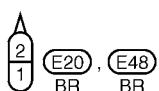
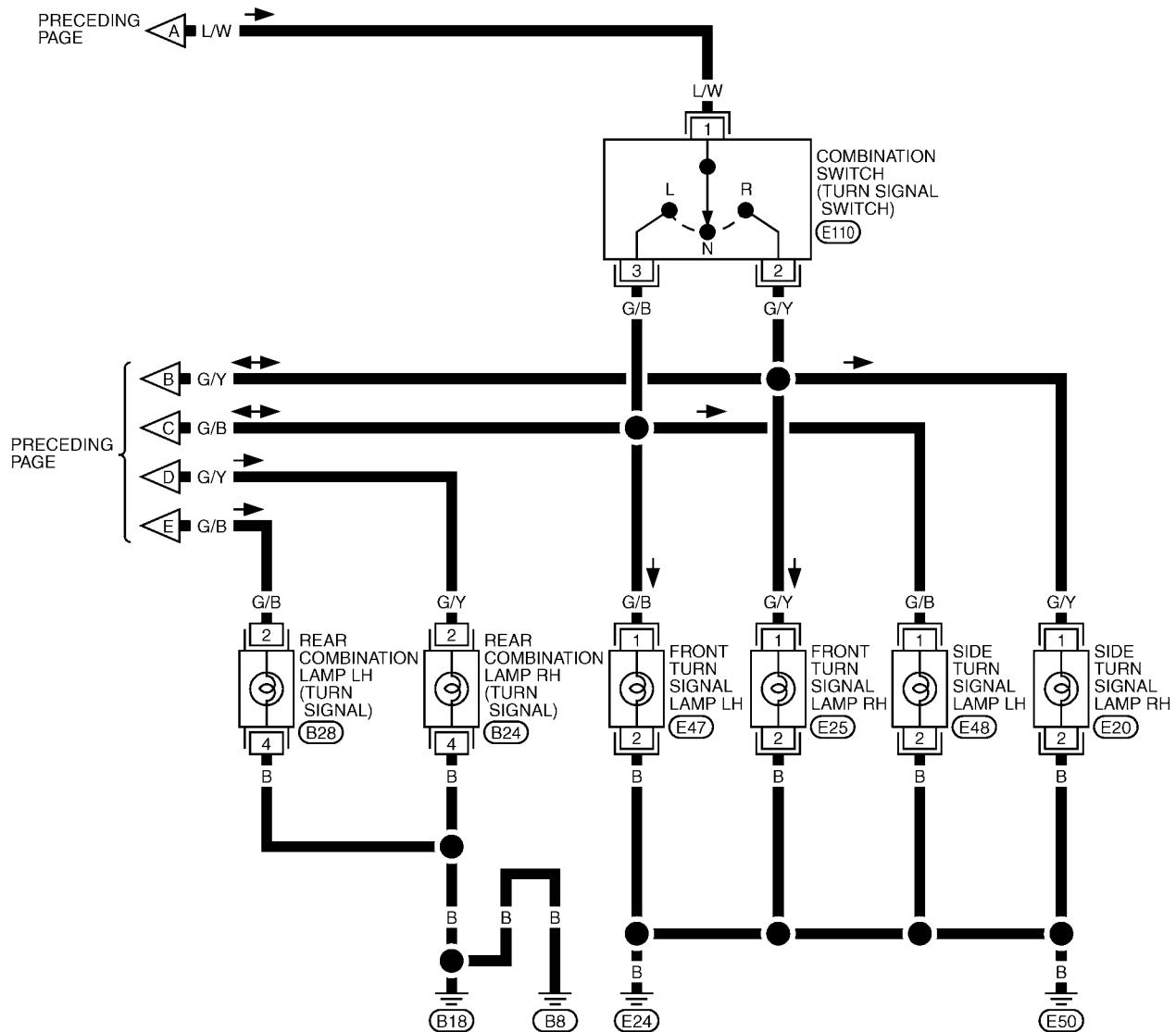
I BEEFEE TO THE FOLLOWING

**M1 -FUSE BLOCK-JUNCTION  
BOX (J/B)**



## TURN SIGNAL AND HAZARD WARNING LAMPS

LT-TURN-02



# TURN SIGNAL AND HAZARD WARNING LAMPS

## Trouble Diagnoses

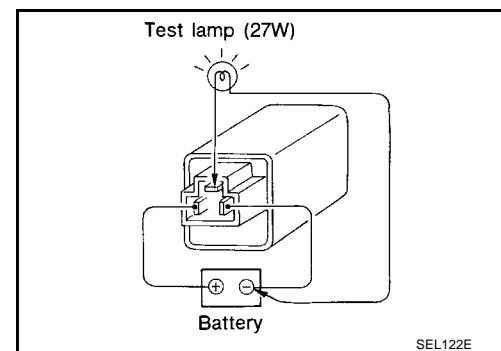
EKS003BG

Symptom	Possible cause	Repair order
Turn signal and hazard warning lamps do not operate.	1. Hazard switch 2. Combination flasher unit 3. Open in combination flasher unit circuit	1. Check hazard switch. 2. Refer to combination flasher unit check. 3. Check wiring to combination flasher unit for open circuit.
Turn signal lamps do not operate but hazard warning lamps operate.	1. 10A fuse 2. Hazard switch 3. Turn signal switch 4. Open in turn signal switch circuit	1. Check 10A fuse [No. 2, located in fuse block (J/B)]. Turn ignition switch ON and verify battery positive voltage is present at terminal 2 of hazard switch. 2. Check hazard switch. 3. Check turn signal switch. 4. Check the wire between combination flasher unit terminal 3 and turn signal switch terminal 1 for open circuit.
Hazard warning lamps do not operate but turn signal lamps operate.	1. 10A fuse 2. Hazard switch 3. Open in hazard switch circuit	1. Check 10A fuse (No. 35, located in the fuse and fusible link box). Verify battery positive voltage is present at terminal 3 of hazard switch. 2. Check hazard switch. 3. Check the wire between combination flasher unit terminal 3 and hazard switch terminal 4 for open circuit.
Front turn signal lamp LH or RH does not operate.	1. Bulb 2. Grounds E24 and E50	1. Check bulb. 2. Check grounds E24 and E50.
Rear turn signal lamp LH or RH does not operate.	1. Bulb 2. Grounds B8 and B18	1. Check bulb. 2. Check grounds B8 and B18.
Side turn signal lamp LH or RH does not operate.	1. Bulb 2. Grounds E24 and E50	1. Check bulb. 2. Check grounds E24 and E50.
LH and RH turn indicators do not operate.	1. Ground	1. Check grounds M27 and M70.
LH or RH turn indicator does not operate.	1. Bulb	1. Check bulb in combination meter.

## Electrical Components Inspection COMBINATION FLASHER UNIT CHECK

EKS0034C

- Before checking, ensure that bulbs meet specifications.
- Connect a battery and test lamp to the combination flasher unit, as shown. Combination flasher unit is properly functioning if it blinks when power is supplied to the circuit.



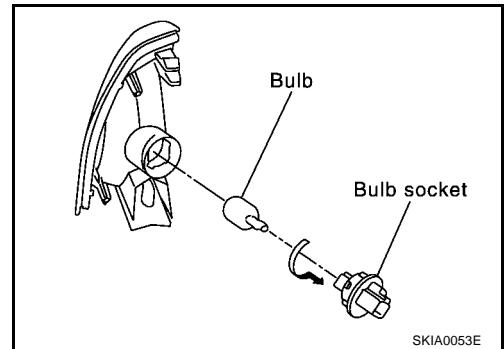
# TURN SIGNAL AND HAZARD WARNING LAMPS

## Bulb Replacement

### FRONT TURN SIGNAL LAMP

EKS0034D

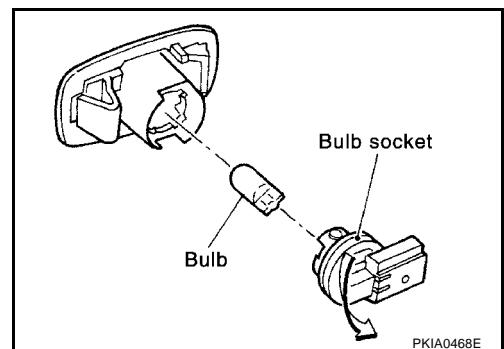
1. Remove the front turn signal lamp. Refer to [LT-22, "Removal and Installation for Front Turn Signal Lamp"](#)
2. Turn the bulb socket counterclockwise and unlock it.
3. Remove the bulb from its socket.



Front turn signal lamp : 12V 21W (amber)

### SIDE TURN SIGNAL LAMP

1. Remove side turn signal lamp. Refer to [LT-23, "Removal and Installation for Side Turn Signal Lamp"](#)
2. Turn the bulb socket counterclockwise and unlock it.
3. Remove the bulb from its socket.



Side turn signal lamp : 12V 5W

### REAR TURN SIGNAL LAMP

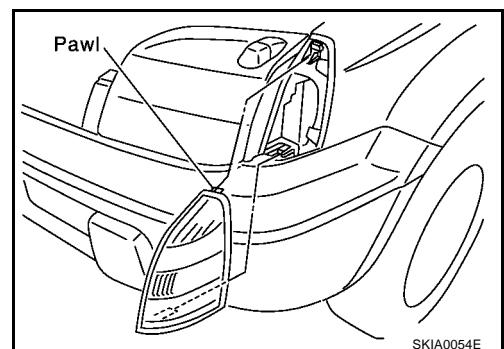
Refer to [LT-42, "REAR COMBINATION LAMP"](#)

## Removal and Installation for Front Turn Signal Lamp

EKS003BH

### REMOVAL

1. Press the upper pawl to remove front turn signal lamp toward the front of the vehicle.
2. Disconnect front turn signal lamp connector.



### INSTALLATION

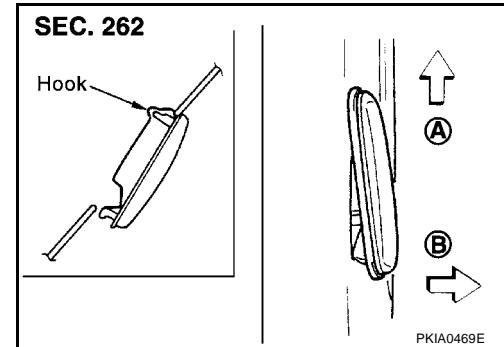
1. Connect front turn signal lamp connector.
2. Insert the pawl into head lamp hole, and install front turn signal lamp.

# TURN SIGNAL AND HAZARD WARNING LAMPS

## Removal and Installation for Side Turn Signal Lamp

EKS003BI

1. Push the side turn signal lamp toward A direction in the figure, and pull up B direction in the figure.
2. Disconnect the side turn signal lamp connector.



## Removal and Installation for Rear Turn Signal Lamp

EKS003BJ

Refer to [LT-42, "REAR COMBINATION LAMP"](#)

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# LIGHTING AND TURN SIGNAL SWITCH

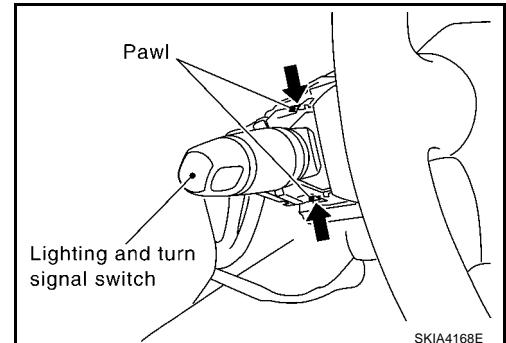
## LIGHTING AND TURN SIGNAL SWITCH

PFP:25540

### Removal and Installation

EKS0034F

1. Remove the steering column cover. Refer to [PS-9, "STEERING COLUMN"](#) in "POWER STEERING SYSTEM (PS)" section.
2. Remove lighting and turn signal switch fixing pawls and remove the lighting and turn signal switch from the spiral cable.



3. Disconnect the lighting and turn signal switch connector.

### Switch Circuit Inspection

EKS0034G

Using circuit tester, check continuity between the lighting and turn signal switch connector terminals in each operation status of the switch.

Lighting switch is refer to [LT-5, "Wiring Diagram — H/LAMP —"](#)

Turn signal lamp switch is refer to [LT-19, "Wiring Diagram — TURN —"](#)

Front fog lamp switch is refer to [LT-34, "Wiring Diagram — F/FOG —"](#)

Rear fog lamp switch is refer to [LT-37, "Wiring Diagram -R/FOG-/Without Front Fog Lamp"](#) , [LT-38, "Wiring Diagram -R/FOG-/With Front Fog Lamp"](#)

## HAZARD SWITCH

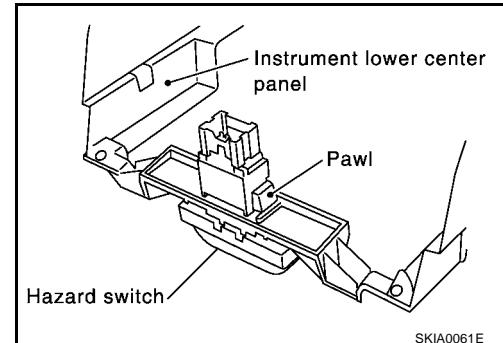
PFP:25290

### Removal and Installation

EKS003BZ

#### REMOVAL

1. Remove Instrument lower center panel. Refer to [IP-3, "INSTRUMENT PANEL ASSEMBLY"](#) in "INSTRUMENT PANEL (IP)" section.
2. Using a flat-bladed screwdriver or other suitable tool, press pawl to remove hazard switch from Instrument lower center panel.



#### INSTALLATION

Installation is in the reverse order of removal.

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## STOP LAMP

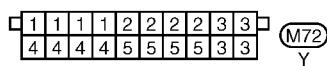
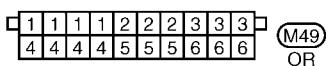
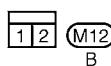
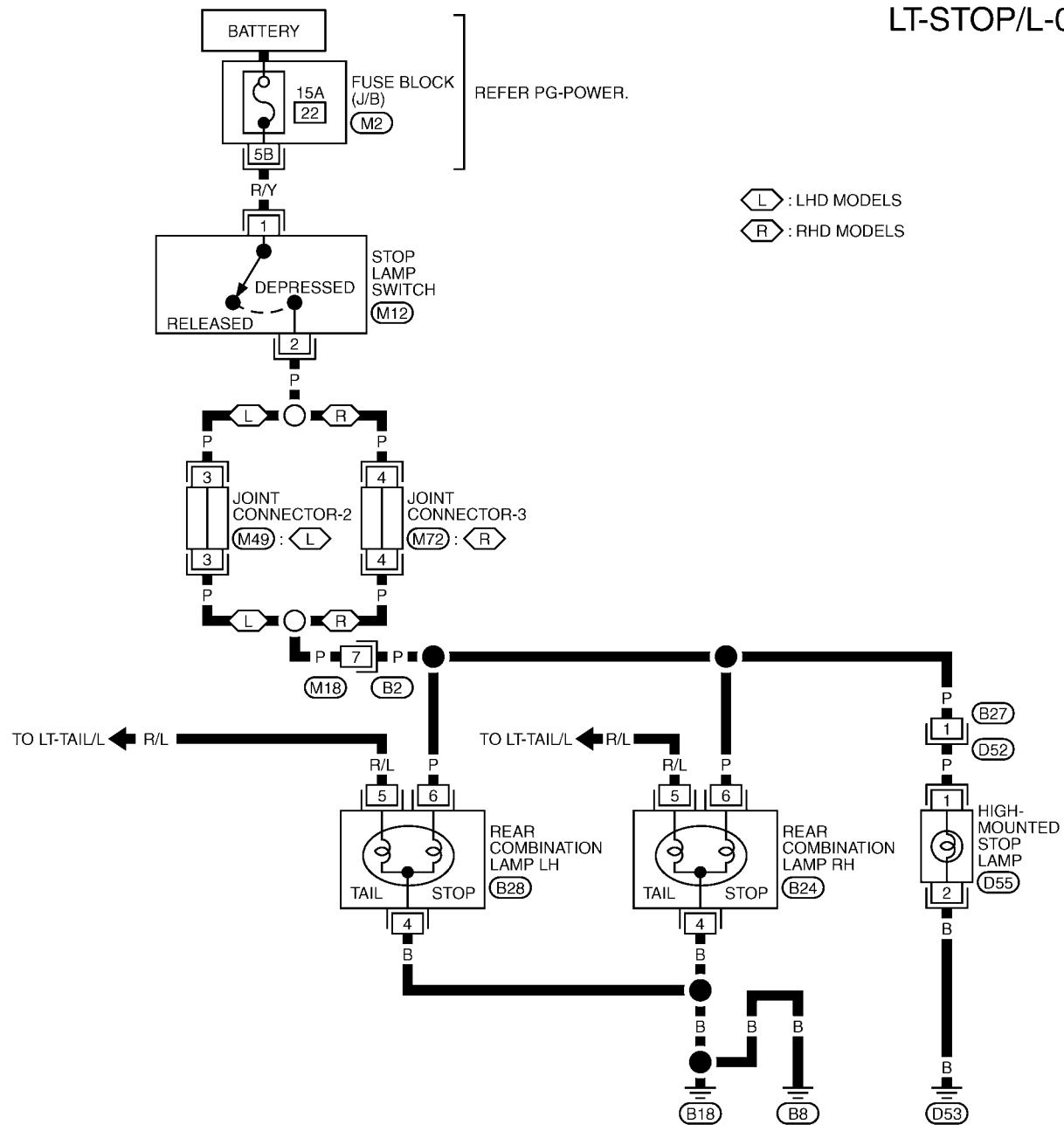
## **STOP LAMP**

PFP:26550

## Wiring Diagram — STOP/L —

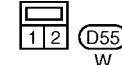
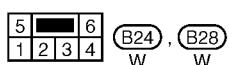
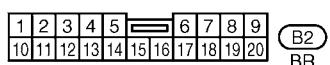
*EKS00341*

LT-STOP/L-01



I BEEFERS TO THE FOLLOWING

**M2 -FUSE BLOCK-JUNCTION  
BOX (J/B)**



# STOP LAMP

## Bulb Replacement STOP LAMP

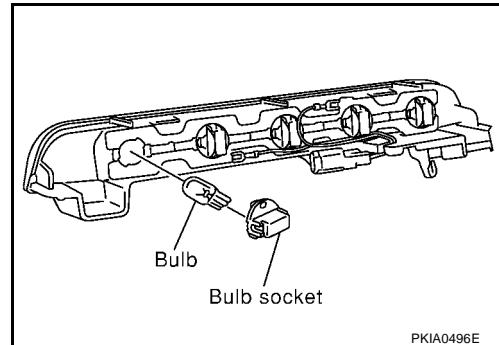
EKS0034K

Refer to [LT-42, "REAR COMBINATION LAMP"](#)

### HIGH-MOUNTED STOP LAMP

1. Remove the high-mounted stop lamp cover. Refer to [LT-27, "HIGH-MOUNTED STOP LAMP"](#).
2. Turn the high-mounted stop lamp bulb socket counterclockwise and unlock it.
3. Remove the bulb.

