

# BODY

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N23AA--

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# SPECIFICATIONS

## GENERAL SPECIFICATIONS

N23CA-

Items	2-door vehicles		4-door vehicles
Hood			
Type	Rear hinged, front opening type		Rear hinged, front opening type
Front door			
Construction	Front hinged, sash construction		Front hinged, sash construction
Regulator system	X-arm type		X-arm type
Locking system	Pin-fork type		Pin-fork type
Rear door			
Construction	—		Front hinged, sash construction
Regulator system	—		Single arm type
Locking system	—		Pin-fork type
Back door			
Construction	Right hinged, sash construction		Right hinged, sash construction
Locking System	Pin-fork type		Pin-fork type
Glass installation method			
Windshield	Weatherstrip type		Weatherstrip type
Quarter window	Weatherstrip type		Weatherstrip type
Front door window	Weatherstrip type		Weatherstrip type
Rear door window	—		Weatherstrip type
Back door window	Weatherstrip type		Weatherstrip type
Glass thickness mm (in.)			
Windshield	5.7 (.22)		5.7 (.22)
Quarter window glass	4.0 (.16)		4.0 (.16)
Front door glass	4.0 (.16)		4.0 (.16)
Rear door glass	—		4.0 (.16)
Back door window glass	4.7 (.19)		4.7 (.19)
Ventilator window glass	5.0 (.20)		5.0 (.20)
Stationary window glass	—		3.5 (.14)
Frame type			
Sectional form	Ladder type		Ladder type
Suspension seat	Box type		Box type
Suspension mechanism	Coil spring type with shock absorber		
Up-and-down movement stroke mm (in.)	70 (2.76)		70 (2.76)
Body weight adjustment kg (lbs.)	50-100 (110.2-220.5)		50-100 (110.2-220.5)
Seat height adjustment	3 levels		3 levels
Power window motor			
Type	Permanent magnet type (built-in circuit breaker)		Permanent magnet type (built-in circuit breaker)
Revolutions under load	rpm	75	75
Revolutions under load 20 kgcm/h(17 in.lbs./h)	rpm	50-80	50-80
Bound current		34 or less	34 or less
Direction of rotation		Clockwise and counter-clockwise	Clockwise and counter-clockwise

Items	2-door vehicles	4-door vehicles
Power window switch		
Rated load current A	11	11
Maximum load current A	22	22
Power window power relay		
Effective voltage V	10–16	10–16
Rated coil current A	MAX. 0.2	MAX. 0.2
Voltage drop between terminals (at 20A) V	0.3 or less	0.3 or less
Power window control relay		
Effective voltage V	10–16	10–16
Motor lock detecting current (at 12V) A	14–18	14–18
Open detecting current A	1	1
Door lock actuator		
Bound current (at 12V) A	4.5 or less	4.5 or less
*Tripping time (at 12V) second	5–30	5–30
Operating voltage range V	9–15	9–15
Door lock control unit		
Effective voltage V	10–16	10–16
Current consumption (when not in operation) mA	3 or less	3 or less
Door lock power relay		
Range of voltage used V	10–16	10–16
Rated load current A	0.1–5	0.1–5
Voltage drop between terminals (at 5A) V	0.3 or less	0.3 or less
Back door lock switch		
Voltage drop (at 12V and the rated load) V	0.2 or less	0.2 or less
Sunroof motor		
Type	–	DC ferrite (with built-in circuit breaker)
Speed at no load rpm	–	155–195
Speed at load [at 2 Nm (1.45 ft.lbs.)] rpm	–	110–150
Bound current A	–	33 or less
Turning direction	–	Both clockwise and counter-clockwise
Limit switch rated load A	–	5
Sunroof switch		
Rated load current A	–	10–20

NOTE

\*Tripping time is the time consumed until current reaches 0.5A after power connection.

## SERVICE SPECIFICATIONS

N23CB-

Items	Specifications
Standard values	
Front door glass holder mounting position mm (in.)	
Distance between the glass holder (A) and (B)	466.5-467.5 (18.367-18.406)
Distance between the glass holder (B) and the glass edge	76.5-77.5 (3.012-3.051)
Rear door glass holder mounting position mm (in.)	232-238 (9.1-9.4)
Front door outside handle play mm (in.)	3-8 (.12-.31)
Front door inside handle play mm (in.)	4-10 (.16-.39)
Rear door outside handle play mm (in.)	3-8 (.12-.31)
Rear door inside handle play mm (in.)	4-10 (.16-.39)
Back door outside handle play mm (in.)	5-10 (.20-.40)
Roof lid sliding resistance N (lbs.)	200 (44) or less
Sunroof motor clutch slipping force N (lbs.)	30-40 (7-9)

## TORQUE SPECIFICATIONS

N23CC-

Item	Nm	ft.lbs.
Body to frame	28-32	20-23
Hood hook to hood	4.0-6.0	2.9-4.3
Hood latch to body	4.0-6.0	2.9-4.3
Hood latch release cable	3.5-4.0	2.5-2.9
Front door hinge to door panel	17-26	12-19
Front door hinge to body	35-55	25-40
Rear door hinge to door panel	17-26	12-19
Rear door hinge to body	35-55	25-40
Ventilator window assembly to door panel	6	4.3
Window regulator to door panel	6	4.3
Door lower sash to door panel	6	4.3
Back door hinge to body	35-55	25-40
Back door to back door hinge	35-55	25-40
Spare tire bracket to back door	8-10	6-7
Under skid plate to frame	18-25	13-18
Under cover installation bolts	10-13	7-9
Snow-protection under cover installation bolts	10-13	7-9
Transfer case protector to No. 2 crossmember	18-25	13-18
Transfer case protector to frame	10-13	7-9
Cross shaft protector installation bolts	10-13	7-9
Steering wheel lock nut	35-45	25-33
Air duct to body	4-6	3-4
Seat anchor bolts		
Head marked 8	9-14	6.5-10
Head marked 10	35-55	25-40
Front seat cushion to seat adjuster	17-26	12-19
Front seatback to seat cushion (Reclining adjuster side)	45-60	33-43
Front seatback to seat cushion	10-15	7-11
Rear seat leg bracket to body	9-14	6.5-10
Rear seatback to seat cushion	45-60	33-43
All seat belt tightening bolts	35-55	25-40

