

09-18 LIGHTING SYSTEMS

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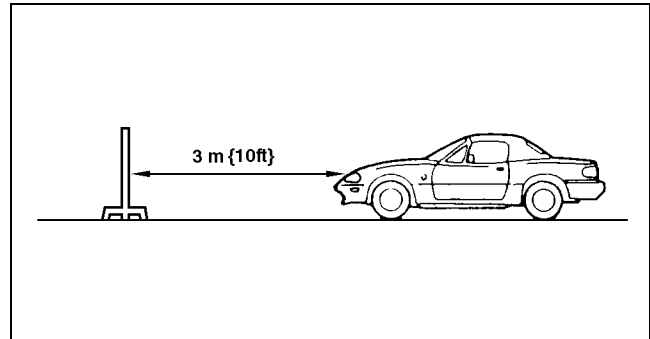
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HEADLIGHT ADJUSTMENT

A5U091851030W01

1. Adjust the tire air pressure to the specification.
2. Position the unloaded vehicle on a flat, level surface.
3. Seat one person in the driver's seat.
4. Position the vehicle straight ahead and perpendicularly to a wall.
5. Set the headlights **3 m {10 ft}** from the wall.
6. While adjusting one headlight, disconnect the connector of the other.
7. Start the engine to charge the battery.

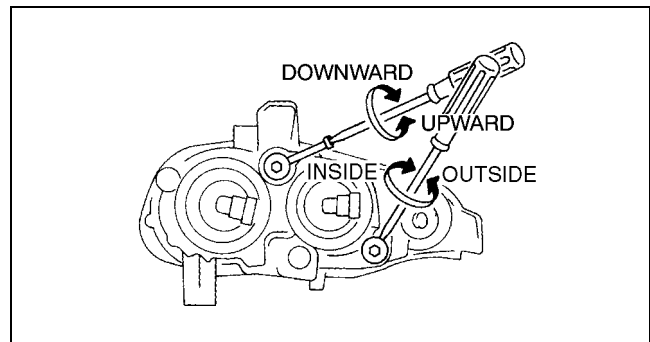


Z5U918WA1

8. Adjust the headlights by turning the adjusting screws as shown in the figure. Loosen the screws first, then tighten them.

Note

- If the adjusting screws are tightened first, then loosened, they will continue to loosen when the vehicle is in motion and may cause the headlights to become misaligned.



Z5U918WA2

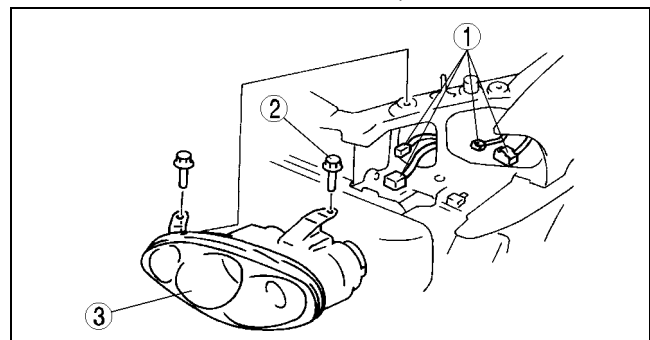
FRONT COMBINATION LIGHT REMOVAL/INSTALLATION

A5U091851060W01

1. Disconnect the negative battery cable.
2. Remove the front bumper. (See 09-10-5 FRONT BUMPER REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.

1	Connector
2	Bolt
3	Front combination light

4. Install in the reverse order of removal.
5. Adjust the headlight aiming. (See 09-18-2 HEADLIGHT ADJUSTMENT.)



Z5U918WA6

HEADLIGHT BULB REMOVAL/INSTALLATION

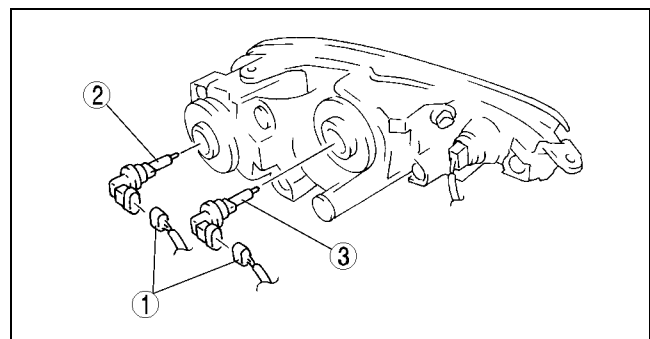
A5U091851030W02

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

1	Connector
2	Headlight bulb (Low)
3	Headlight bulb (High)

Caution

- A halogen bulb generates extremely high heat when it is used. If the surface of the bulb is soiled, excessive heat will build up and the light's life will be shortened. When replacing the bulb, hold the metal flange, not the glass.



Z5U918WAB

3. Install in the reverse order of removal.

LIGHTING SYSTEMS

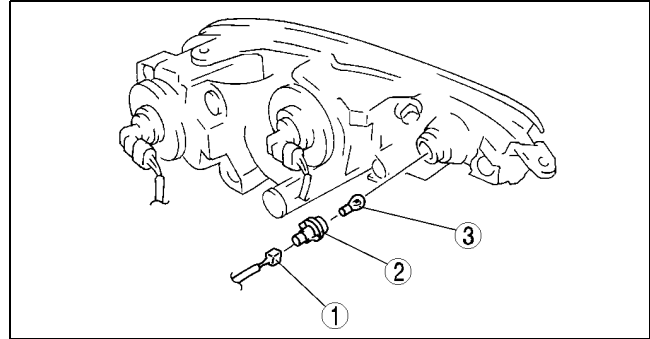
FRONT TURN LIGHT/PARKING LIGHT BULB REMOVAL/INSTALLATION

A5U091851045W01

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

1	Connector
2	Socket
3	Front turn light/parking light bulb

3. Install in the reverse order of removal.



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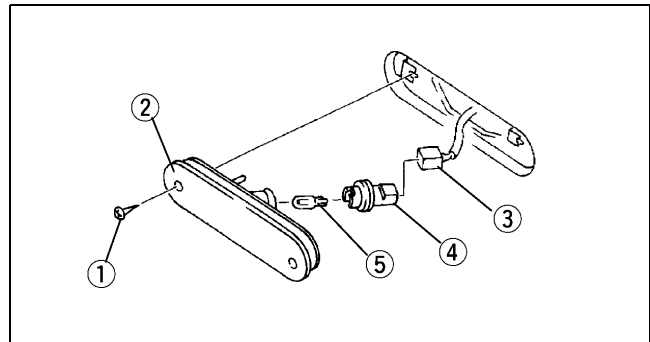
FRONT SIDE MARKER LIGHT REMOVAL/INSTALLATION

A5U091851120W01

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

1	Screw
2	Front side marker light
3	Connector
4	Socket
5	Front side marker light bulb

3. Install in the reverse order of removal.

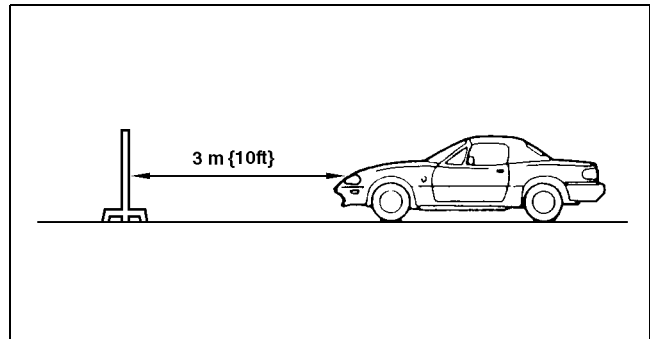


X5U918WA5

FRONT FOG LIGHT ADJUSTMENT

A5U091851680W01

1. Adjust the tire air pressure to the specification.
2. Position the unloaded vehicle on a flat, level surface.
3. Seat one person in the driver's seat.
4. Position the vehicle straight ahead and perpendicularly to a wall.
5. Set the front fog light **3 m {10 ft}** from the wall.
6. While adjusting one front fog light, disconnect the connector of the other.
7. Start the engine to charge the battery.
8. Turn over the mud guard.

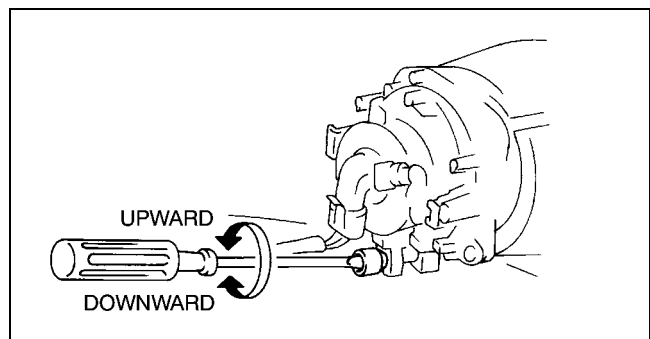


Z5U918WA1

9. Adjust the front fog light by turning the adjusting screws as shown in the figure. Loosen the screws first, then tighten them.

