

DAIHATSU

HIJET

MULTI-PURPOSE
UTILITY VEHICLE

BODY ELECTRICAL SYSTEM

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WSU91-BE001

BE

1. INTRODUCTION

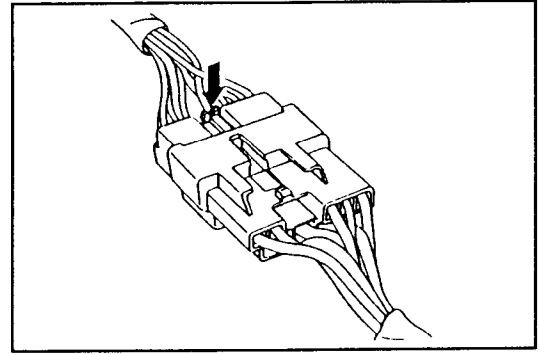
1. Handling of Connectors with Lock

(1) Disconnection

While pushing the lock lever as shown in the right figure, disconnect the connector. Do not pull the harness during this operation.

(2) Connection

Connect the male connector to the female connector. Ensure that the lock is engaged completely.



WSU91-BE002

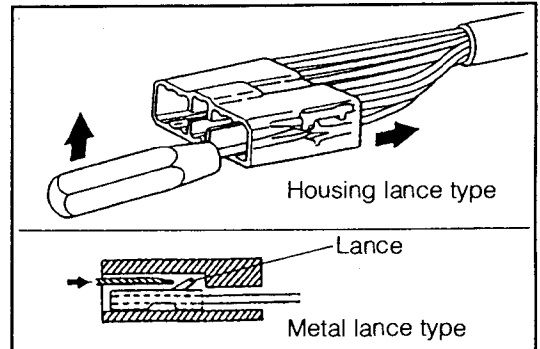
(3) Removal of terminal

Housing lance type

Insert a miniature screwdriver through the opening section of the connector into between the locking lug and the terminal. While prying up the locking lug with the screwdriver, pull the terminal backward.

Metal lance type

While pushing the lance with the screwdriver, pull the terminal backward.



WSU91-BE003

(4) Installation of terminal

Housing lance type

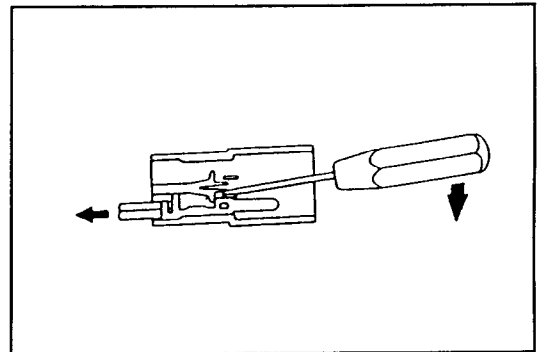
Push the terminal into the protruding section of the connector, until the lock is engaged completely.

Lightly pull the harness to assure that the locking has been made completely.

Metal lance type

Insert the terminal into the connector, until lance is locked completely.

Lightly pull the harness to assure that the locking has been made completely.



WSU91-BE004

CAUTION:

• HANDLING INSTRUCTIONS ON LOCK TYPE CONNECTOR

Do not disconnect or connect the lock type connector, unless such operation is absolutely necessary. If the connector should be disconnected or connected, be sure to follow the procedure given below.

WSU91-BE005

2. Disconnection

The lock type of the connector comes in a push release type, a pull release type, a spring lock type, an one-way lock type and so on.

After confirming the shape of the lock, unlock the lock. Disconnect the connector while holding the connector by hand.

NOTE:

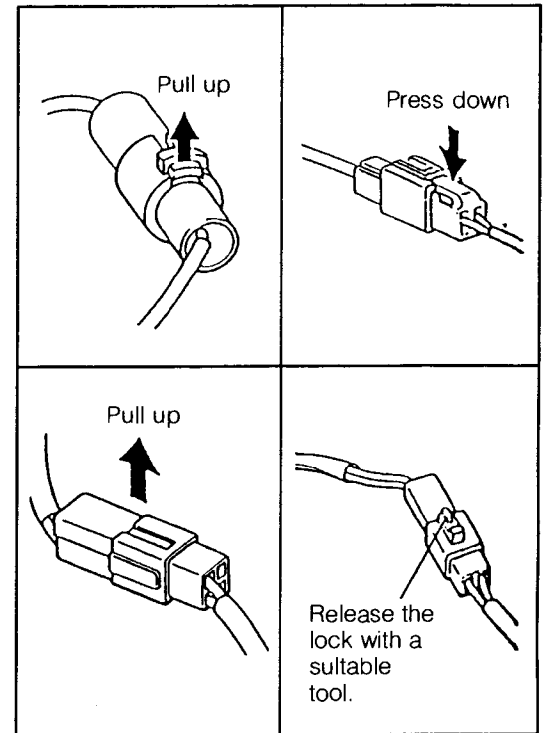
- Never pull the harness during the disconnection.
- Be sure to pull out the connector straight so as not to damage the terminal.

3. Connection

Perform the connection, until the lock is completely engaged.

NOTE:

- To confirm whether the connector has been locked or not, lightly pull the connector. Make sure that the connector will not be disconnected. Be sure to press the connector again before finishing the confirmation.



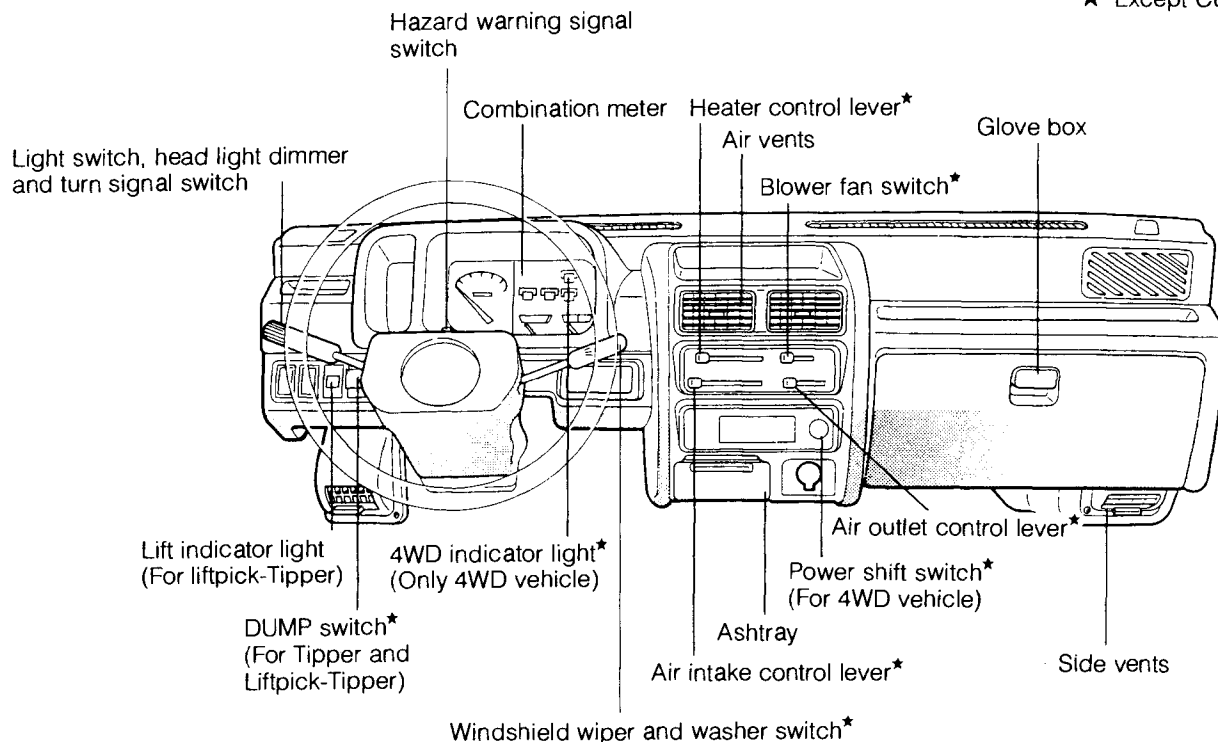
WSU91-BE006

2. LOCATION OF THE PARTS

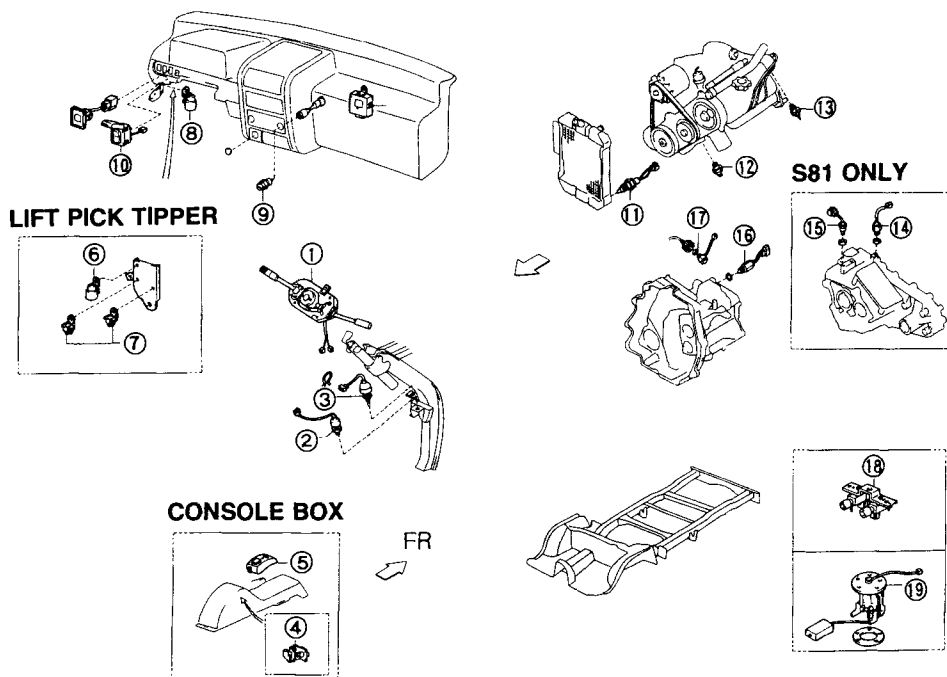
ARRANGEMENT DIAGRAM OF SWITCHES AND RELAY

Instrument panel-related parts

★ Except Cut-A-Way.



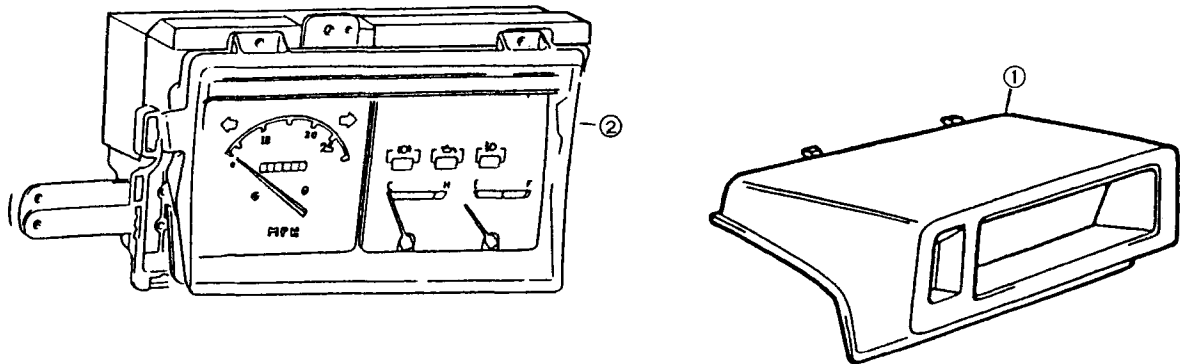
WSU91-BE007



- ① Turn signal switch
- ② Stop lamp switch
- ③ Clutch switch
- ④ Brake warning test switch
- ⑤ Pattern select switch
- ⑥ Starter relay
- ⑦ Starter relay No. 2
- ⑧ Speed control computer
- ⑨ Pattern select SW No. 1
- ⑩ Pump control SW No. 1
- ⑪ Radiator temp. SW
- ⑫ Oil pressure SW
- ⑬ Water temp. sender gauge
- ⑭ T/M position SW
- ⑮ T/M position SW No. 2
- ⑯ Back lamp SW
- ⑰ Speed sensor
- ⑱ Vacuum switching valve
- ⑲ Fuel sender gauge

