
EXTERIOR

CONTENTS

51109000135

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SERVICE SPECIFICATION

51100030119

Item		Standard value
Windshield wiper blade installation position mm	Driver's side	23 – 33
	Passenger's side	25 – 35

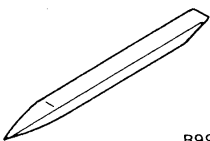
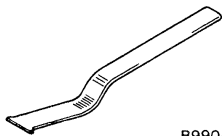
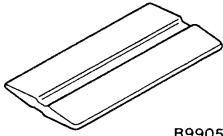
ADHESIVE

51100050108

Item	Specified adhesive
Door mirror inner delta cover	Adhesive tape: double-sided tape [5 mm width and 0.5 mm thickness]

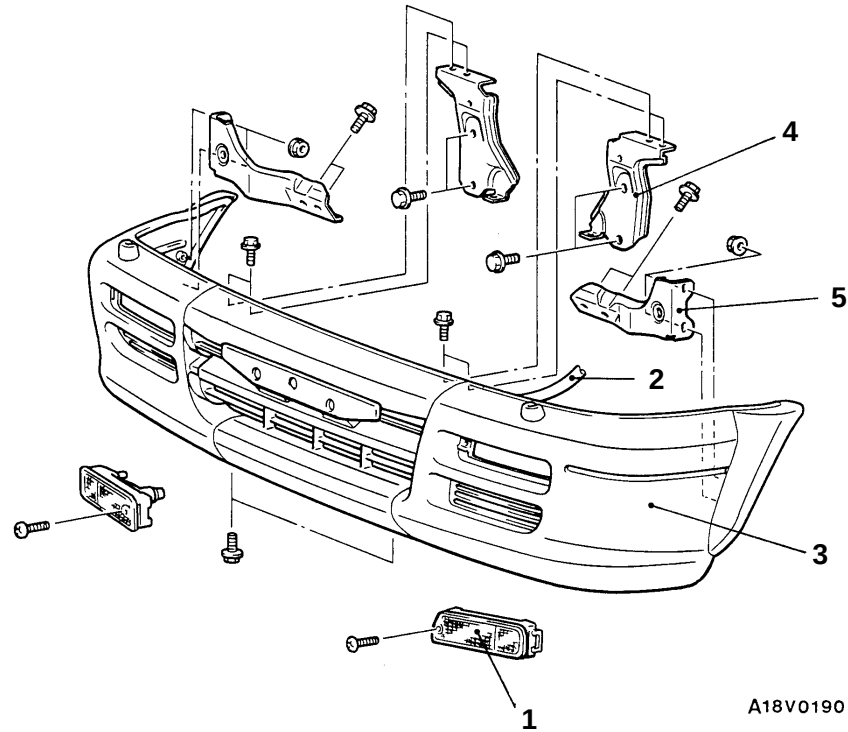
SPECIAL TOOLS

51100060095

Tool	Number	Name	Use
 B990784	MB990784	Ornament remover	Front deck garnish, front and rear flare, remote controlled mirror switch and door mirror inner delta cover removal
 B990449	MB990449	Window moulding remover	Roof drip moulding removal
 B990528	MB990528	Stripe tape spatula	Stripe tape bonding

FRONT BUMPER

51100140119

REMOVAL AND INSTALLATION

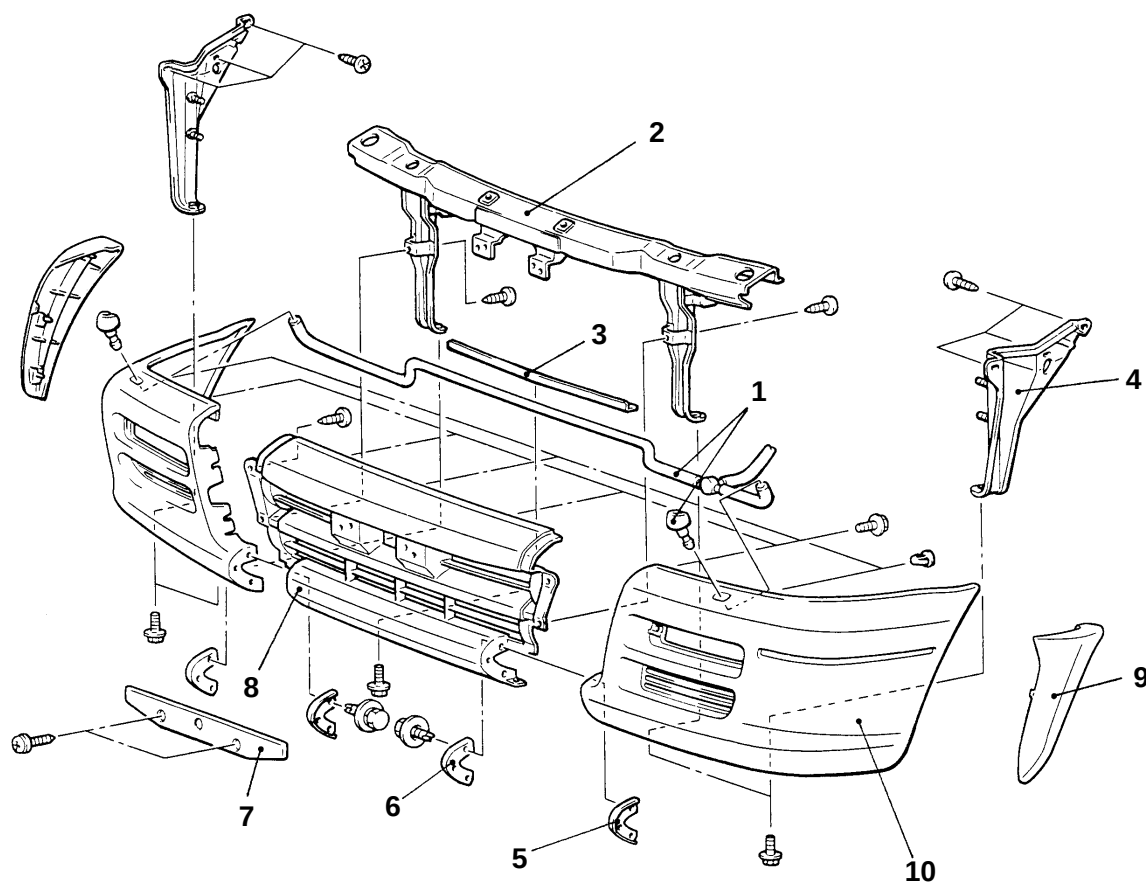
A18V0190

Removal steps

- Radiator grille
- 1. Front combination lamp assembly
- 2. Headlamp washer hose connection
<Vehicles with headlamp washer>
(Refer to P.51-12.)
- 3. Front bumper assembly
- 4. Front bumper support
- 5. Front bumper side stay