Note

- If the adjusting screws are tightened first, then loosened, they will continue to loosen when the vehicle is in motion and may cause the front fog light to become misaligned.



Z5U918WA8

LIGHTING SYSTEMS

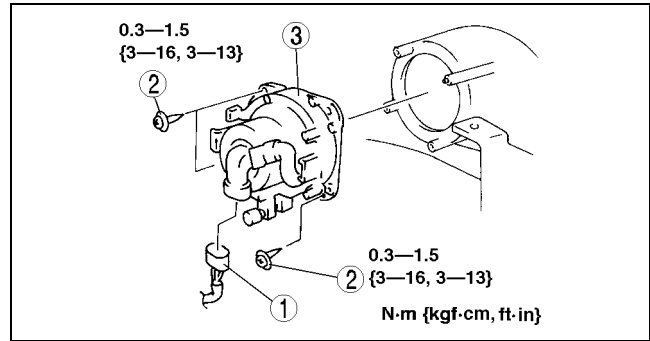
FRONT FOG LIGHT REMOVAL/INSTALLATION

A5U091851680W02

1. Disconnect the negative battery cable.
2. Turn over the mud guard.
3. Remove in the order indicated in the table.

1	Connector
2	Screw
3	Front fog light

4. Install in the reverse order of removal.
5. Adjust the front fog light. (See 09-18-3 FRONT FOG LIGHT ADJUSTMENT.)



Z5U918WA7

FRONT FOG LIGHT BULB REMOVAL/INSTALLATION

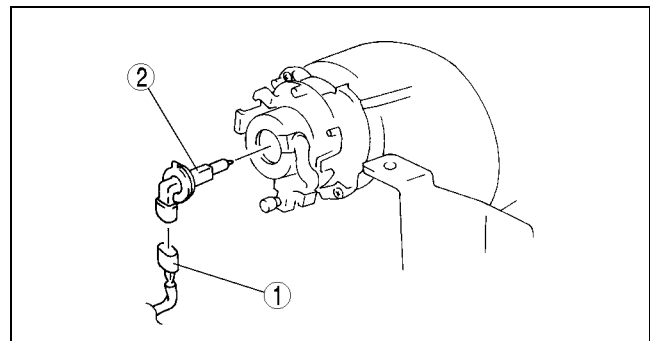
A5U091851680W03

1. Disconnect the negative battery cable.
2. Turn over the mud guard.
3. Remove in the order indicated in the table.

1	Connector
2	Front fog light bulb

Caution

- A halogen bulb generates extremely high heat when it is used. If the surface of the bulb is soiled, excessive heat will build up and the light's life will be shortened. When replacing the bulb, hold the metal flange, not the glass.



Z5U918WA9

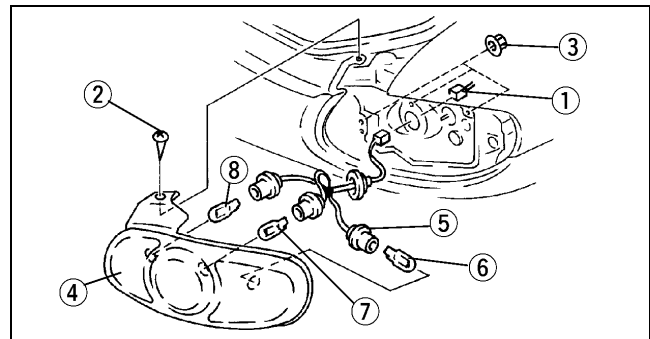
4. Install in the reverse order of removal.

REAR COMBINATION LIGHT REMOVAL/INSTALLATION

A5U091851150W01

1. Disconnect the negative battery cable.
2. Remove the trunk end trim. (See 09-17-8 TRUNK END TRIM REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.

1	Connector
2	Screw
3	Nut
4	Rear combination light
5	Socket
6	Brake light/taillight bulb
7	Rear turn light bulb
8	Back-up light bulb



X5U918WA6

4. Install in the reverse order of removal.

LIGHTING SYSTEMS

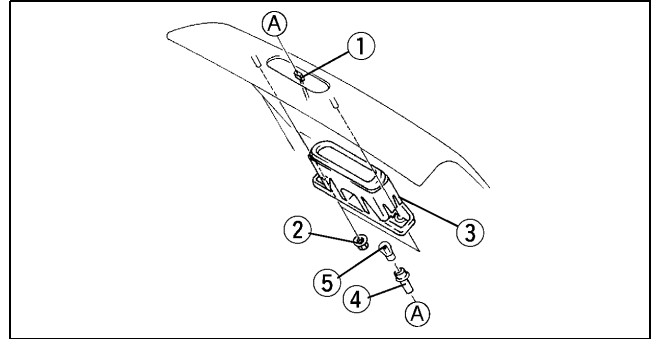
HIGH-MOUNT BRAKE LIGHT REMOVAL/INSTALLATION

A5U091851580W01

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

1	Connector
2	Nut
3	High-mount brake light (See 09-18-5 High-mount Brake Light Removal Note)
4	Socket
5	High-mount brake light bulb

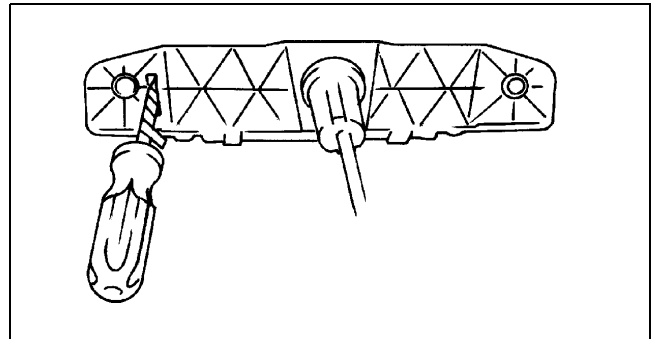
3. Install in the reverse order of removal.



X5U918WA8

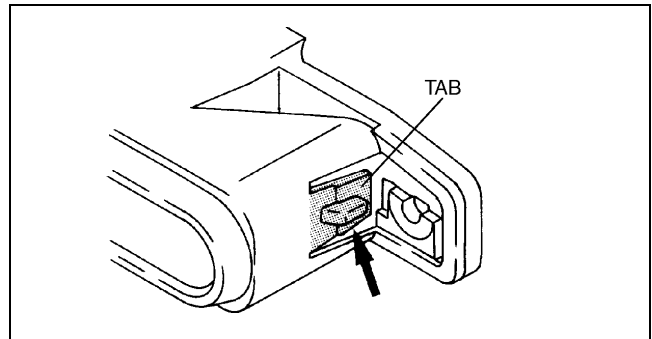
High-mount Brake Light Removal Note

1. Insert a tape-wrapped flathead screwdriver into the left side opening.
2. Press the tab of the high-mount brake light with a tape-wrapped flathead screwdriver.
3. Pull the high-mount brake light out from the body.



X5U918WA9

09-18



Y5U918WAC

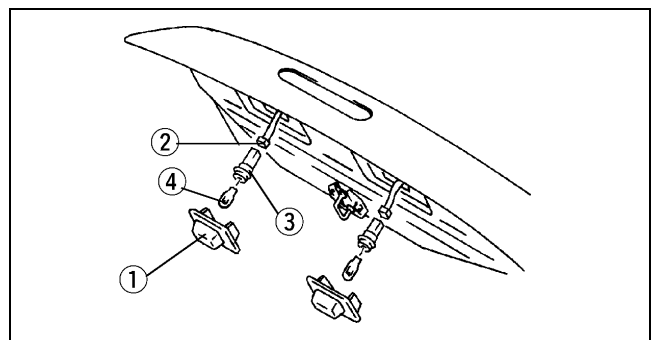
LICENSE PLATE LIGHT REMOVAL/INSTALLATION

A5U091851270W01

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

1	License plate light (See 09-18-6 License Plate Light Removal Note)
2	License plate light connector
3	Socket
4	License plate light bulb

3. Install in the reverse order of removal.

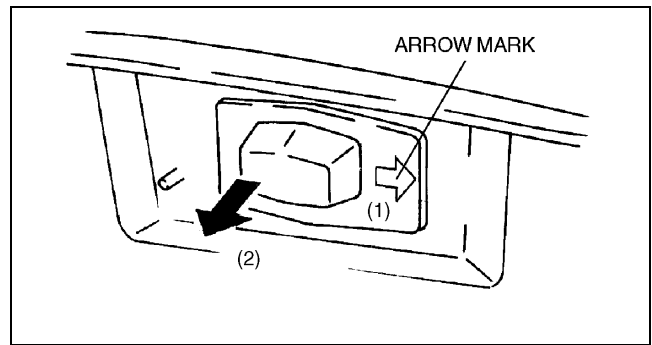


X5U918WAB

LIGHTING SYSTEMS

License Plate Light Removal Note

- (1) Slide the license plate light to the arrow mark and (2) remove it.