## SEALANTS AND ADHESIVES

N23CE--

Items	Specified sealants and adhesives	Quantity
Front fender and front shield	3M ART Part No. 8531 or No. 8646, or equivalent	As required
Front fender and splash shield	3M ART Part No. 8626 or 3M Adhesive EC-5310, or equivalent	As required
Windshield weatherstrip and windshield glass	3M ART Part No. 8001 or No. 8011, or equivalent	As required
Windshield weatherstrip and body flange	3M ART Part No. 8626 or 3M Adhesive EC-5310, or equivalent	As required
Quarter window weatherstrip and quarter window rear glass <2-door vehicles>	3M ART Part No. 8001 or No. 8011, or equivalent	As required
Quarter window weatherstrip and quarter window <4-door vehicles>	3M ART Part No. 8001 or No. 8011, or equivalent	As required
Quarter window weatherstrip and body flange	3M ART Part No. 8634, or equivalent	As required
Back door window weatherstrip and back door window glass	3M ART part No. 8001 or No. 8011, or equivalent	As required
Waterproof film	3M ART Part No. 8626 or 3M Adhesive EC-5310, or equivalnet	As required
Door window runchannel	3M Adhesive EC-870 or equivalent	As required
Door window runchannel and ventilator sash assembly	3M ART Part No. 8080 or 3M Adhesive EC-1368, or equivalent	As required
Ventilator window glass, ventilator sash and ventilator window pad	3M ART Part No. 8001 or No. 8011, or equivalent	As required
Ventilator sash assembly and ventilator window weatherstrip	3M ART Part No. 8080 or 3M Adhesive EC-1368, or equivalent	As required
Ventilator sash assembly and ventilator window weatherstrip	3M ART Part No. 8001 or No. 8011, or equivalent	As required
Back door opening weatherstrip and back door	3M ART Part No. 8626 or 3M Adhesive EC-5310, or equivalent	As required
Waterproof pad and fender	3M ART Part No. 8001 or No. 8011, or equivalent	As required
Headlining and roof panel	3M ART Part No. 8080 or 3M Adhesive EC-1368, or equivalent	As required
Sunroof rail end cover	3M ART Part No. 8531 or No. 8646 or 3M Adhesive EC-2153 or EC-5528, or equivalent	As required

## SPECIAL TOOL

N23DA--

Tool	Number	Name	Use
	MB990900-01	Door adjusting wrench	Adjustment of door fit

## TROUBLESHOOTING

### FRONT DOOR AND REAR DOOR

N23EAAS

Symptom	Probable cause	Remedy
Door glass fails to operate up and down	Dismount window glass regulator	Adjust
	Detached sash	Attach
	Broken sash	Replace
	Collapsed sash	Repair or replace
	Collapsed window glass regulator arm	Repair or replace
	Broken window glass regulator	Replace
Door glass operates up and down hardly	Improper window glass position	Adjust
	Collapsed sash	Repair or replace
	Collapsed window regulator arm	Repair or replace
	Broken window regulator handle	Replace

### BACK DOOR

Symptom	Probable cause	Remedy
Back door is "hard" when opened/closed; abnormal noise is heard from hinges	Improper grease on hinges	Apply chassis grease

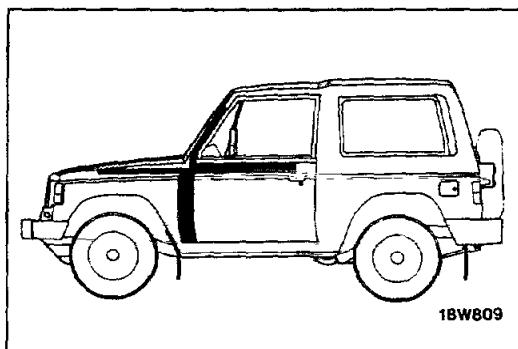
### SUNROOF

Symptom	Probable cause	Remedy
Water leaks into interior	Clogged drain	Clean
	Clogged drain pipe	Blow in air and remove dirt
	Drain pipe loose, broken, clip defective or cracked	Check pipe installation and flange contact Replace if required
	Cracked or worn roof lid weatherstrip	Check weatherstrip installation Replace if required
	Excess gap between roof lid and body, or inadequate weatherstrip contact	Correct housing assembly
Rushing sound	Loose or defective deflector	Tighten or replace

Symptom	Probable cause	Remedy
Abnormal noise when moving roof lid	Foreign objects engaged in guide rail	Remove foreign objects
	Loose guide rail or lid	Tighten
Despite motor rotation, lid does not move, or stops at non-specified position. [Specified position: about 200 mm (7.9 in.) when closed]	Foreign objects engaged in guide rail	Remove foreign objects
	Inadequate motor pinion and drive cable engagement (loose motor or damaged pinion)	Tighten or replace
	Decreased motor clutch slipping force	Check clutch slipping force Adjust
	Interference of drive cable, weatherstrip or others due to incorrect lid adjustment	Check roof lid installation and parts installation Measure lid contact resistance. Replace parts if required
	Incorrect limit switch adjustment position	Check and adjust
Abnormal noise from motor  NOTE *The clutch slipping sound in motor when fully open or closed is normal.	Incorrect motor pinion and drive cable engagement	Check pinion installation and motor installation
	Worn or defective motor pinion bearing	Replace motor
	Worn or defective drive cable	Replace