WSU91-BE008

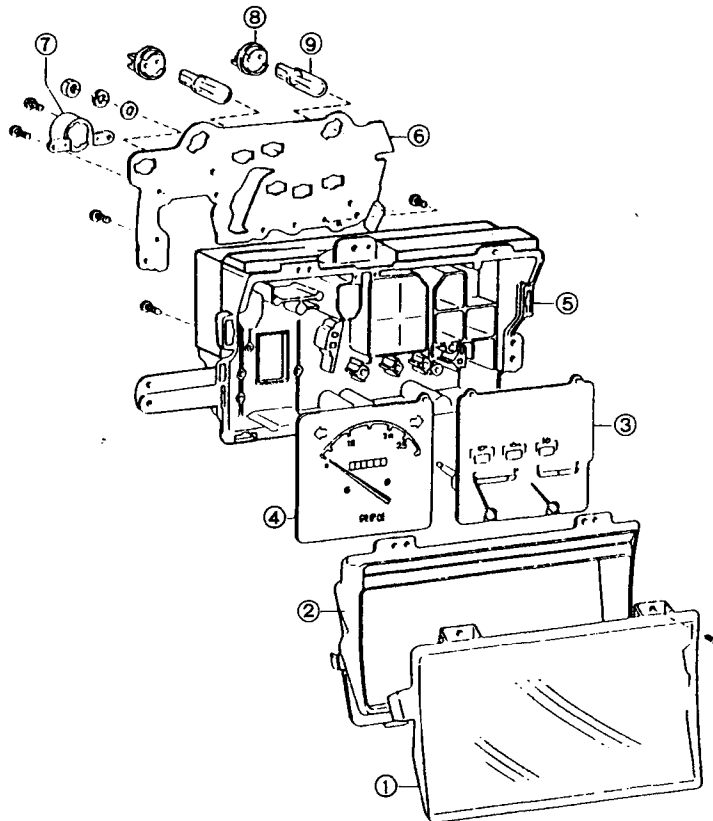
3. COMBINATION METER



- ① Instrument cluster finish panel S/A
- ② Combination meter Ay

WSU91-BE009

COMPONENTS



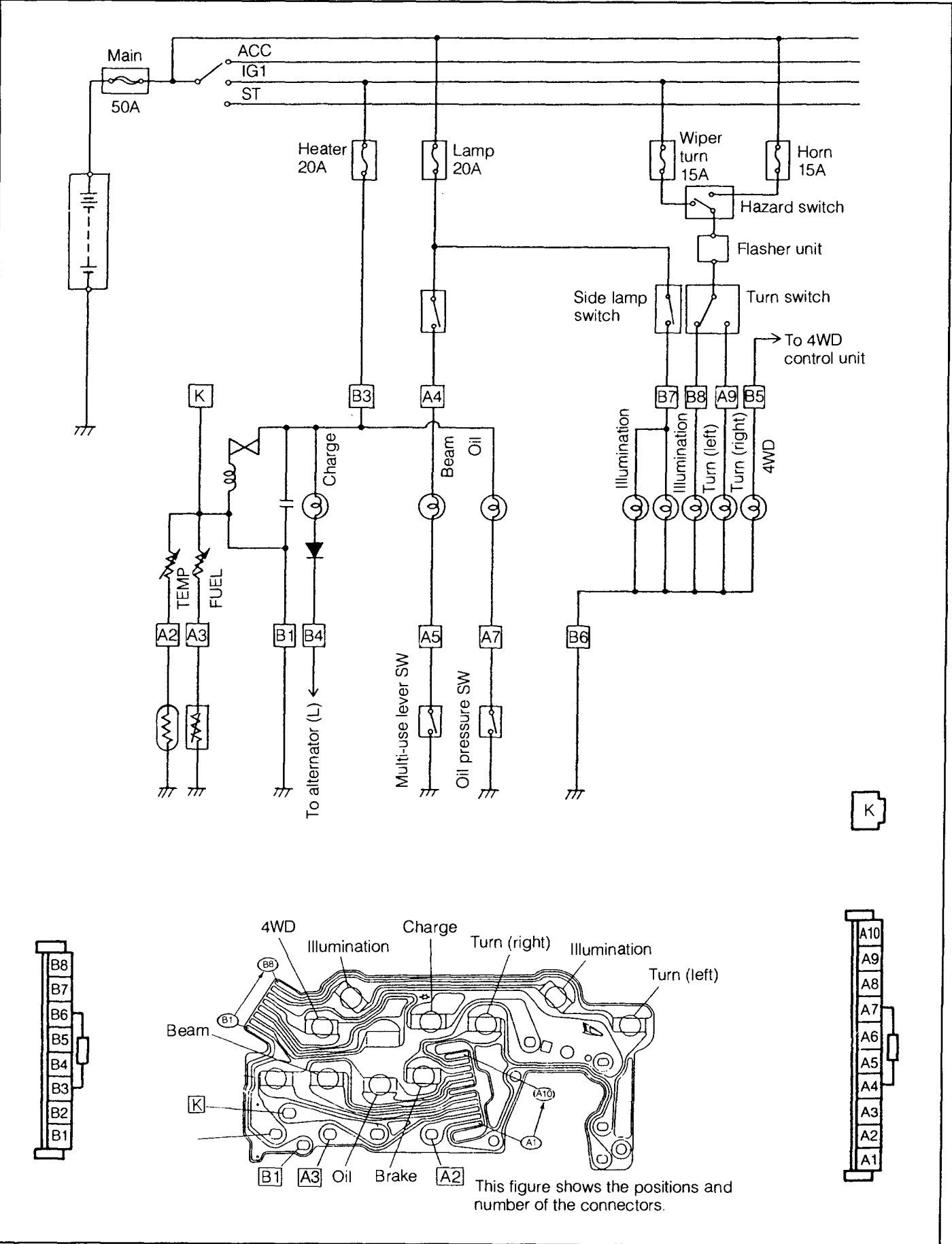
- ① Front glass
- ② Window plate
- ③ Gauge Ay
- ④ Speedometer Ay
- ⑤ Case
- ⑥ Meter circuit plate
- ⑦ Buzzer Ay
- ⑧ Socket
- ⑨ Bulb

WSU91-BE010

WSU91-BE010

BODY ELECTRICAL SYSTEM

3-1 WIRING DIAGRAM



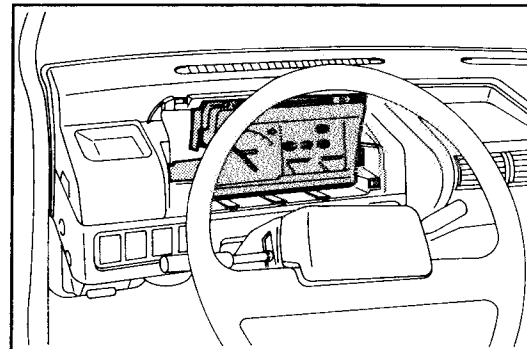
3-2 REMOVAL AND INSTALLATION

REMOVAL

1. Disconnect the battery cable from the negative (-) terminal.
2. Remove the instrument cluster finish panel sub-assy.

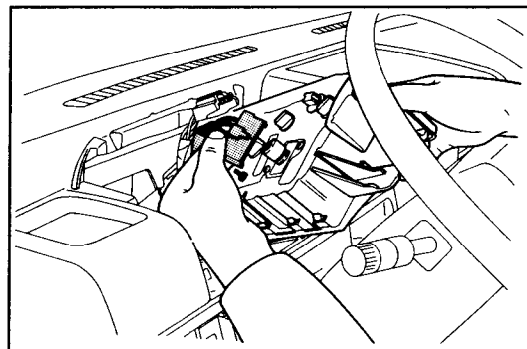
NOTE:

There are no screws for fixing.



WSU91-BE012

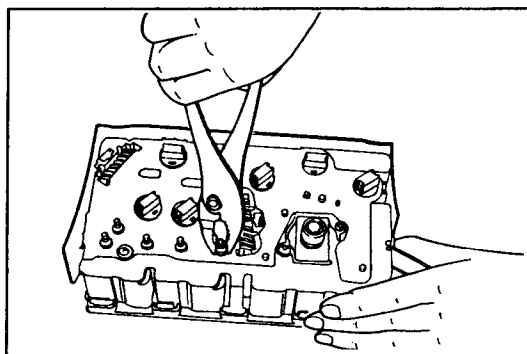
3. Remove the combination meter assembly.
 - (1) Remove the speedometer cable.
 - (2) Remove the coupler of the combination meter.



WSU91-BE013

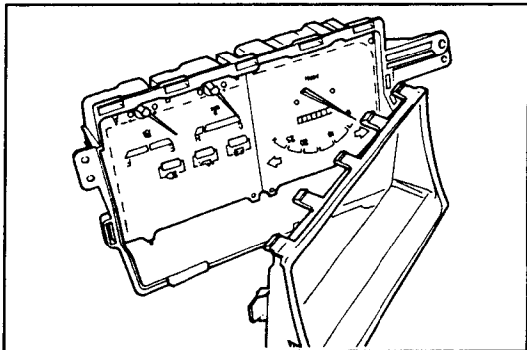
DISASSEMBLY

1. Remove the screws, nuts and washers.



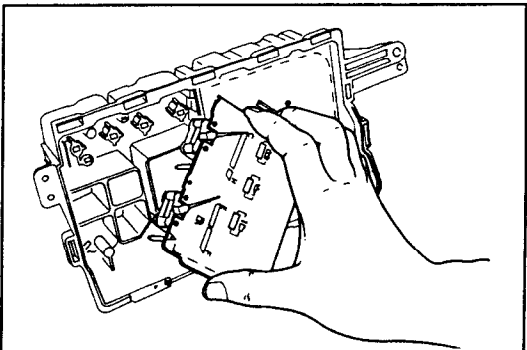
WSU91-BE014

2. Remove the combination meter cover with glass.



WSU91-BE015

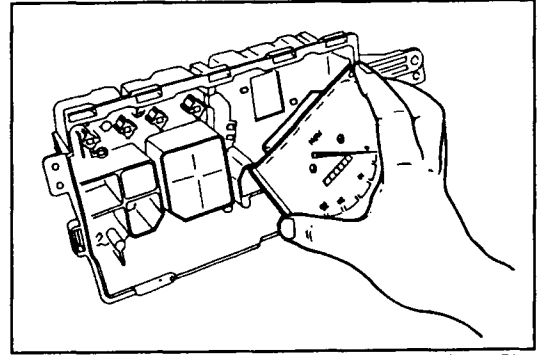
3. Remove the fuel/temp. gauge.



WSU91-BE016

BODY ELECTRICAL SYSTEM

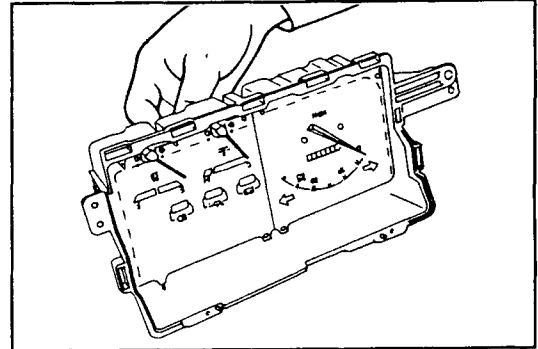
4. Remove the speedometer.



WSU91-BE017

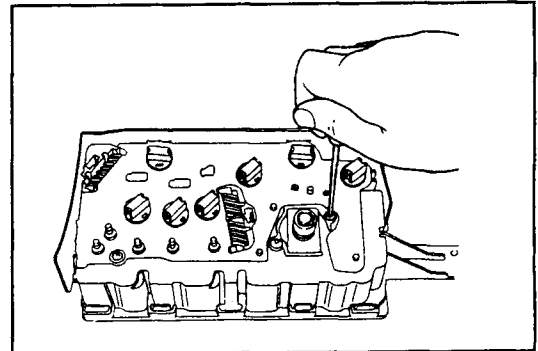
ASSEMBLY

1. Install the speedometer.
2. Install the fuel/temp. gauge.



WSU91-BE018

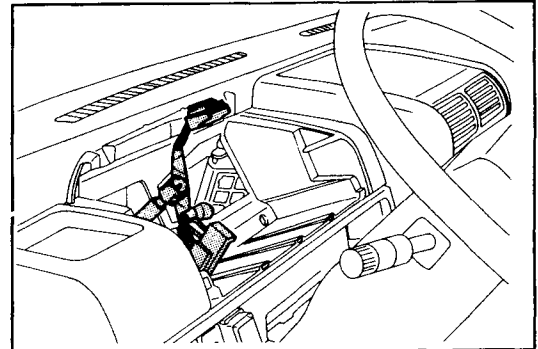
3. Attach the meter cover with glass to the combination cover.
Install it to the meter case.
4. Tighten the screws and nuts.



WSU91-BE019

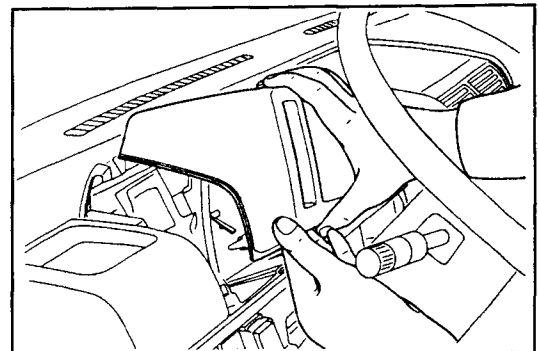
INSTALLATION

1. Installation of combination meter assembly
 - (1) Connect the two couplers of the wiring harness and speedometer cable to the combination meter assembly.
 - (2) Install the combination meter assembly with a screws.



WSU91-BE020

2. Install the instrument cluster finish panel sub-assy.
3. Install the negative terminal \ominus of the battery.



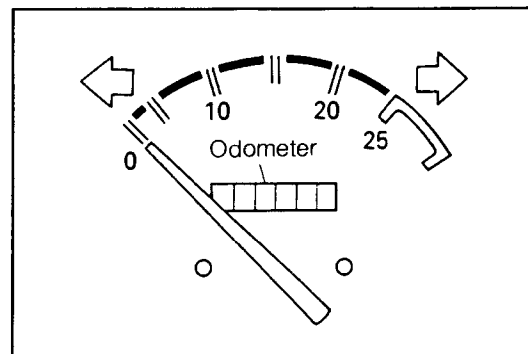
WSU91-BE021

3-3 SPEEDOMETER

IN-VEHICLE CHECK

Using a speedometer tester, check the speedometer for any indication error, pointer fluctuation and abnormal noise. Furthermore, check to see if the odometer is functioning properly. If the measurement results are within the tolerance given in the table below, it means that the speedometer is satisfactory.