Y5U918WAB

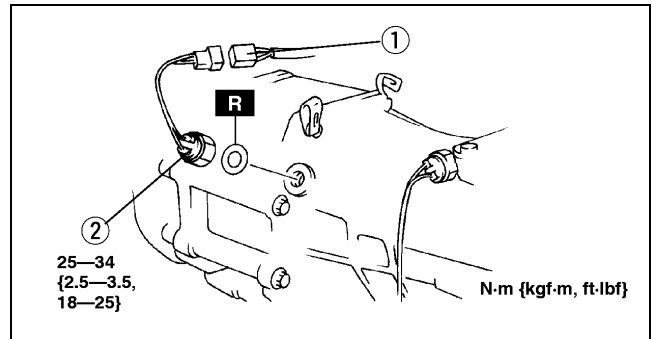
BACK-UP LIGHT SWITCH REMOVAL/INSTALLATION

A5U091817640W01

- Disconnect the negative battery cable.
- Remove in the order indicated in the table.

1	Connector
2	Back-up light switch

- Install in the reverse order of removal.



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BACK-UP LIGHT SWITCH INSPECTION

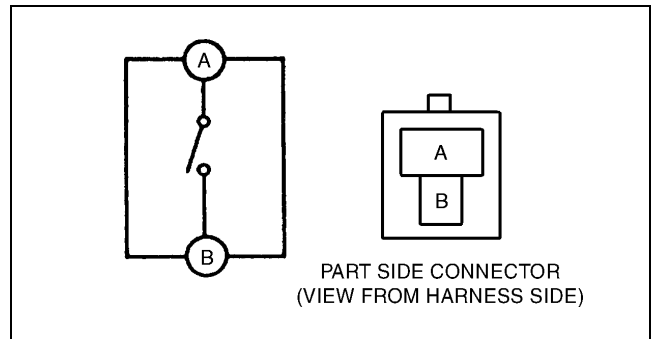
A5U091817640W02

- Disconnect the back-up light switch connector.
- Inspect for continuity between the back-up light switch terminals using an ohmmeter.
 - If not as specified, replace the back-up light switch.

Shift lever position	Terminal	
	A	B
Reverse	○—○	○—○
Other		

○—○ : Continuity

X5U918WAP



Y5U918WA0

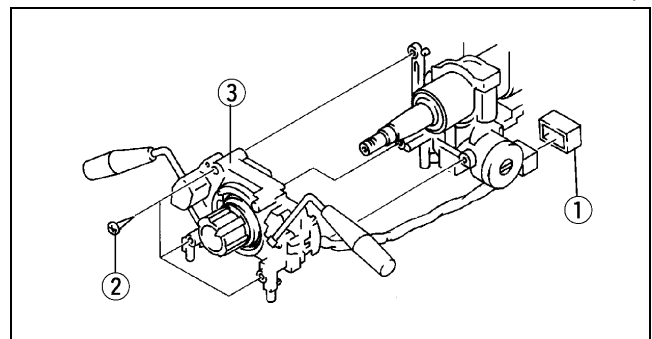
COMBINATION SWITCH REMOVAL/INSTALLATION

A5U091866120W01

- Disconnect the negative battery cable.
- Remove the driver-side air bag module. (See 08–10–5 DRIVER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION.)
- Remove the steering wheel. (See 06–11–3 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.)
- Remove the column cover.
- Remove the clock spring. (See 08–10–8 CLOCK SPRING REMOVAL/INSTALLATION.)
- Remove in the order indicated in the table.

1	Connector
2	Screw
3	Combination switch

- Install in the reverse order of removal.



X5U918WAD

LIGHTING SYSTEMS

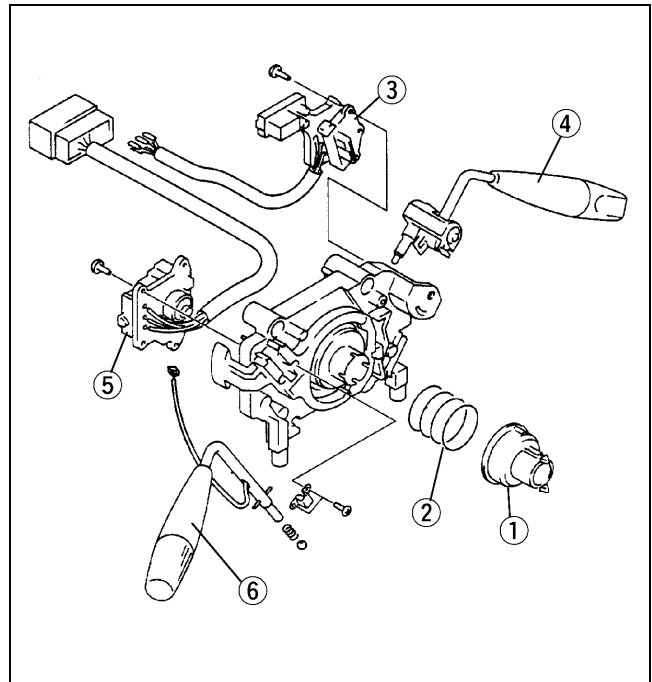
COMBINATION SWITCH DISASSEMBLY/ASSEMBLY

A5U091866120W02

1. Disassemble in the order indicated in the table.

1	Cancel cam
2	Spring
3	Wiper unit (See 09-18-7 Wiper Unit Assembly Note)
4	Wiper lever
5	Light unit
6	Light lever

2. Assemble in the reverse order of disassembly.



X5U918WAE

Wiper Unit Assembly Note

1. Make sure the terminals of the harness assembly are connected to the terminals of the connector as shown in the table.

The color of assembly harness	Terminal of connector
LG	AJ
LG/R	J
G/R	F
Y/R	N
R	E
B	B
G/Y	H
G/W	L
G/B	P

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LIGHTING SYSTEMS

COMBINATION SWITCH INSPECTION

A5U091866120W03

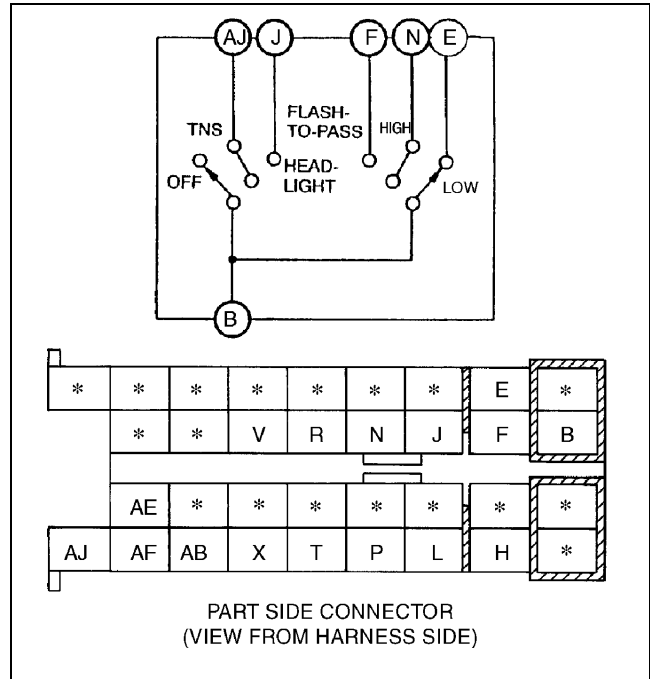
Headlight Switch

1. Remove the combination switch. (See 09-18-6 COMBINATION SWITCH REMOVAL/INSTALLATION.)
2. Inspect for continuity between the combination switch terminals using an ohmmeter.
 - If not as specified, replace the light unit or light lever.