## WIND NOISES

Symptom	Probable cause	Remedy
Wind noise from around the door	Improper weatherstrip holding force	Adjust the door installation
	Weatherstrip improperly installed, or deteriorated	Repair or replace
	Door fails closing	Adjust
	Improper door position	Adjust
	Uneven clearance between door glass and runchannel	Adjust
	Deformation of the door	Repair or replace
Wind noise from back door	Improper weatherstrip holding force	Adjust the back door installation
	Weatherstrip improperly installed, or deteriorated	Repair or replace
	Uneven clearance between the body and back door	Adjust
	Deformation of the back door	Repair or replace

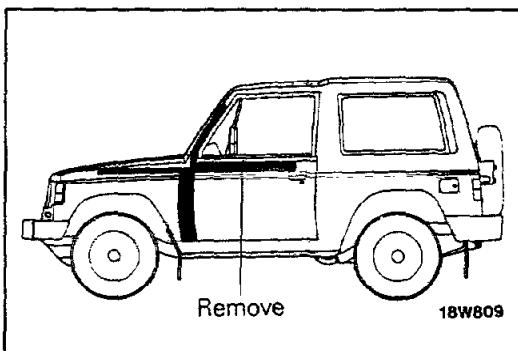


18W809

### HOW TO LOCATE WIND NOISES

(1) Attach cloth tape to every place which might conceivably be the source of wind noise, such as panel seams, projections, moulding seams, glass and body seams, etc.

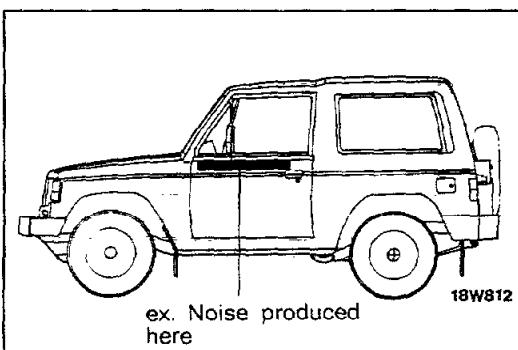
(2) Then make a road test in order to determine that the places not covered by tape are not sources of wind noise.



Remove

18W809

(3) Then remove the strips of tape one by one, making a road test after each is removed, until a wind noise source is discovered.

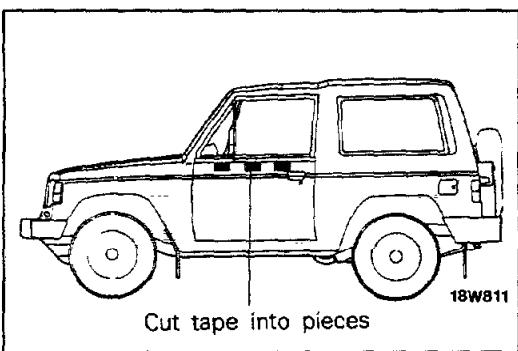


ex. Noise produced here

18W812

(4) When such a place is found, cover it again and continue with the procedure so as to determine if there are any other noise sources.

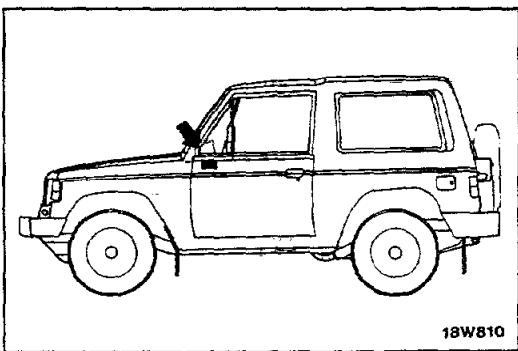
(5) If no others are found, the last remaining tape is the only source.



Cut tape into pieces

18W811

(6) Cut the remaining piece of tape into smaller pieces, attach it again as it was before, and then remove the pieces one by one in the same way so as to narrow down the source.