Item	Meter indication	Remarks
Indication error	Within $\pm 15\%$ $\pm 10\%$	At an actual vehicle speed in excess of 35 km/h (22 mph) (tester indication)
Pointer fluctuation	Within ± 3.5 km/h (2.2 mph)	



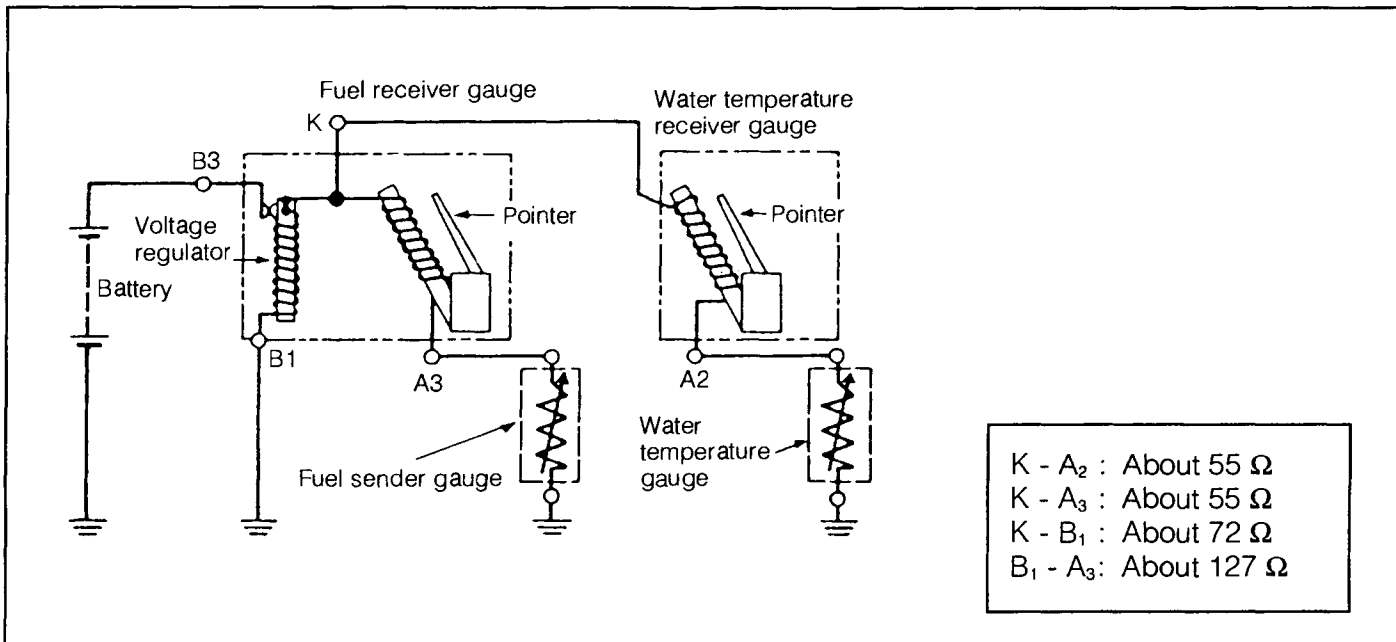
NOTE:

1. Make sure that the tires are inflated to the specified air pressure. Excessive tire wear, over-inflation or under-inflation will cause indication errors of the speedometer.
2. Pointer fluctuations of the meter are often attributable to a defective meter cable.

WSU91-BE023

3-4 FUEL GAUGE & WATER TEMPERATURE GAUGE

Circuit diagram

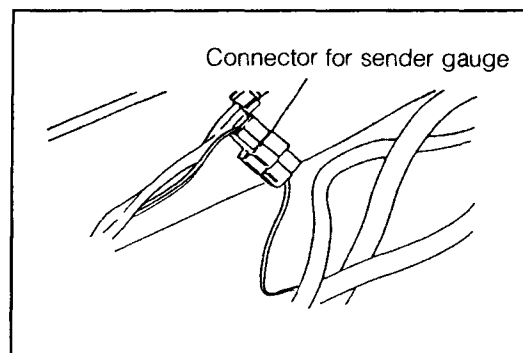


WSU91-BE024

Fuel receiver gauge

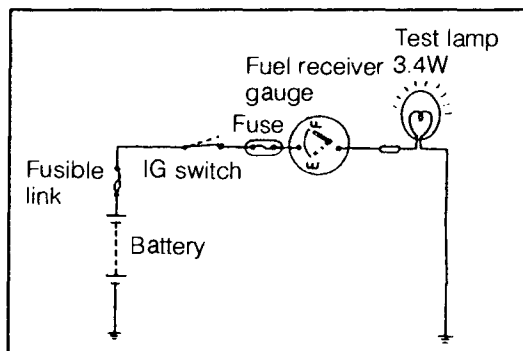
(1) In-vehicle check

Disconnect the connector located at the upper part of the fuel tank. Carry out the following checks at the terminal of the receiver side.



WSU91-BE025

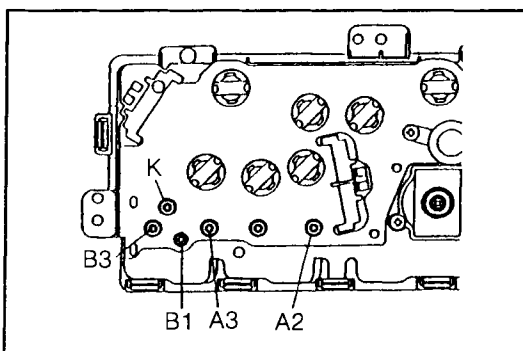
- ① Disconnect the connector from the harness of the fuel sender gauge. Earth the gauge through a test lamp.
- ② Turn ON the key switch.
- ③ The test lamp goes on. After several seconds, the lamp should start flashing.
- ④ The pointer of the receiver gauge should start to rise gradually.



WSU91-BE026

(2) Unit inspection

- ① Remove the combination meter.
- ② Measure the value of resistance between the terminal (K) and the (A3).
- ③ Connect the multi-pole connector to the combination meter.
- ④ Turn ON the key switch.
- ⑤ Ensure that the battery voltage is applied between the terminal B3 and the body earth.
- ⑥ Ensure that a voltage varying from about 2 to 7 V is applied between the terminal (K) and the body earth.



WSU91-BE027

Fuel sender gauge

Remove the fuel tank. Then, remove the fuel sender gauge. For the operation procedure, refer to Body section.

Inspection

Measure the value of resistance between the terminal and the body at the following positions given below.

Float position		Point F	Point 1/2	Point E
Resistance (Ω)		1 - 5	29 - 37	103 - 117
Reference dimension (mm)		84.5	157	229

Water temperature receiver gauge

- (1) Disconnect the connector from the harness of the water temperature sender gauge. Earth the gauge through a test lamp.

Reference: approx. 55 ohms

- (2) Turn ON the key switch.
- (3) The test lamp goes on. After several seconds, the lamp should start flashing.
- (4) The pointer of the receiver gauge should start to rise gradually.

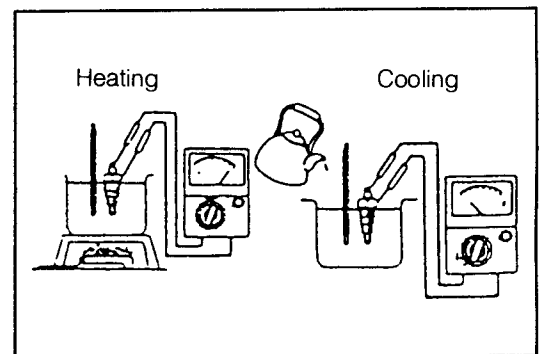
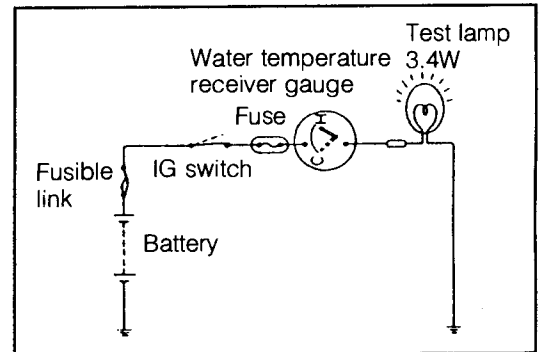
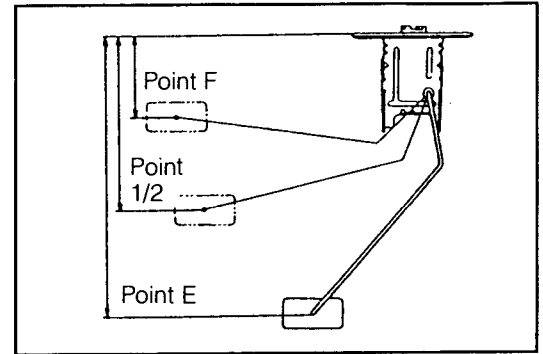
Water temperature receiver gauge

Inspection

- (1) Remove the sender gauge from the cylinder head.
- (2) Measure the value of resistance between the terminal and the earth at the following temperatures specified in the table below.

Specifications

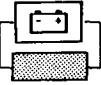

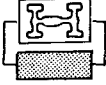


Temperature ($^{\circ}\text{C}$)	Resistance value (Ω)
50	226
115	26.4



4. WARNING & INDICATOR

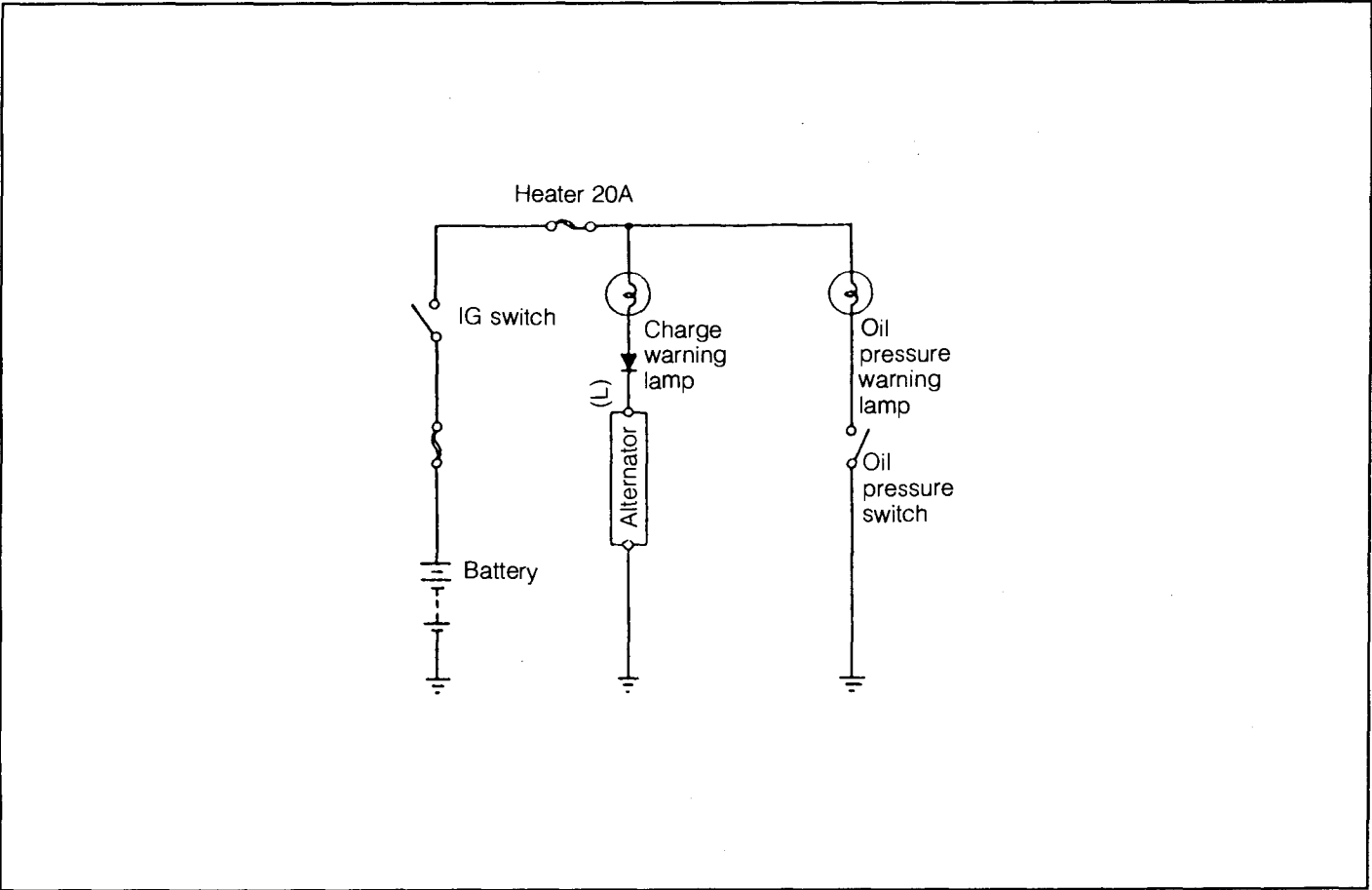
CHECK WARNING LAMPS

- 1. Set the ignition switch to the ON position. Ensure that the warning lamps given below are illuminated.
- 2. Set the ignition switch to the START position. Start the engine. Ensure that the warning lamps given below are extinguished. (With the parking lever not applied)

Kind		Indication	Function
Warning lamp	Charge warning		Glow when engine charging system is encountered with abnormality while engine is running. Indicating color: Red
	Oil pressure warning		Glow when engine oil pressure system is encountered with abnormality while engine is running. Indicating color: Red
Indicator lamp	4WD indicator		Glow when the transfer shift lever is moved to the 4H or 4L position with the engine switch turned ON. Indicating color: Green
	High beam indicator		Glow when upper beams of headlamps are turned ON. Indicating color: Blue
	Turn signal indicator		Flashes when turn signal switch or hazard warning switch is turned ON. Indicating color: Green

WSU91-BE031

4-1 WIRING DIAGRAM

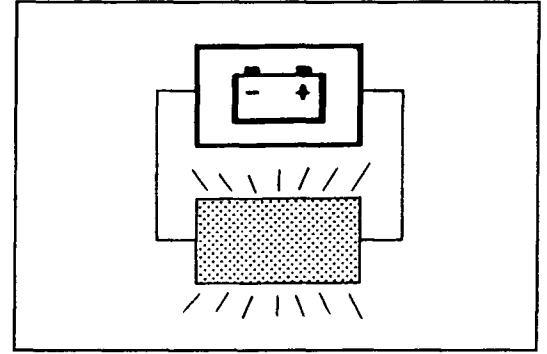


WSU91-BE032

4-2 CHARGE WARNING

INSPECTION

1. Start the engine.
2. Ensure that the charge warning lamp should go out.
3. Glow when engine is stopped.
4. Apply circuit tester (+) probe to the alternator (L) terminal and (-) probe to earth (Body).
5. Start the engine.
6. Ensure that the voltage exists between the probe.
Specified Value: about 7 V (min.)/800 rpm.



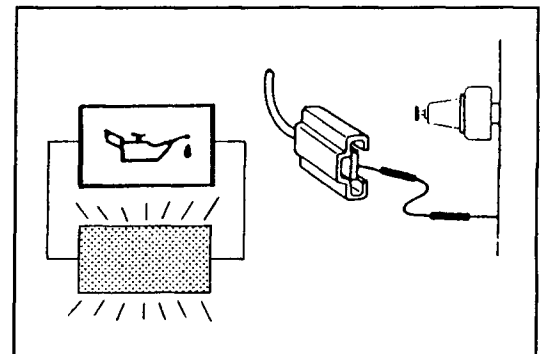
WSU91-BE037

WSU91-BE038

4-3 OIL PRESSURE WARNING

INSPECTION

1. pull out the connector, located at the left-upper part of the cylinder block.
2. Earth the connector at the harness side.
3. Turn ON the IG switch.
4. Ensure that the oil warning lamp should go on.