**High-mounted Stop Lamp : 12V 5W**



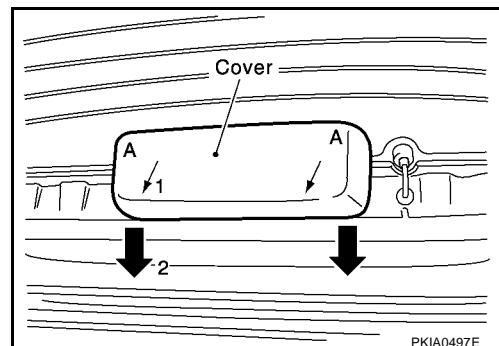
## Removal and Installation STOP LAMP

EKS0034L

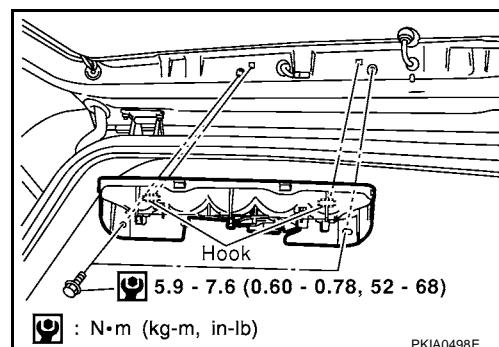
Refer to [LT-42, "REAR COMBINATION LAMP"](#)

### HIGH-MOUNTED STOP LAMP

1. Pull the edge of the cover (A in the figure below) to each side in turn downward until the pawls inside the cover are released.
2. Pull down the cover toward under the vehicle.



3. Remove the high-mounted stop lamp mounting bolts.
4. Disconnect the high-mounted stop lamp connector and remove from the vehicle.



# BACK-UP LAMP

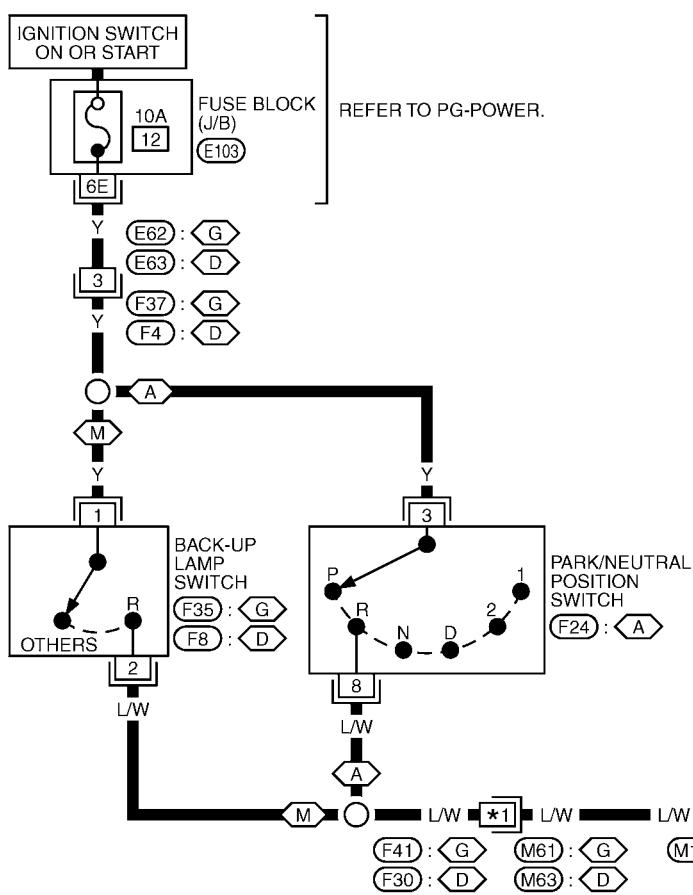
## BACK-UP LAMP

PFP:26550

### Wiring Diagram — BACK/L —

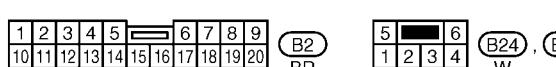
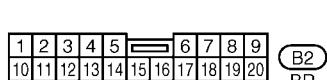
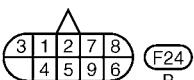
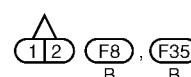
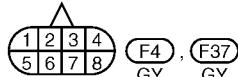
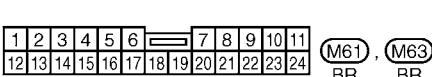
EKS003C3

LT-BACK/L-01



- (G) : WITH GASOLINE ENGINE
- (D) : WITH DIESEL ENGINE
- (A) : WITH A/T
- (M) : WITH M/T

\*1 3 : (G)  
11 : (D)



REFER TO THE FOLLOWING.  
(E103) -FUSE BLOCK-JUNCTION  
BOX (J/B)

TKWA0068E

# BACK-UP LAMP

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## Bulb Replacement

*EKS003C4*

Refer to [LT-42, "REAR COMBINATION LAMP"](#) .

## Removal and Installation

*EKS003C5*

Refer to [LT-42, "REAR COMBINATION LAMP"](#) .

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## **PARKING, LICENSE PLATE AND TAIL LAMPS**

## **PARKING, LICENSE PLATE AND TAIL LAMPS**

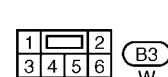
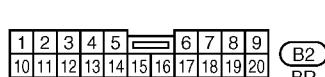
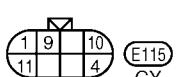
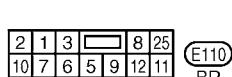
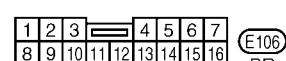
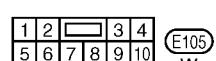
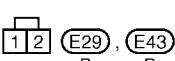
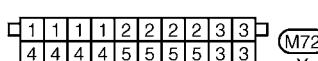
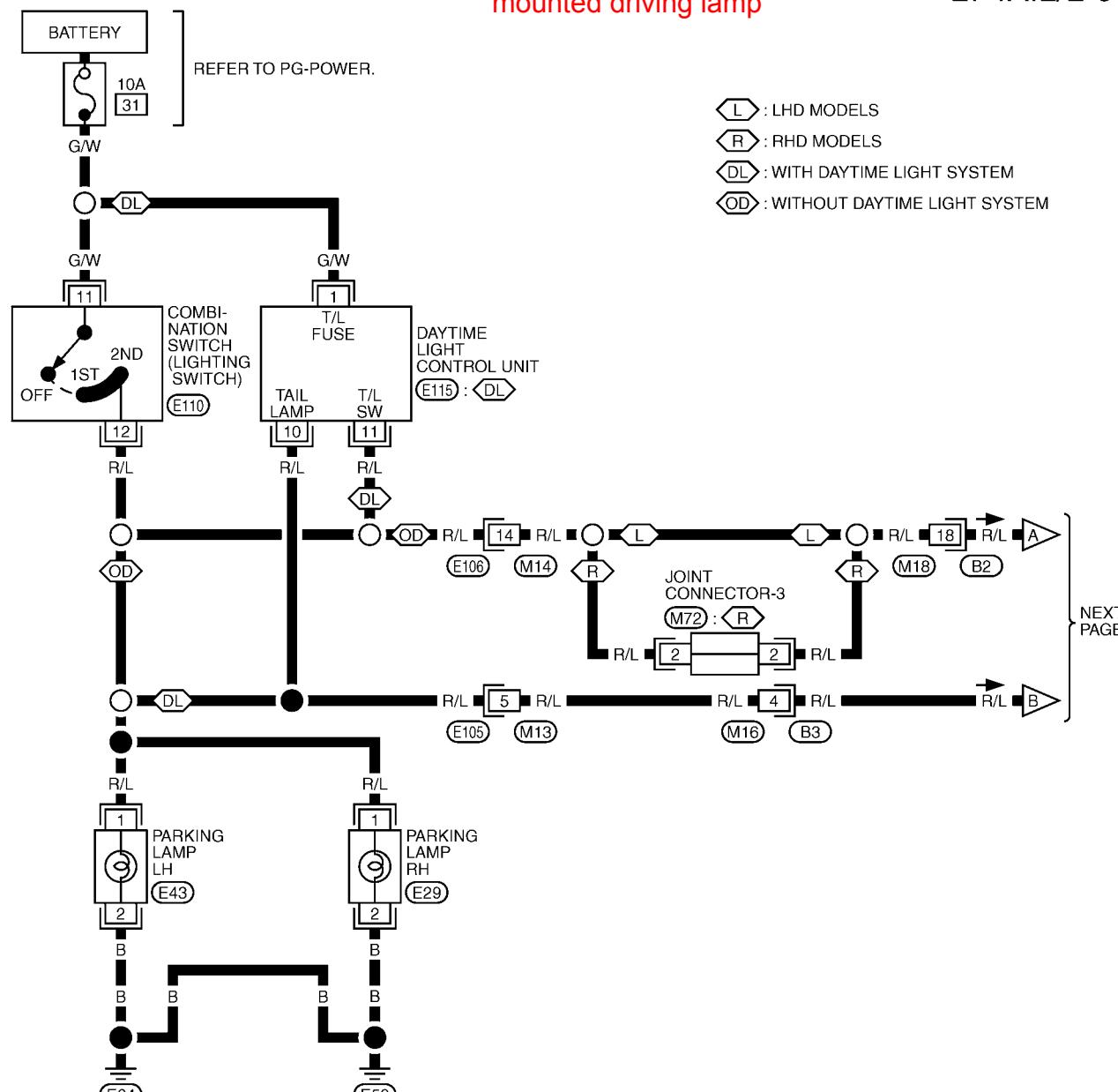
PFP:26550

## Wiring Diagram — TAIL/L —

SMA for models with roof  
mounted driving lamp

*EKS003C0*

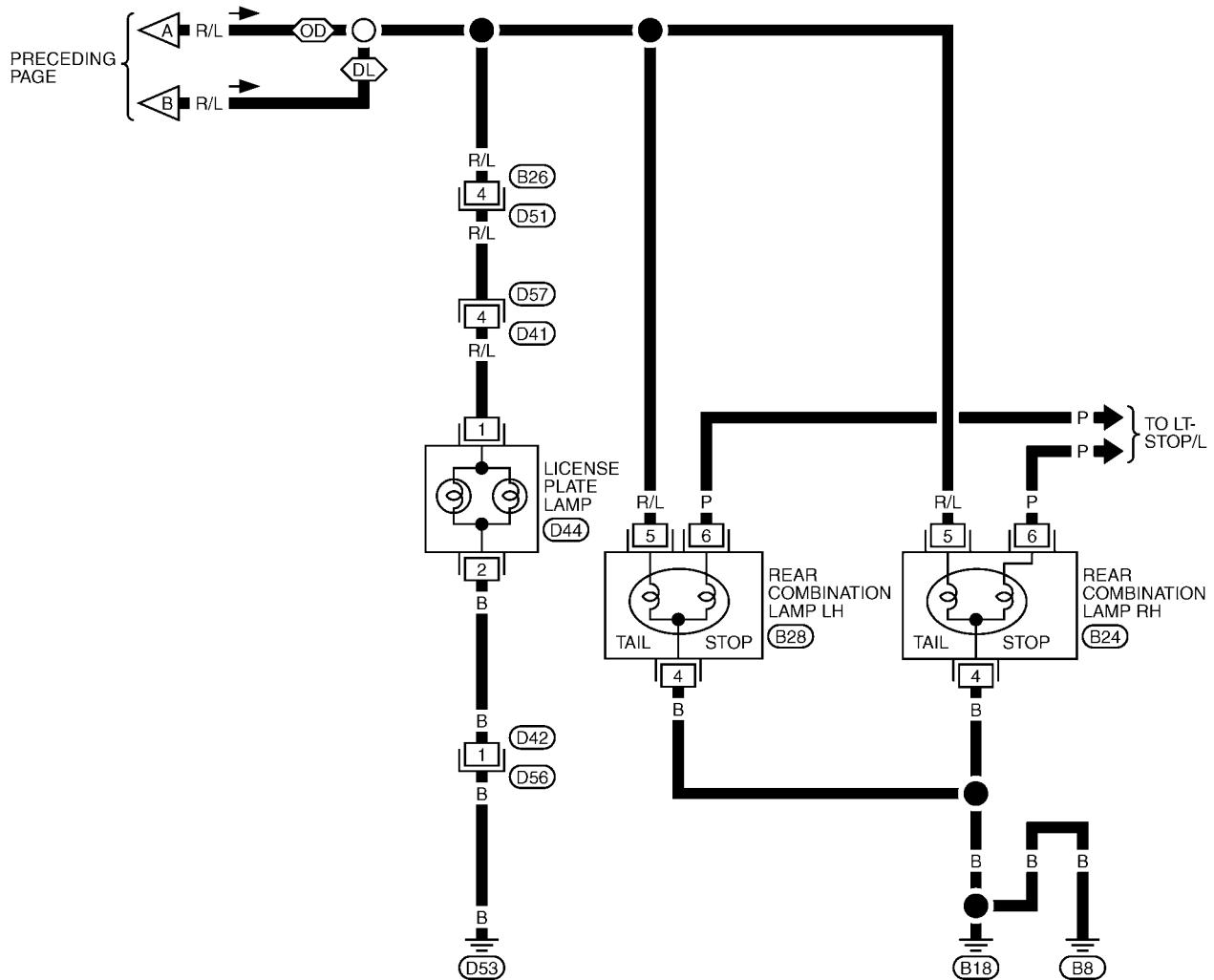
LT-TAIL/L-01

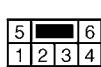


# PARKING, LICENSE PLATE AND TAIL LAMPS

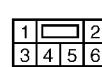
LT-TAIL/L-02

 : WITH DAYTIME LIGHT SYSTEM  
 : WITHOUT DAYTIME LIGHT SYSTEM



 (B24), (B28) W

 (D44) W

 (D51), (D57) W

 (D56) B

TKWA0066E

## Bulb Replacement PARKING AND TAIL LAMPS

EKS003C1

Refer to [LT-42, "REAR COMBINATION LAMP"](#) .

### LICENSE PLATE LAMP

1. Remove lens of license plate lamp.
2. Turn bulb socket, then remove it.

**License plate lamp : 12 V 5 W**

## Removal and Installation PARKING AND TAIL LAMPS

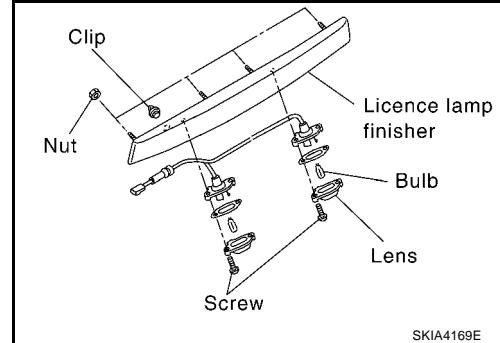
EKS003C2

Refer to [LT-42, "REAR COMBINATION LAMP"](#)

### LICENSE PLATE LAMP

#### Removal

1. Remove the license lamp finisher. Refer to [EI-22, "LICENSE LAMP FINISHER"](#) in "EXTERIOR & INTERIOR (EI)" section.
2. Remove the harness from installation pawl for harness.
3. Remove license plate lamp mounting screws (2 each, RH and LH).
4. Pull out license plate lamp from licence lamp finisher.



#### Installation

- Install license plate lamp in the reverse order of removal, observing the tightening torque shown below.  
License plate lamp mounting screws

**Tightening torque : 1.0 - 1.8 N·m (0.10 - 0.19 kg·m, 9-16 in·lb)**

# FRONT FOG LAMP

## FRONT FOG LAMP

PFP:00011

### System Description

#### DESCRIPTION

EKS003DF

Power is supplied at all times to fog lamp relay terminal 3

- through 15A fuse (No. 42, located in the fuse and fusible link box).

With the lighting switch in the 2ND position and LOW ("B") position, power is supplied

- through 10A fuse (No. 31, located in the fuse and fusible link box).
- to lighting switch terminal 11
- through terminal 12 of the lighting switch
- to fog lamp switch terminal 32
- through terminal 31 of the fog lamp switch
- to fog lamp relay terminal 2.

### FOG LAMP OPERATION

The fog lamp switch is built into the combination switch. The lighting switch must be in the 1st or 2nd position for fog lamp operation.

With the fog lamp switch in the ON position, ground is supplied

- to fog lamp relay terminal 1
- through the fog lamp switch and body grounds E24 and E50.

The fog lamp relay is energized and power is supplied

- from fog lamp relay terminal 5
- to terminal 1 of each fog lamp.