DISASSEMBLY AND REASSEMBLY

51100160122

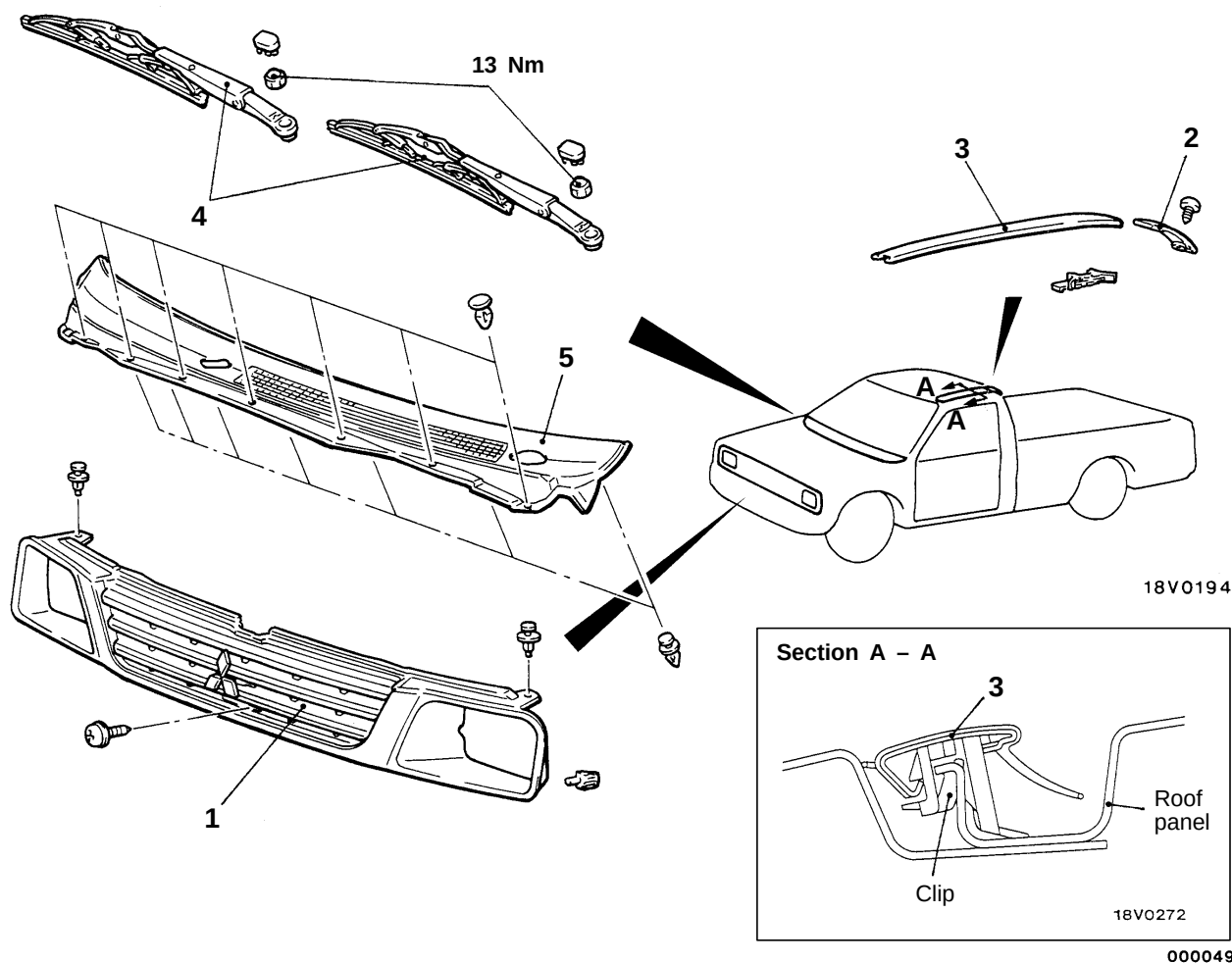


A18V0192

Disassembly steps

1. Headlamp washer hose and nozzle
<Vehicles with headlamp washer>
(Refer to P.51-12.)
2. Front bumper beam assembly
3. Front bumper lower reinforcement
4. Front bumper side reinforcement
5. Bumper side corner reinforcement
6. Bumper center corner reinforcement
7. Licence plate bracket
8. Front bumper center face
9. Front bumper face side extension
<Vehicles with over fender>
10. Front bumper side face

51100350031

GRILLE, MOULDING AND GARNISH**REMOVAL AND INSTALLATION**

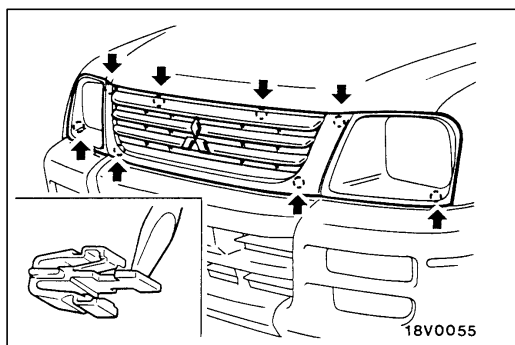
1. Radiator grille

Roof drip moulding removal steps

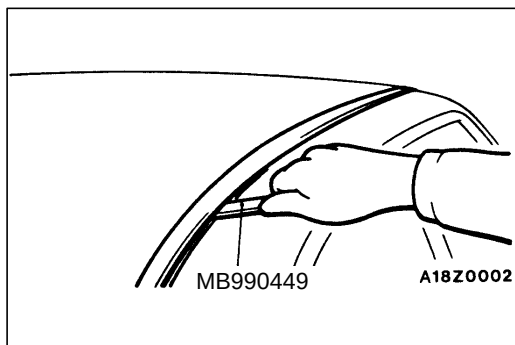
2. Roof drip cover
3. Roof drip moulding

Front deck garnish removal steps

4. Wiper arm and blade assembly
(Refer to P.51-9.)
5. Front deck garnish

**REMOVAL SERVICE POINTS****◀A▶ RADIATOR GRILLE REMOVAL**

Remove the radiator grille by pushing the tab of the radiator grille clips in the direction of the arrows with a flat-tipped screwdriver, while lightly pulling the radiator grille towards you.



◀B▶ ROOF DRIP MOULDING REMOVAL

Use the special to lever out the moulding.

Caution

Do not reuse the warped moulding.

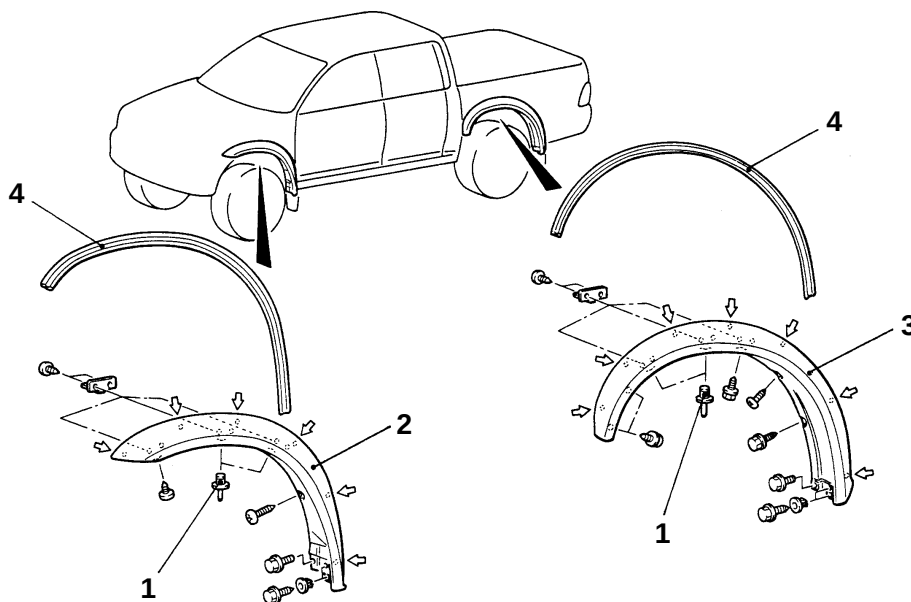
OVER FENDER

51101380039

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- Mud Guard Removal and Installation