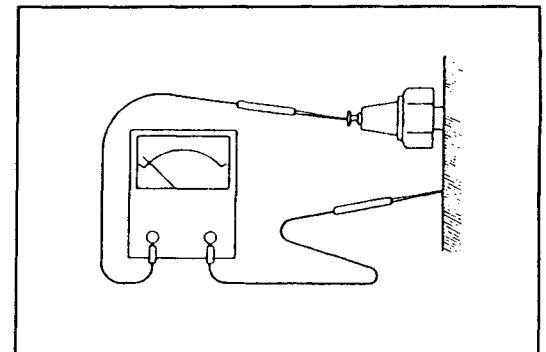


WSU91-BE039

5. Ensure that continuity exists between the oil pressure switch terminal and the earth.

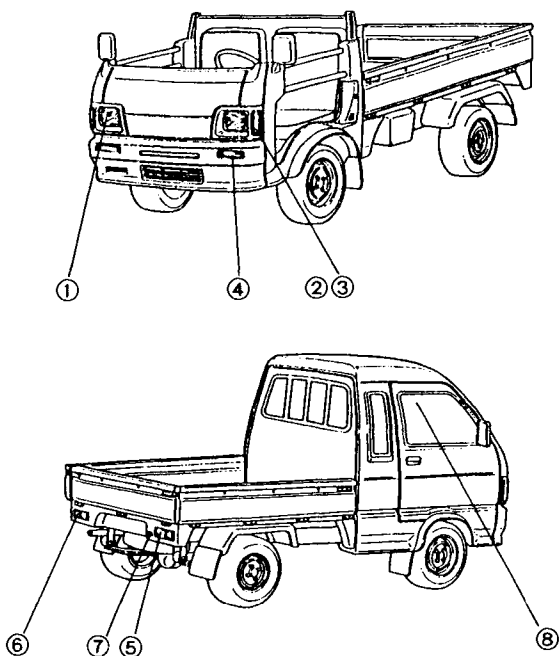
NOTE:

- It should be noted that no continuity exists while the engine is running.



WSU91-BE040

5. LIGHTING



No.	Light bulbs	Wattage
①	Headlights	65/55
②	Clearance lights (**)	5
③	Side turn signal lights	5
④	Front turn signal lights/ hazard lights	21
⑤	Tail lights/stop lights	5/21
⑥	Rear turn signal lights/hazard lights	21
⑦	Back-up lights	21
⑧	Room light (*Except Cut-A-Way)	10

WSU91-BE045

5-1 TROUBLE SHOOTING

Problem	Possible cause	Remedies
One headlamp will not glow.	<ul style="list-style-type: none"> • Burnt bulb • Faulty socket 	<ul style="list-style-type: none"> • Replace bulb. • Repair, as repaired.
Headlamps will not glow.	<ul style="list-style-type: none"> • Fusible link and/or fuse blown out • Faulty lighting switch • Faulty wiring or earth 	<ul style="list-style-type: none"> • Replace fusible link and/or fuse. • Check switch. • Repair, as required.
High beam or low beam will not glow.	<ul style="list-style-type: none"> • Faulty lighting switch or dimmer switch • Faulty wiring 	<ul style="list-style-type: none"> • Check switch. • Repair, as required.
Clearance lamp, tail lamp or license lamp will not glow.	<ul style="list-style-type: none"> • "Tail" fuse blown out • Fusible link blown out • Faulty side lamp switch • Faulty wiring or earth 	<ul style="list-style-type: none"> • Check for short. Replace fuse. • Replace fusible link. • Check switch. • Repair, as required.
Turn signal lamps at one side will not glow.	<ul style="list-style-type: none"> • Faulty turn signal lamp switch • Faulty wiring or earth 	<ul style="list-style-type: none"> • Check switch. • Repair, as required.
Turn signal lamps at both side will not glow.	<ul style="list-style-type: none"> • "Turn" fuse blown out • Faulty turn signal/hazard switch • Faulty turn signal flasher relay • Faulty wiring or earth 	<ul style="list-style-type: none"> • Check for short. Replace fuse. • Check switch. • Check flasher relay • Repair, as required.
Stop lamp will not glow.	<ul style="list-style-type: none"> • "Stop" fuse blown out • Faulty stop lamp switch • Faulty wiring or earth 	<ul style="list-style-type: none"> • Check for short. Replace fuse. • Check switch. • Repair, as required.
Stop lamp remains in glow state.	<ul style="list-style-type: none"> • Faulty stop lamp switch. 	<ul style="list-style-type: none"> • Adjust or replace switch.
Hazard warning lamp will not glow.	<ul style="list-style-type: none"> • "Horn" fuse blown out • Faulty flasher relay • Faulty hazard switch • Faulty wiring or earth 	<ul style="list-style-type: none"> • Check for short. Replace fuse. • Check flasher. • Check switch. • Repair, as required.

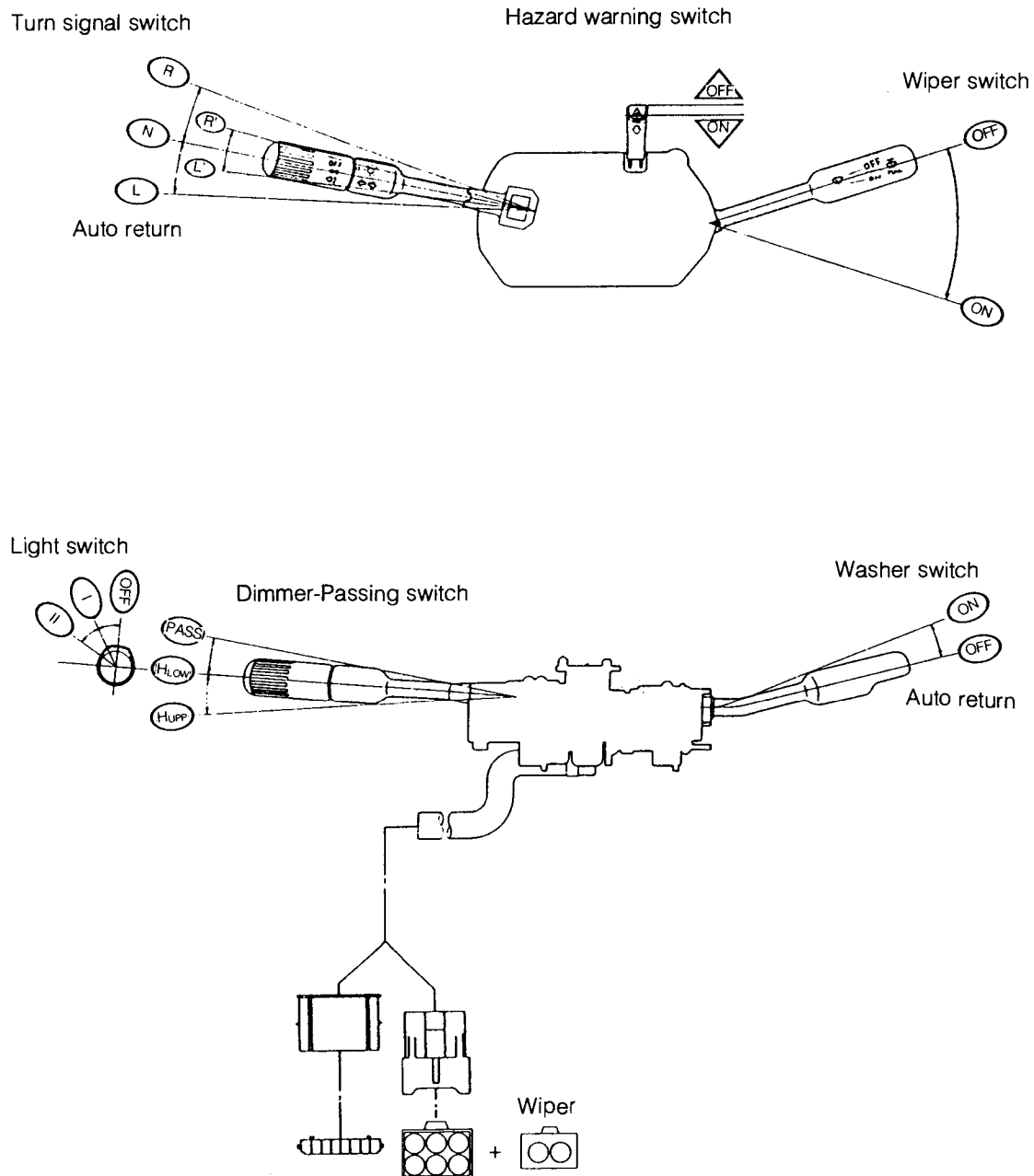
WSU91-BE046

WSU91-BE046

5-2 MULTI-USE LEVER SWITCH

In this multi-use lever switch, all switches to be used most frequently during the drivings have been arranged compactly.

Full cab & window van

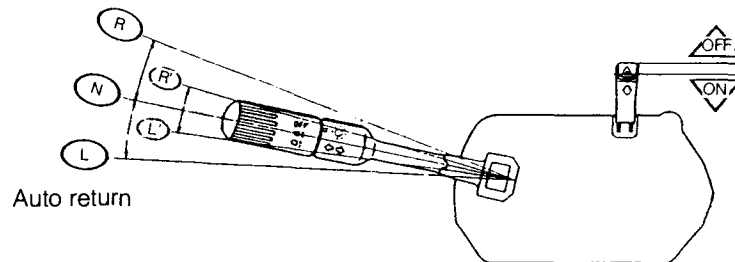


BODY ELECTRICAL SYSTEM

Cut-a-way

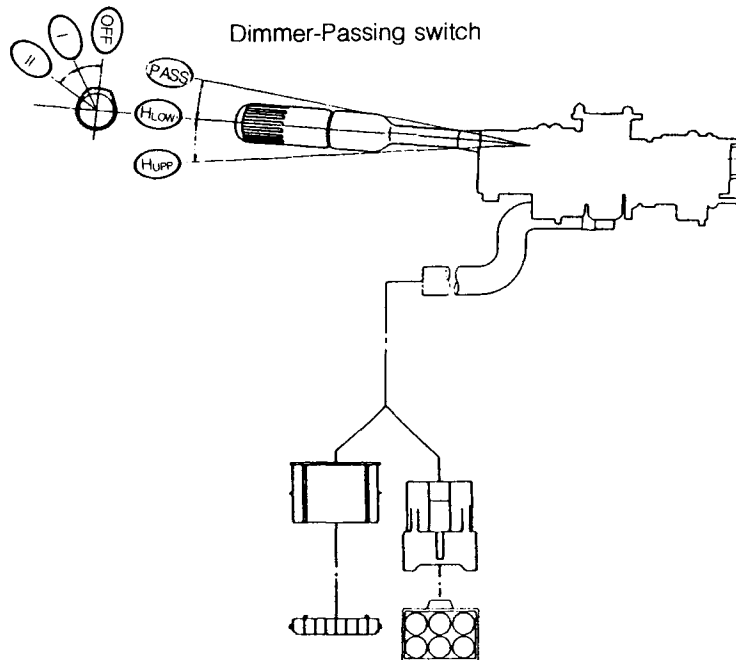
Turn signal switch

Hazard warning switch

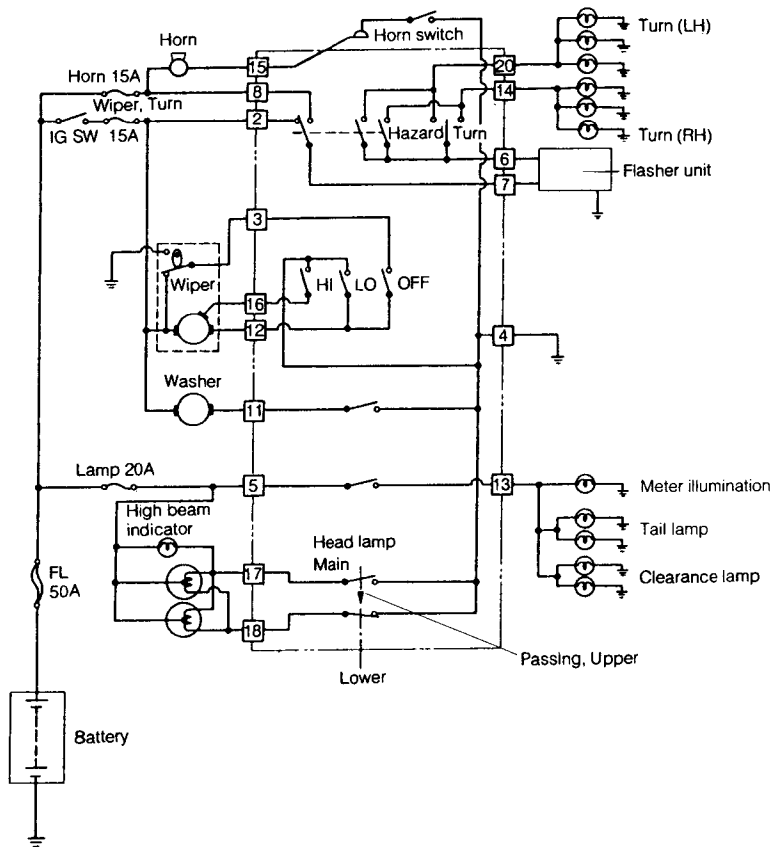


Light switch

Dimmer-Passing switch



WIRING DIAGRAM



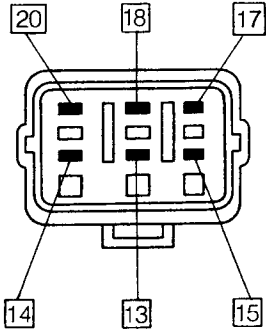
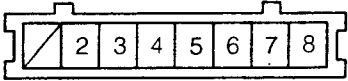
1	
2	B1
3	S
4	E
5	BL
6	F
7	BF
8	B2

11	WA
12	+1

13	T
14	R
15	HO
16	+2
17	HU
18	HL
19	
20	L

Light & Dimmer Passing Switch

		5	13	4	18	17
OFF	HF					
	HL					
	HU					
I	HF	○	○	○	○	○
	HL	○	○			
	HU	○	○			
II	HF	○	○	○	○	○
	HL	○	○	○	○	○
	HU	○	○	○	○	○