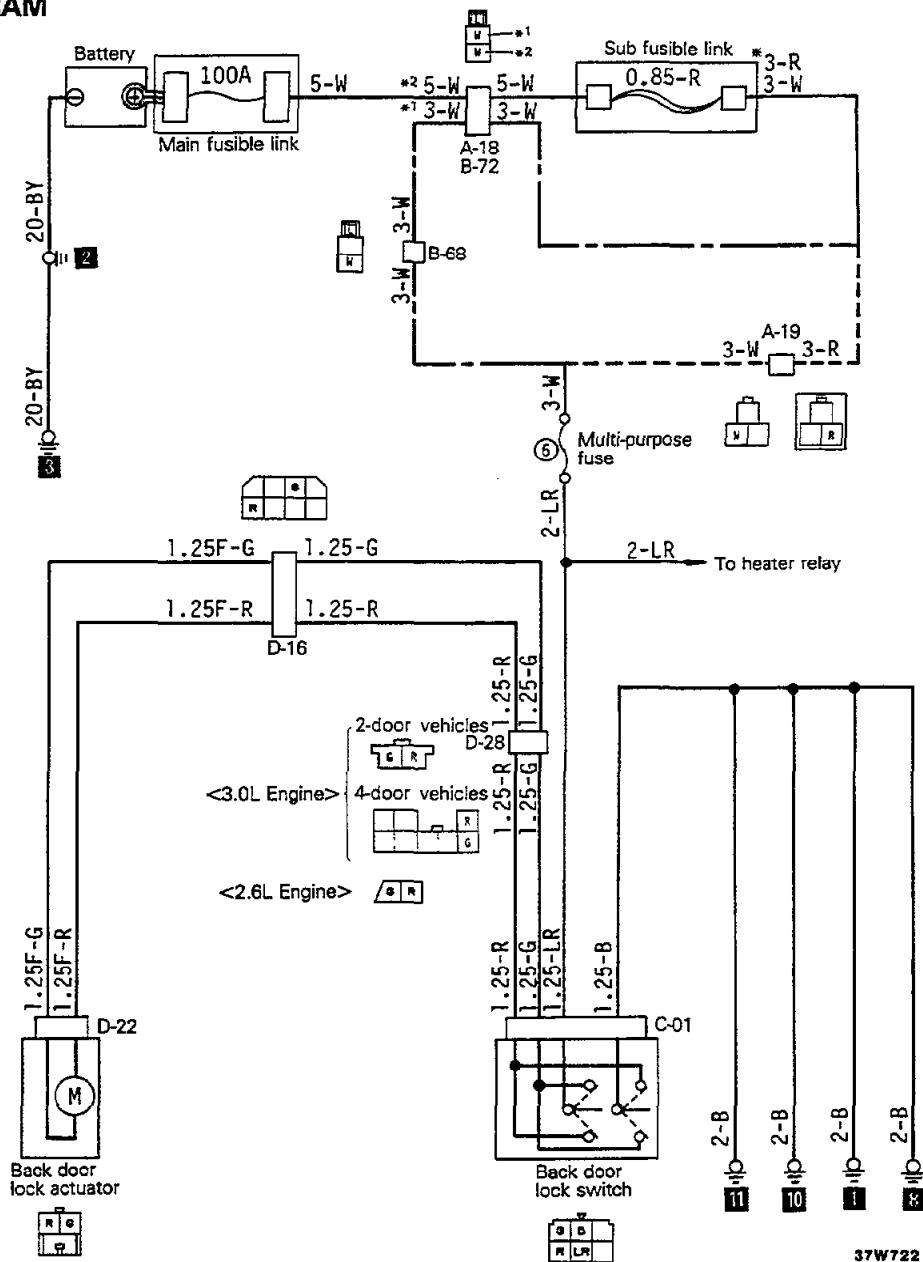
18W810

(7) Check to confirm that wind noise occurs when the last remaining tape is removed, and that noise does not occur when it is re-attached.

(8) When the source(s) of the wind noise is finally located, attach butyl tape, body sealer or similar material to obstruct this source as much as possible.

## BACK DOOR LOCKING SYSTEM

## CIRCUIT DIAGRAM



## Remarks

- (1) Broken lines and line indicated by the \* symbol are applicable to the 2.6-liter models.
- (2) The chain line (---) is applicable to 3.0-liter models.
- (3) For information concerning the ground points (example: ■), refer to GROUP 8 – Electrical System Parts Location.

Wire color code			
B: Black	Br: Brown	G: Green	
Gr: Gray	L: Blue	Lg: Light green	
Li: Light blue	O: Orange	P: Pink	
R: Red	Y: Yellow	W: White	

## OPERATION

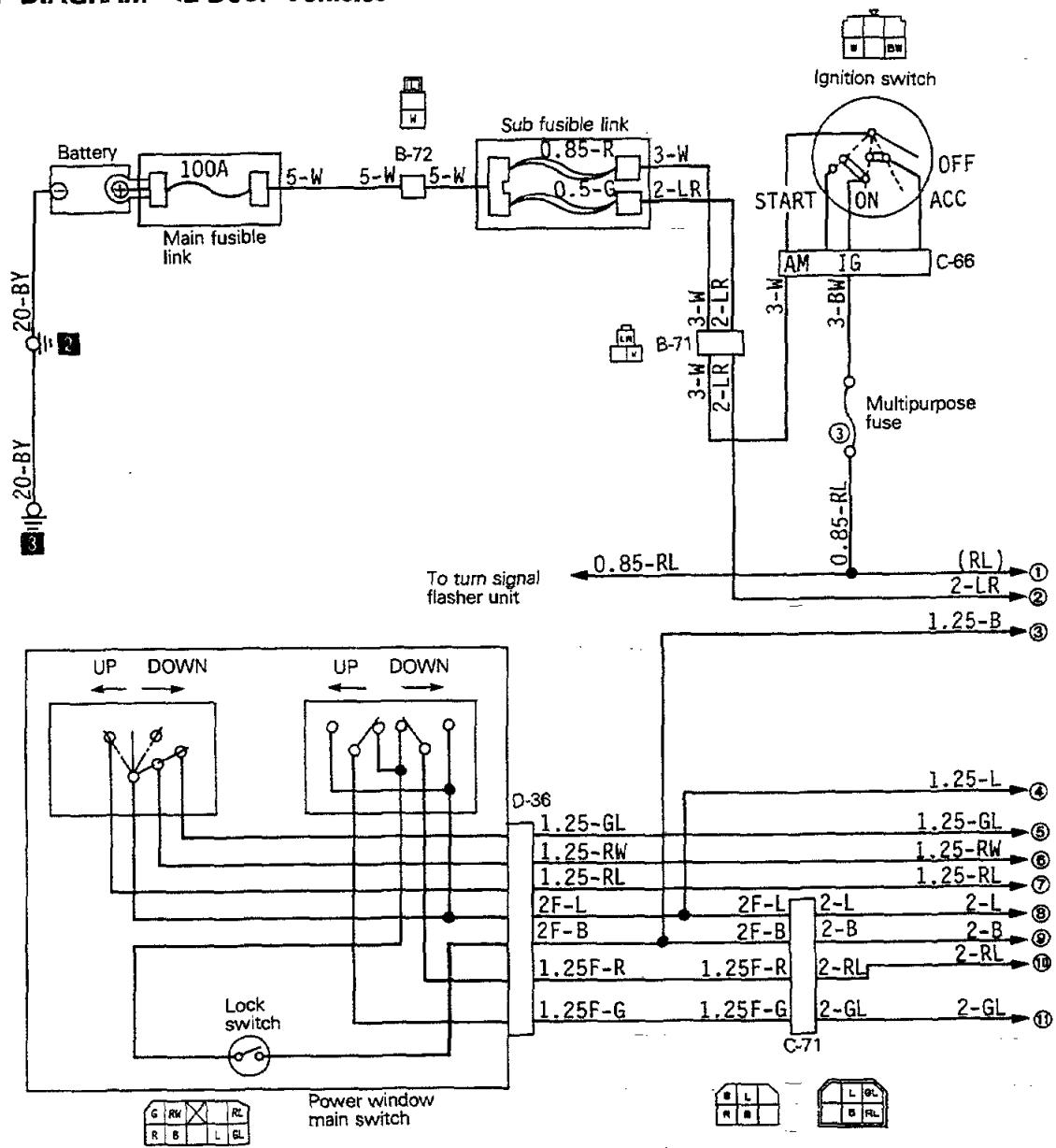
- Battery voltage is always available, through fuse No. 6, to the back door lock switch.
- When the back door lock switch is switched ON or OFF, current flows to fuse No. 6, the back door lock switch, the back door lock actuator, the back door lock switch, and ground; the back door lock actuator's motor is then activated, thus locking or unlocking the back door.