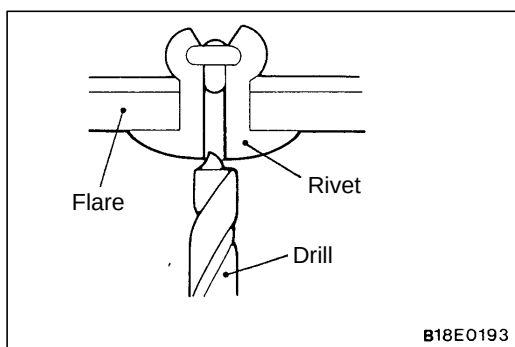


A18V0195

Removal steps



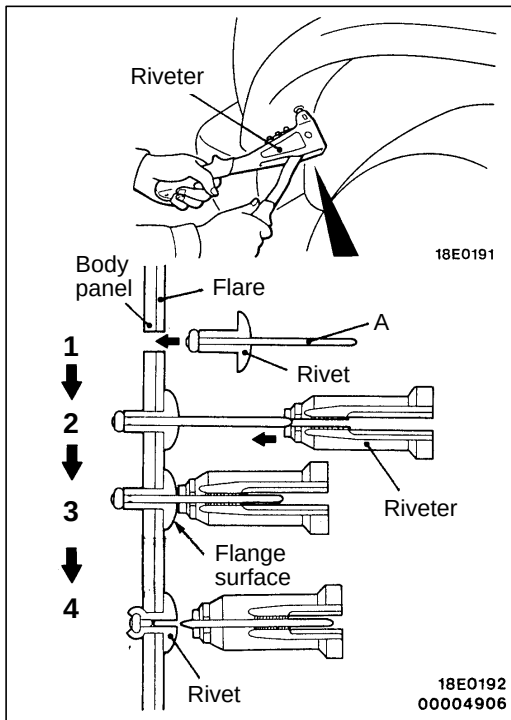
1. Rivet
2. Front flare
3. Rear flare
4. Protector



REMOVAL SERVICE POINT

◀A▶ RIVET REMOVAL

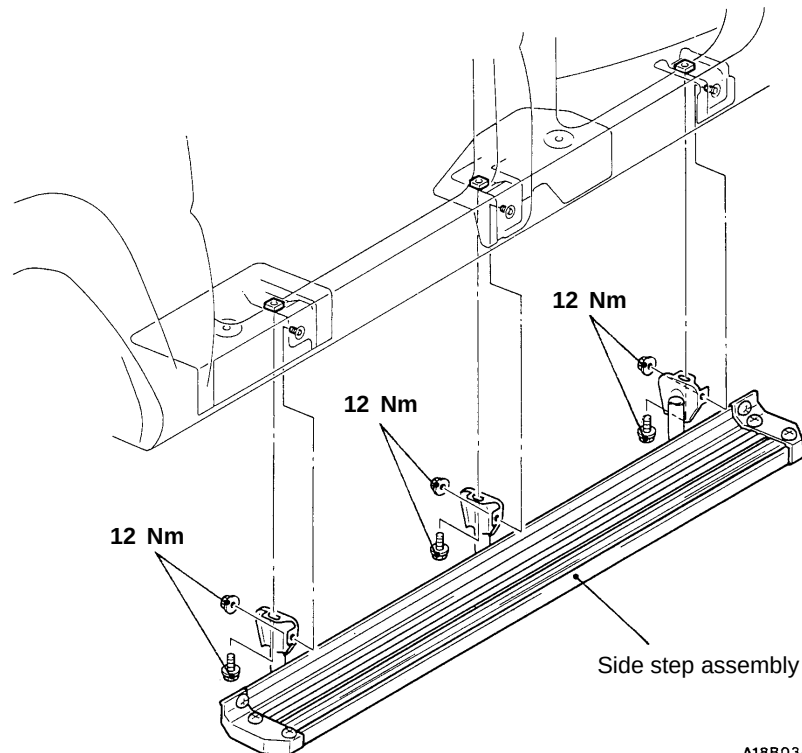
Use a drill ($\phi 4.0 - 5.5$ mm) to break the rivet by drilling a hole, and remove the rivet.

**INSTALLATION SERVICE POINT****►A◄ RIVET INSTALLATION**

1. Insert the rivet into the body panel and flare.
2. Insert A of the rivet into the riveter.
3. Pressing the flange surface of the rivet, move the handle of the riveter.
4. The thinnest point of A is cut and the rivet is hold in the position