○—○ : Continuity

Switch position			Terminal						
Light	Dimmer	Flash-to-pass	B	E	N	AJ	J	F	
OFF	—	Off							
		On	○		○				○
TNS	—	Off	○			○			
		On	○		○	○			○
Head-light	Low	Off	○—○			○—○			
		On	○		○	○	○	○	○
	High	Off	○		○	○	○	○	
		On	○		○	○	○	○	

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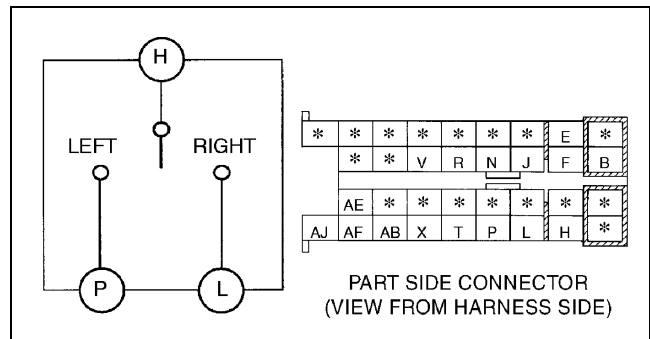
Turn Switch

1. Remove the combination switch. (See 09-18-6 COMBINATION SWITCH REMOVAL/INSTALLATION.)
2. Inspect for continuity between the combination switch terminals using an ohmmeter.
 - If not as specified, replace the light unit or light lever.

○—○ : Continuity

Switch position	Terminal		
	H	P	L
Right	○		○
Off			
Left	○	○	

X5U918WAH



Y5U918WA2

LIGHTING SYSTEMS

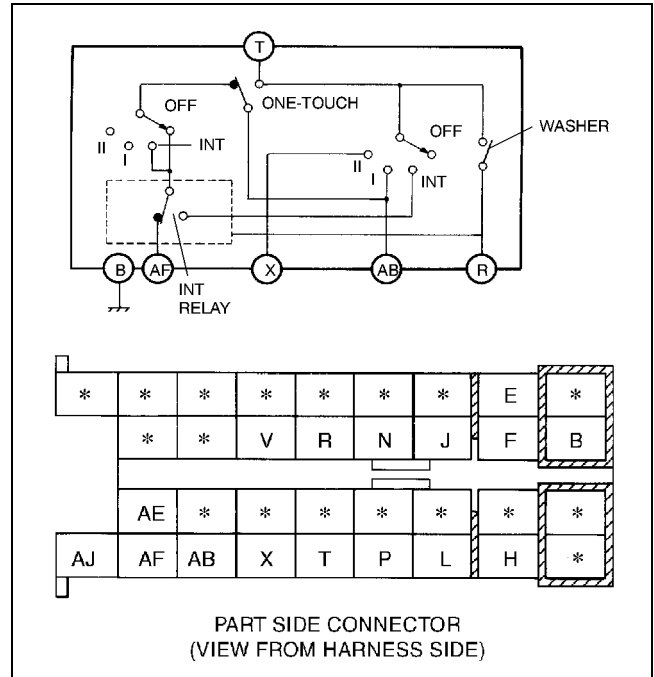
Windshield Wiper and Washer Switch

1. Remove the combination switch. (See 09-18-6 COMBINATION SWITCH REMOVAL/INSTALLATION.)
2. Inspect for continuity between the combination switch terminals using an ohmmeter.
 - If not as specified, replace the wiper unit or the wiper lever.

○—○ : Continuity

Switch position		One-touch	Terminal				
			R	AF	T	AB	X
Wiper switch	OFF	OFF		○	—	○	
		ON			○	○	
	INT			○	—	○	
	I				○	○	
	II				○	—	○
Washer switch	ON		○	—	○		

Z5U0918W002



Z5U0918W003

HAZARD WARNING SWITCH REMOVAL/INSTALLATION

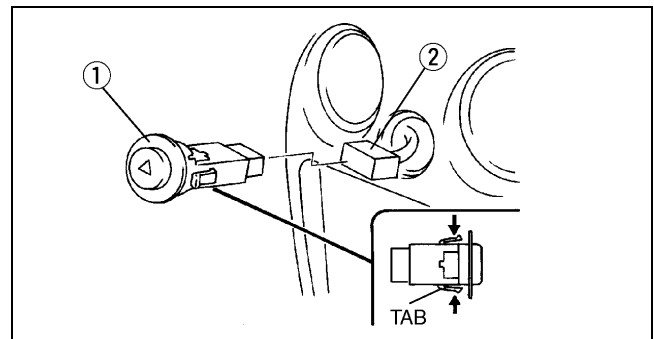
A5U091866401W01

09-18

1. Disconnect the negative battery cable.
2. Remove the audio unit. (See 09-20-7 AUDIO UNIT REMOVAL.) (See 09-20-8 AUDIO UNIT INSTALLATION.)
3. Remove in the order indicated in the table.

1	Hazard warning switch (See 09-18-9 Hazard Warning Switch Removal Note)
2	Connector

4. Install in the reverse order of removal.



Y5U0918WAD

Hazard Warning Switch Removal Note


1. Insert your hand into the center panel opening.
2. Press the tabs of the hazard warning switch.
3. Pull the hazard warning switch out from the center panel.



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HAZARD WARNING SWITCH INSPECTION

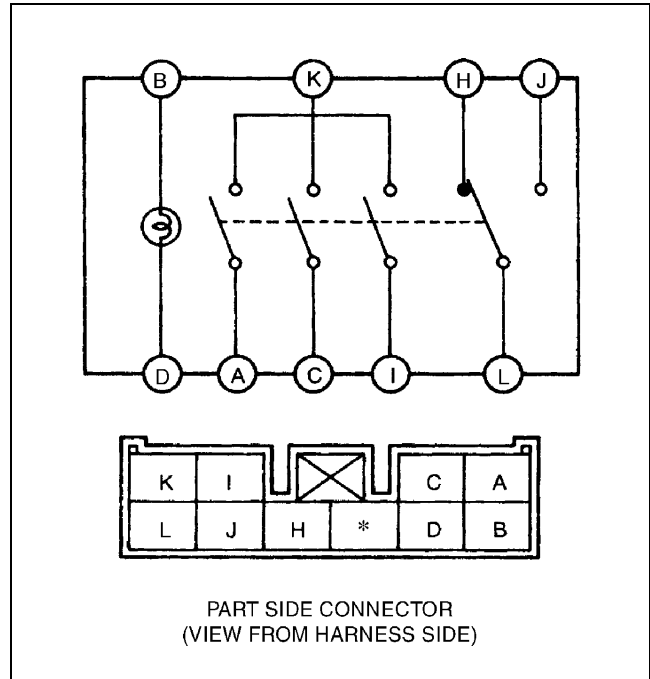
A5U091866401W02

1. Remove the hazard warning switch. (See 09-18-9 HAZARD WARNING SWITCH REMOVAL/ INSTALLATION.)
2. Inspect for continuity between the hazard warning switch terminals using an ohmmeter.
 - If not as specified, replace the hazard warning switch.

○—○ : Continuity ○○ : Bulb

Switch position	Terminal							
	H	J	L	A	C	I	K	B D
Off	○—○	○—○	○—○	○—○	○—○	○—○	○—○	○  ○
On	○—○	○—○	○—○	○—○	○—○	○—○	○—○	○  ○

X5U918WAL



Y5U918WA4

FRONT FOG LIGHT SWITCH REMOVAL/INSTALLATION

A5U091866402W01

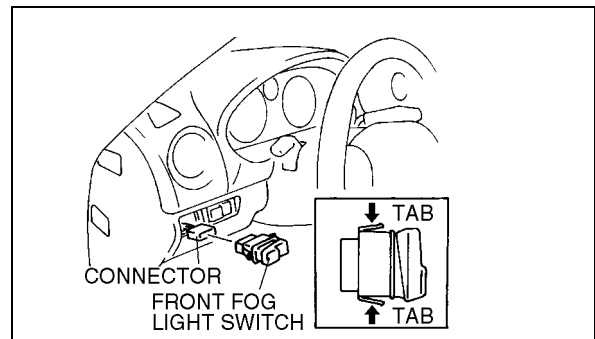
With Cruise Control System

Note

- The front fog light switch and the cruise control main switch are integrated.
- See 01-20-9 CRUISE CONTROL MAIN SWITCH REMOVAL/INSTALLATION.

Without Cruise Control System

1. Disconnect the negative battery cable.
2. Remove the fuse block cover.
3. Remove the panel light control switch. (See 09-18-19 PANEL LIGHT CONTROL SWITCH REMOVAL/ INSTALLATION.)
4. Push the tabs of the cruise control main switch and pull the switch out from inside of the dashboard.
5. Disconnect the cruise control main switch connector to remove the cruise control main switch.
6. Install in the reverse order of removal.