## TROUBLESHOOTING HINTS

1. Does not lock or unlock.
  - (1) The blower motor also does not operate.
    - Check the fuse.
  - (2) The blower motor operates.
    - Check the back door lock switch.
    - Check the back door lock actuator.

## POWER WINDOW

## CIRCUIT DIAGRAM &lt;2-Door Vehicles&gt;

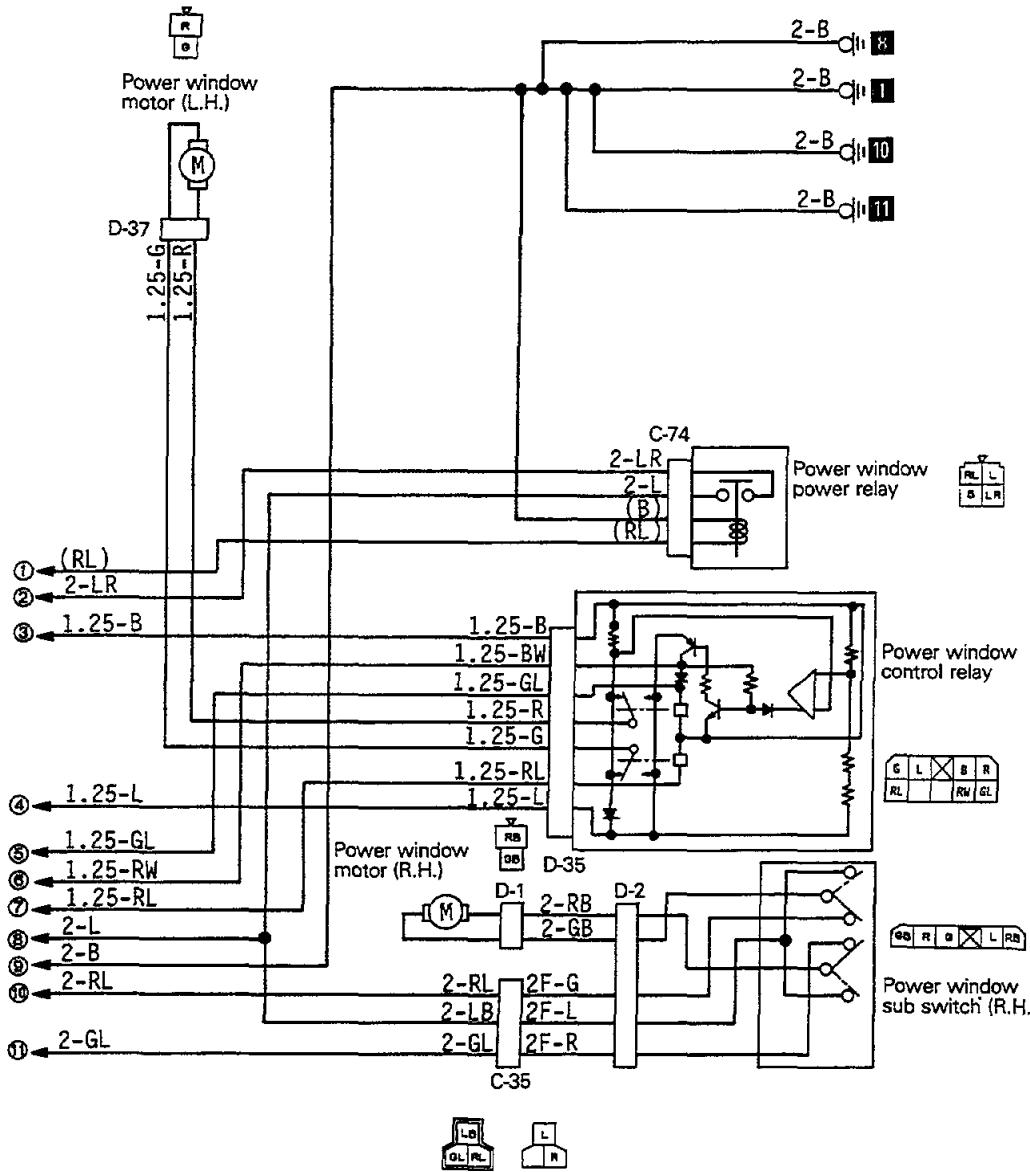


## Remarks

- (1) For information concerning the ground points (example: ■), refer to GROUP 8 – Electrical System Parts Location.
- (2) The symbols ①, ②, etc. indicate that the wiring is connected (using the same numerical symbol) to the facing page. (In other words, ① on the right page is connected to ① on the left page.)

## OPERATION

- When the ignition key is turned to the "ON" position, current flows to fuse No. 3, the power window relay (coil), and ground, thus causing the power window relay's points to close.
- When, in this condition, the power window switch is moved to the "UP" or "DOWN" position, current flows to the power window relay (points), the power window switch, the power window motor, the power window switch, and ground; the power window motor is then activated, opening or closing the door window glass.
- If, however, the power window main switch's lock switch is ON, the door window glass cannot be opened or closed by using the power window sub switch.