Ground is supplied to terminal 2 of each fog lamp through body grounds E24 and E50.

With power and ground supplied, the fog lamps illuminate.

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L

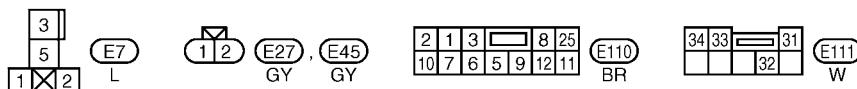
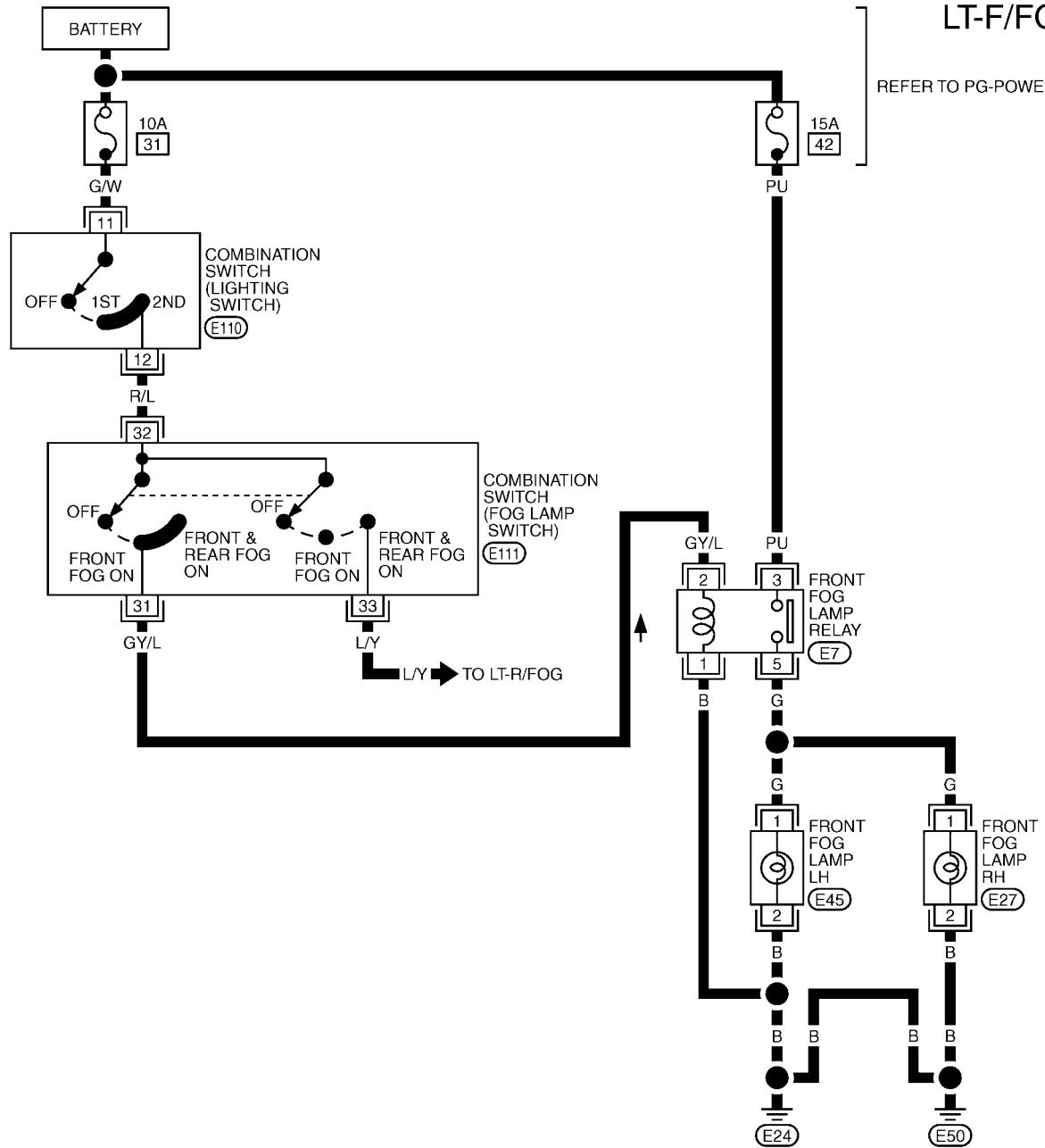
M

# FRONT FOG LAMP

## Wiring Diagram — F/FOG —

EKS003DG

LT-F/FOG-01



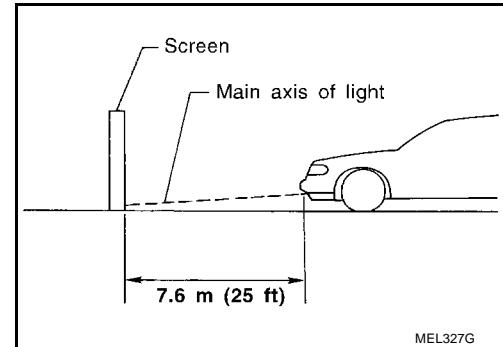
TKWA0069E

# FRONT FOG LAMP

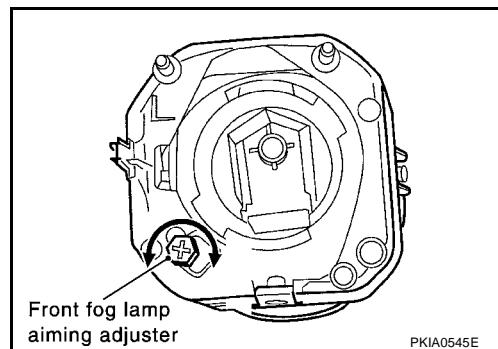
## Aiming Adjustment

EKS003DH

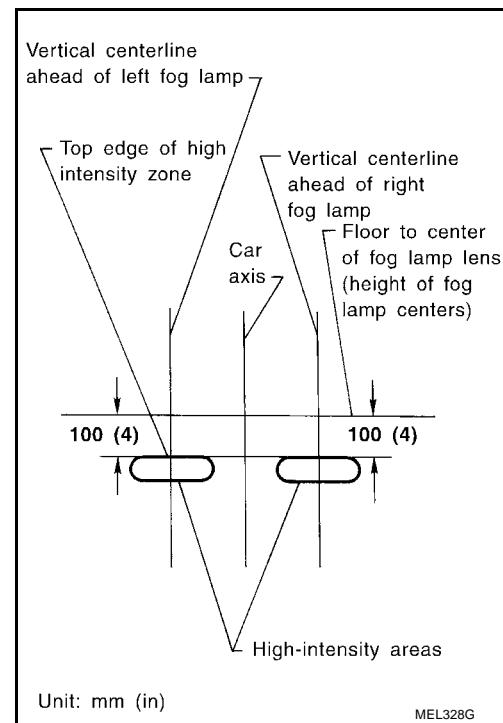
1. Set the distance between the screen and the center of the fog lamp lens as shown at left.



2. Turn front fog lamps ON.



3. Adjust front fog lamps so that the top edge of the high intensity zone is 100 mm (4 in) below the height of the fog lamp centers as shown at left.
  - When performing adjustment, if necessary, cover the headlamps and opposite fog lamp.



# FRONT FOG LAMP

## Bulb Replacement

EKS003DI

1. Remove fog lamp. Refer to [LT-36, "Removal and Installation"](#) .
2. Turn plastic cap counter clockwise then remove it.
3. Unlock retaining spring, then remove bulb.

Front fog lamp

:12 V 55 W (H3)

### CAUTION:

- Do not touch the glass of bulb directly by hand. Keep grease and other oily matters away from it. Do not touch bulb by hand while it is lit or right after being turned off. Burning may result.
- Do not leave bulb out of headlamp reflector for a long time because dust, moisture smoke, etc. May affect the performance of headlamp. When replacing bulb, be sure to replace it with new one.
- When bulb is installed, be sure to lock plastic cap to ensure watertightness.

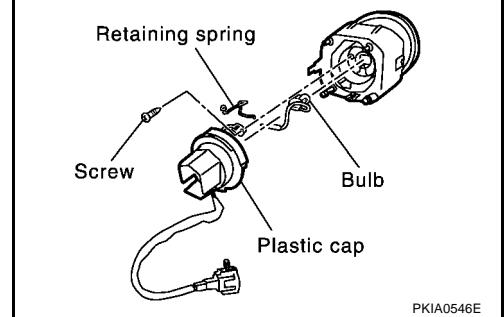
## Removal and Installation

EKS003DJ

### REMOVAL

1. Remove fender protector. Refer to [EI-13, "FENDER PROTECTOR"](#)
2. Disconnect fog lamp connector.
3. Remove fog lamp mounting bolt.
4. Pull out fog lamp from vehicle and disconnect connector.

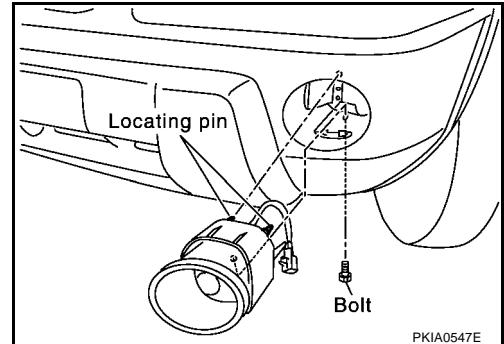
### SEC. 263



### INSTALLATION

- Install fog lamp in the reverse order of removal, observing the tightening torque shown below.  
Fog lamp mounting bolt

Tightening torque : 3.3 - 7.7 N·m (0.33 - 0.79 kg·m, 29 - 69 in·lb)



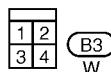
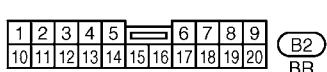
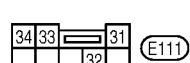
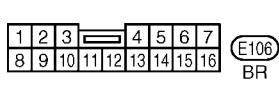
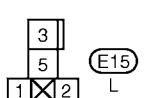
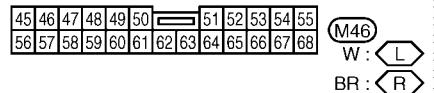
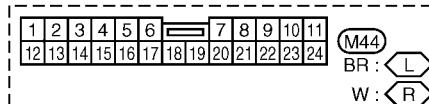
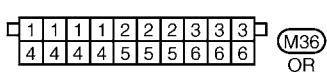
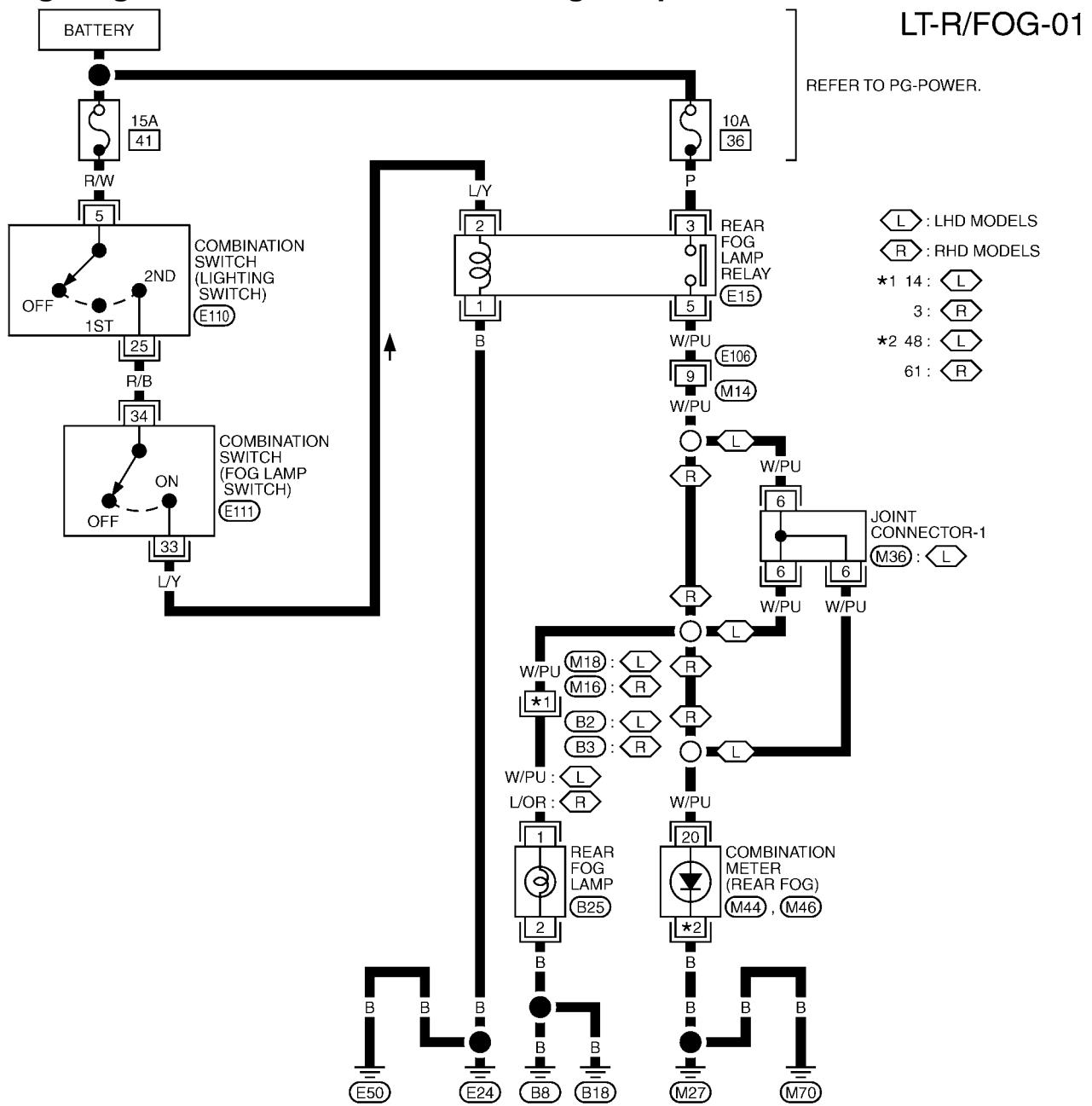
## REAR FOG LAMP

## **REAR FOG LAMP**

PFP:26550

## Wiring Diagram -R/FOG-/Without Front Fog Lamp

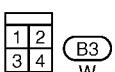
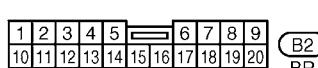
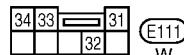
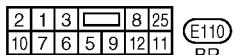
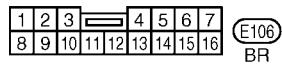
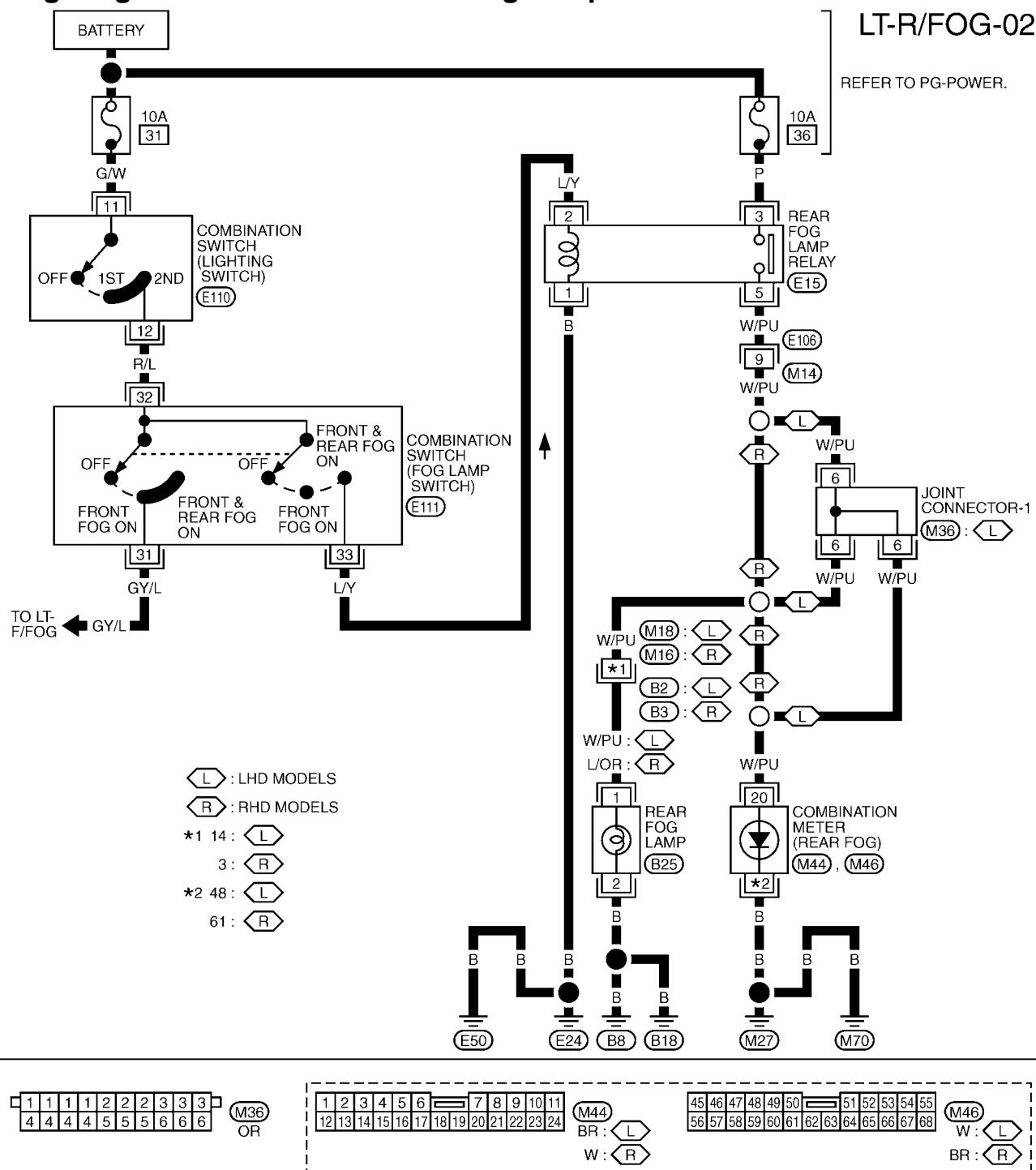
EKS003BV



# REAR FOG LAMP

## Wiring Diagram -R/FOG-/With Front Fog Lamp

EKS003BW



TKWA0071E

# REAR FOG LAMP

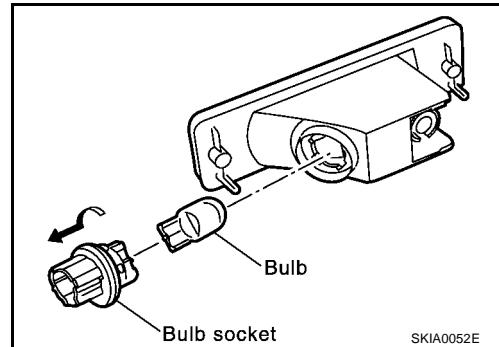
## Bulb Replacement

EKS0015L

1. Remove rear fog lamp. Refer to [LT-39, "Removal and Installation"](#).
2. Turn bulb socket counterclockwise and unlock it.
3. Remove bulb.