Z5U918WAA

LIGHTING SYSTEMS

FRONT FOG LIGHT SWITCH INSPECTION

A5U091866402W02

With Cruise Control System

Note

- The front fog light switch and the cruise control main switch are integrated.
- See 01-20-9 CRUISE CONTROL MAIN SWITCH INSPECTION.

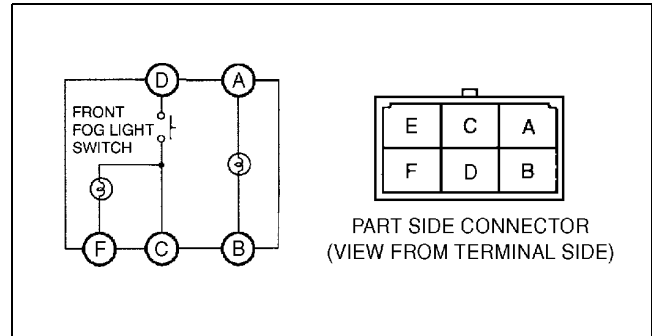
Without Cruise Control System

- Remove the front fog light switch. (See 09-18-10 FRONT FOG LIGHT SWITCH REMOVAL/INSTALLATION.)
- Inspect for continuity between the front fog light switch terminals using an ohmmeter.
 - If not as specified, replace the front fog light switch.

○—○ : Continuity ○—(Ω)—○ : Bulb

Switch position	Terminal				
	A	B	D	C	F
On	○—(Ω)—○		○—○	○—(Ω)—○	
Off	○—(Ω)—○			○—(Ω)—○	

Z5U918WAD



Z5U918WAC

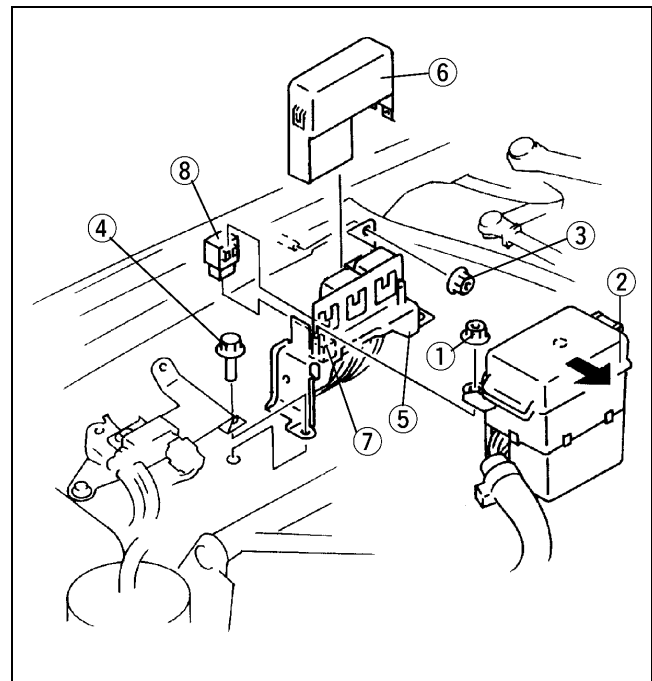
HEADLIGHT RELAY REMOVAL/INSTALLATION

A5U091867742W01

- Disconnect the negative battery cable.
- Remove in the order indicated in the table.

1	Nut
2	Main fuse block
3	Nut
4	Bolt
5	Bracket
6	Cover
7	Connector
8	Headlight relay

- Install in the reverse order of removal.



X5U918WAQ

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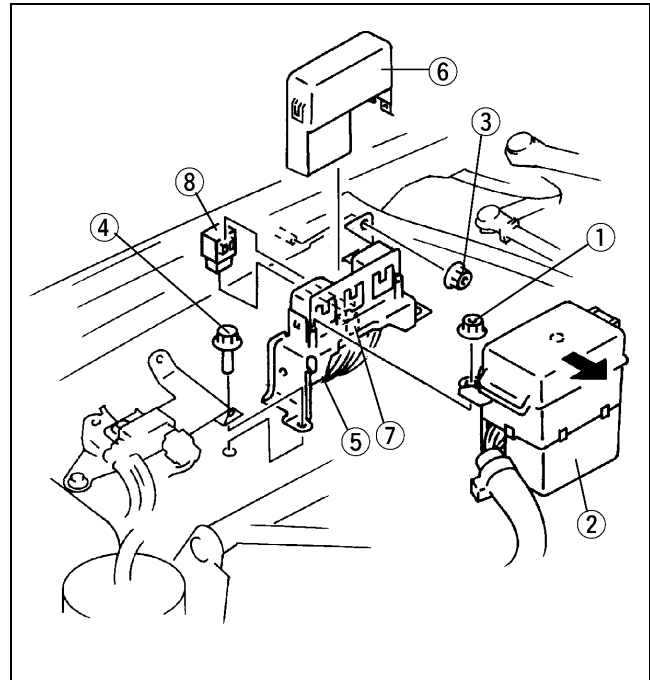
TNS RELAY REMOVAL/INSTALLATION

A5U091867743W01

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

1	Nut
2	Main fuse block
3	Nut
4	Bolt
5	Bracket
6	Cover
7	Connector
8	TNS relay

3. Install in the reverse order of removal.



X5U918WAT

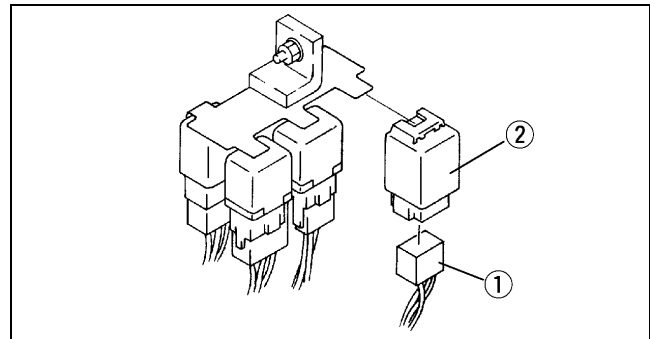
FLASHER CONTROL MODULE REMOVAL/INSTALLATION

A5U091866830W01

1. Disconnect the negative battery cable.
2. Remove the lower panel.
3. Remove in the order indicated in the table.

1	Connector
2	Flasher control module

4. Install in the reverse order of removal.



X5U918WAW

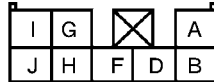
LIGHTING SYSTEMS

FLASHER CONTROL MODULE INSPECTION

A5U091866830W02

1. Measure the voltage at the flasher control module terminals as indicated below.
2. Disconnect the flasher control module connector before inspecting for continuity at terminal F.
 - If not as specified, inspect the parts listed under "Action".
 - If the parts and wiring harnesses are okay but the system still does not work properly, replace the flasher control module.

Terminal Voltage List (Reference)



HARNESS SIDE CONNECTOR
(VIEW FROM HARNESS SIDE)