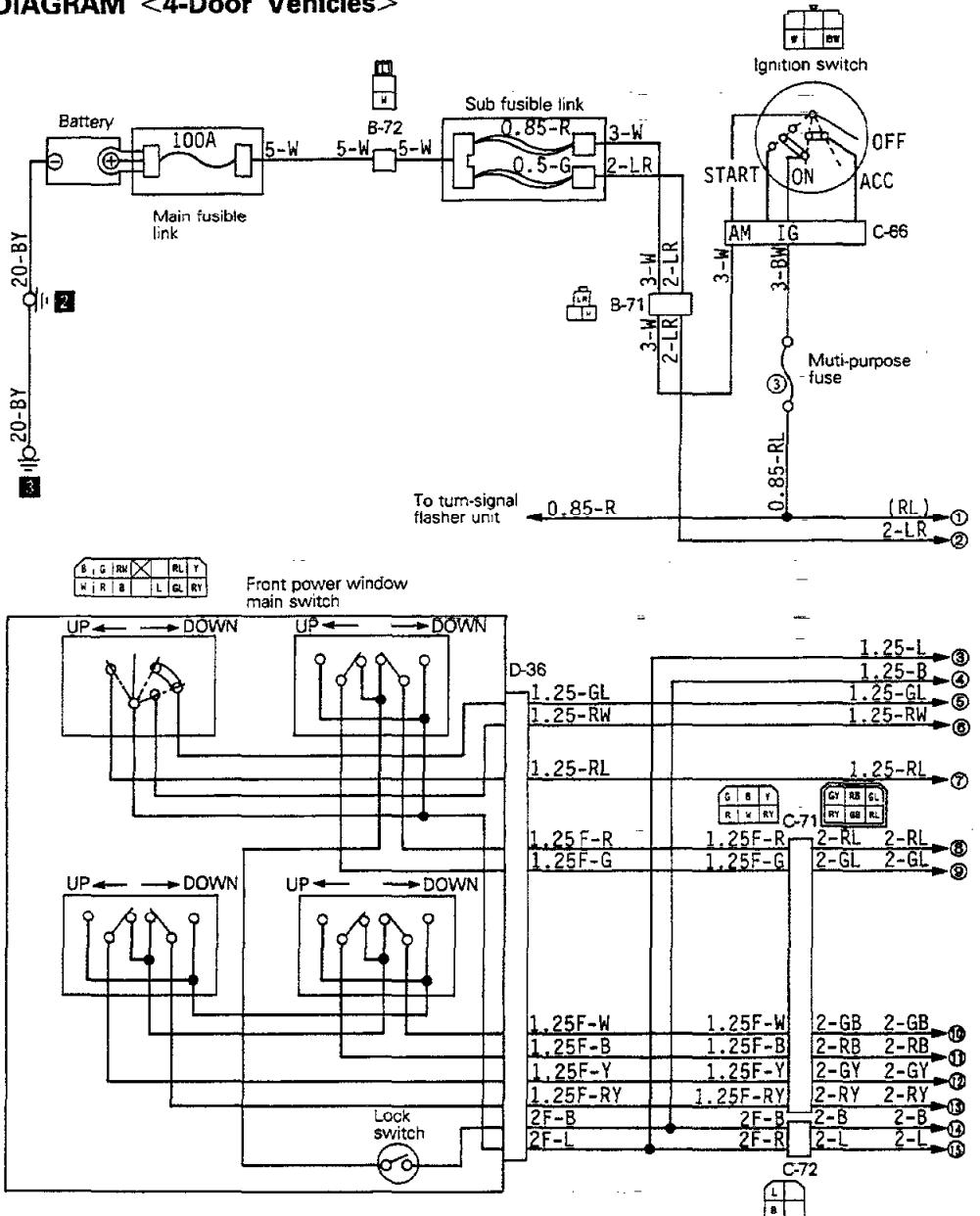
37W665

## TROUBLESHOOTING HINTS

1. Neither the left nor right door window glass can be opened.
  - (1) The turn signals also do not operate.
    - Check the fuse.
  - (2) The turn signals operate.
    - Check the power window relay.
    - Power window main switch.
    - Power window sub switch.