Turn & Hazard

		14	6	20	7	2	8	15
OFF	R	○	○		○	○		
	N				○	○		
	L		○	○	○	○		
ON	RNL	○	○	○	○	○		

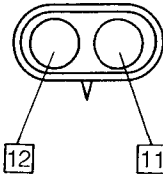
Wiper switch

		4	12	16	3
OFF			○	○	
LO		○	○		
HI		○	○		

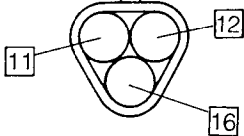
Washer switch

		4	11
OFF			
ON		○	○

Single speed wiper



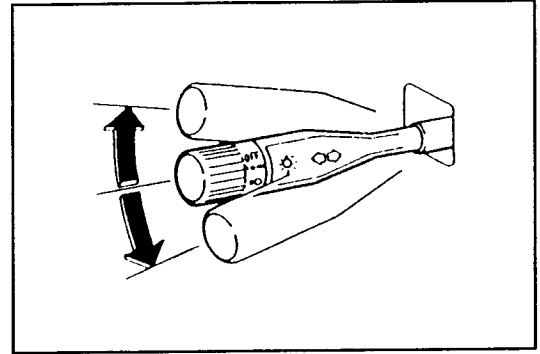
Two speed wiper



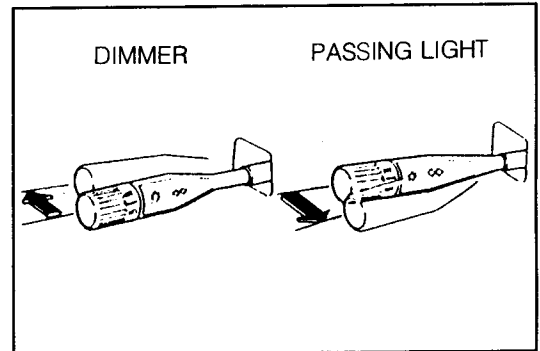
BODY ELECTRICAL SYSTEM

INVEHICLE INSPECTION

1. Ensure that each of the turn signal, dimmer, lighting, hazard warning and front wiper switches is functioning smoothly with a positive detent feeling.
2. With the ignition switch turned ON, move the turn signal switch to the right or left. Ensure that the turn signal indicator lamp flashes.
3. Ensure that the upper beam indicator lamp glows regardless of the ignition switch position when the dimmer switch and passing light switch are operated.



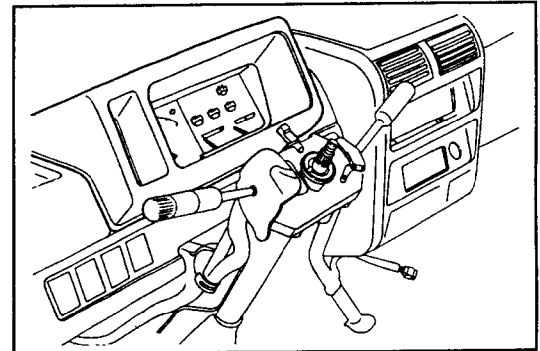
WSU91-BE050



WSU91-BE051

REMOVAL

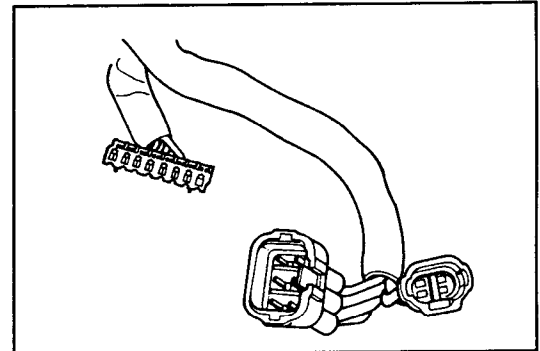
1. Disconnect the battery cable from the \ominus terminal.
2. Remove the steering wheel assy.
3. Remove the steering column cover.
4. Disconnect the coupler of the switch.
5. Remove the turn signal switch assy.



WSU91-BE052

UNIT INSPECTION

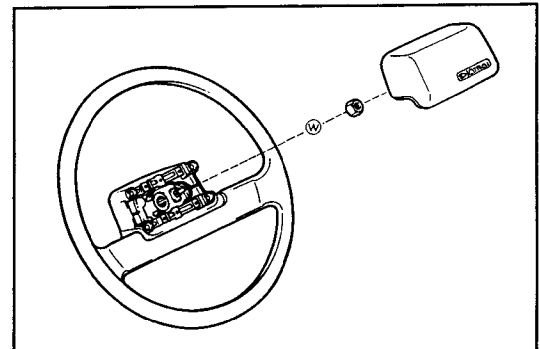
1. Ensure that continuity exists between the terminals of the connector, using a circuit tester. (see wiring diagram)
2. Operate the light switch, dimmer passing switch, turn switch and hazard switch.
Ensure that each switch can be operated without any binding and with a detect feeling.



WSU91-BE053

INSTALLATION

1. Install the turn signal switch assy to the steering column.
2. Connect the coupler.
3. Install the steering column cover.
4. Install the steering wheel assy.
Tightening Torque: 25 - 29 ft-lb.
5. Connect the battery cable to the negative \ominus terminal.



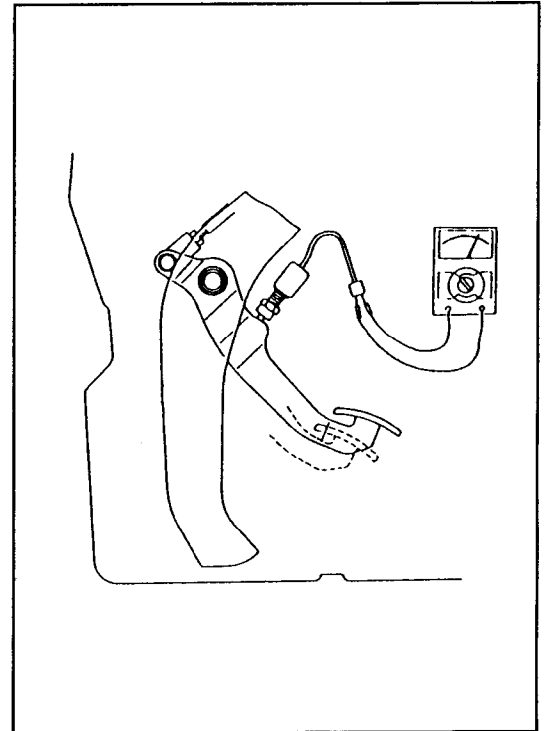
WSU91-BE054

5-3 STOP LAMP SWITCH

The stop lamp switch is located at the pedal bracket section.

INSPECTION

- (1) Disconnect the connector of the stop lamp switch.
- (2) Ensure that continuity exists between the terminals when the brake pedal is depressed.
- (3) Ensure that no continuity exists between the terminals when the brake pedal is not depressed.

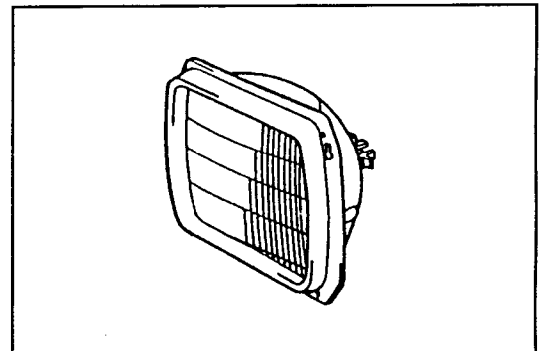


WSU91-BE055

5-4 HEADLAMP

NOTE:

- Since the headlamp lens is not a removal type, the bulb should be replaced from the rear section of the headlamp assembly.
- As for the shield beam type headlamp, it is impossible to replace the bulb (filament). The replacement of the headlamp should be performed as the headlamp assembly.



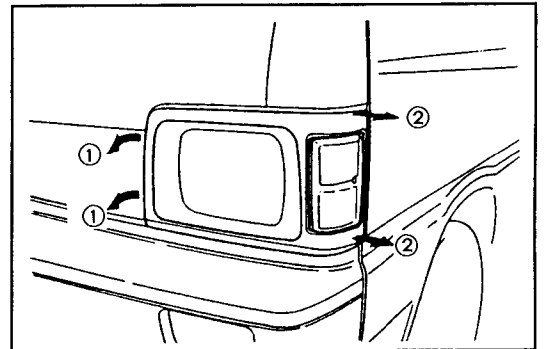
WSU91-BE056

Removal (Sealed beam type)

1. Remove the headlamp cover by inserting a screwdriver into the gap between the headlamp cover and the body.

CAUTION:

- Be sure to protect the body and/or painting coat, using a cloth or the like.

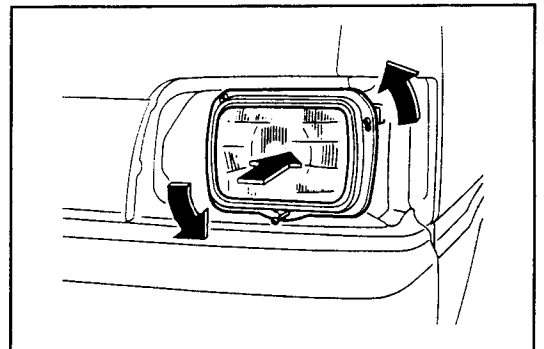


WSU91-BE057

2. Remove the headlight by turning it counterclockwise while pushing it.

CAUTION:

- Be sure not to touch the screws during the removal. Tampering the screws will disturb the lamp angle.



WSU91-BE058

BODY ELECTRICAL SYSTEM

3. Remove the screw to detach the light assembly.

HEADLAMP AIMING ADJUSTMENT (METHOD EMPLOYING SCREEN)

Candescence bulb headlamps

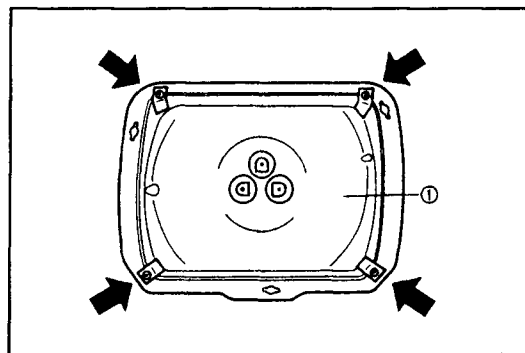
1. Perform the aiming adjustment with the tire air inflation pressure set to the specified value and with one person sitting at the driver's seat.
2. Position the vehicle on a level floor in front of the screen such that the headlamps of the vehicle come at a distance of three meters from the screen. Moreover, the vehicle must be positioned normal to the screen.
3. Set the reference points for the headlamp aiming adjustment on the screen as follows:
 - (1) Measure the center height "H" of the headlamp. Draw a line as the adjustment line on the screen at a height 23 mm (0.91 inch) below the center height "H".
 - (2) Draw a vertical straight line on the screen at each center of the headlamps on both right and left sides. Thus, determine each intersection point "F" made by the vertical center line and the adjustment line.
4. Turn ON the headlamps with the upper beams selected. Adjust the beams by means of the adjusting screws in such a way that they may aim at the respective intersection points "F" on the screen.
5. Upon completion of the headlamp aiming adjustment, switch the high beams to the low beams. Ensure that each low beam is now aiming in the diagonal-direction.

NOTE:

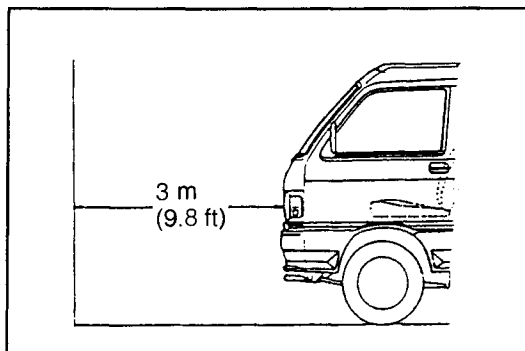
- Carry out the headlamp aiming adjustment while the engine is running at 1500 rpm or more.

5-5 FRONT TURN SIGNAL LAMPS

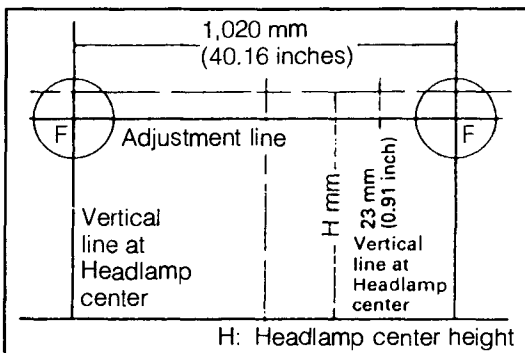
- (1) Remove the lens with a screwdriver.
- (2) Remove the bulb by turning it counterclockwise while pushing it.



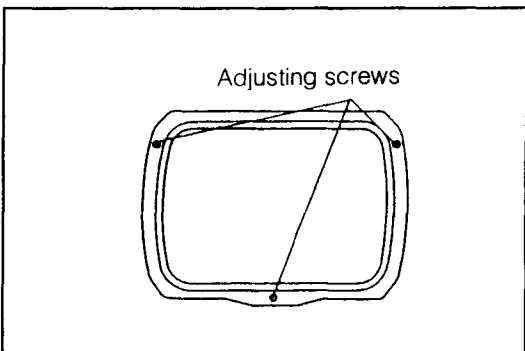
WSU91-BE059



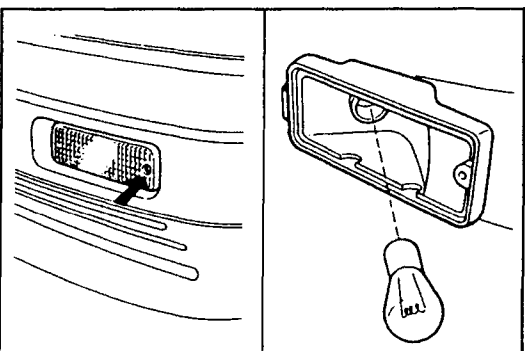
WSU91-BE060



WSU91-BE061



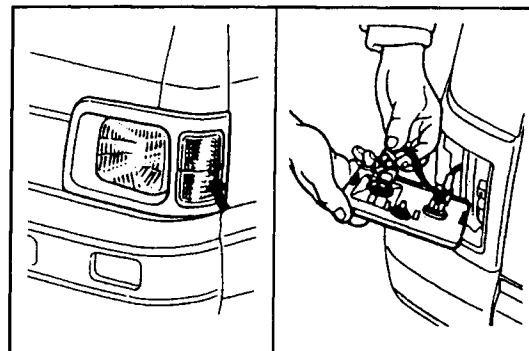
WSU91-BE062



WSU91-BE063

5-6 CLEARANCE AND SIDE TURN SIGNAL LAMPS

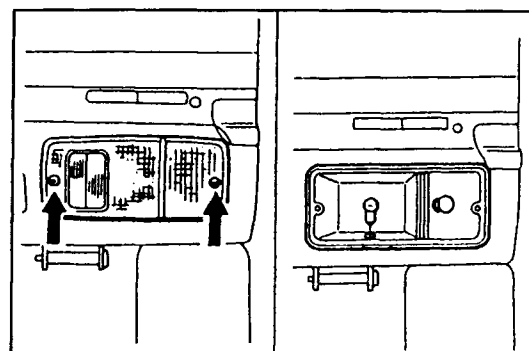
- (1) Remove the lens with a screwdriver.
- (2) Remove the lamp assembly from the body.
- (3) Disconnect the bulb socket from the lamp assembly.