ZLU918WA6

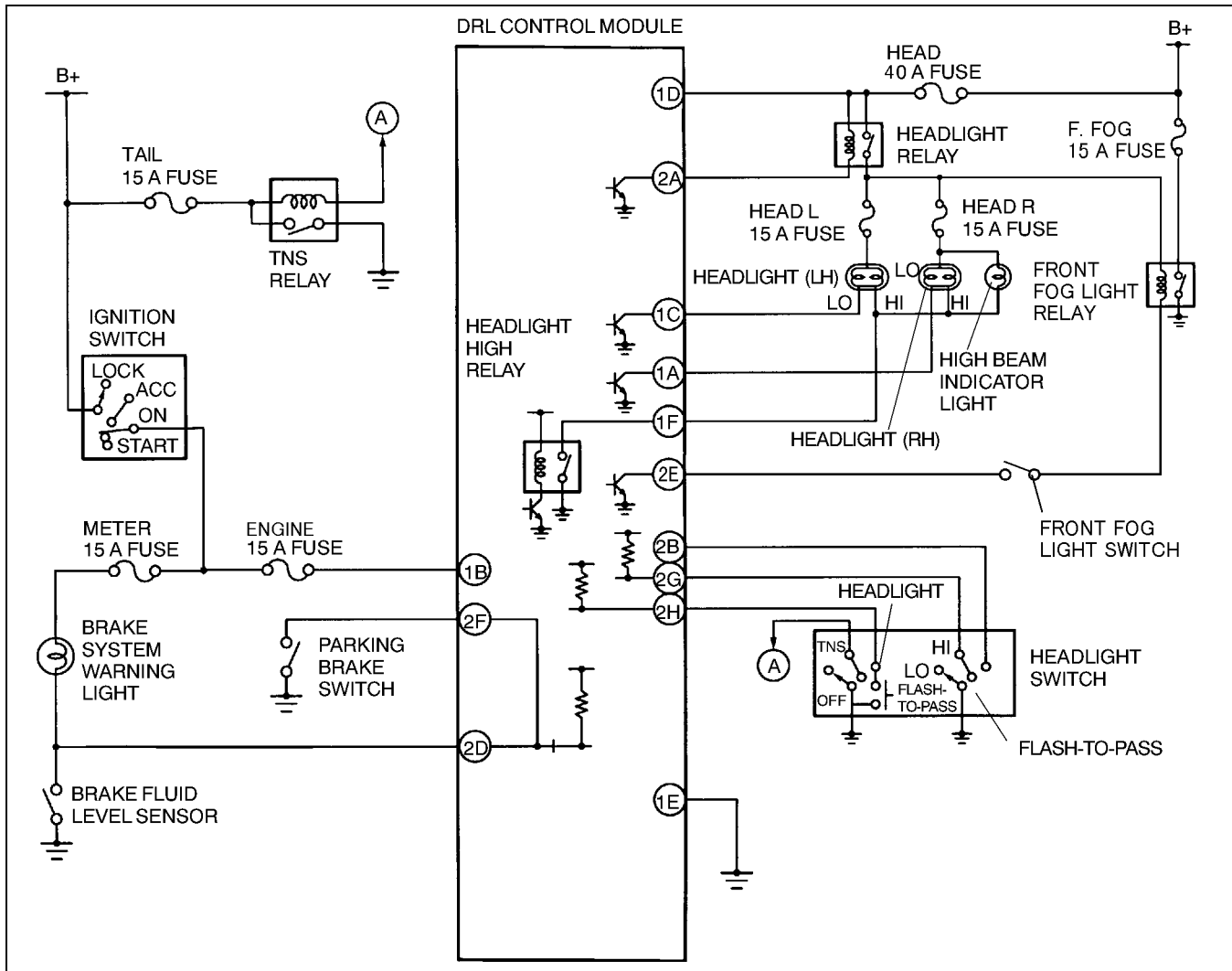
Terminal	Signal	Connected to	Test condition	Voltage (V)/ Continuity	Action
A	Power supply	HAZARD 10 A fuse	Under any condition	B+	<ul style="list-style-type: none"> • Inspect HAZARD 10 A fuse • Inspect related harness
B	—	—	—	—	—
D	Turn signal flasher (LH)	Turn signal light (LH)	Turn signal light (LH) flashes.	Alternates between 0 and B+	<ul style="list-style-type: none"> • Inspect turn signal light (LH) • Inspect related harness
			Hazard warning switch at on position.		
			Other	0	
F	Flasher control module ground	GND	Constant: inspect for continuity to ground.	Yes	<ul style="list-style-type: none"> • Inspect GND
G	Turn signal flasher (RH)	Turn signal light (RH)	Turn signal light (RH) flashes.	Alternates between 0 and B+	<ul style="list-style-type: none"> • Inspect turn signal light (RH) • Inspect related harness
			Hazard warning switch at on position.		
			Other	0	
H	Hazard warning on	Hazard warning switch	Hazard warning switch at on position.	0	<ul style="list-style-type: none"> • Inspect hazard warning switch • See 09-18-10 HAZARD WARNING SWITCH INSPECTION • Inspect related harness
			Hazard warning switch at off position.	B+	
I	Turn switch on/off (RH)	Combination switch	Ignition switch is at ON and turn switch (RH) on.	B+	<ul style="list-style-type: none"> • Inspect combination switch • See 09-18-8 COMBINATION SWITCH INSPECTION • Inspect TURN 7.5 A fuse • Inspect related harness
			Other	0	
J	Turn switch on/off (LH)	Combination switch	Ignition switch is at ON and turn switch (LH) on.	B+	<ul style="list-style-type: none"> • Inspect combination switch • See 09-18-8 COMBINATION SWITCH INSPECTION • Inspect TURN 7.5 A fuse • Inspect related harness
			Other	0	

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LIGHTING SYSTEMS

DRL SYSTEM WIRING DIAGRAM

A5U091801058W01



Z5U0918W004

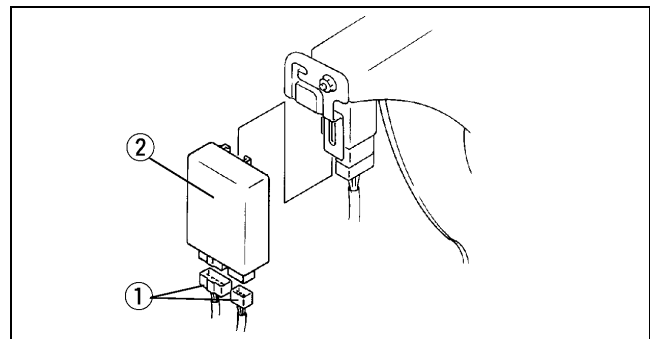
DRL CONTROL MODULE REMOVAL/INSTALLATION

A5U091867750W01

1. Disconnect the negative battery cable.
2. Remove the lower panel.
3. Remove in the order indicated in the table.

1	Connector
2	DRL control module

4. Install in the reverse order of removal.



X5U918WAY

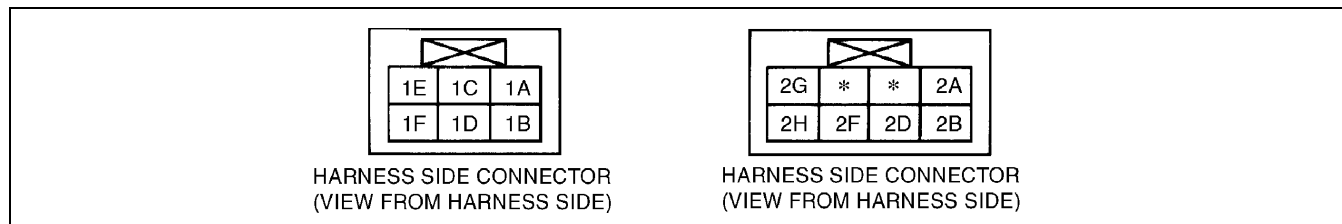
LIGHTING SYSTEMS

DRL CONTROL MODULE INSPECTION

A5U091867750W02

1. Measure the voltage at the DRL control module terminals as indicated below.
2. Disconnect the DRL control module connector before inspecting for continuity at terminal 1E.
 - If not as specified, inspect the parts listed under "Action."
 - If the parts and wiring harnesses are okay but the system still does not work properly, replace the DRL control module.

Terminal Voltage List (Reference)



Y5U918WA8

Terminal	Signal	Connection	Test condition		Voltage (V)/Continuity	Action
1A	RH headlight operation (low beam)	RH headlight (low beam)	Headlight switch at 2nd position	Dimmer switch at the high beam position	B+	<ul style="list-style-type: none"> Inspect H/L-R 15 A fuse Inspect RH headlight Inspect related harness
				Dimmer switch at the low beam position	0	
			Headlight switch at OFF or 1st position		0	
1B	IG1	ENGINE 15 A fuse	Ignition switch at ON position		B+	<ul style="list-style-type: none"> Inspect ENGINE 15 A fuse Inspect related harness
			Ignition switch at LOCK or ACC position		0	
1C	LH headlight operation (low beam)	LH headlight (low beam)	Headlight switch at 2nd position	Dimmer switch at the high beam position	B+	<ul style="list-style-type: none"> Inspect H/L-L 15 A fuse Inspect LH headlight Inspect related harness
				Dimmer switch at the low beam position	0	
			Headlight switch at OFF or 1st position		0	
1D	Power supply	HEAD 40 A fuse	Under any condition		B+	<ul style="list-style-type: none"> Inspect HEAD 40 A fuse Inspect related harness
1E	DRL control module ground	GND	Under any condition: inspect for continuity to ground		Yes	<ul style="list-style-type: none"> Inspect GND
1F	Headlight operation (high beam)	Headlight (high beam)	Headlight switch at 2nd position	Dimmer switch at the high beam position	0	<ul style="list-style-type: none"> Inspect headlight Inspect related harness
				Dimmer switch at the low beam position	B+	
			Headlight switch at OFF or 1st position		0	
2A	Headlight relay operation	Headlight relay	Headlight switch at 2nd position		0	<ul style="list-style-type: none"> Inspect HEAD 40 A fuse Inspect headlight relay Inspect related harness
			Headlight switch at OFF or 1st position		B+	