## POWER WINDOW

## CIRCUIT DIAGRAM <4-Door Vehicles>

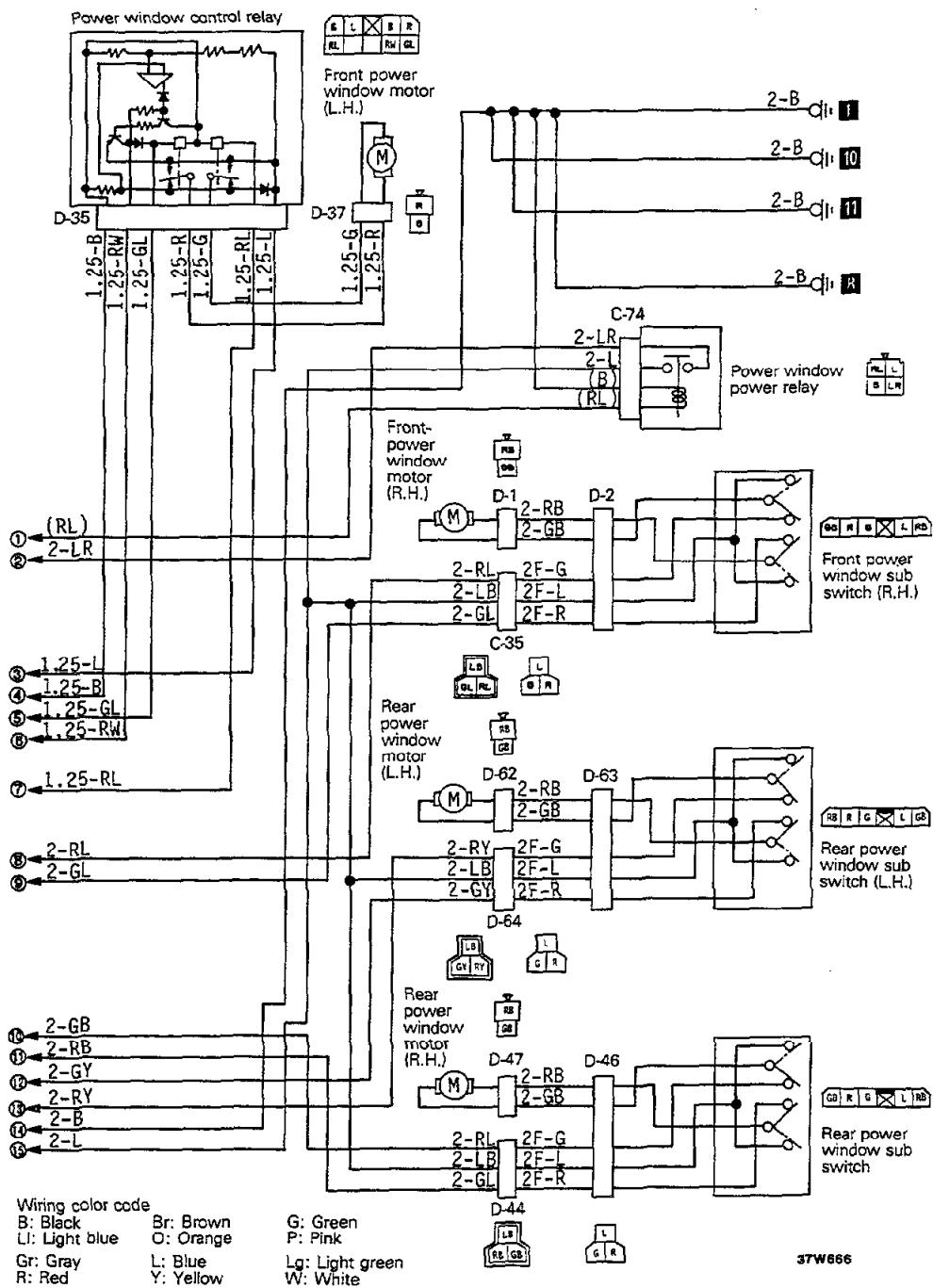


### Remarks

(1) For information concerning the ground points (example: 11), refer to GROUP 8 – Electrical System Parts Location.  
(2) The symbols ①, ②, etc. indicate that the wiring is connected (using the same numerical symbol) to the facing page.  
(In other words, ① on the right page is connected to ① on the left page.)

## **OPERATION**

- When the ignition key is turned to the "ON" position, current flows to fuse No. 3, the power window relay (coil), and ground, thus causing the power window relay's points to close.
- When, in this condition, the power window switch is moved to the "UP" or "DOWN" position, current flows to the power window relay (points), the power window switch, the power window motor, the power window switch, and ground; the power window motor is then activated, opening or closing the door window glass.
- If, however, the power window main switch's lock switch is ON, the door window glass cannot be opened or closed by using the power window sub switch.

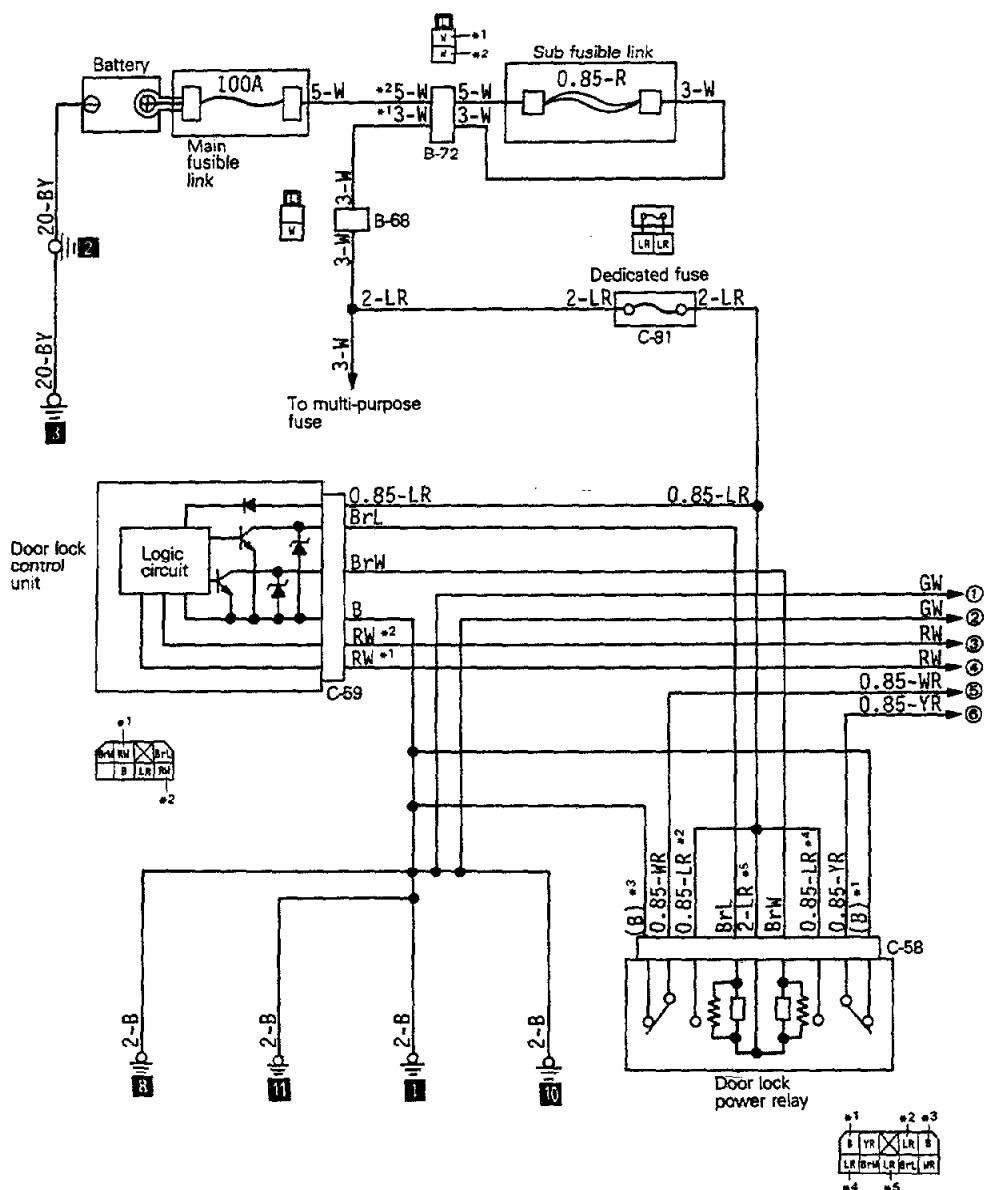


## TROUBLESHOOTING HINTS

1. Neither the left nor right door window glass can be opened.
  - (1) The turn signals also do not operate.
    - Check the fuse.
  - (2) The turn signals operate.
    - Check the power window relay.
    - Power window main switch.
    - Power window sub switch.