**Rear fog lamp**

: 12V 21W

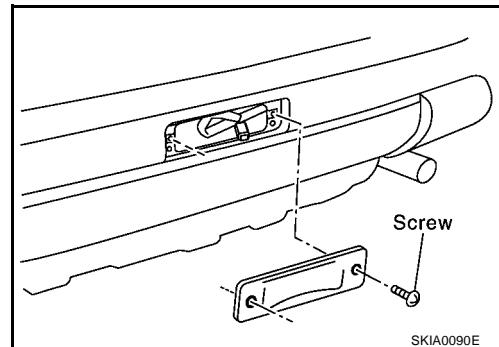


## Removal and Installation

### REMOVAL

EKS0015M

1. Remove rear fog lamp mounting screws (2).
2. Take out rear fog lamp from bumper, then disconnect connector.



### INSTALLATION

Install in the reverse order of removal, paying attention to the following.

**Rear fog lamp mounting screws**

**Tightening torque**

: 0.98 - 1.86 N·m (0.10 - 0.18 kg·m, 9-16 in·lb)

A  
B  
C  
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J

LT

L

M

# CLEARANCE LAMP/TAIL LAMP

---

## CLEARANCE LAMP/TAIL LAMP

PFP:26010

### Bulb Replacement (Clearance Lamp)

*EKS001UR*

Refer to [LT-4, "HEADLAMP"](#)

### Bulb Replacement (Taillamp)

*EKS001US*

Refer to [LT-42, "REAR COMBINATION LAMP"](#)

### Removal and Installation of Clearance Lamp

*EKS001UT*

Refer to [LT-4, "HEADLAMP"](#)

### Removal and Installation of Taillamp

*EKS001UU*

Refer to [LT-42, "REAR COMBINATION LAMP"](#)

# HIGH-MOUNTED STOP LAMP

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## HIGH-MOUNTED STOP LAMP

PFP:26590

### Bulb Replacement

*EKS0034W*

### Removal and Installation

*EKS0034X*

Refer to [LT-26, "STOP LAMP"](#)

A

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C

D

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LT

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M

# REAR COMBINATION LAMP

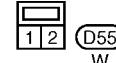
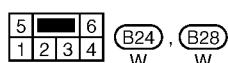
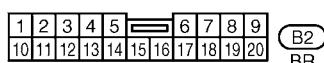
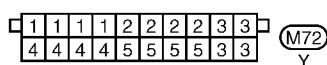
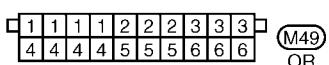
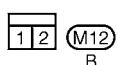
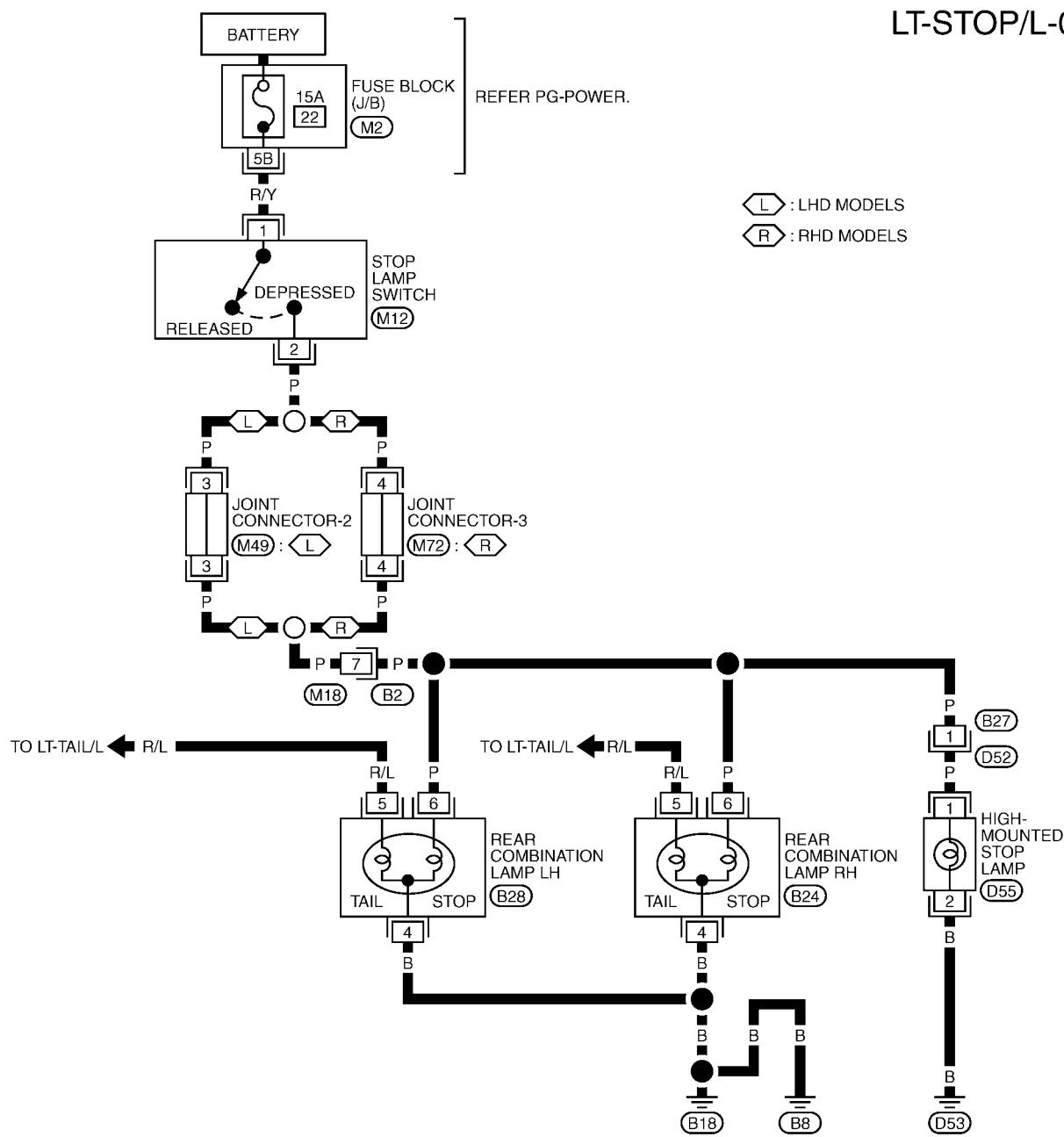
## REAR COMBINATION LAMP

PFP:26554

### Wiring Diagram —STOP/L—

EKS003C6

LT-STOP/L-01



REFER TO THE FOLLOWING.  
M2 -FUSE BLOCK-JUNCTION  
BOX (J/B)

TKWA0067E

# REAR COMBINATION LAMP

## Bulb Replacement

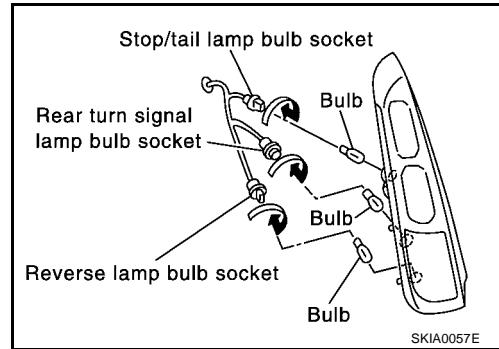
EKS00164

1. Remove rear combination lamp mounting bolts (2).
2. Pull rear combination lamp toward rear of vehicle. Disengage locating pins (3).
3. Turn bulb socket counterclockwise and unlock it.
4. Remove bulb.

**Stop/tailight** : 12V 21/5W

**Rear turn signal lamp** : 12V 21W

**Backup lamp** : 12V 21W

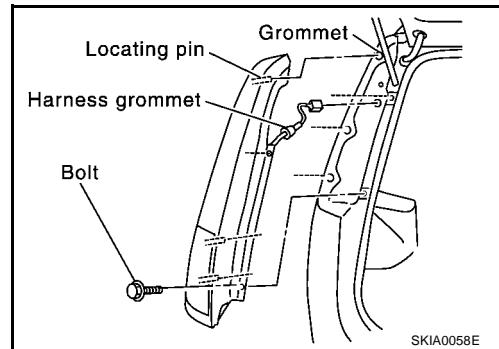


EKS00165

## Removal and Installation

### REMOVAL

1. Remove luggage-side lower finisher. Refer to [EI-26, "BODY SIDE TRIM"](#) in "EI EXTERIOR& INTERIOR" section.
2. Disconnect rear combination lamp connector.
3. Remove rear combination lamp mounting bolts (2).
4. Pull rear combination lamp toward rear of vehicle. Disengage locating pins (3).
5. From outside the vehicle, pull harness grommet rearward, and remove harness.



### INSTALLATION

Install in the reverse order of removal, paying attention to the following.

**Rear combination lamp**

**mounting bolts**

**Tightening torque**

: 4.4 - 6.4 N·m (0.45 - 0.65 kg·m, 39-56 in·lb)

LT

L

M

# COMBINATION SWITCH

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## COMBINATION SWITCH

PFP:25567

### Removal and Installation

EKS001V6

Refer to [SRS-33, "SPIRAL CABLE"](#) in "SUPPLEMENTAL RESTRAINT SYSTEM (SRS)" section for details.

### Switch Circuit Inspection

EKS001V7

Refer to [LT-24, "Switch Circuit Inspection"](#) in "LIGHTING AND TURN SIGNAL SWITCH" section, and [WW-7, "Terminal and Reference Values for Combination Switch"](#) , [WW-15, "Terminal and Reference Values for Combination Switch"](#) in "WW Wiper/Washer Horn" section for details.

# ILLUMINATION

## ILLUMINATION

PFP:27545

### System Description

EKS003C7

Power is supplied at all times

- through 10A fuse [No. 31, located in the fuse and fusible link box]
- to lighting switch terminal 11.

The lighting switch must be in the 1ST or 2ND position for illumination.

The following chart shows the power and ground connector terminals for the components included in the illumination system.

Component	Connector No.	Power terminal	Ground terminal
Headlamp washier switch	M23	3	4
Headlamp aiming switch	M24	3	4
Door mirror remote control switch	M26	10	1
ESP off switch	M25	3	4
Hazard switch	M51	7	8
4WD mode switch	M39	4	3
Rear window defogger switch	M50	5	6
A/C auto amp.	M52	12	11
Combination meter (LHD models)	M46	56	66
Combination meter (RHD models)	M46	45	56
Audio	M42	2	1
CD auto changer	M82	34	35
Heater control panel	M55	2	6
A/T device	M58	3	4
Cigarette lighter	M56	3	2
Heated seat switch LH (LHD models)	B131	5	6
Heated seat switch RH (LHD models)	B132	5	6
Heated seat switch LH (RHD models)	B35	5	6
Heated seat switch RH (RHD models)	B34	5	6

A

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L

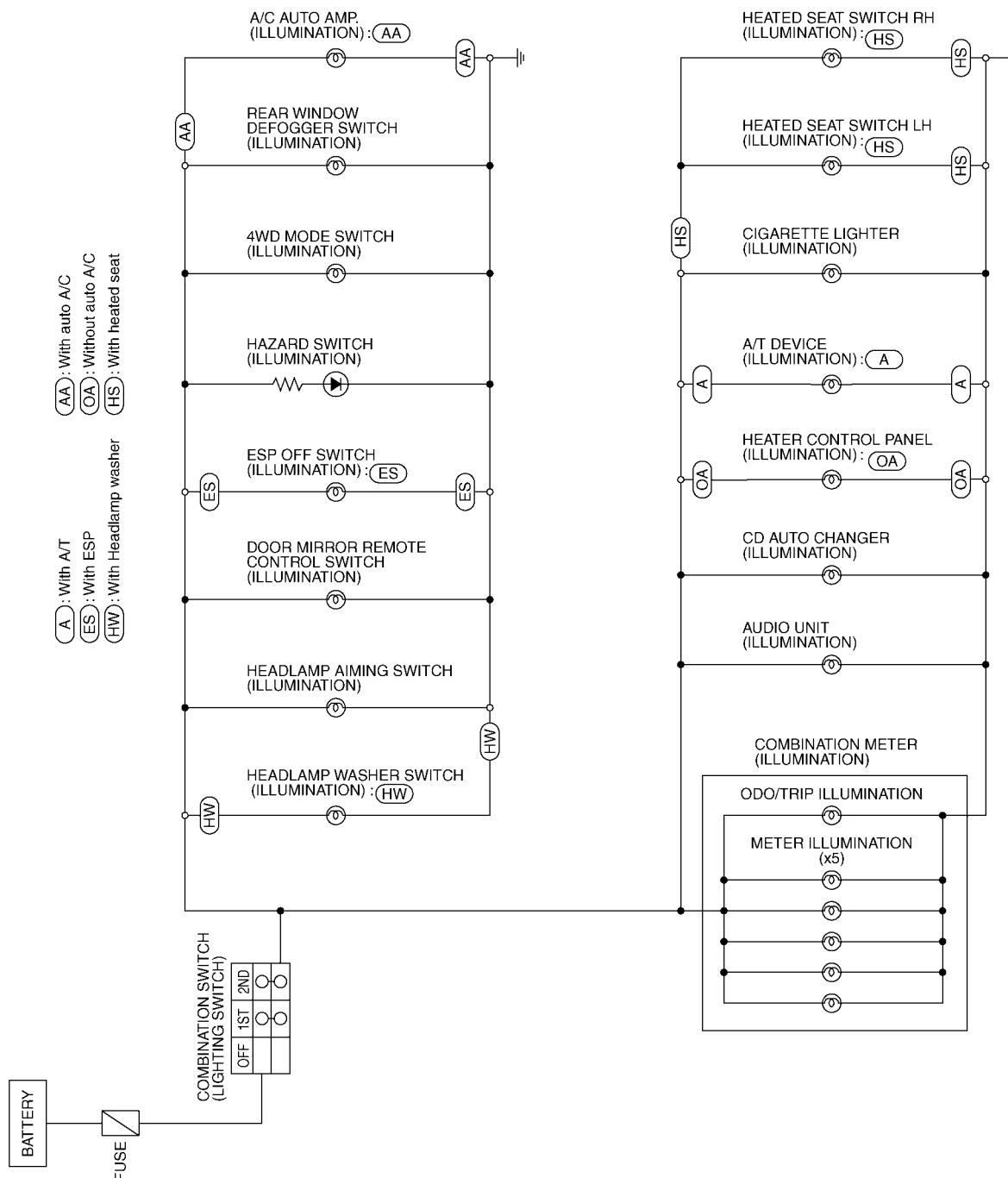
M

# ILLUMINATION

## Schematic

### SMA for models with roof mounted driving lamp

EKS003BL



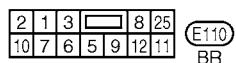
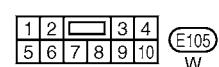
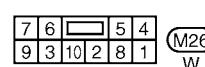
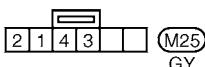
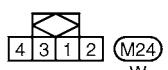
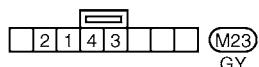
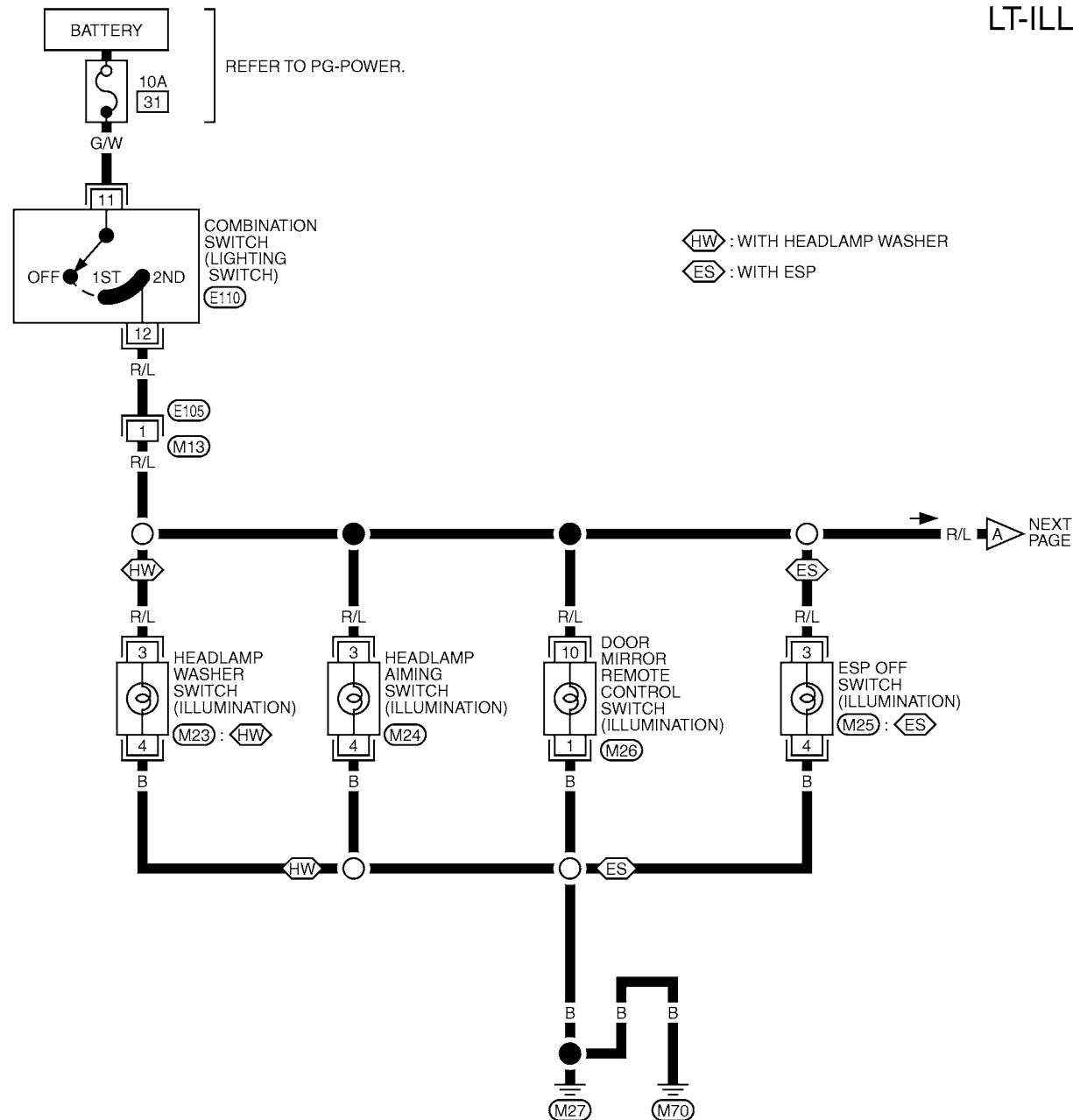
TKWA0074E