LIGHTING SYSTEMS

Terminal	Signal	Connection	Test condition		Voltage (V)/ Continuity	Action
2B	Flash-to-pass	Headlight switch	Flash-to-pass activated		0	<ul style="list-style-type: none"> Inspect combination switch (See 09-18-8 COMBINATION SWITCH INSPECTION) Inspect related harness
			Flash-to-pass not activated		B+	
2C	—	—	—		—	—
2D	Brake system warning light operation	<ul style="list-style-type: none"> Brake system warning light Brake fluid level sensor 	Ignition switch at ON position and parking brake lever released	Brake fluid level is below MIN.	0	<ul style="list-style-type: none"> Inspect METER 15 A fuse Inspect instrument cluster Inspect brake fluid level sensor (See 04-11-9 FLUID LEVEL SENSOR INSPECTION) Inspect related harness
				Brake fluid level is above MIN.	B+	
			Ignition switch at LOCK or ACC position		0	
2E	—	—	—		—	—
2F	Parking brake lever pulled/released	Parking brake switch	Parking brake lever pulled		0	<ul style="list-style-type: none"> Inspect parking brake switch (See 04-12-1 PARKING BRAKE INSPECTION) Inspect related harness
			Parking brake lever released		B+	
2G	High beam on/off	Headlight switch	Dimmer switch at the high position		0	<ul style="list-style-type: none"> Inspect combination switch (See 09-18-8 COMBINATION SWITCH INSPECTION) Inspect related harness
			Dimmer switch at the low position		B+	
2H	Headlight switch on/off	Headlight switch	Headlight switch at 2nd position		0	<ul style="list-style-type: none"> Inspect combination switch (See 09-18-8 COMBINATION SWITCH INSPECTION) Inspect related harness
			Headlight switch at OFF or 1st position		B+	

LIGHTING SYSTEMS

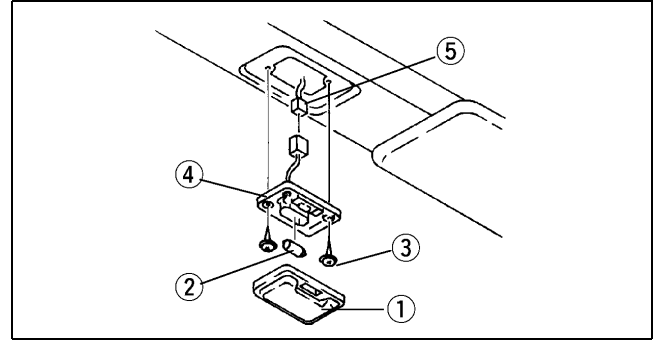
INTERIOR LIGHT REMOVAL/INSTALLATION

A5U091851311W01

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

1	Lens (See 09–18–17 Lens Removal Note)
2	Interior light bulb
3	Screw
4	Interior light
5	Connector

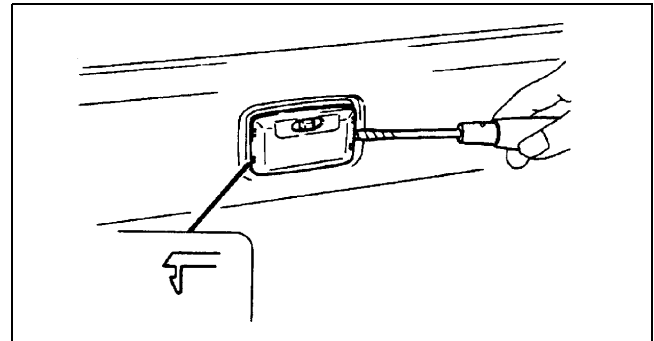
3. Install in the reverse order of removal.



X5U9182B0

Lens Removal Note

1. Insert a tape-wrapped flathead screwdriver into the lens.
2. Twist the screwdriver and remove the lens.



X5U918WB1

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INTERIOR LIGHT INSPECTION

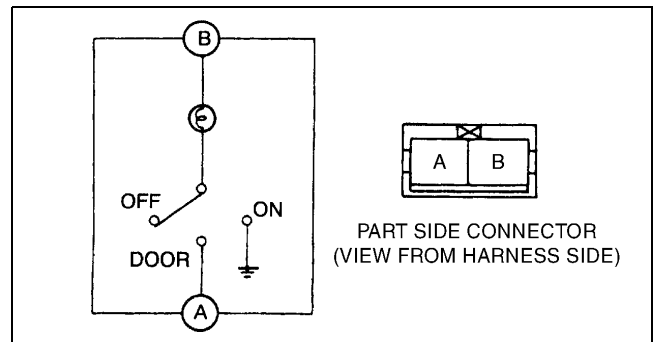
A5U091851311W02

1. Remove the interior light. (See 09–18–17 INTERIOR LIGHT REMOVAL/INSTALLATION.)
2. Inspect for continuity between the interior light terminals using an ohmmeter.
 - If not as specified, replace the interior light.

○—⊕—○ : Bulb

Switch position	Terminal		
	A	B	Body GND
ON		○—⊕—○	
DOOR	○—⊕—○		
OFF			

X5U918WB2



Y5U918WA9

LIGHTING SYSTEMS

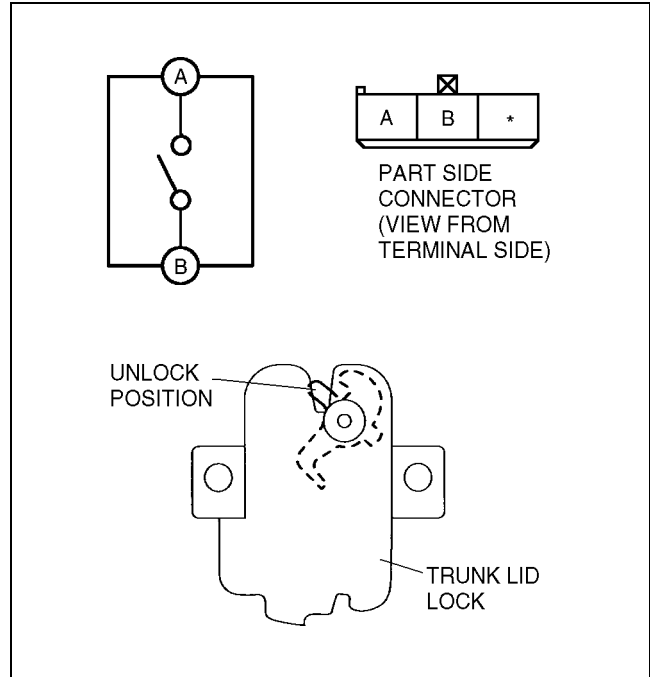
TRUNK COMPARTMENT LIGHT SWITCH INSPECTION

A5U091851440W01

Note

- Trunk compartment light switch has a built-in trunk lid lock.

1. Disconnect the negative battery cable.
2. Open the trunk lid.
3. Remove the trunk lid trim.
4. Disconnect the trunk compartment light switch connector.
5. Check the continuity between the trunk compartment light switch terminal A and B.
 - If there is on continuity, replace the trunk lid lock.

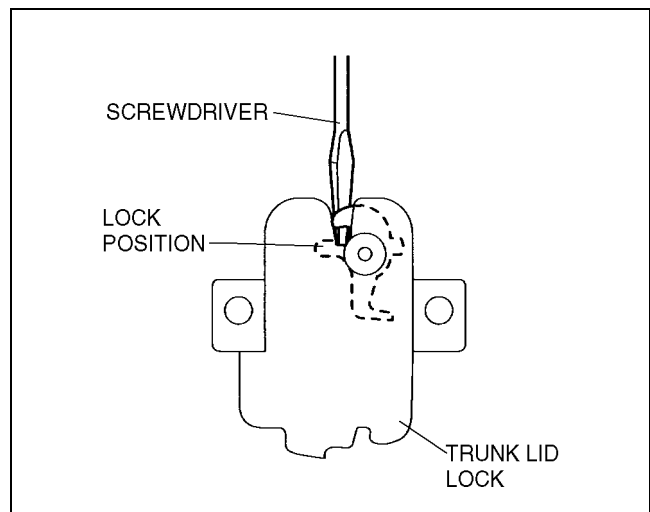


A5U0918W102

6. Lock the trunk lid lock using a flat-head screwdriver or equivalent as shown.
7. Check the continuity between the trunk compartment light switch terminal A and B.
 - If there is continuity, replace the trunk lid lock.

Caution

- After the inspection, unlock the trunk lid lock. If closing the trunk lid with the trunk lid lock locked, the trunk lid lock and/or striker may be broken.