WSU91-BE064

5-7 REAR COMBINATION LAMPS

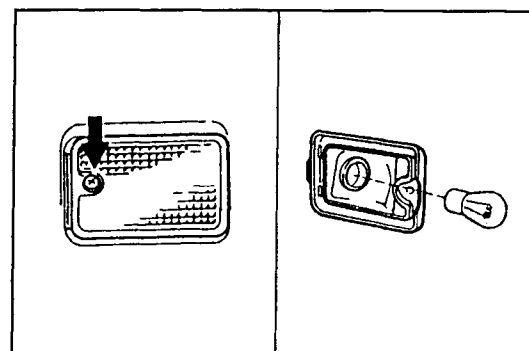
- (1) Remove the two screws.
- (2) Remove the bulb by turning it counterclockwise while pushing it.



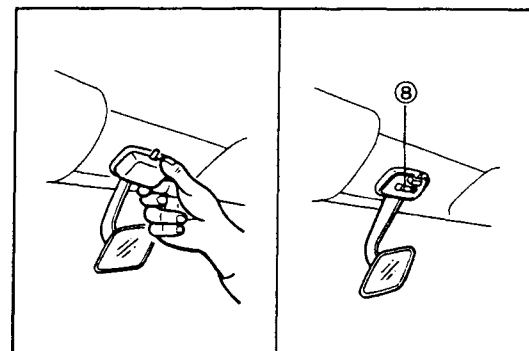
WSU91-BE065

5-8 BACKUP LAMP

- (1) Remove the screw.
- (2) Remove the bulb by turning it counterclockwise while pushing it.



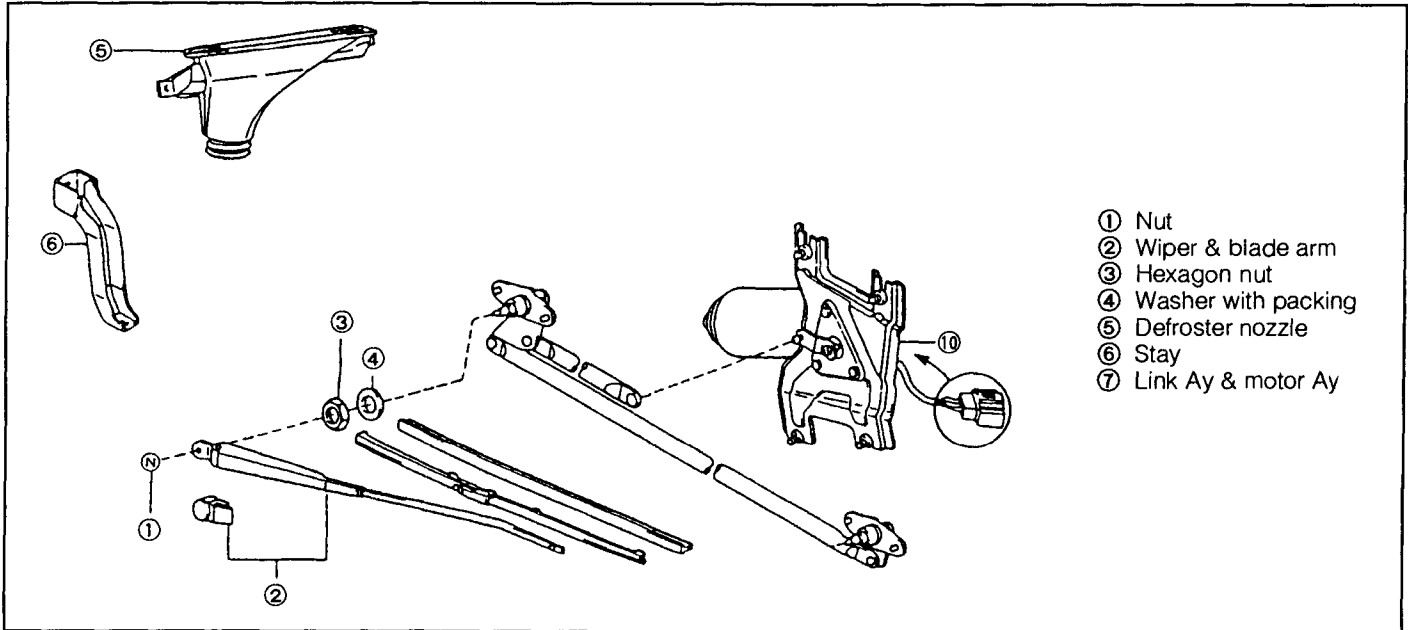
WSU91-BE066



WSU91-BE067

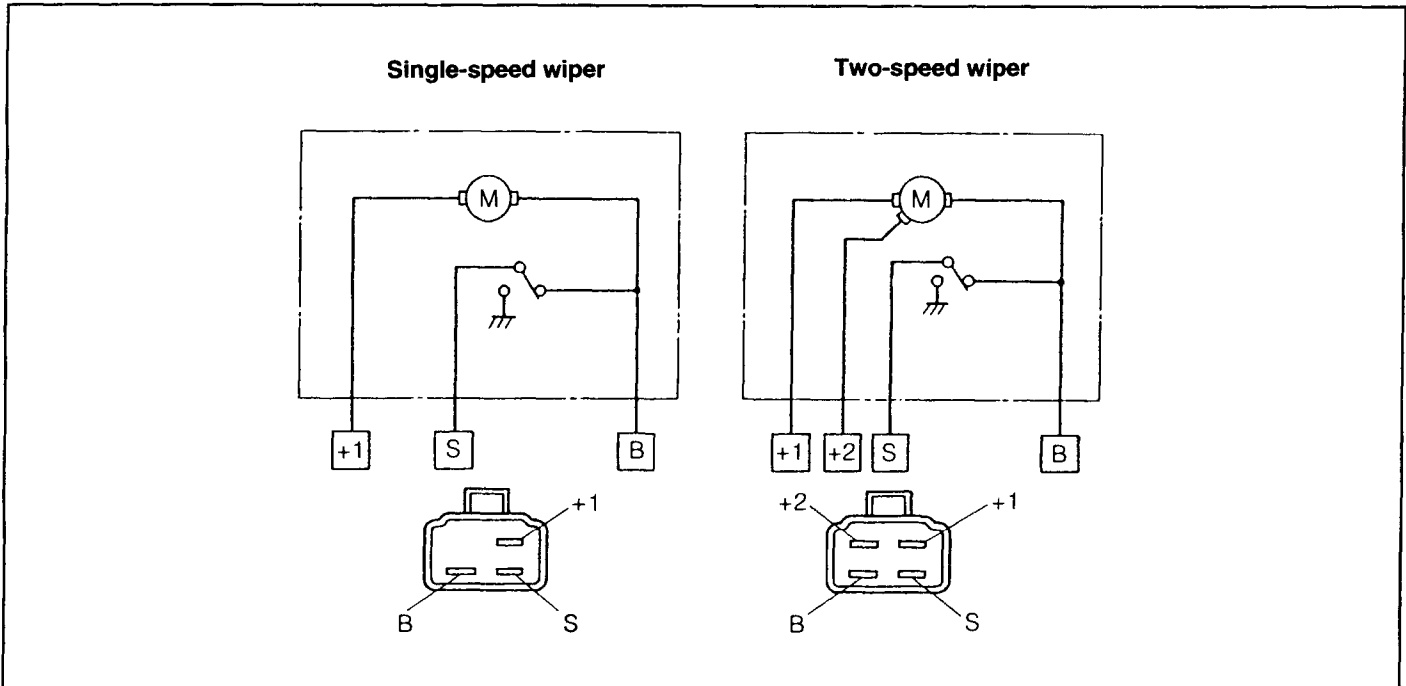
6. WIPER & WASHER

6-1 COMPONENTS



WSU91-BE068

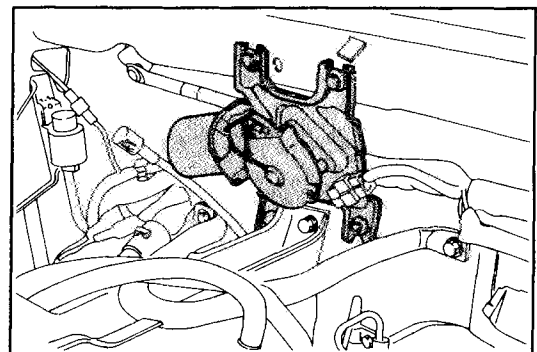
6-2 CIRCUIT DIAGRAM



WSU91-BE069

6-3 REMOVAL

- (1) Remove the wiper & blade arm.
- (2) Remove the instrument panel.
- (3) Remove the hexagon nut.
- (4) Remove the wiper motor with the link assembly.

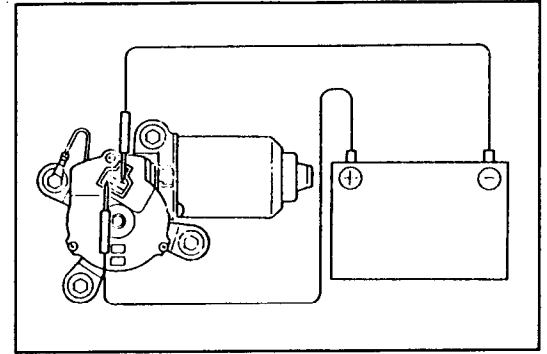


WSU91-BE070

6-4 INSPECTION (WIPER MOTOR)

(1) Low-Speed Operation Check

Connect the terminal (B) to the positive (+) terminal of the battery; the terminal (+1) to the negative (-) terminal of the battery. Ensure that the wiper operates at the low speed.



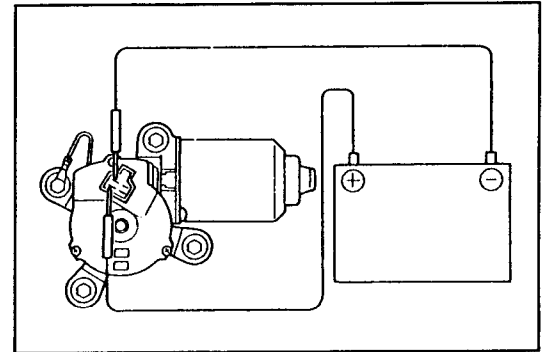
WSU91-BE071

(2) High-Speed Operation Check

Connect the terminal (B) to the positive (+) terminal of the battery; the terminal (+2) to the negative (-) terminal of the battery. Ensure that the wiper operates at the high speed.

NOTE:

- In the case of the single-speed wiper system, this check is not required.

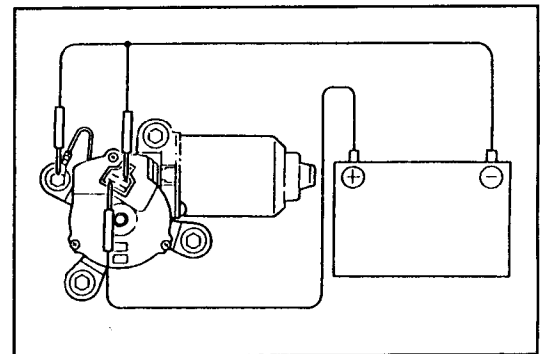


WSU91-BE072

(3) Off-Operation Check

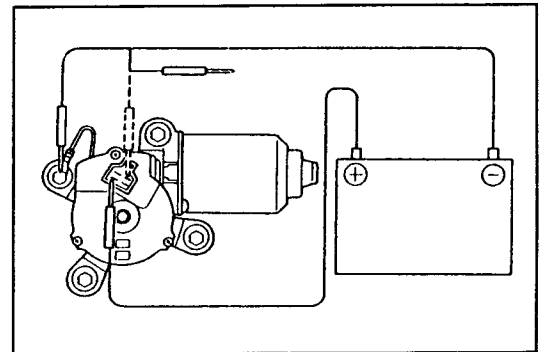
With the wiper motor body connected to the negative (-) terminal of the battery, perform the following checks.

- ① Connect the terminal B to the positive (+) terminal of the battery.
- ② Operate the wiper at the low speed by connecting the terminal (+1) to the negative (-) terminal of the battery.



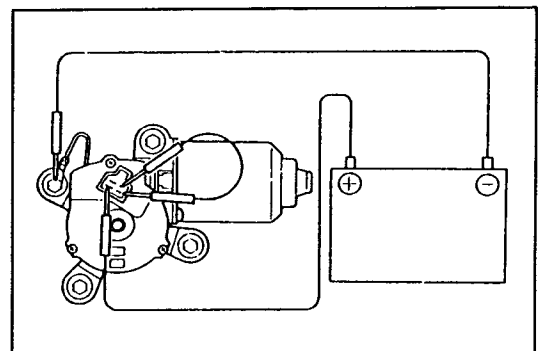
WSU91-BE073

- ③ Under the operating condition in the step (2), disconnect the terminal (+1) so as to interrupt the wiper motor operation.



WSU91-BE074

- (4) Connect the terminal (+1) to the terminal (S). Ensure that the wiper operates and stops at the automatic stopping position.