# ILLUMINATION

## Wiring Diagram -ILL-/LHD MODELS

EKS003BM

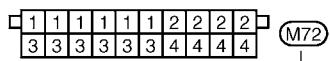
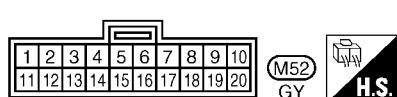
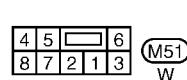
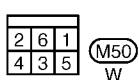
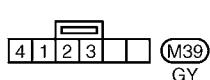
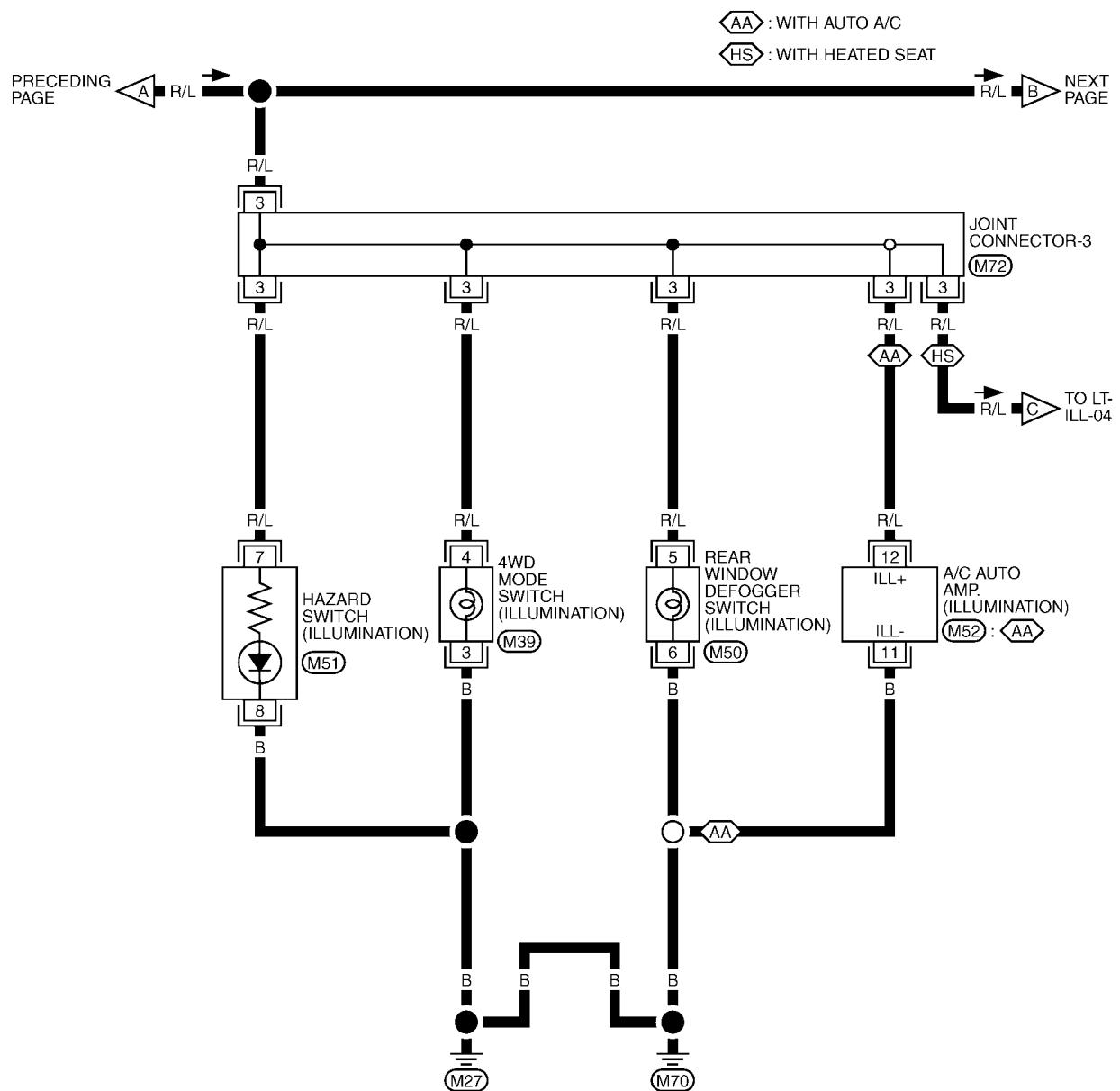
LT-ILL-01



TKWA0075E

# ILLUMINATION

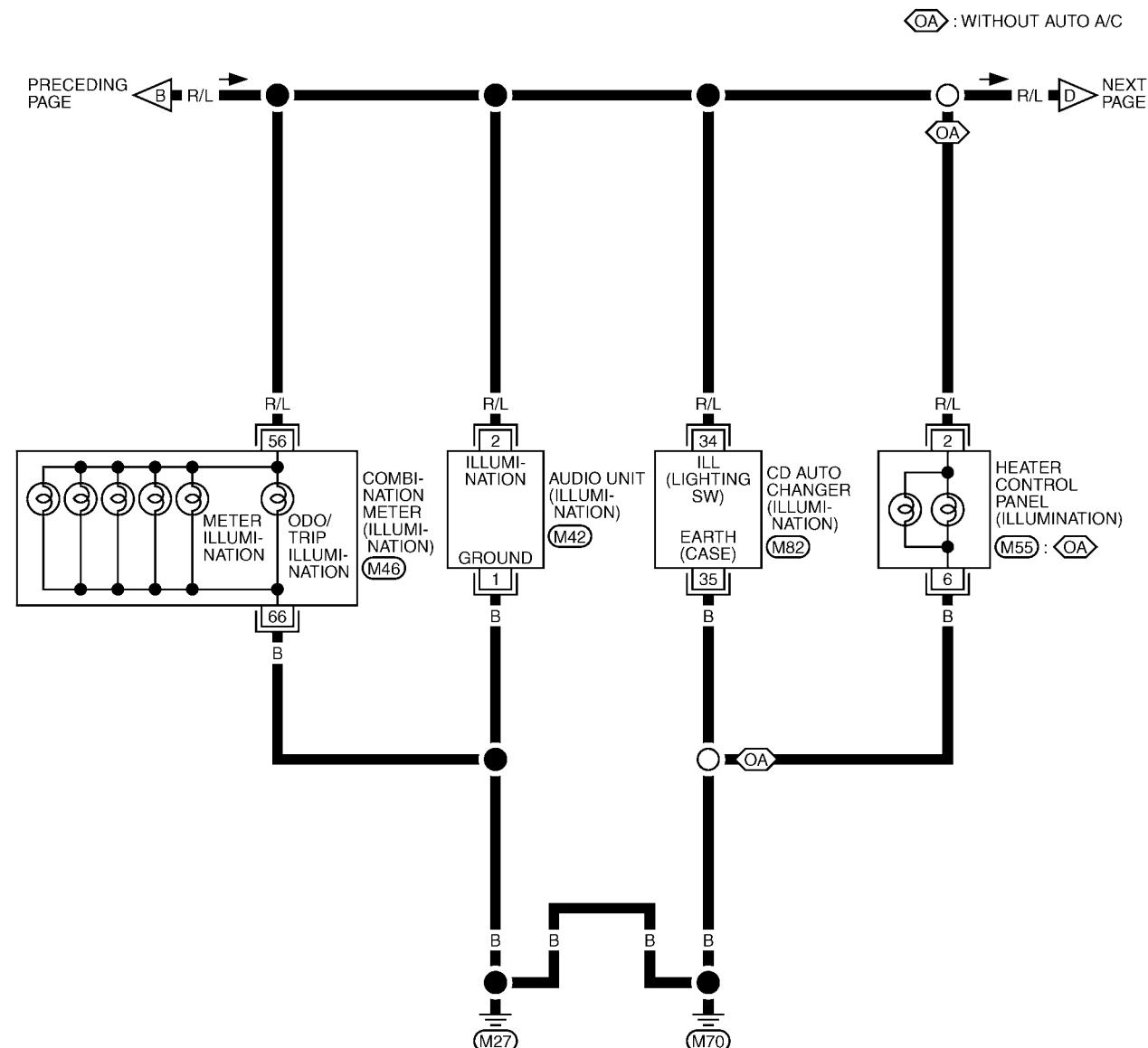
LT-ILL-02



TKWA0076E

# ILLUMINATION

LT-ILL-03



16	14	12	—	8	6	4	2
15	13	11	10	9	7	5	3

(M42)  
W

45	46	47	48	49	50	—	51	52	53	54	55
56	57	58	59	60	61	62	63	64	65	66	67

(M46)  
W

4	3	—	2	1
12	11	10	9	8

(M55)  
W

36	34	32	—	28	26	24	22
35	33	31	30	29	27	25	23

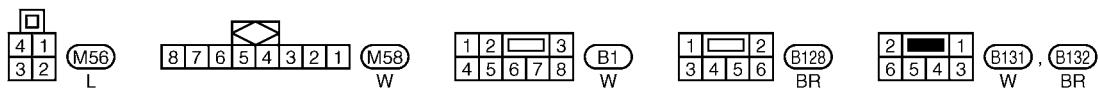
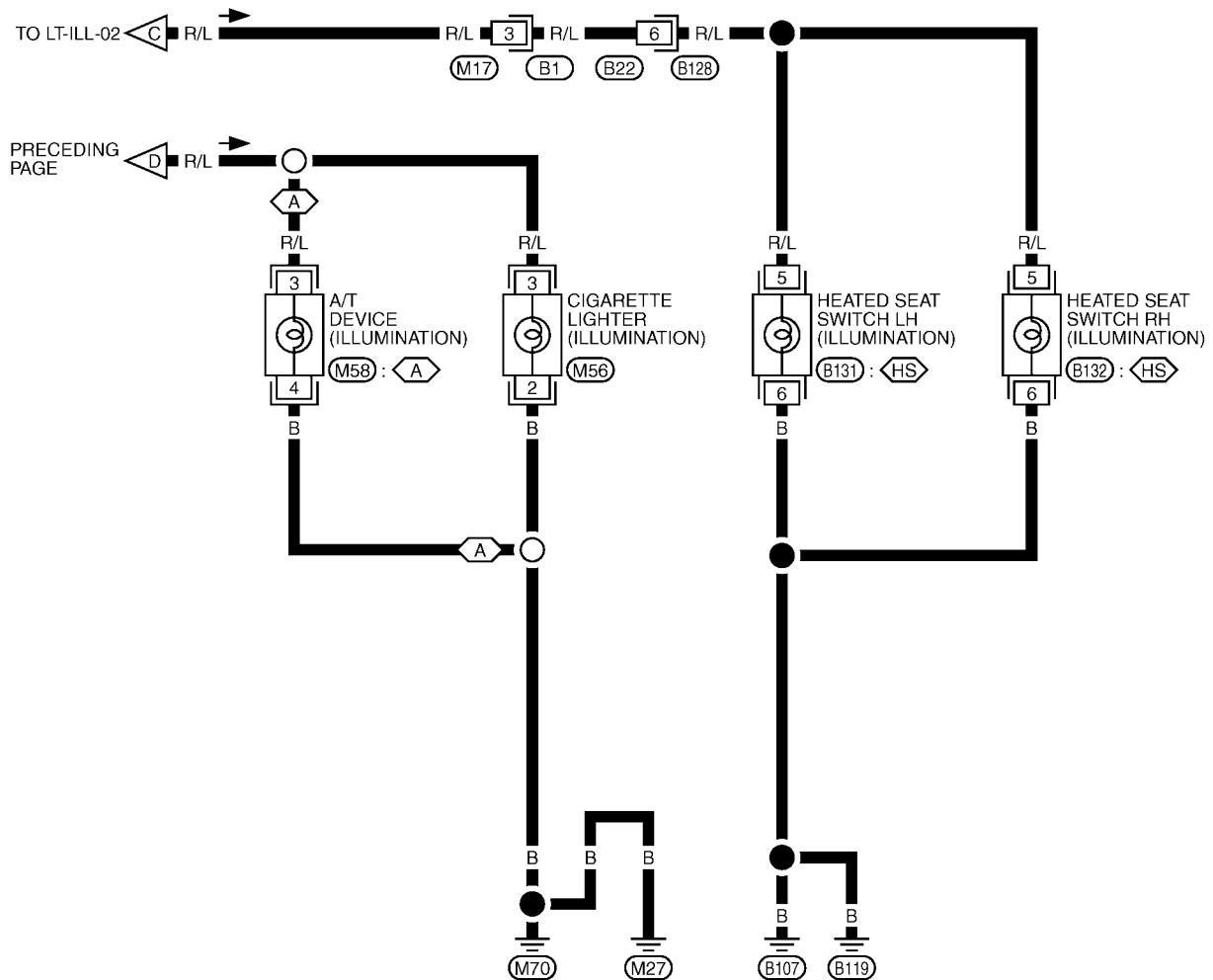
(M82)  
W

TKWA0077E

# ILLUMINATION

LT-ILL-04

Ⓐ : WITH A/T  
Ⓑ : WITH HEATED SEAT



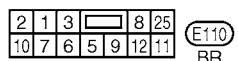
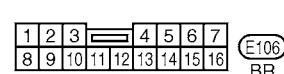
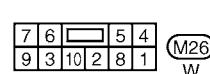
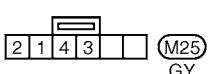
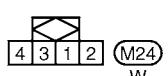
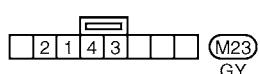
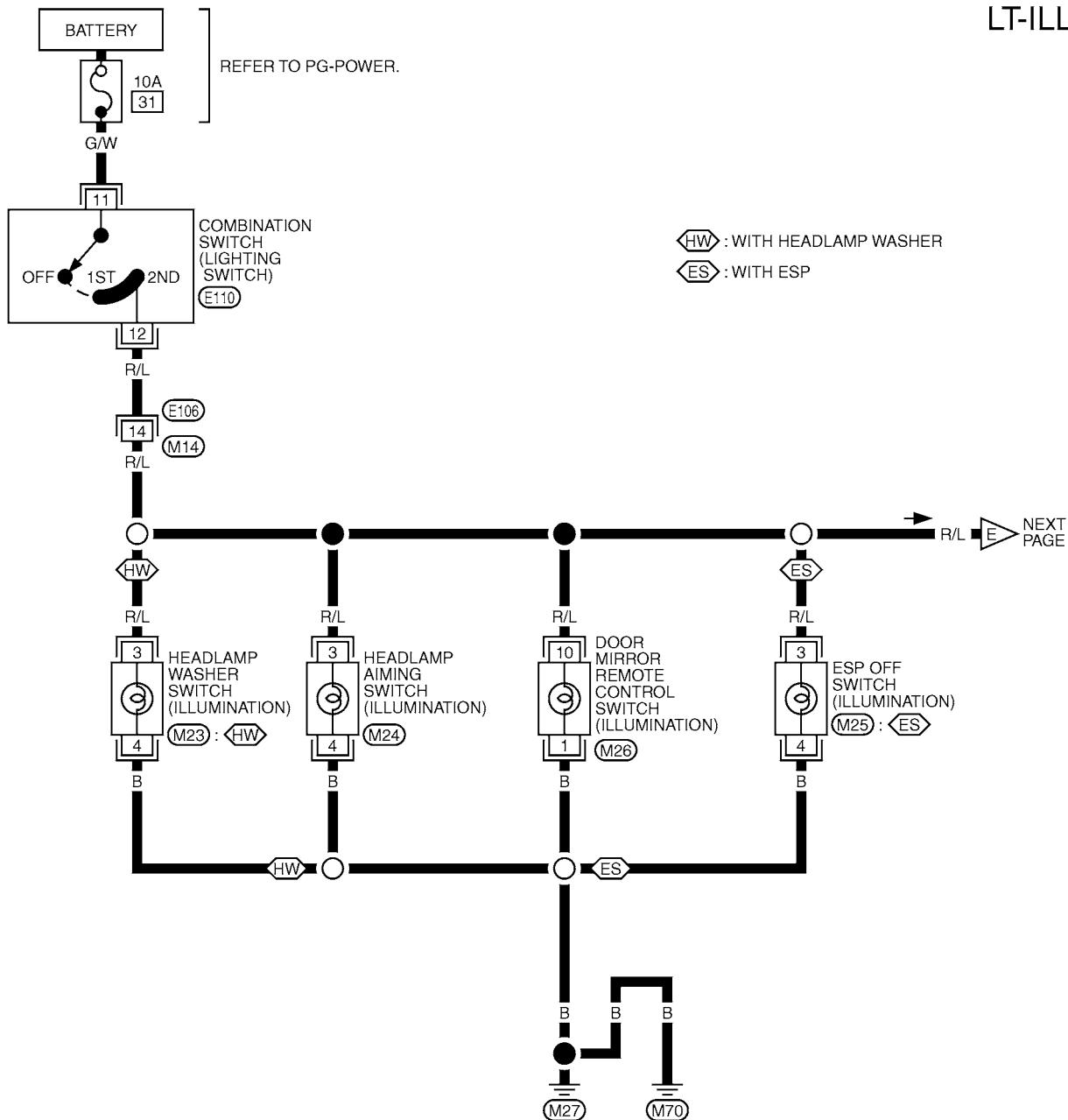
TKWA0078E