SIDE STEP

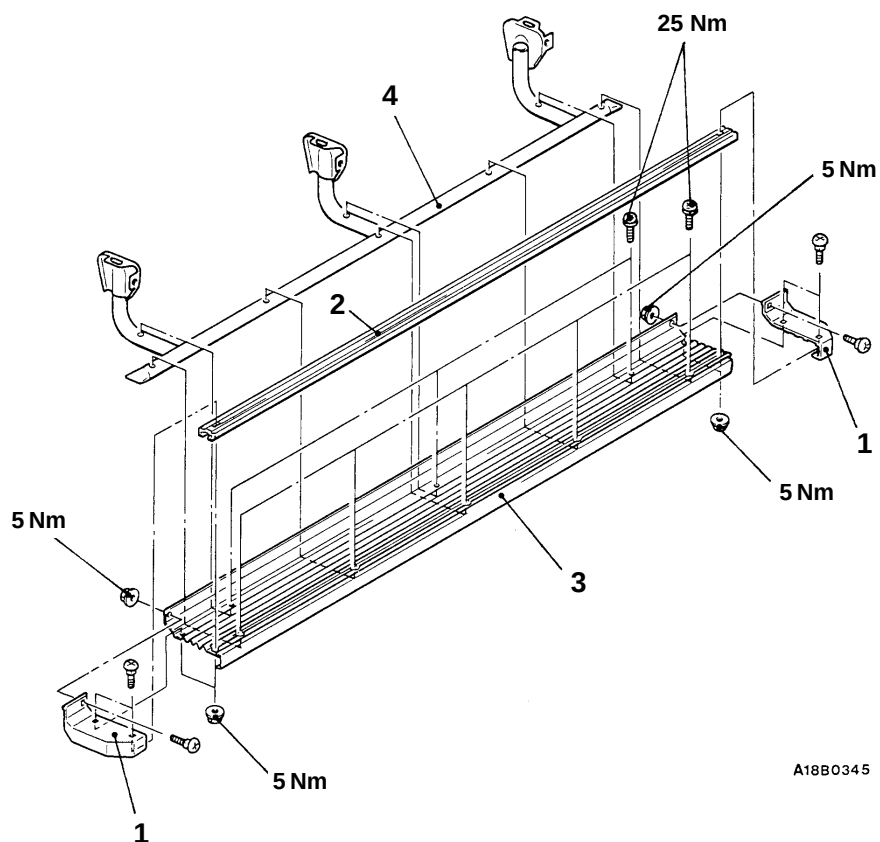
51101150012

REMOVAL AND INSTALLATION

A18B0346

DISASSEMBLY AND REASSEMBLY

51101430017

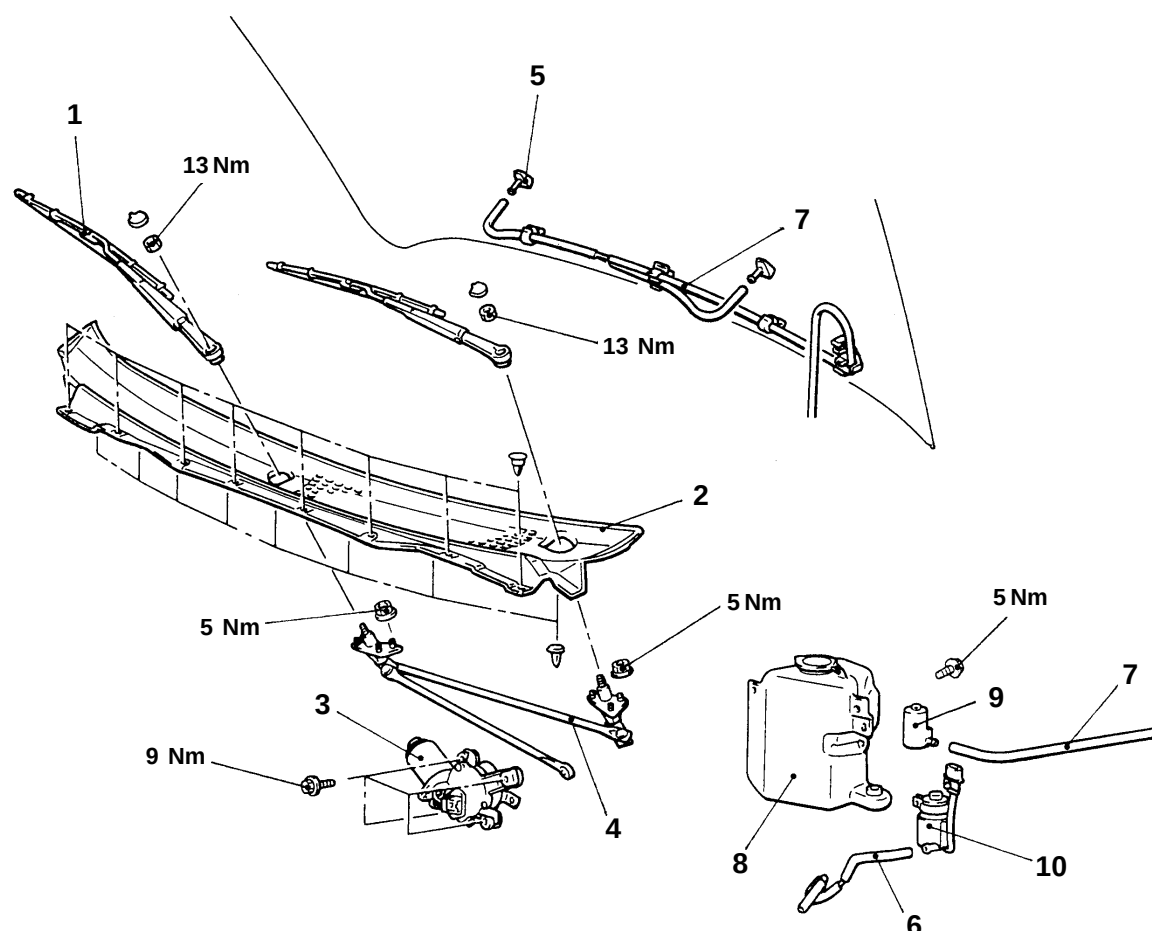
**Disassembly steps**

1. Step cover
2. Non-slip cover
3. Step plate
4. Side step pipe assembly

WINDSHIELD WIPER AND WASHER

51100760148

REMOVAL AND INSTALLATION



A18V0220

Wiper motor and link assembly removal steps



1. Wiper arm and blade assembly
2. Front deck garnish
3. Wiper motor
4. Wiper link assembly

Washer nozzle removal

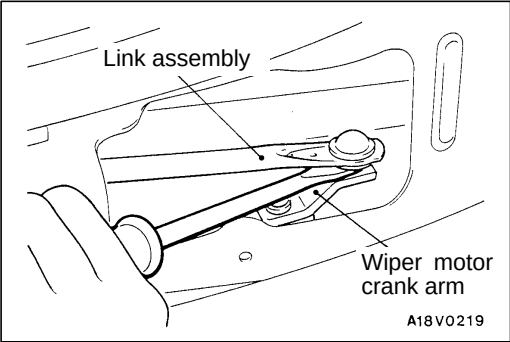
5. Washer nozzle

Washer tank removal steps

- Washer fluid draining and supplying
- 6. Headlamp washer hose connection <Vehicles with headlamp washer>
- 7. Washer hose
- 8. Washer tank assembly
- 9. Washer motor
- 10. Headlamp washer motor <Vehicles with headlamp washer>

NOTE

For removal and installation of the column switch assembly (windshield wiper and washer switch), refer to GROUP 37A – Steering Wheel and Shaft.

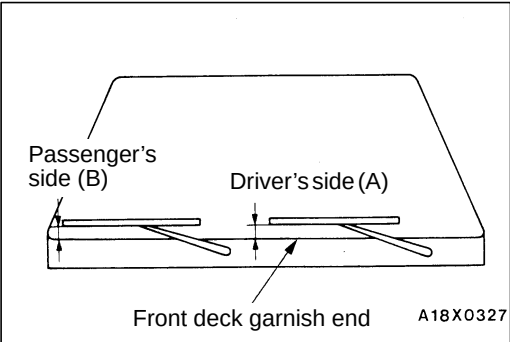


REMOVAL SERVICE POINT

◀A▶ WIPER MOTOR REMOVAL

Use a flat-tipped screwdriver to remove the connection between the wiper motor crank arm and the link assembly.

Caution
Auto-stop angle is controlled so do not remove crank arm from wiper motor unless necessary.
When removing, mark crank arm and wiper motor.

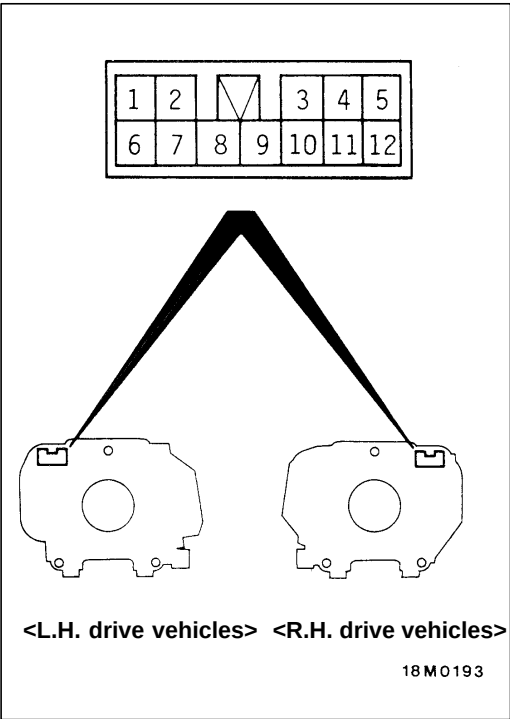


INSTALLATION SERVICE POINT

▶A◀ WIPER ARM AND BLADE ASSEMBLY INSTALLATION

Install the wiper blade in the specified position (standard value).