WSU91-BE075

INSPECTION (WIPER & WASHER SWITCH)

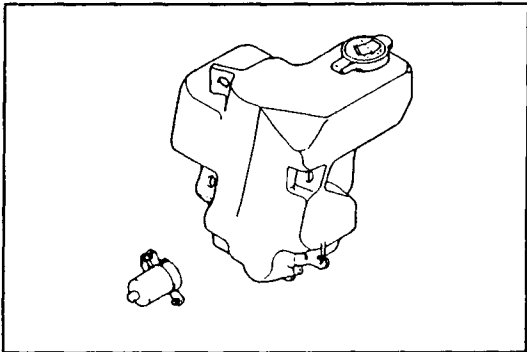
- 1. Ensure that continuity exist between the terminals of the connector, using a circuit tester.
(See multi-use lever switch circuit).
- 2. Operate the wiper & washer switch.
Ensure that each switch can be operated without any binding and with a detect feeling.

WSU91-BE076

INSPECTION (WASHER TANK)

Installation position

Front side in the engine compartment.
Ensure that if any leakage exist from the tank and piping.



WSU91-BE077

6-5 INSTALLATION

Main points of installation

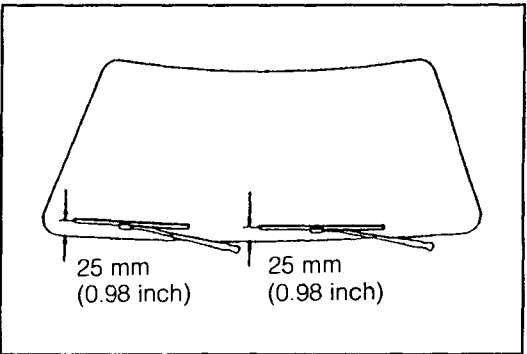
Wiper Arms & Blades

- (1) Operate the wiper motor and set it to the automatic stopping position.
- (2) Set the blades to the respective positions as indicated in the right illustration.

NOTE:

- The wiper arm should comply with the following identification given in the table below.

Item		Driver's seat side	Co-driver's seat side
Length mm (inch)	Arm	413 (16.4)	409 (16.2)
	Blade	400 (15.9)	375 (14.9)



WSU91-BE078

Operation after installation

Install the instrument panel S/A.

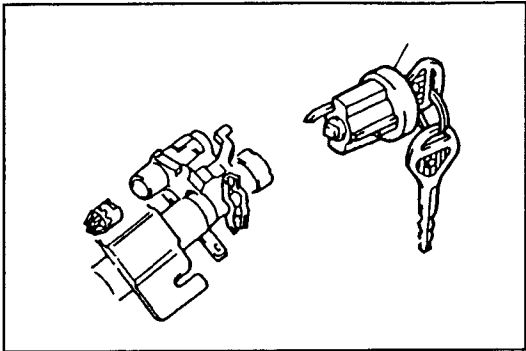
7. IGNITION KEY SWITCH

For the removal/installation procedure for the ignition key switch lock cylinder assembly, see the SR section.

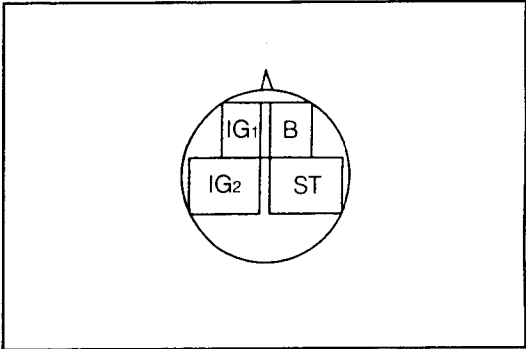
- (1) Ensure that the battery voltage is applied to the terminal B regardless of the key switch position.
- (2) Disconnect the connector.
- (3) Ensure that continuity exists between the respective terminals as indicated in the table below.

Continuity Table

Position \ Terminal	Terminal			
	B	IG1	IG2	ST
OFF				
ON	○	○	○	
ST	○		○	○



WSU91-BE082

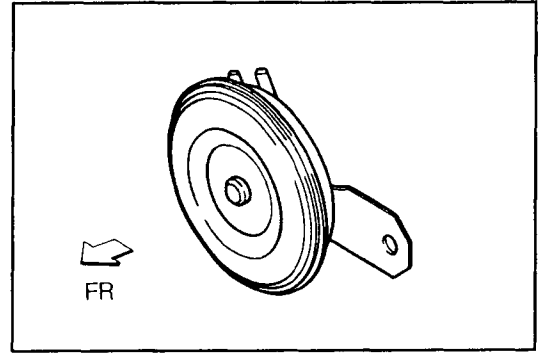


WSU91-BE083

8. HORN

The horn is installed at the behind of the front bumper, right hand.

The circuit diagram shows on the multi-use lever circuit.



WSU91-BE084

INSPECTION

If the sound quality and/or sound level is abnormal when the following unit inspection reveals no malfunction, replace the horn.

- (1) Fuse 15A (Horn, Hazard)
- (2) Horn switch
- (3) Battery voltage

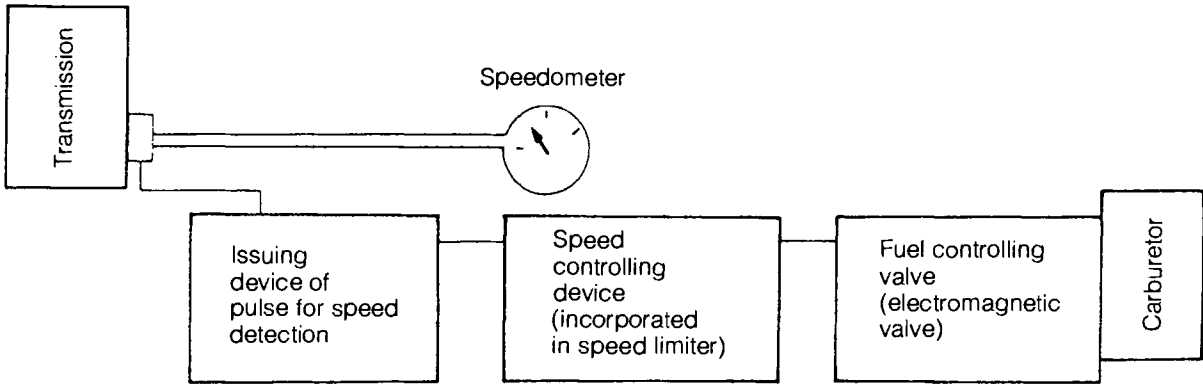
WSU91-BE085

9. SPEED CONTROL SYSTEM

FUEL CONTROL MECHANISM AND FUNCTION

Speed detecting device

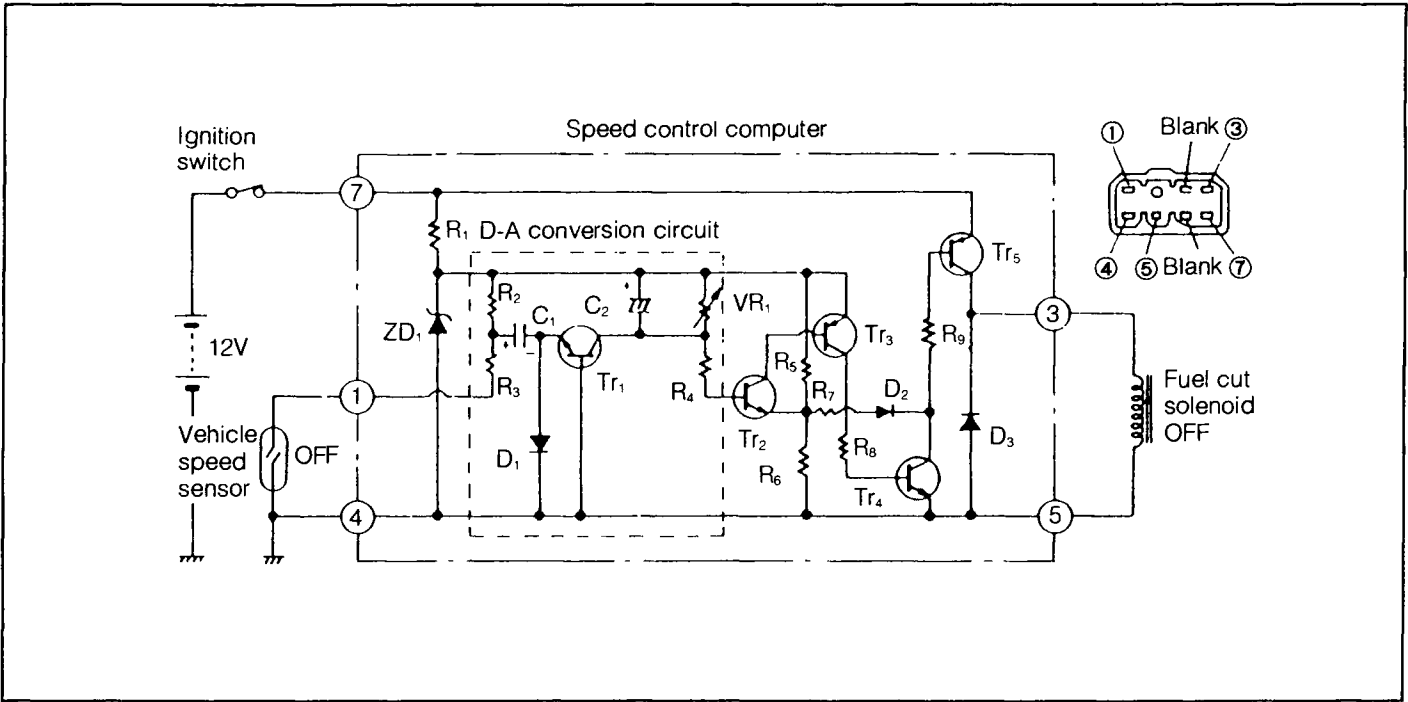
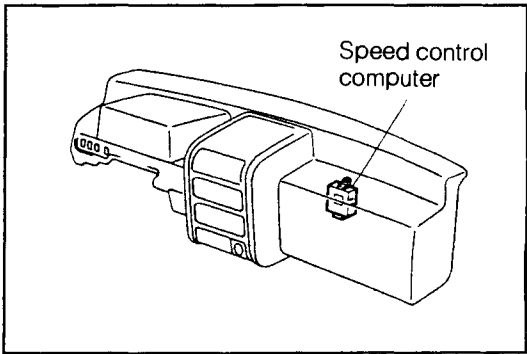
The speed sensor has been installed between the speedometer and the speedometer gear of the transmission and issues signals (pulses) according to the vehicle speed. Such signals are sent to the speed controlling device, an incorporated mechanism which limits the speed at about 25 miles/h.



WSU91-BE086

(1) Speed control computer
Specifications

Rated voltage	DC 12 V
Operative voltage range	DC 10 - 16 V
Ambient temperature range	-4 ~ 150°F
Operative vehicle speed S_1	26.5 ± 2 mph
Hysteresis $S_1 - S_1$	1 ± 0.7 mph
Load	56Ω (L load)



WSU91-BE087

WSU91-BE087

BODY ELECTRICAL SYSTEM

(2) Fuel control valve system

The output of the above-mentioned speed control device is sent to the fuel control valve (electromagnetic valve) installed on the carburetor and actuates on-off control at the limited speed of 25 miles/h.

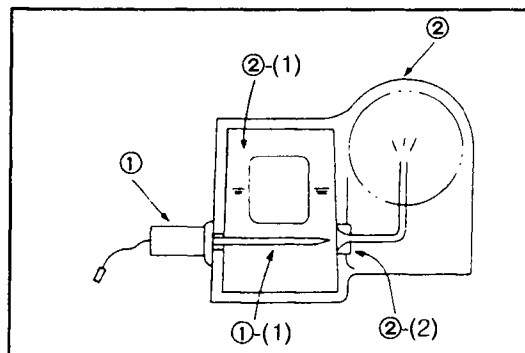
① Fuel control valve (Electromagnetic)

①-(1) Electromagnetic valve piston

② Carburetor

②-(1) Float chamber

②-(2) Main jet



WSU91-BE088

When the speed reaches 25 miles/h, the fuel control valve is turned off, and the electromagnetic valve piston (①-1) of the fuel control valve closes the main jet passage and the fuel is cut off.

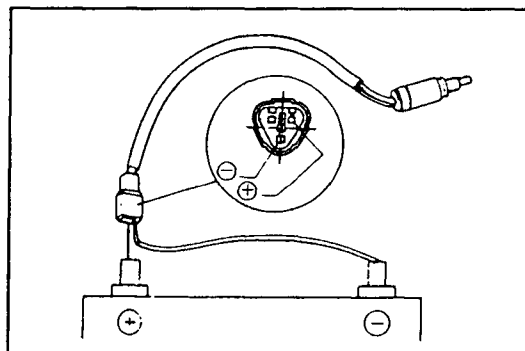
Consequently, the driving power is reduced and the speed decreases.

With the speed decreased, the fuel control valve is turned on. Thus, the main jet passage is opened and fuel-flow begins in the normal condition.

WSU91-BE089

Inspection

To check operation of solenoid valve, connect wirings to the battery positive terminal and negative terminal. The operating sound should be heard from the needle valve.



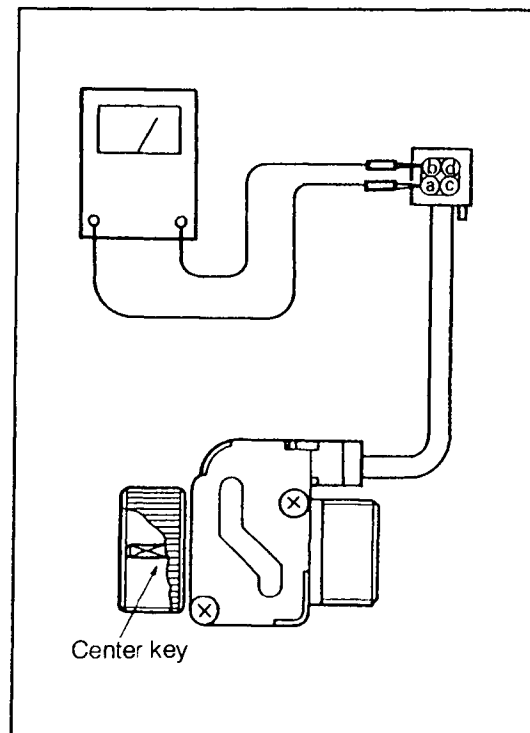
WSU91-BE090

(3) Speed sensor

① Remove the speed sensor from the transmission.

② Set a tester to the terminals (a) and (b) of the speed sensor connector.