## ILLUMINATION

## **Wiring Diagram -ILL-/RHD MODELS**

*EKS003BN*

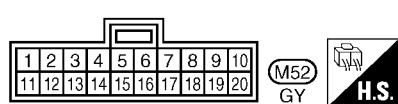
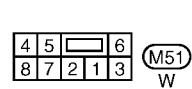
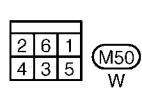
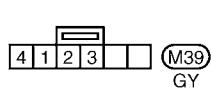
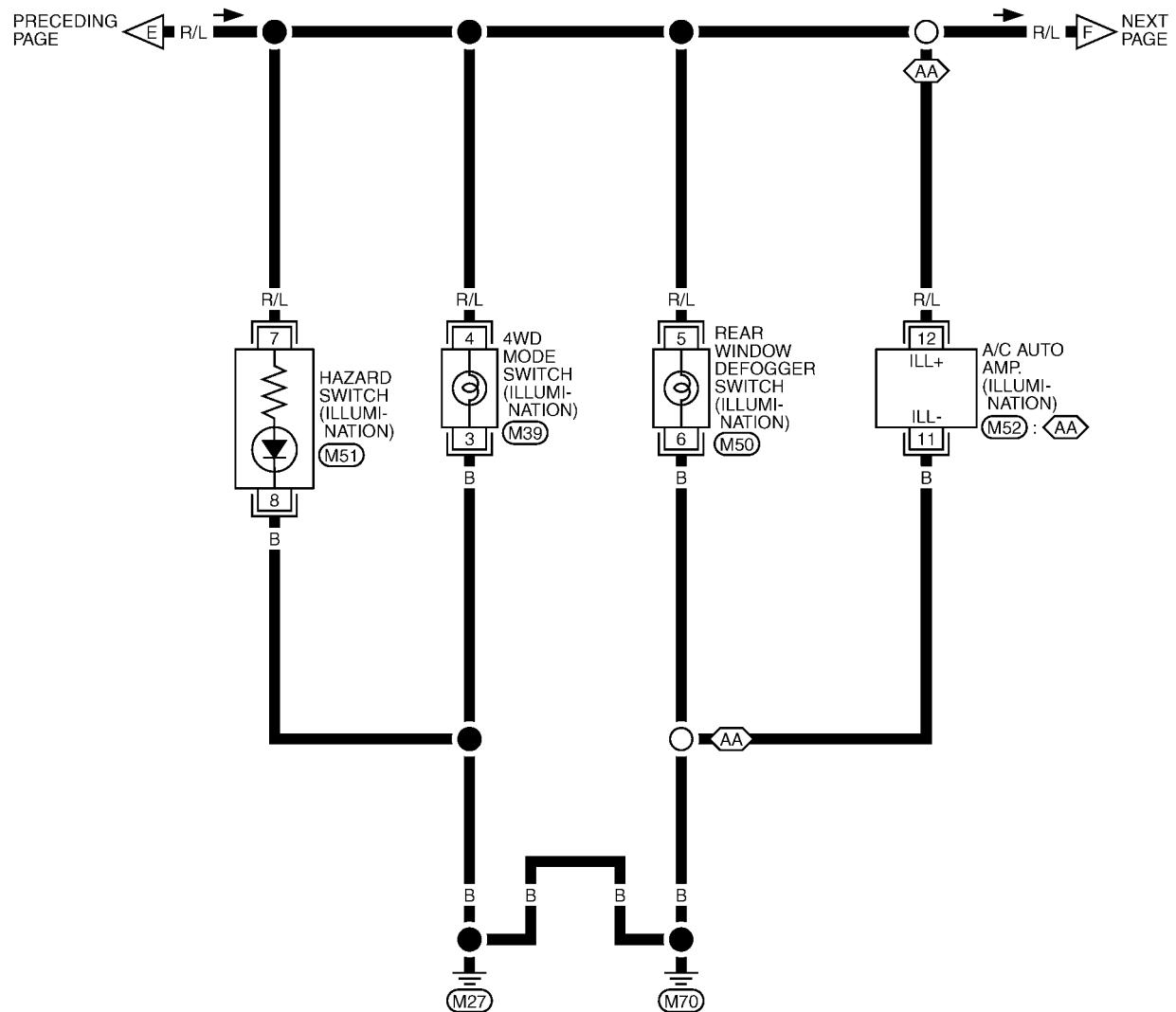
LT-ILL-05



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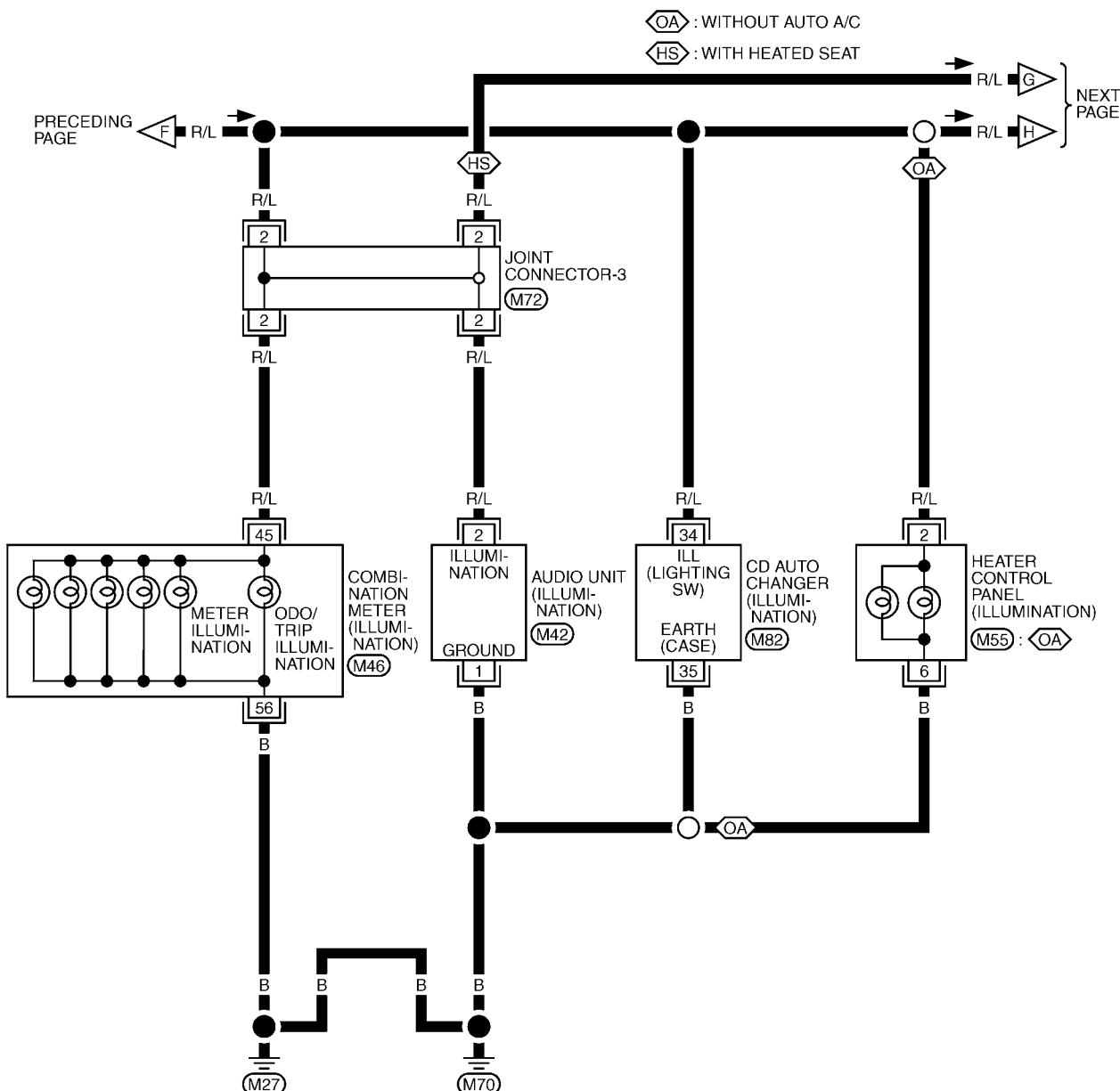
LT-ILL-06

 : WITH AUTO A/C



# ILLUMINATION

LT-ILL-07



16	14	12	—	8	6	4	2
15	13	11	10	9	7	5	3

(M42) W

45	46	47	48	49	50	—	51	52	53	54	55
56	57	58	59	60	61	62	63	64	65	66	67

(M46) BR

4	3	—	2	1
12	11	10	9	8

(M55) W

1	1	1	1	2	2	2	2	3	3
4	4	4	4	5	5	5	5	3	3

(M72) Y

36	34	32	—	28	26	24	22
35	33	31	30	29	27	25	23

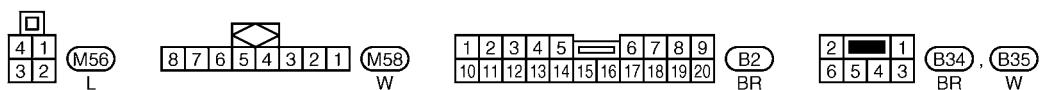
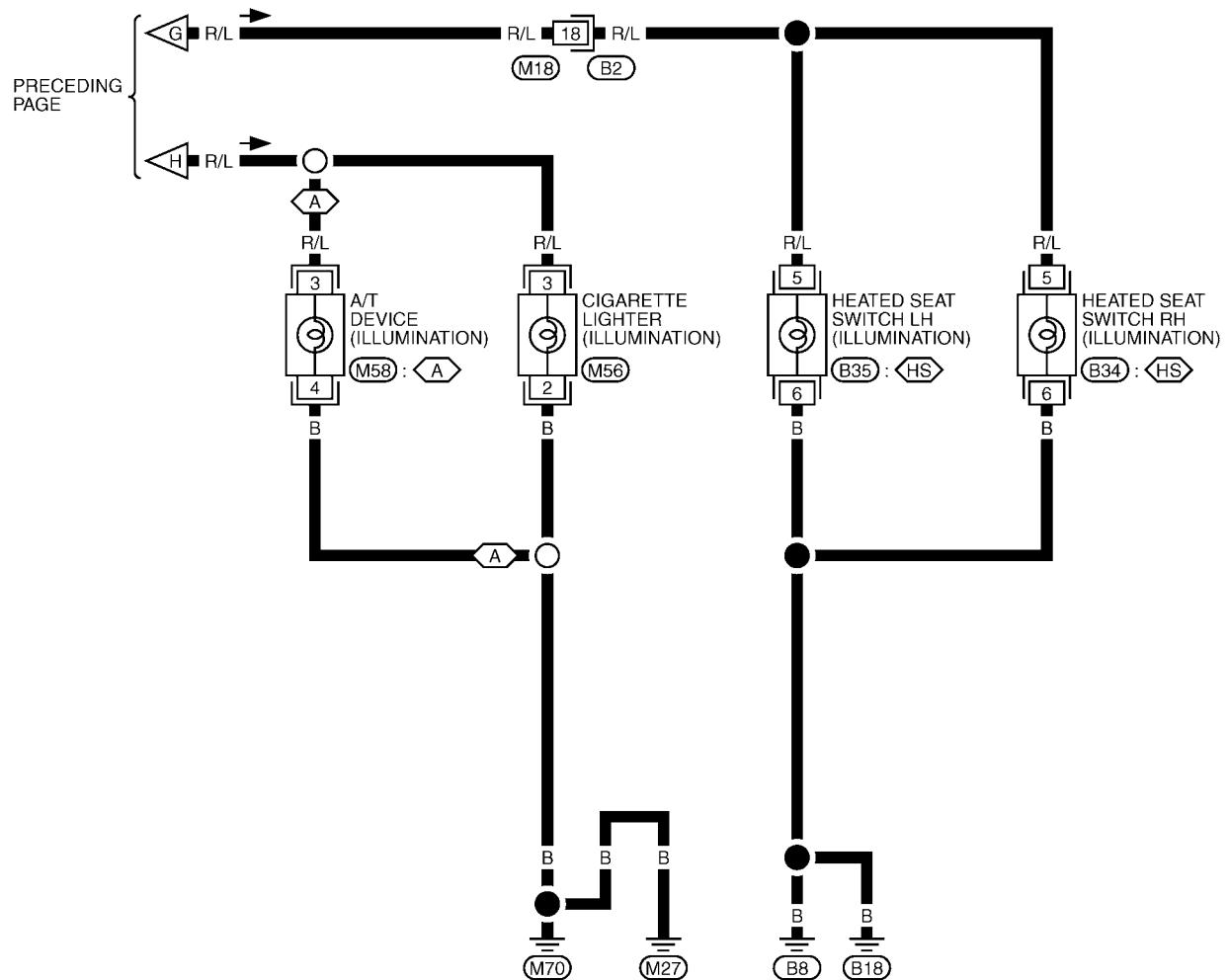
(M82) W

TKWA0081E

## ILLUMINATION

LT-ILL-08

 : WITH A/T  
 : WITH HEATED SEAT



## INTERIOR ROOM LAMP

PFP:26410

### System Description

#### POWER SUPPLY AND GROUND

EKS003BQ

Power is supplied at all times:

- through 10A fuse [No. 28, located in the fuse block (J/B)]
- to key switch terminal 1 and
- to time control unit terminal 1
- through 10A fuse [No. 26, located in the fuse block (J/B)]
- to interior room lamp terminal 1.

When the key is removed from ignition key cylinder, power is interrupted:

- through key switch terminal 2
- to time control unit terminal 18.

With the ignition key switch in the ON or START position, power is supplied:

- through 10A fuse [No. 5, located in the fuse block (J/B)]
- to time control unit terminal 17.

Ground is supplied:

- through body grounds terminals M27 and M70
- to time control unit terminal 16

When the driver side door is opened, ground is supplied:

- through body grounds B8 and B18
- to front door switch driver side terminal 3
- from front door switch driver side terminal 2
- to time control unit terminal 30.

When any door (except back door) is opened, ground is supplied:

- through case ground of each door switch
- to each door switch terminal 1
- to time control unit terminal 31.

When back door is opened, ground is supplied:

- through body ground D53
- to back door switch terminal 3
- from back door switch terminal 1
- to time control unit terminal 31.

When the driver side door is unlocked, the time control unit receives a ground signal:

- through body grounds terminals M27 and M70
- to door unlock sensor terminal 2
- from door unlock sensor terminal 5
- to time control unit terminal 28.

When a signal, or combination of signals is received by the time control unit, ground is supplied:

- through time control unit terminal 26
- to interior room lamp terminal 2.

With power and ground supplied, the interior room lamp illuminates.

### SWITCH OPERATION

When interior room lamp switch is ON, ground is supplied:

- through case grounds of interior room lamp
- to interior room lamp.

A

B

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## INTERIOR ROOM LAMP

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### INTERIOR ROOM LAMP TIMER OPERATION

When interior room lamp switch is in the “DOOR” position, the time control unit keeps the interior room lamp illuminated for about 30 seconds when:

- unlock signal is supplied from driver's door unlock sensor while all doors are closed and key is out of ignition key cylinder
- key is removed from ignition key cylinder while all doors are closed
- driver's door is opened and then closed while key is out of the ignition key cylinder. (However, if the driver's door is closed with the key inserted in the ignition key cylinder after the driver's door is opened with the key removed, the timer is operated.)

The timer is canceled when:

- driver's door is locked,
- driver's door is opened, or
- ignition switch is turned ON.

### ON-OFF CONTROL

When the driver side door, front passenger door, rear LH or RH door is opened, the interior room lamp turns on while the interior room lamp switch is in the “DOOR” position.