Standard value:
Driver's side (A) 23 – 33 mm
Passenger's side (B) 25 – 35 mm



INSPECTION

51100770103

COLUMN SWITCH CHECK

Wiper and Washer Switch

<L.H. drive vehicles>

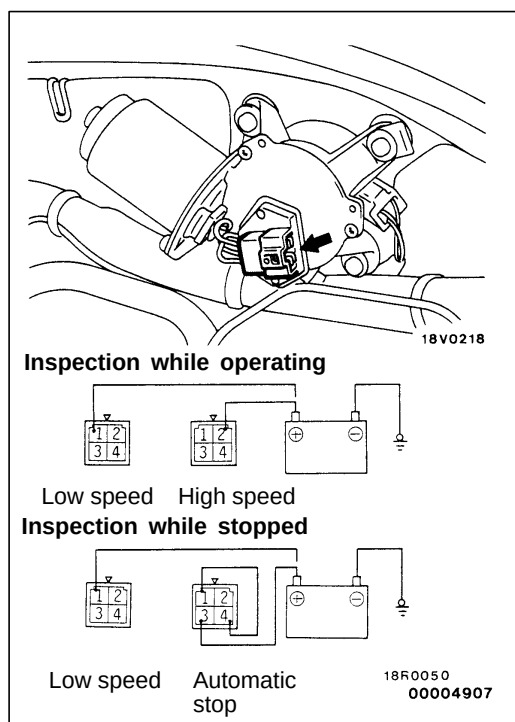
Switch position		Terminal No.				
		6	7	8	9	10
Wiper switch	OFF		○	○		
	INT		○	○		
	1 (LO)			○		○
	2 (HI)				○	○
Washer switch	ON	○				○

<R.H. drive vehicles>

Switch position		Terminal No.				
		8	9	10	11	12
Wiper switch	OFF			○	○	
	INT			○	○	
	1 (LO)	○		○		
	2 (HI)	○	○			
Washer switch	ON	○				○

Intermittent Wiper Relay (Intermittent Operation Inspection)

1. Connect the column switch connector.
2. Turn the ignition switch to ACC.
3. Inspect the intermittent operation time when the wiper switch is turned to INT.

Vehicles with variable intermittent control**FAST: Approx. 2 seconds****SLOW: Approx. 15 seconds****WIPER MOTOR CHECK**

51101260050

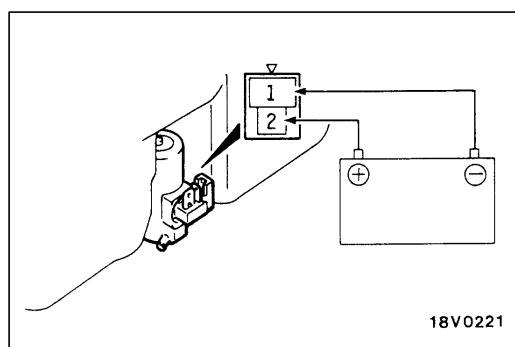
Check the wiper motor after disconnecting the wiring harness connector, and with the wiper motor remaining installed to the body.

Wiper Motor at Low Speed and High Speed Operation

Connect a battery to the wiper motor as shown in the illustration and inspect motor operation at low speed and high speed.

Wiper Motor at Stop Position Operation

1. Run the wiper motor at low speed, disconnect the battery, and stop the motor.
2. Reconnect the battery as shown in the illustration, and confirm that after the motor starts turning at low speed, it stops at the automatic stop position.

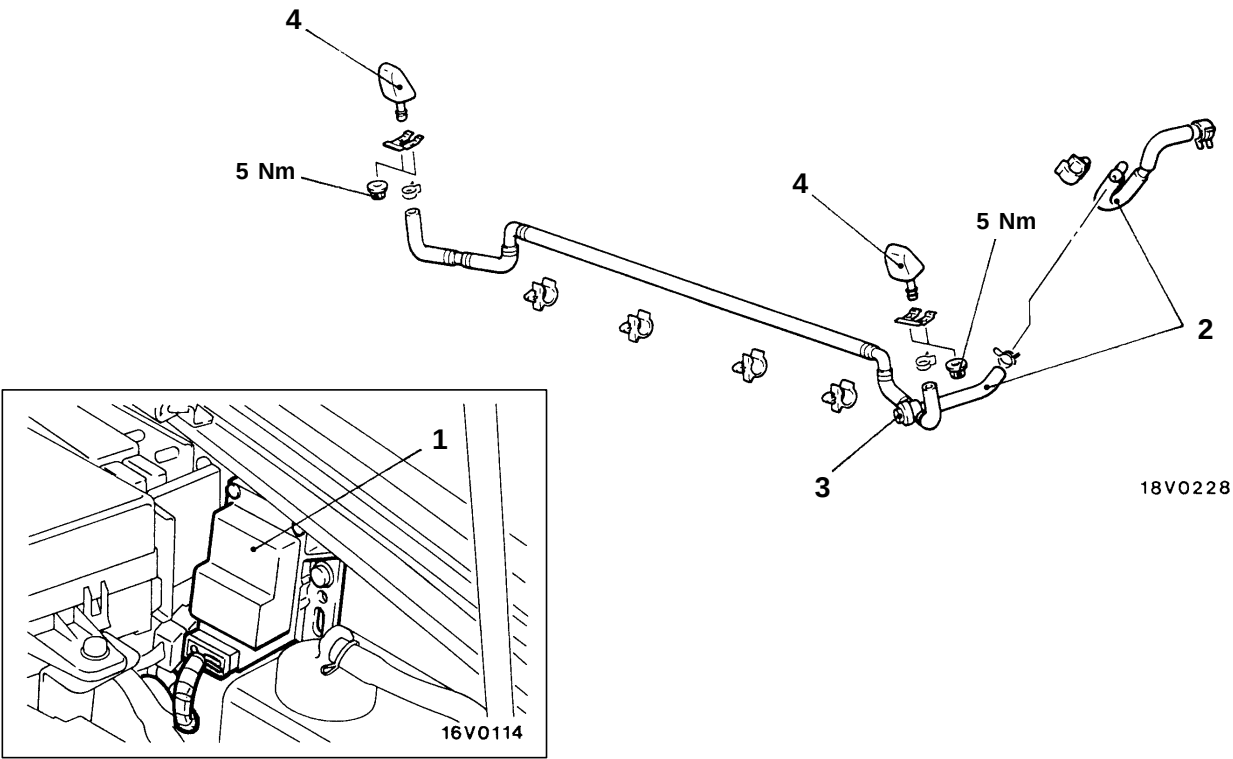
**WASHER MOTOR CHECK**

51101270060

1. With the washer motor installed to the washer tank, fill the washer tank with water.
2. Check that the water squirts out strongly when battery voltage is applied to terminals (1) and (2).

HEADLAMP WASHER
REMOVAL AND INSTALLATION

51100970077



00004908

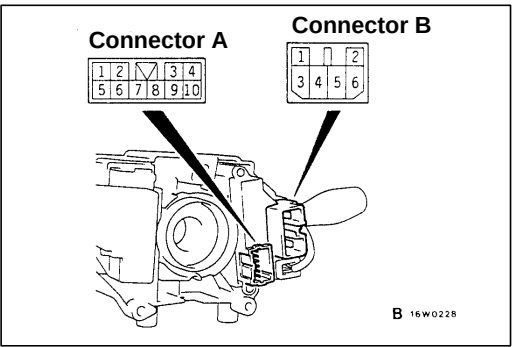
1. Headlamp washer relay

**Washer nozzle and check valve
removal steps**

- Washer fluid draining
 - Front bumper (Refer to P.51-3.)
2. Washer hose
3. Check valve
4. Washer nozzle

NOTE

1. For removal and installation of the column switch assembly (built-in headlamp washer switch), refer to GROUP 37A – Steering Wheel and Shaft.
2. For removal and installation of the washer tank, refer to P.51-9.