A5U0918W103

LIGHTING SYSTEMS

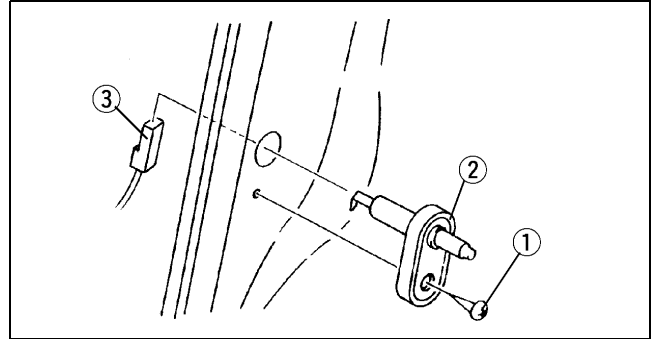
DOOR SWITCH REMOVAL/INSTALLATION

A5U091866540W01

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

1	Screw
2	Door switch
3	Connector

3. Install in the reverse order of removal.



X5U918WB3

DOOR SWITCH INSPECTION

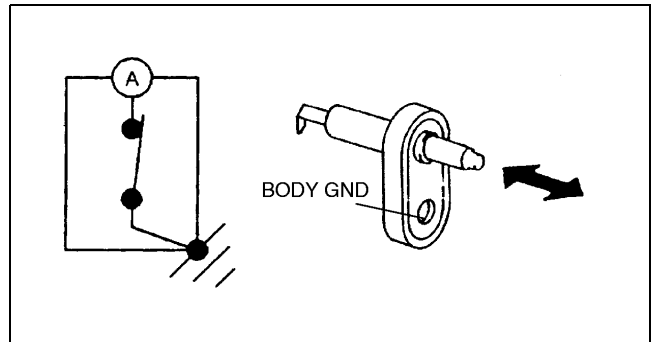
A5U091866540W02

1. Remove the door switch.
2. Inspect for continuity between the door switch terminals using an ohmmeter.
 - If not as specified, replace the door switch.

○—○ : Continuity

Switch condition	Terminal	
	A	Body GND
Pressed		
Released	○—○	○—○

X5U918WB4



X5U918WB5

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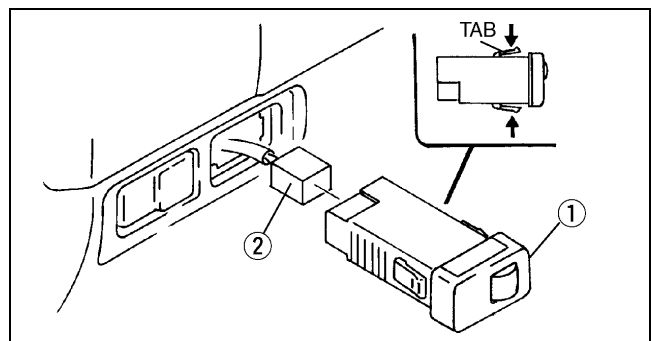
PANEL LIGHT CONTROL SWITCH REMOVAL/INSTALLATION

A5U091866600W01

1. Disconnect the negative battery cable.
2. Remove the lower panel.
3. Remove in the order indicated in the table.

1	Panel light control switch (See 09-18-19 Panel Light Control Switch Removal Note)
2	Connector

4. Install in the reverse order of removal.



Y5U918WAE

Panel Light Control Switch Removal Note

1. Insert your hand inside the dashboard.
2. Press the tabs of the panel light control switch.
3. Pull the panel light control switch out from the dashboard.

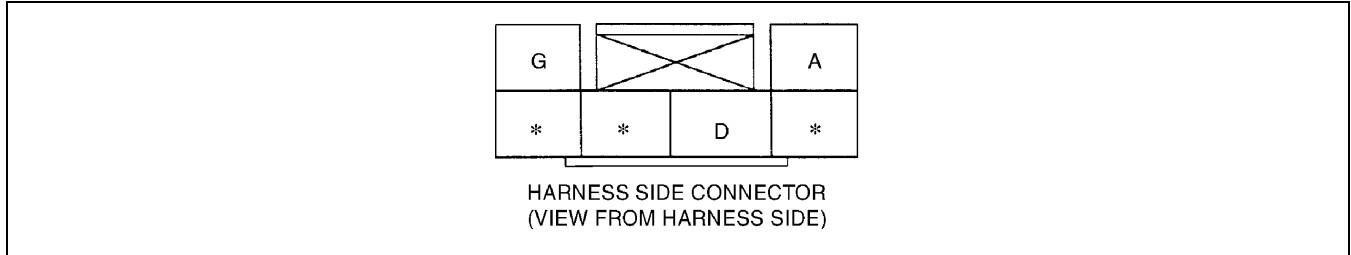
LIGHTING SYSTEMS

PANEL LIGHT CONTROL SWITCH INSPECTION

A5U091866600W02

1. Remove the panel light control switch without disconnecting the connector. (See 09–18–19 PANEL LIGHT CONTROL SWITCH REMOVAL/INSTALLATION.)
2. Measure the voltage at the panel light control switch terminals as indicated below.
3. Disconnect the panel light control switch connector and inspect for continuity at terminal G.
 - If not as specified, inspect the parts listed under “Action.”
 - If the parts and wiring harnesses are okay but the system still does not work properly, replace the panel light control switch.

Terminal Voltage List (Reference)

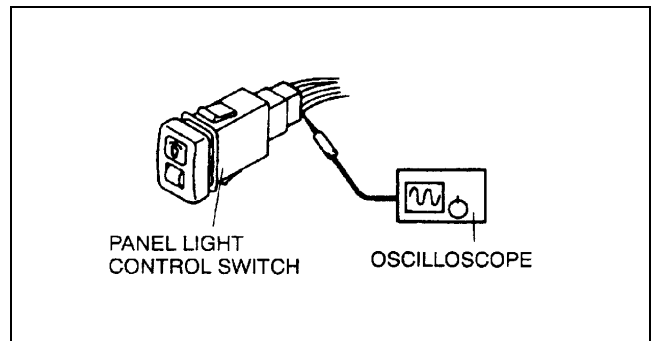


Y5U918WAA

Terminal	Signal	Connection	Test condition	Voltage (V)/Continuity	Action
A	Panel light control output	Each illumination	Inspect using an oscilloscope (See 09–18–20 A terminal inspection)	—	<ul style="list-style-type: none"> • Inspect each illumination • Inspect related harness
B	—	—	—	—	—
D	Power supply	TNS relay	Headlight switch at 1st or 2nd position Headlight switch at OFF	B+ 0	<ul style="list-style-type: none"> • Inspect combination switch (See 09–18–8 COMBINATION SWITCH INSPECTION) • Inspect TAIL 15 A fuse • Inspect related harness
F	—	—	—	—	—
G	Panel light control switch ground	GND	Under any condition: inspect for continuity to ground	Yes	<ul style="list-style-type: none"> • Inspect GND
H	—	—	—	—	—

A terminal inspection

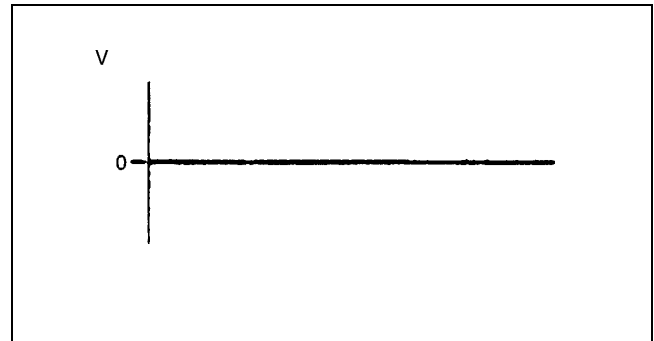
1. Measure the wave pattern of the A terminal on the panel light control switch using an oscilloscope.
2. Set the headlight switch to either the first or second position.
3. Set the panel light control switch to the brightest position.



X5U918WB8

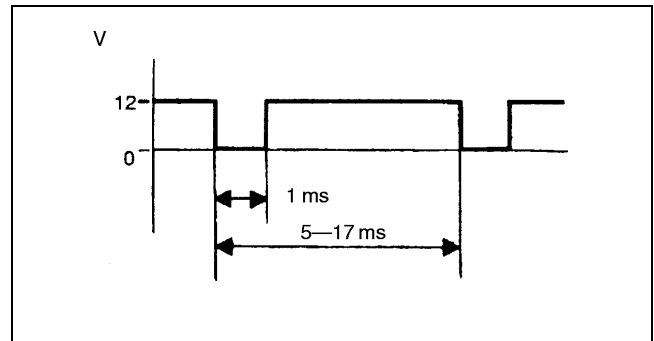
LIGHTING SYSTEMS

4. Verify that the pattern on the screen is as shown in the figure.



X5U918WB9

5. Verify that the pattern on the screen matches the pattern shown in the figure as the panel light control switch is gradually turned to the darkest position.



X5U918WBA