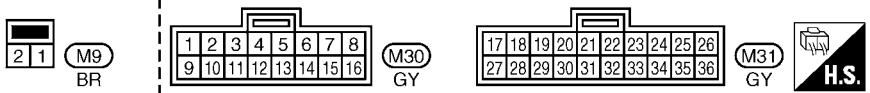
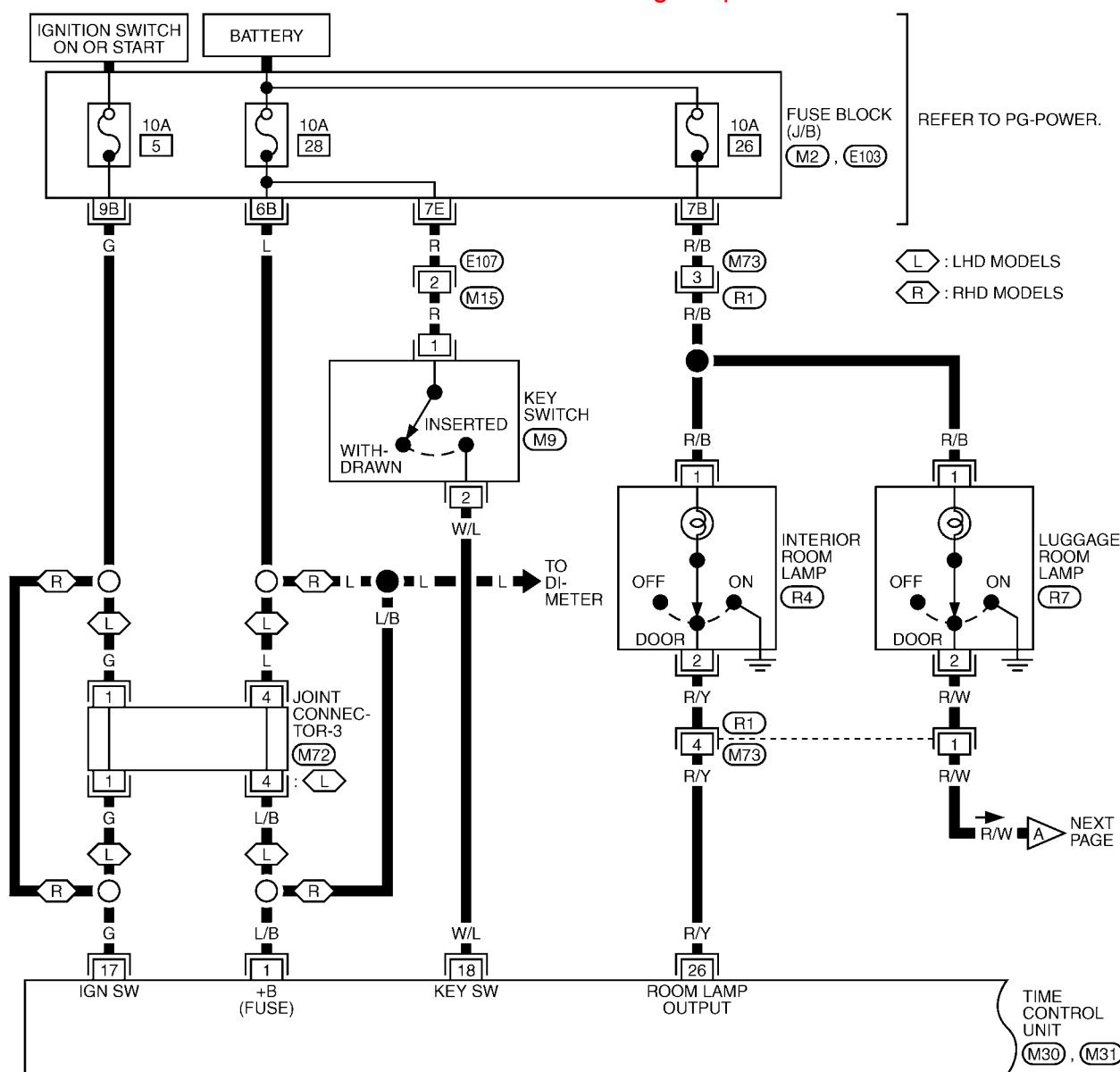
# INTERIOR ROOM LAMP

## Wiring Diagram -ROOM/L-

SMA for models with roof  
mounted driving lamp

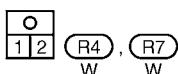
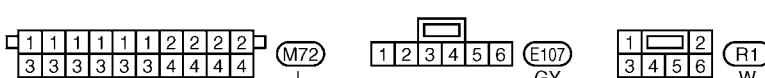
EKS003BR

LT-ROOM/L-01



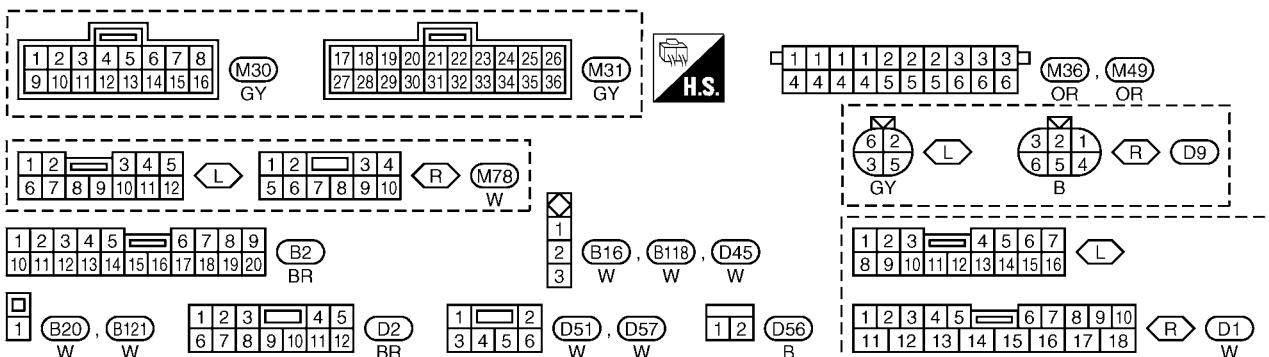
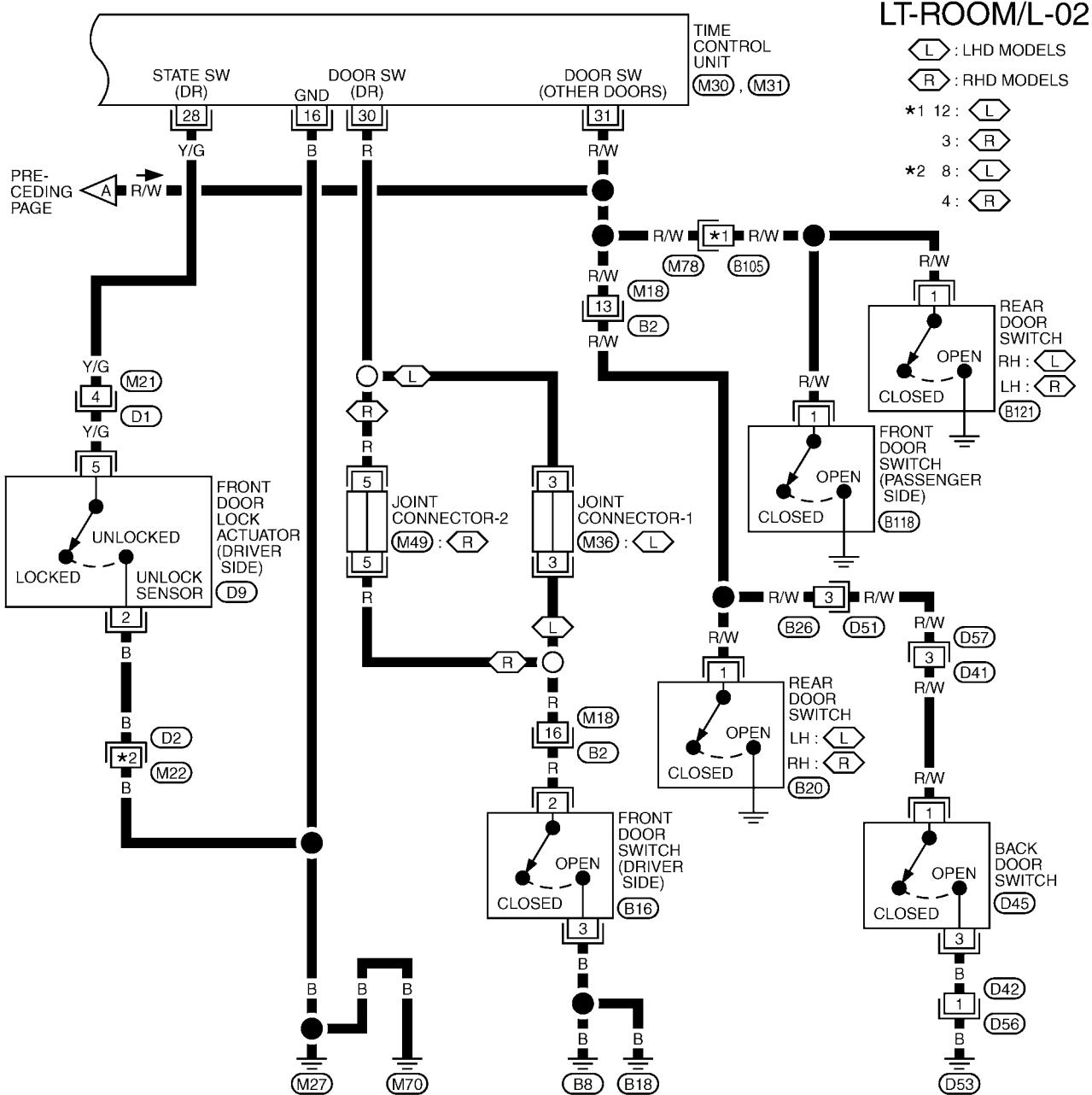
REFER TO THE FOLLOWING.

(M2, E103) -FUSE BLOCK-JUNCTION BOX (J/B)



TKWA0083E

## INTERIOR ROOM LAMP



TKWA0084E

# INTERIOR ROOM LAMP

## Interior Room Lamp Timer Does Not Operate

EKS0079P

### 1. CHECK POWER SUPPLY SIGNAL

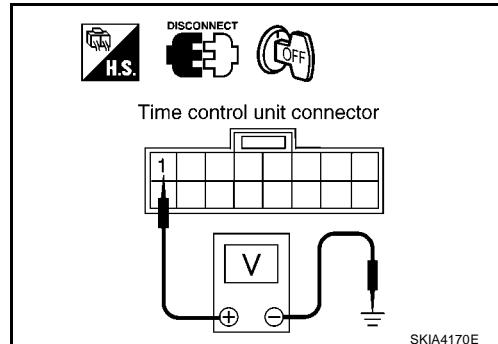
1. Disconnect time control unit connector.
2. Check voltage between time control unit harness connector and ground.

Terminals		Ignition switch position	
Connector	Terminal (Wire color)	(-)	OFF
M30	1(L/B)	Ground	Battery voltage

OK or NG

OK >> GO TO 2  
 NG >> Check the following.

- 10A fuse [No. 28, located in fuse block (J/B)].
- Harness for open or short between time control unit and fuse.



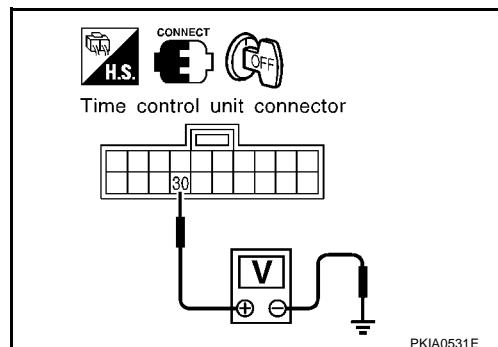
### 2. CHECK DOOR SWITCH INPUT SIGNAL

1. Connect time control unit connector.
2. Check voltage between time control unit harness connector and ground.

Terminals		Condition (Driver's door)	Voltage [V]
Connector	Terminal (Wire color)		
M31	30(R)	Closed	Approx. 5
		Open	0

OK or NG

OK >> GO TO 4  
 NG >> GO TO 3



### 3. CHECK DRIVER SIDE DOOR SWITCH

1. Disconnect driver side door switch connector.
2. Check continuity between driver side door switch terminals.

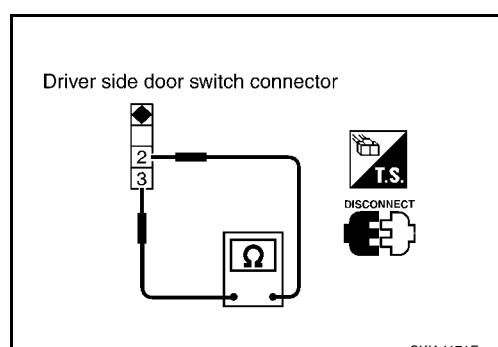
Connector	Terminals		Condition (Driver's door switch)	Continuity
B16	2	3	Pushed (closed)	No
			Released (open)	Yes

OK or NG

OK >> Check the following.

- Driver side door switch ground circuit condition.
- Harness for open or short between time control unit and driver side door switch.

NG >> Replace driver side door switch.



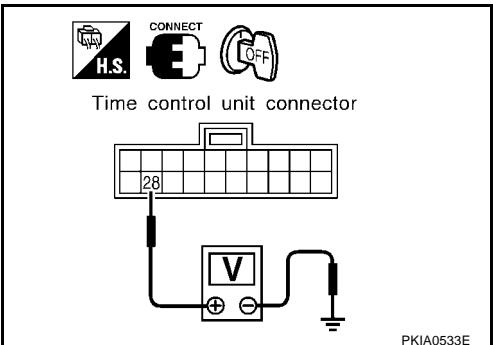
# INTERIOR ROOM LAMP

## 4. CHECK FRONT DOOR UNLOCK SENSOR INPUT SIGNAL

Check voltage between time control unit harness connector and ground.

Terminals		Condition (Driver's door)	Voltage [V]
(+)	(-)		
Connector	Terminal (Wire color)		
M31	28(Y/G)	Ground	Locked
			Unlocked
OK or NG			

OK >> GO TO 6  
NG >> GO TO 5



## 5. CHECK FRONT DOOR UNLOCK SENSOR

1. Disconnect front door lock actuator harness connector.
2. Check continuity between front door lock actuator terminals.

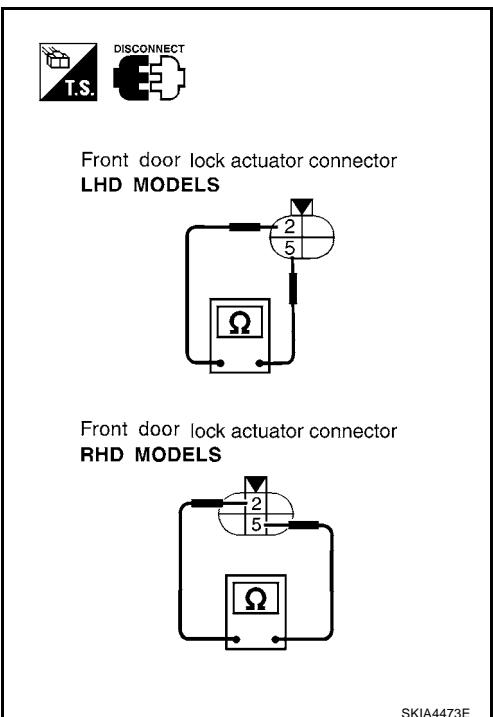
Connector	Terminals		Condition	Continuity
D9	2	5	Locked	No
			Unlocked	Yes

OK or NG

OK >> Check the following.  

- Front door lock actuator ground circuit
- Harness for open or short between time control unit and front door lock actuator

NG >> Replace front door lock actuator.

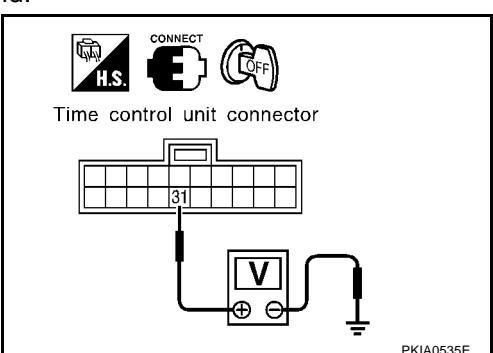


## 6. CHECK DOOR SWITCHES INPUT SIGNAL

Check voltage between time control unit harness connector and ground.

Terminals		Condition (All doors)	Voltage [V]
(+)	(-)		
Connector	Terminal (Wire color)		
M31	31(R/W)	Ground	Open
			Approx. 5
OK or NG			

OK >> GO TO 8  
NG >> GO TO 7



# INTERIOR ROOM LAMP

## 7. CHECK DOOR SWITCHES

1. Disconnect door switch harness connector.
2. Check continuity between door switch terminal and ground.

Connector		Terminals	Condition	Continuity
B118 <sup>*1</sup> , B121 <sup>*2</sup> B20 <sup>*3</sup> , D45 <sup>*4</sup>	Door switches	1-Ground	Closed	No
			Open	Yes

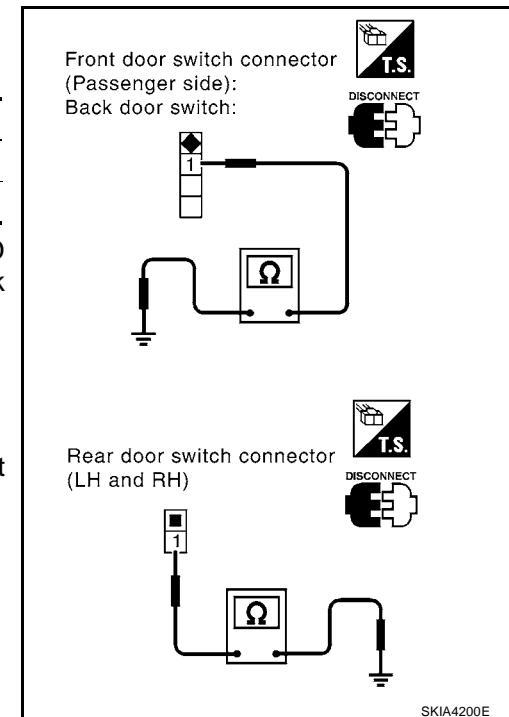
\*1:Passenger side, \*2:Rear LH (RHD model) or Rear RH (LHD model), \*3:Rear RH (RHD model) or Rear LH (LHD model), \*4:Back door

OK or NG

OK >> Check the following.