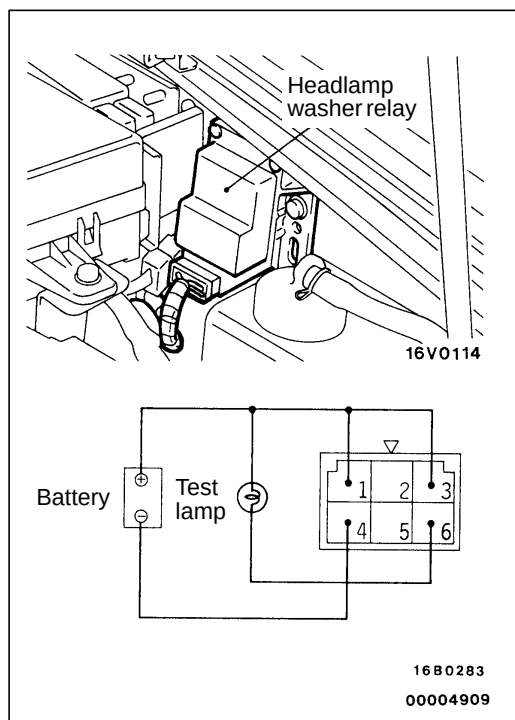


INSPECTION

51100980070

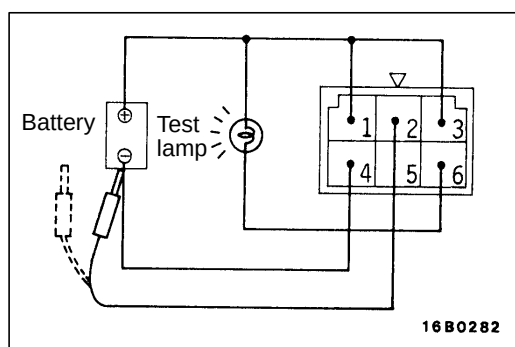
**COLUMN SWITCH (HEADLAMP WASHER SWITCH)
CHECK**

Check the continuity between terminal (2) of connector A and terminal (1) of connector B with headlamp washer switch in ON position.

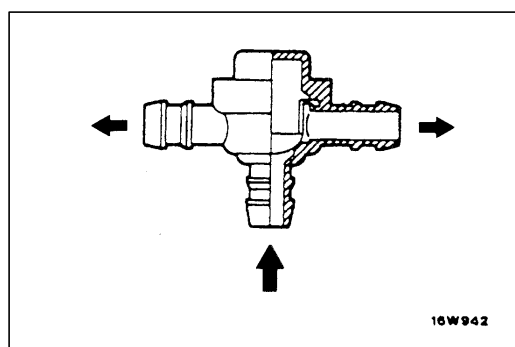
**HEADLAMP WASHER RELAY CHECK**

51101320048

1. Connect battery and test lamp to the relay as illustrated.



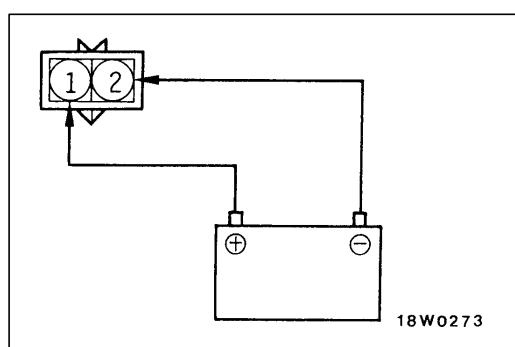
2. The relay is normal if the lamp lights for approximately 0.5 second upon connection of terminal (2) to battery (-).

**CHECK VALVE CHECK**

51101330041

Apply pressure to the inlet of the check valve to check its opening pressure.

Opening pressure: 78 kPa

**HEADLAMP WASHER MOTOR CHECK**

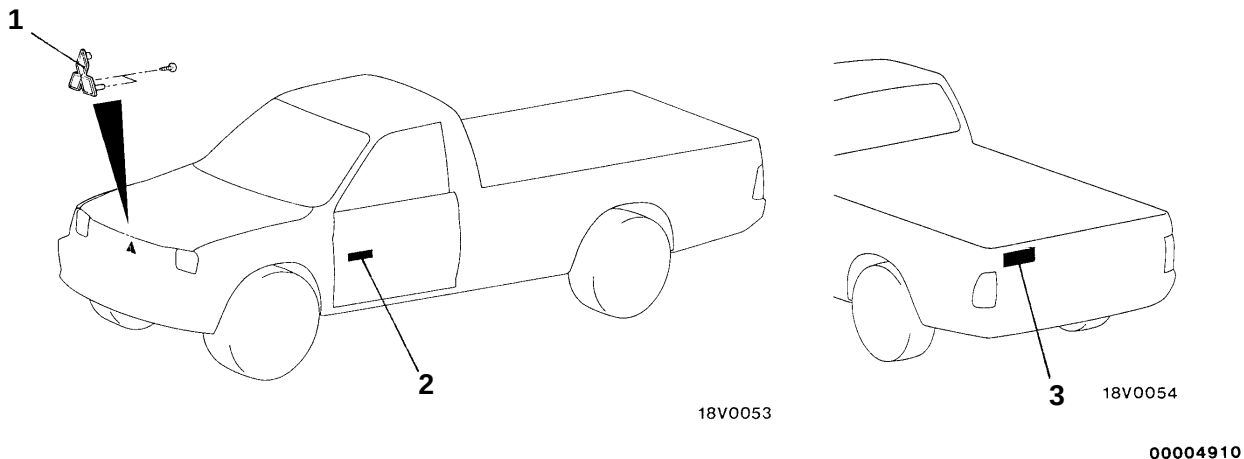
51101340044

1. With the headlamp washer motor installed to the washer tank, fill the washer tank with water.
2. Check that the water squirts out strongly when battery voltage is applied to terminals (1) and (2).

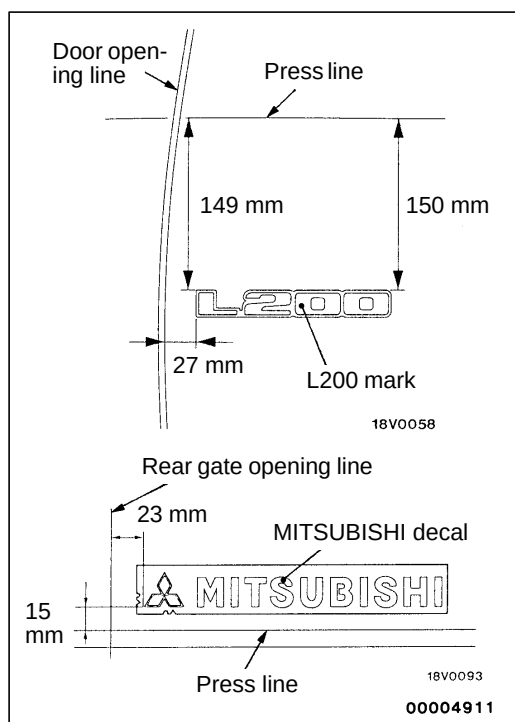
MARKS

51101180066

REMOVAL AND INSTALLATION



1. Three dia. mark
 2. L200 mark
 3. MITSUBISHI mark



INSTALLATION SERVICE POINT

▶◀ MARK AND DECAL INSTALLATION

1. Installation position
Attach to the position shown in the illustration.
2. Installation procedure
 - (1) Use unleaded petrol to clean the body surface at the installation position of the marks and decals.
 - (2) Peel the backing paper off from the reverse of the marks and decals and attach the marks and decals to the vehicle body.
 - (3) Remove the application tape from the decal.

Caution

1. When installing the marks and decals, the surrounding temperature should be 20 – 38°C and the air should be completely free from dust.
2. If the surrounding temperature is lower than 20°C, the marks, decals and the body surface should be heated to 20 – 30°C.