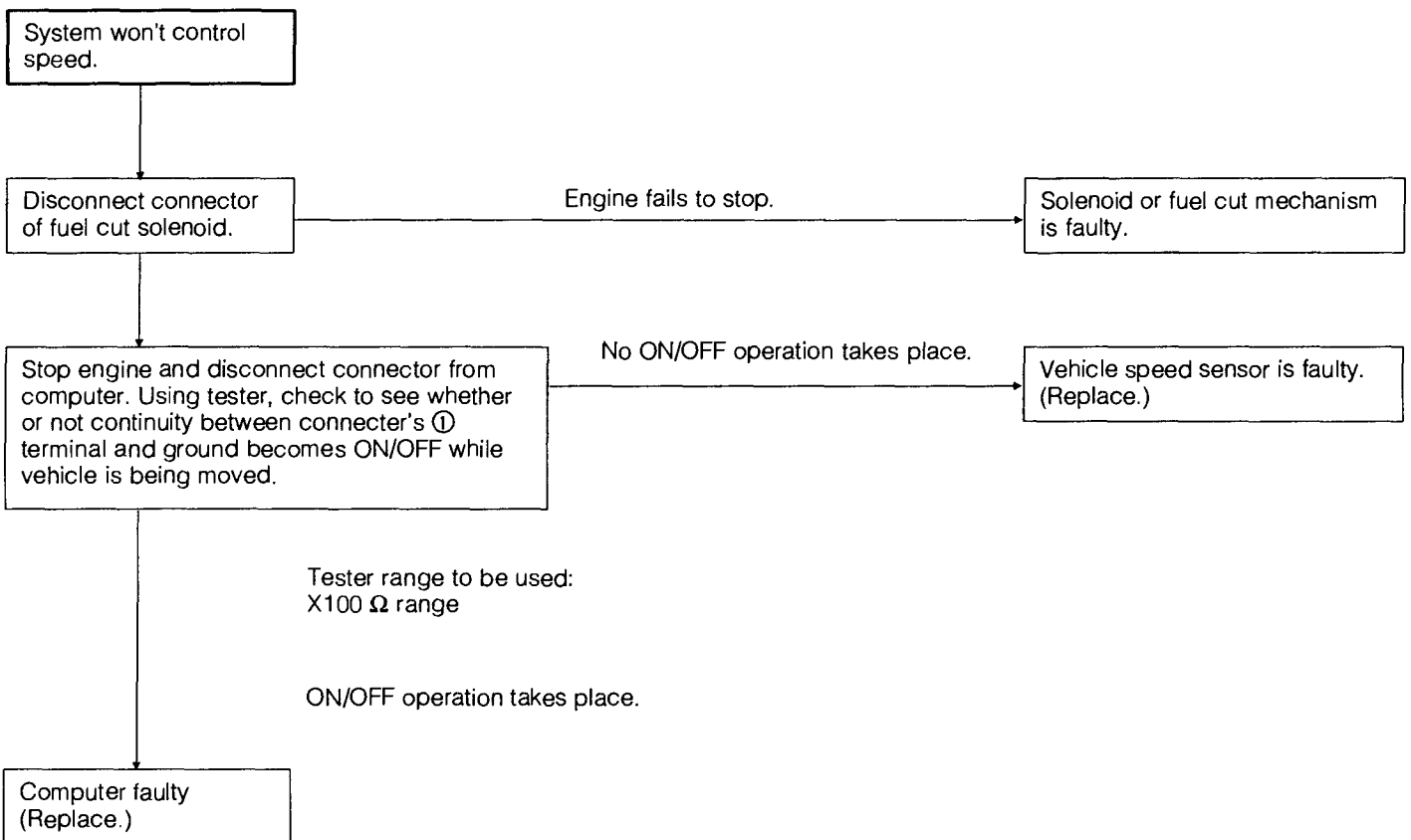
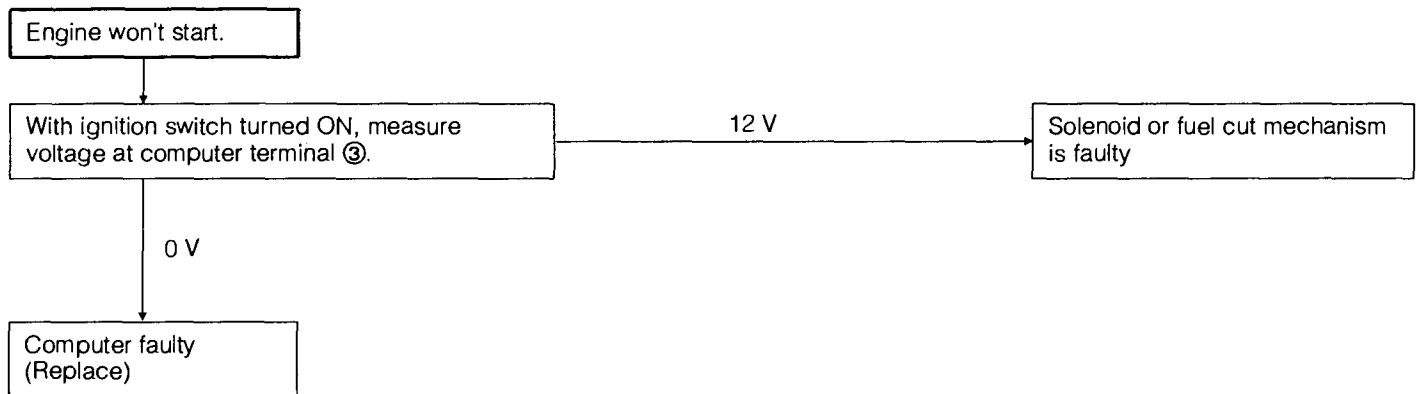
③ Turn the center key. Ensure that continuity occurs four times per a turn.



WSU91-BE091

Trouble shooting

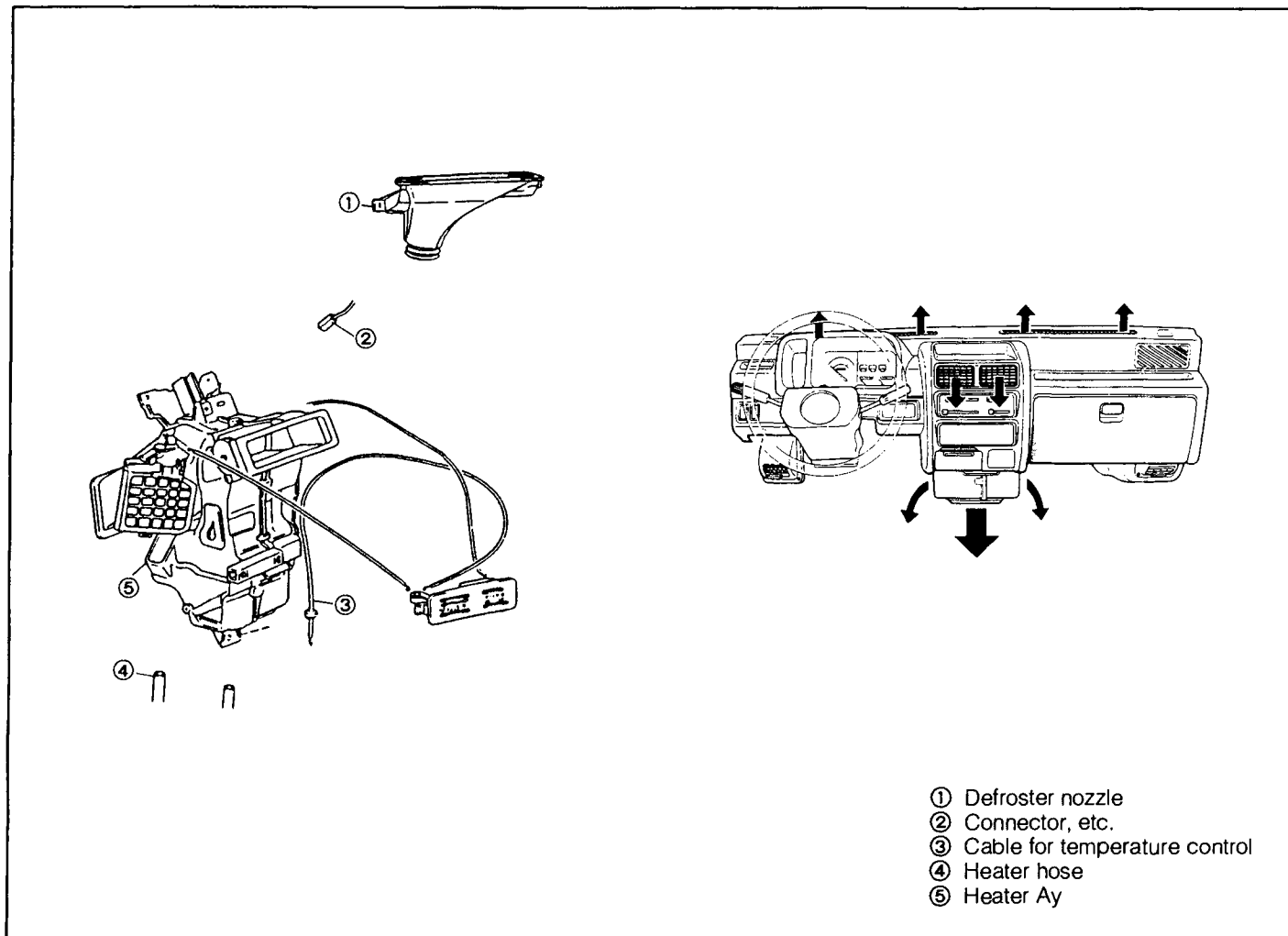
Previous to starting trouble shooting, make sure that the wiring harness, connectors and fuses exhibit no poor connection.



WSU91-BE092

10. HEATER

COMPONENTS



WSU91-BE093

REMOVAL

1. Disconnect the negative \ominus terminal of the battery.
2. With the temperature regulating lever of the heater control set to the "WARM" side, drain the cooling water from the radiator. (About 500 cc)
3. Remove the instrument panel subassembly.

WSU91-BE094

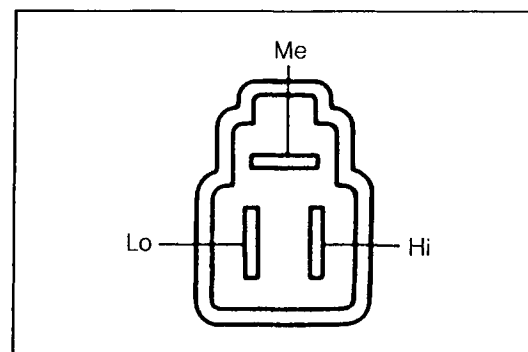
Inspection of blower register

Measure the value of resistance between the following terminals below.

Specified Value:

Lo - Me: about 2 Ω

Lo - Hi: about 3 Ω



WSU91-BE095

Inspection of blower switch

Ensure that continuity exists between the respective terminals as indicated in the table.

Continuity Table


Terminal	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
Switch										
Hi						○	○			○
Me						○	○		○	
Lo						○	○			

Installation


TEMPERATURE REGULATING CABLE

Set the temperature regulating lever of the heater control to the (COOL) side. Also, set the cock lever at the heater inlet pipe section to the "SHUT" side. Proceed to insert the cable. Install the cable clamp guide by fitting it to the groove of the bracket positively.

INSIDE AIR/OUTSIDE AIR SWITCHING CABLE

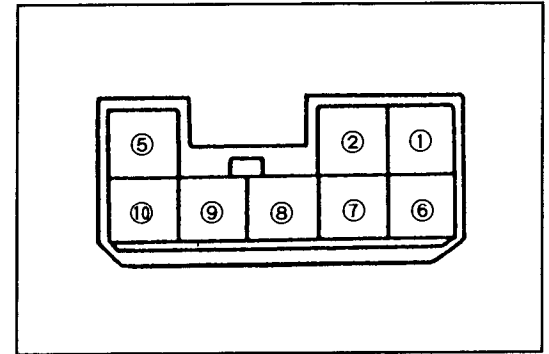
Set the inside air/outside air switching lever of the heater control to the  (RECIRC) side. Also, set the inside air/outside air switching lever of the heater unit to the "RECIRC" side. Proceed to insert and clamp the cable.

MODE SWITCHING CABLE

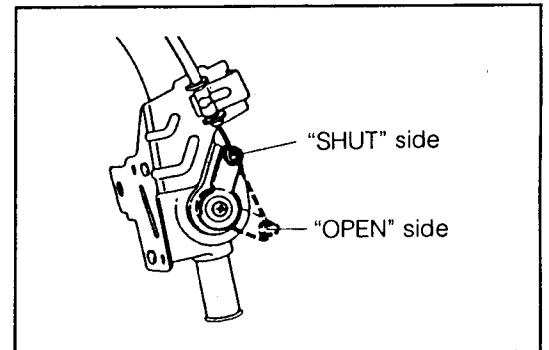
Set the mode switching lever of the heater control to  (VENT) side. Also, set the mode switching lever of the heater unit to the "VENT" side. Insert and clamp the cable.

Operation after installation

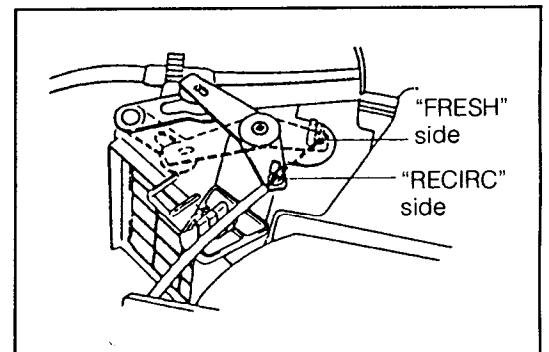
1. Install the instrument panel subassembly.
2. Fill cooling water.
3. Install the negative ⊖ terminal of the battery.



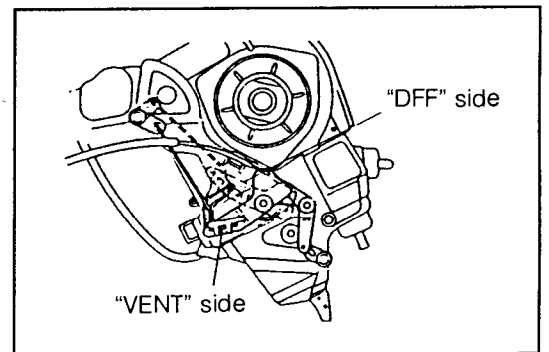
WSU91-BE096



WSU91-BE097



WSU91-BE098



WSU91-BE099

WSU91-BE100