- Door switch ground condition
- Harness for open or short between time control unit and door switch

NG >> Replace door switch.



## 8. CHECK KEY SWITCH INPUT SIGNAL

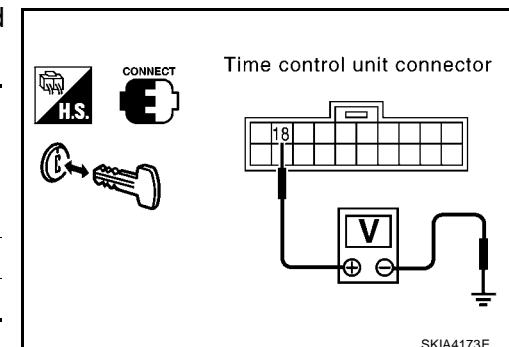
Check voltage between time control unit harness connector and ground.

Terminals		Condition (Key switch)	Voltage [V]
(+)	(-)		
Connector	Terminal (Wire color)		
M31	18(W/L)	Ground	inserted
			Removed

OK or NG

OK >> Replace time control unit.

NG >> GO TO 9



# INTERIOR ROOM LAMP

## 9. CHECK KEY SWITCH (INSERT)

1. Disconnect key switch connector.
2. Check continuity between terminals.

Connector	Terminals		Condition (Key switch)	Continuity
M9	1	2	Inserted	Yes
			Removed	No

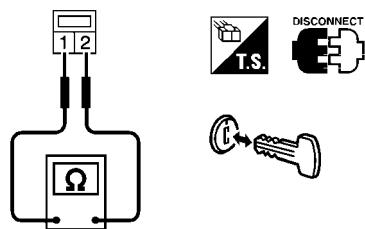
OK or NG

OK >> Check the following.

- 10A fuse [No.28, located in fuse block (J/B)]
- Harness for open or short between key switch and fuse
- Harness for open or short between time control unit and key switch

NG >> Replace key switch.

Key switch connector



PKIA0538E

## Interior Room Lamp Timer Does Not Cancel

EKS0079Q

### 1. CHECK IGNITION ON SIGNAL

1. Disconnect time control unit connector.
2. Check voltage between time control unit harness connector and ground.

Terminals		Ignition switch position		
Connector	(+)	(-)	OFF	ACC
M31	17(G)	Ground	0V	0V
				Battery voltage

OK or NG

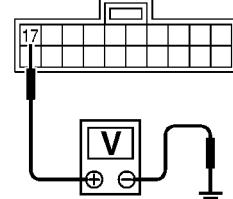
OK >> GO TO 2

NG >> Check the following.

- 10A fuse [No. 5, located in fuse block (J/B)].
- Harness for open or short between time control unit and fuse.



Time control unit connector



PKIA0530E

### 2. CHECK DOOR SWITCH INPUT SIGNAL

1. Connect time control unit connector.
2. Check voltage between time control unit harness connector and ground.

Terminals		Condition (Driver's door)	Voltage [V]
Connector	(+)	(-)	
M31	30(R)	Ground	Closed
			Approx. 5
			Open
			0

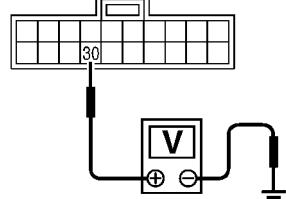
OK or NG

OK >> GO TO 4

NG >> GO TO 3



Time control unit connector



PKIA0531E

# INTERIOR ROOM LAMP

## 3. CHECK DRIVER SIDE DOOR SWITCH

1. Disconnect driver side door switch connector.
2. Check continuity between driver side door switch terminals.

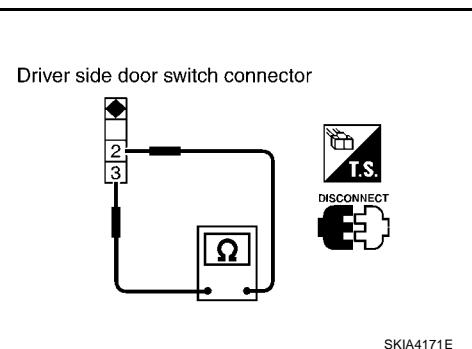
Connector	Terminals		Condition (Driver's door switch)	Continuity
B16	2	3	Pushed (closed)	No
			Released (open)	Yes

OK or NG

OK >> Check the following.

- Driver side door switch ground circuit condition.
- Harness for open or short between time control unit and driver side door switch.

NG >> Replace driver side door switch.



## 4. CHECK FRONT DOOR UNLOCK SENSOR INPUT SIGNAL

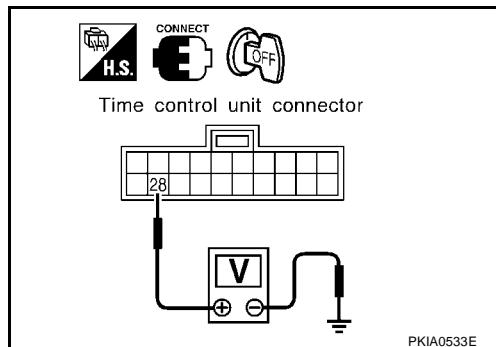
Check voltage between time control unit harness connector and ground.

Terminals		Condition (Driver's door)	Voltage [V]
(+)	(-)		
Connector	Terminal (Wire color)		
M31	28(Y/G)	Ground	Locked
			Unlocked
			Approx. 5
			0

OK or NG

OK >> GO TO 6

NG >> GO TO 5



## 5. CHECK FRONT DOOR UNLOCK SENSOR

1. Disconnect front door lock actuator harness connector.
2. Check continuity between front door lock actuator terminals.

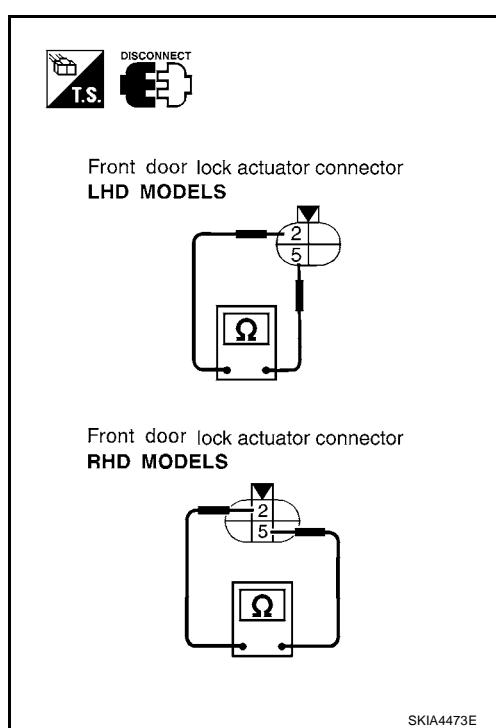
Connector	Terminals		Condition (Front door unlock sensor)	Continuity
D9	2	5	Locked	No
			Unlocked	Yes

OK or NG

OK >> Check the following.

- Front door lock actuator ground circuit
- Harness for open or short between time control unit and front door lock actuator

NG >> Replace front door lock actuator.



# INTERIOR ROOM LAMP

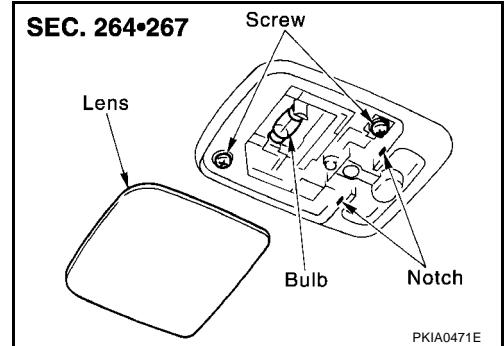
## Bulb Replacement INTERIOR ROOM LAMP

EKS003DB

1. Insert a narrow slotted screwdriver in the cutout, and remove lens.
2. Remove the bulb.

Room lamp

: 12V 10W



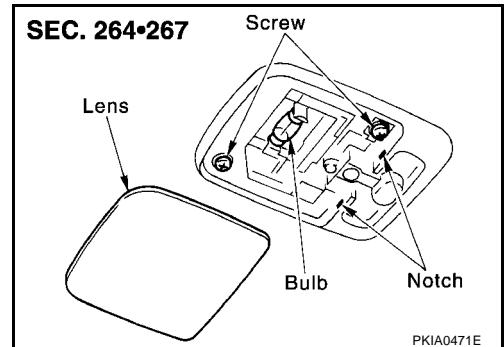
## LUGGAGE ROOM LAMP

Refer to [LT-64, "Bulb Replacement"](#) in INTERIOR ROOM LAMP

## Removal and Installation INTERIOR ROOM LAMP

EKS003DC

1. Insert a narrow slotted screwdriver in the cutout, and remove lens.
2. Remove room lamp mounting screws (2), and remove room lamp.
3. Disconnect the interior room lamp connector.



## LUGGAGE ROOM LAMP

Refer to [LT-64, "Removal and Installation"](#) in INTERIOR ROOM LAMP

# SPOT LAMPS

## SPOT LAMPS

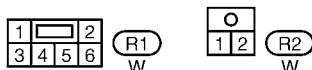
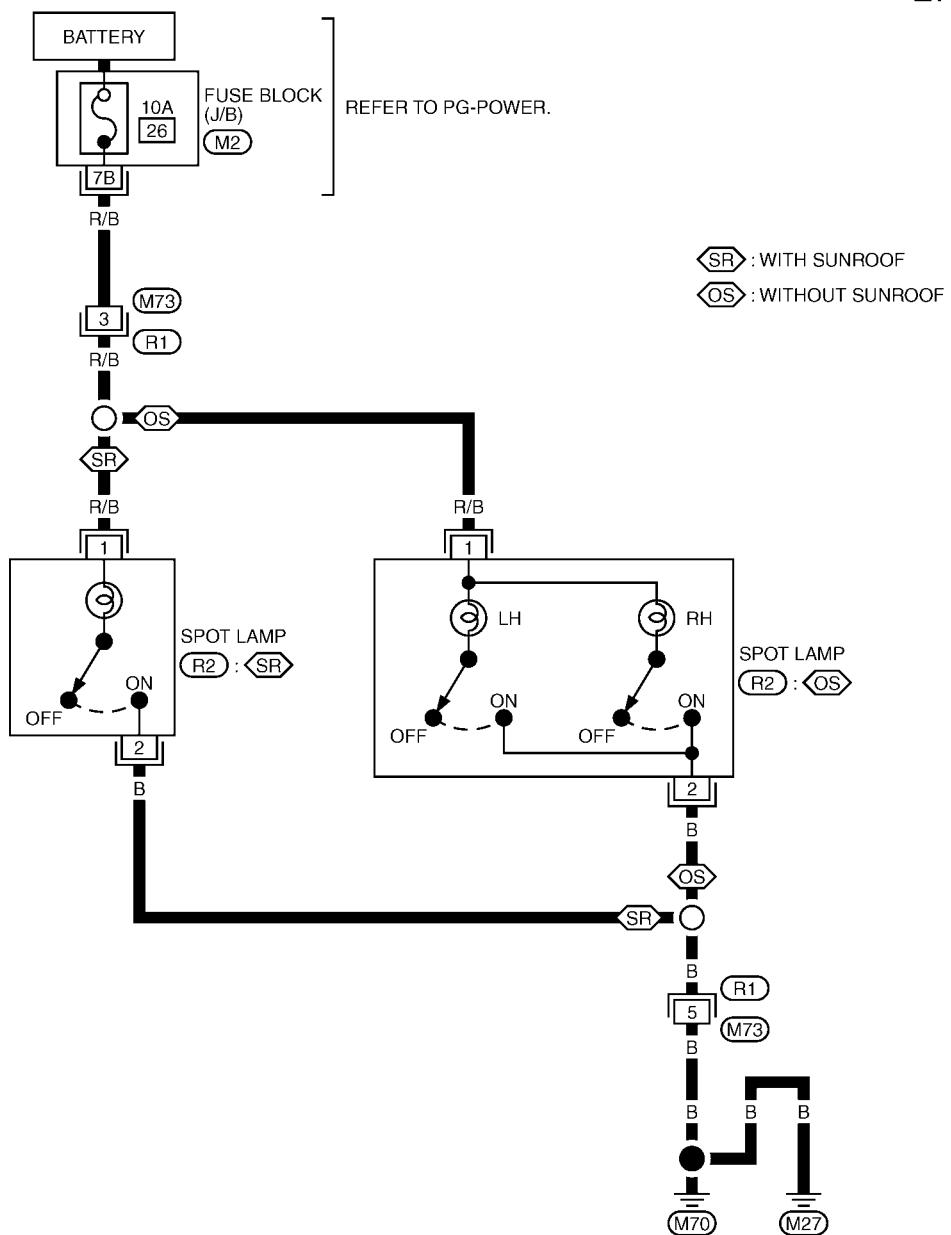
### Wiring Diagram -INT/L-

SMA for models with roof □  
mounted driving lamp

PFP:26470

EKS003C8

LT-INT/L-01



REFER TO THE FOLLOWING.  
M2 -FUSE BLOCK-JUNCTION  
BOX (J/B)

TKWA0085E

# SPOT LAMPS

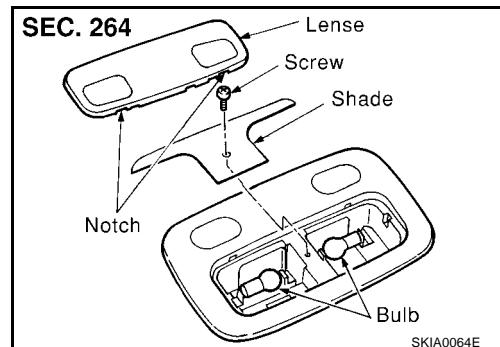
## Bulb Replacement

### SPOT LAMP (WITHOUT SUNROOF)

EKS003DD

1. Remove the lens using a clip driver or a suitable tool.
2. Remove the shade mounting screw and remove the shade from the spot lamp.
3. Remove the bulb.

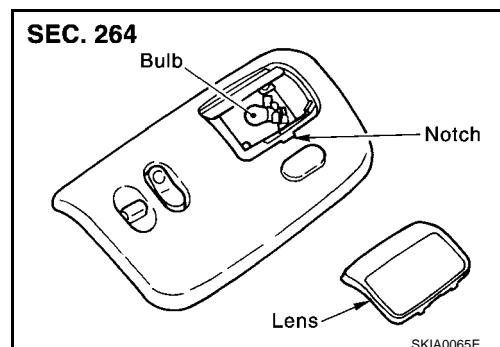
**Spot lamp (Without sunroof) : 12V 8W**



### SPOT LAMP (WITH SUNROOF)

1. Remove the lens using a clip driver or a suitable tool.
2. Remove the bulb.

**Spot lamp (With sunroof) : 12V 10W**

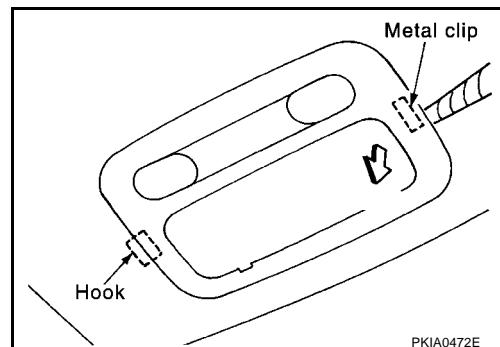


## Removal and Installation

### SPOT LAMP (WITHOUT SUNROOF)

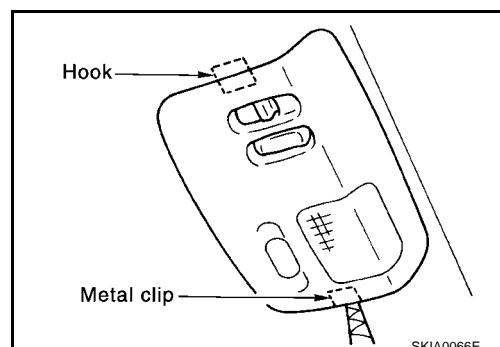
EKS003DE

1. Using a clips driver or a suitable tool, press and remove the metal clip of the spot lamp.
2. Disconnect the spot lamp connector.



### SPOT LAMP (WITH SUNROOF)

1. Using a clips driver or a suitable tool, press and remove the metal clip of the spot lamp.
2. Disconnect the spot lamp connector and sunroof connector.



# BULB SPECIFICATIONS

## BULB SPECIFICATIONS

### Headlamp

SMA for models with roof mounted driving lamp

PFP:26297

EKS003GS

Item	Wattage (W)
Low/High	55 /60(H4)

### Exterior Lamp

EKS003GT

Item	Wattage (W)	
Front combination lamp	Clearance lamp	5
Front turn signal lamp		21(amber)
Side turn signal lamp		5
Fog lamp	Front fog lamp	55(H3)
	Rear fog lamp	21
Rear combination lamp	Stop/Tail lamp	21/5
	Turn signal lamp	21
	Back-up lamp	21
License plate lamp		5
High-mounted stop lamp		5

### Interior Lamp/Illumination

EKS003GU

Item	Wattage (W)	
Interior room lamp	10	
Spot lamp	Without sunroof	8
	With sunroof	10
Luggage room lamp	10	

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## BULB SPECIFICATIONS

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