STRIPE TAPE

51101210017

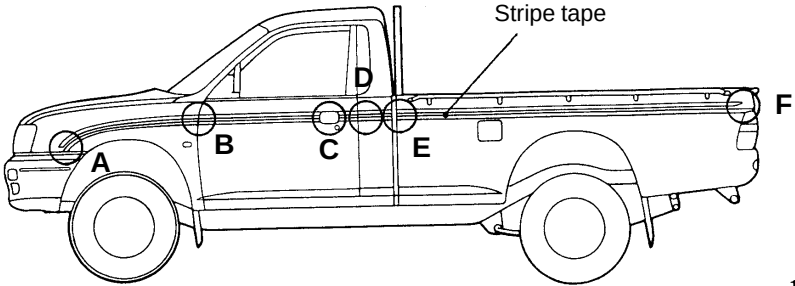
INSTALLATION SERVICE POINT

1. Peel the backing paper off from the reverse of the stripe tape and attach the stripe tape to the vehicle body.

Caution

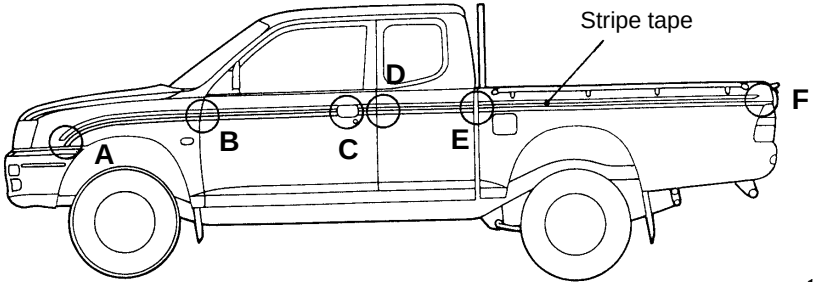
1. When installing the stripe tape, the surrounding temperature should be 20 – 38°C and the air should be completely free from dust.
2. If the surrounding temperature is lower than 20°C, the stripe tape and the body surface should be heated to 20 – 30°C.

Single cab



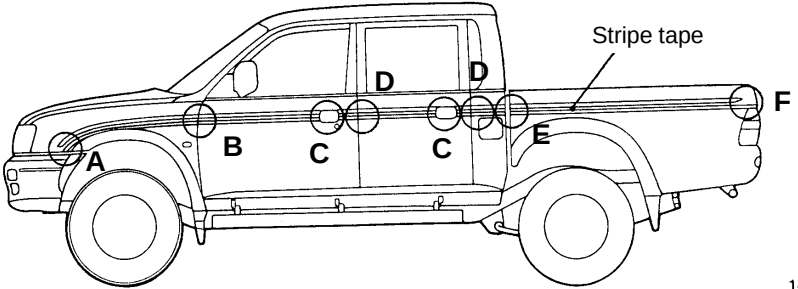
18V0196

Club cab



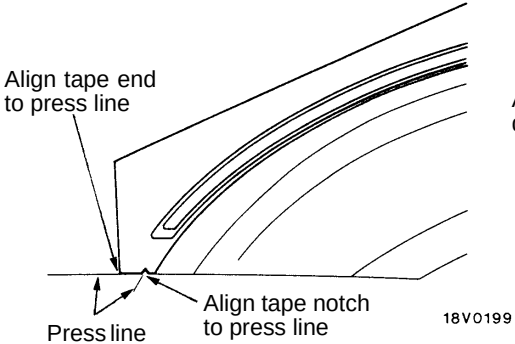
18V0197

Double cab



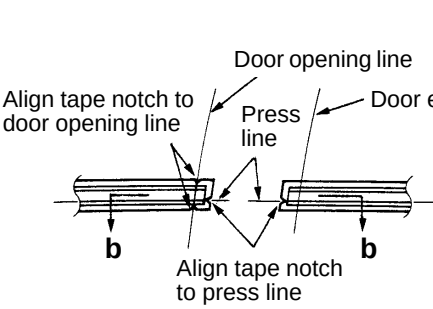
18V0198

Point A



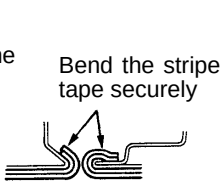
18V0199

Point B



18V0200

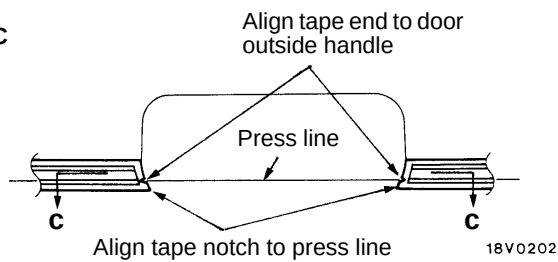
Section b – b



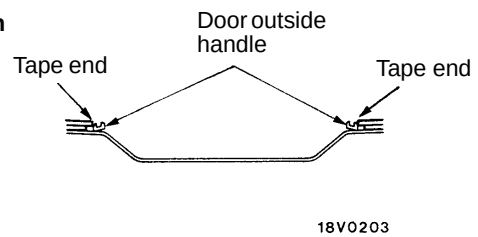
18V0201

00004912

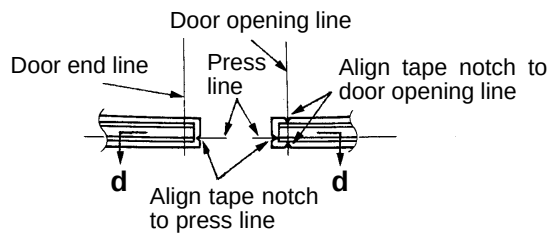
Point C



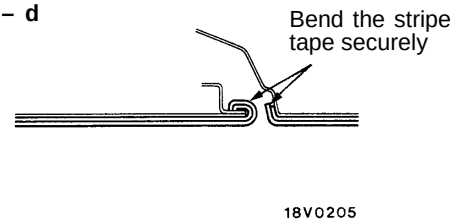
Section c – c



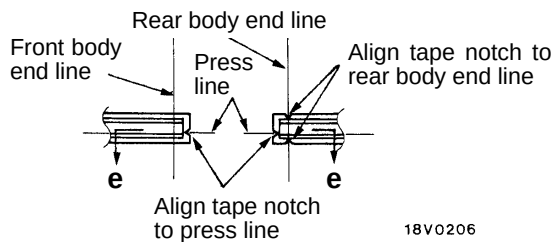
Point D



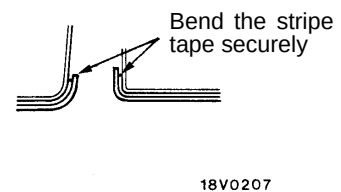
Section d – d



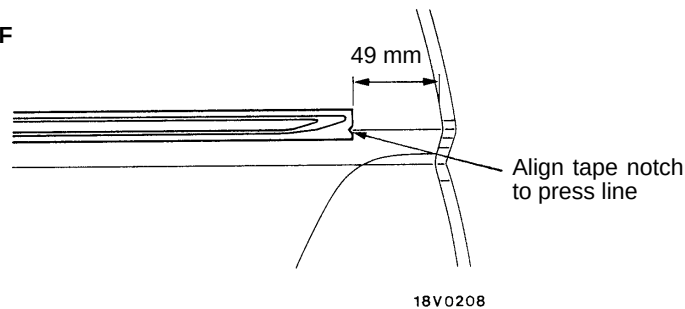
Point E



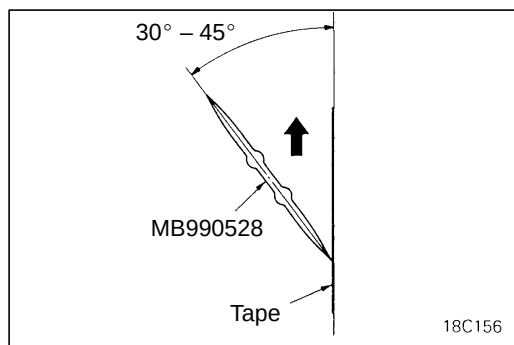
Section e – e



Point F



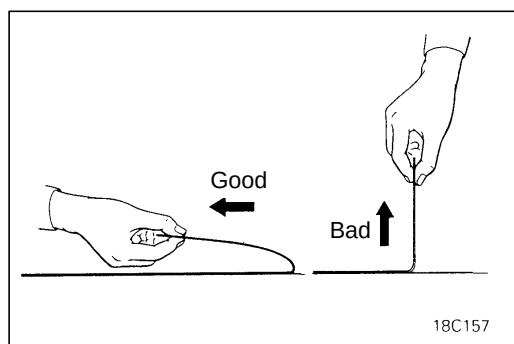
00005283



2. Use the special tool to press on the tape, beginning at the centre and moving evenly to both the top and bottom, in order to remove any trapped air bubbles.

Caution

1. If the special tool slides to the side, there will be slack at the end of the tape, causing wrinkles, and the tape may deviate from the correct application position.
2. If the tape is not applied properly, it may come off later.

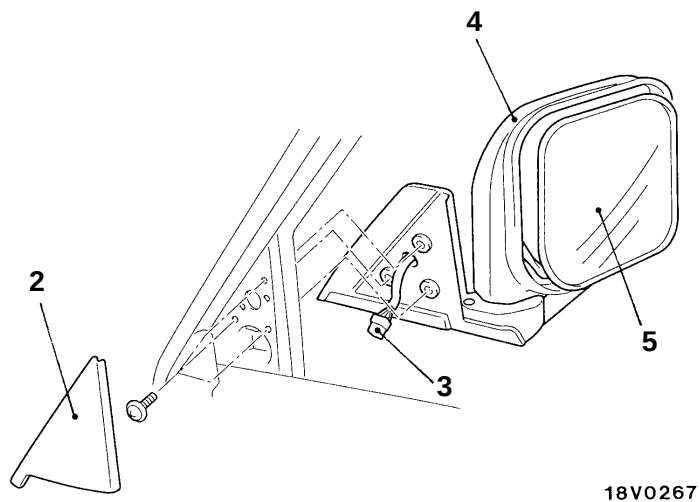


3. Pull the tape off straight and slowly.
4. If there are any air bubbles in the tape after the application, use a sewing needle to make small holes in the bubbles, and use the corners of the spatula to press the air out.

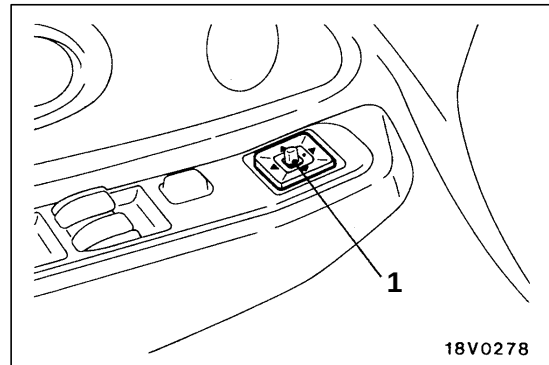
DOOR MIRROR

51100640060

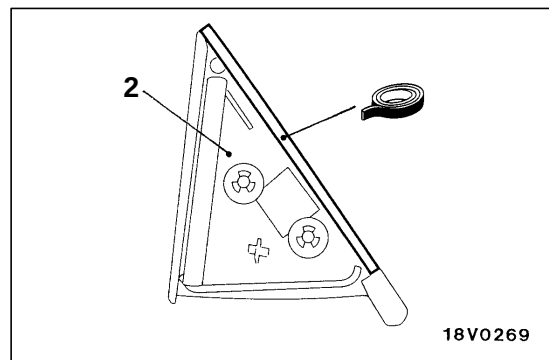
REMOVAL AND INSTALLATION



18V0267



18V0278



18V0269

Adhesive tape:
Double-side tape
[5 mm width and 0.4 mm thickness]

00004914

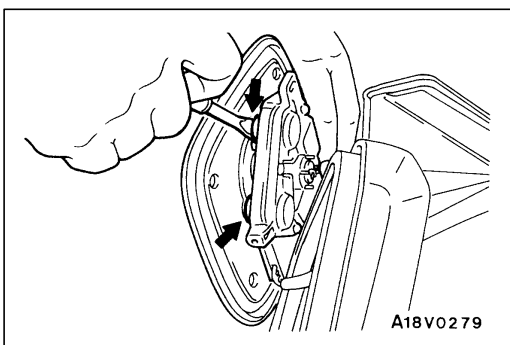
1. Remote controlled mirror switch

Door mirror removal steps

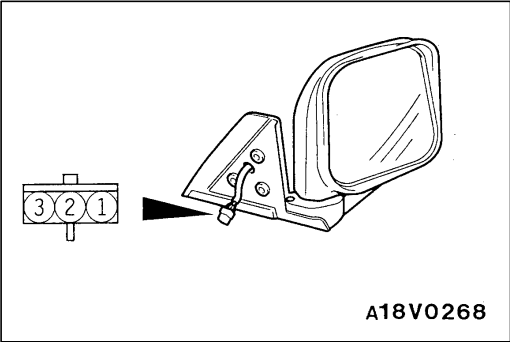
2. Inner delta cover
3. Harness connector <Vehicles with remote controlled mirror>
4. Door mirror assembly
5. Mirror <Vehicles with remote controlled mirror>

**REMOVAL SERVICE POINT****◀A▶ MIRROR REMOVAL**

Disconnect the parts indicated by the arrows and remove the mirror from the actuator sub assembly.



A18V0279



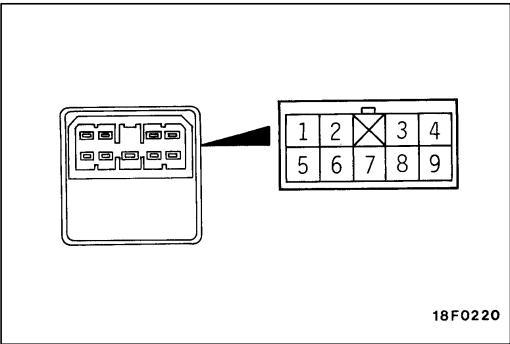
INSPECTION

51100650056

REMOTE CONTROLLED MIRROR ASSEMBLY CHECK

Check to be sure that the mirror moves as described in the table when each terminal is connected to the battery.

Battery connection terminal			Direction operation
1	2	3	
⊖		⊕	UP
⊕		⊖	DOWN
⊖	⊕		RIGHT
⊕	⊖		LEFT



REMOTE CONTROLLED MIRROR SWITCH
CONTINUITY CHECK

51101350047

Switch position		Terminal No.						
		2	3	4	6	7	8	9
Left side	UP			○	○	○	○	
	DOWN			○	○	○	○	
	LEFT		○	○	○	○		
	RIGHT		○	○	○	○		
Right side	UP	○		○	○	○		
	DOWN	○		○	○	○		
	LEFT			○	○	○		○
	RIGHT			○	○	○		○