## CENTRAL LOCKING SYSTEM

## CIRCUIT DIAGRAM



## OPERATION

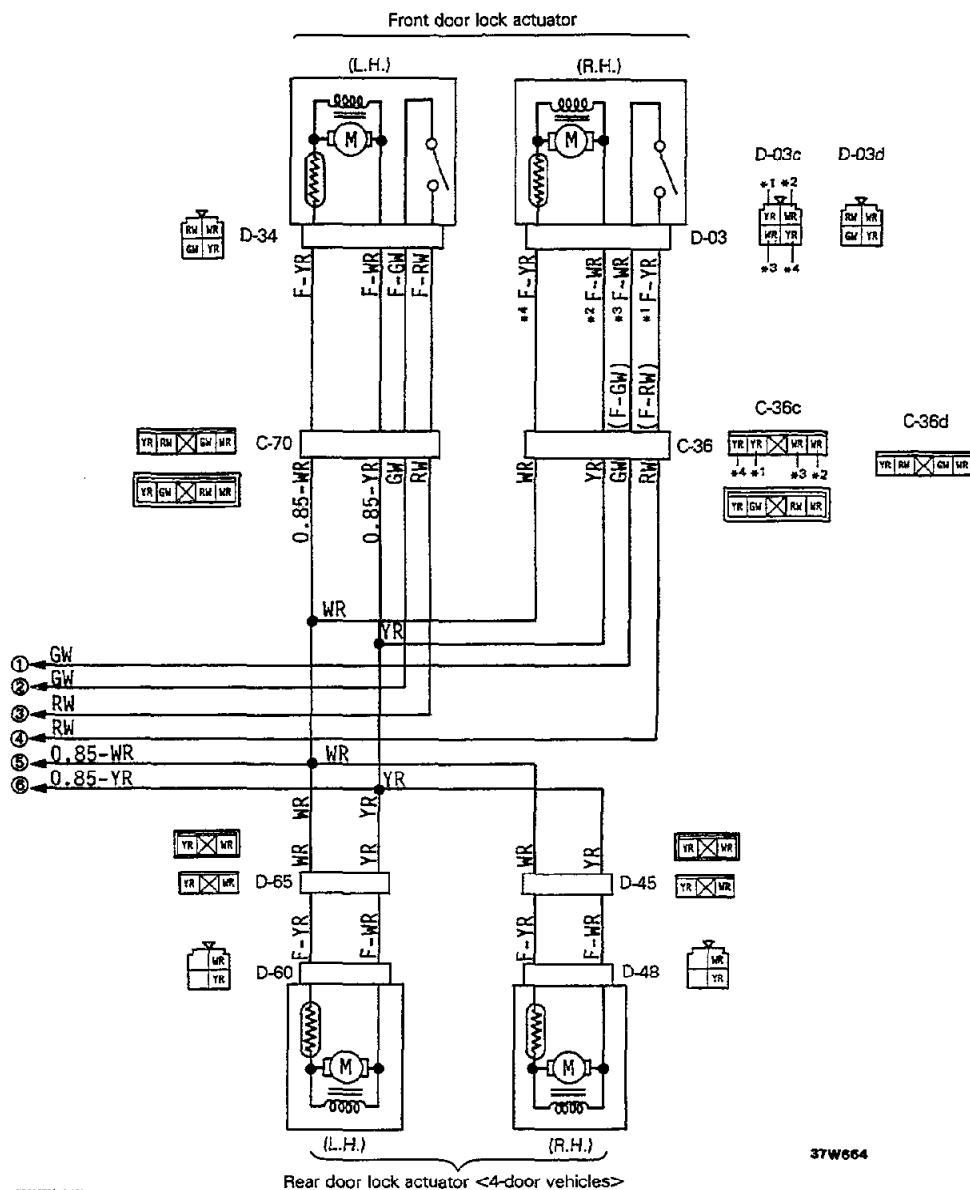
## &lt;UNLOCK&gt;

- Battery voltage is always applied, via dedicated fuse, to the door lock-control unit.
- When the front door is unlocked, the door lock switch incorporated within the door lock actuator is switched ON, and electricity flows to the door lock-control unit, the door lock switch, and ground.
- When this happens, electricity flows for 0.5 second to dedicated fuse, the door lock power relay (coil at UNLOCK side), the door lock-control unit, and ground, and the contacts at the UNLOCK side of the door lock power relay

- close.
- When this happens, electricity flows to the door lock power relay (contacts at UNLOCK side), the door lock actuators, the door lock power relay (contacts at LOCK side), and ground, and the door lock actuators are activated to open the doors.

## &lt;LOCK&gt;

- When the front door is locked, the door lock switch incorporated within the door lock actuator is switched OFF, and the ground circuit to



## remarks

- (1) For details on the ground point (No. 1 in the illustration), refer to GROUP 8 – Electrical System Parts Location.
- (2) In the illustration, the numbered wiring on the right hand page corresponds to the numbering on the left hand page.  
(① on the right hand page corresponds to ① on the left hand page, etc.)

## Wire color code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green
Li: Light blue	O: Orange	P: Pink	R: Red	Y: Yellow	W: White

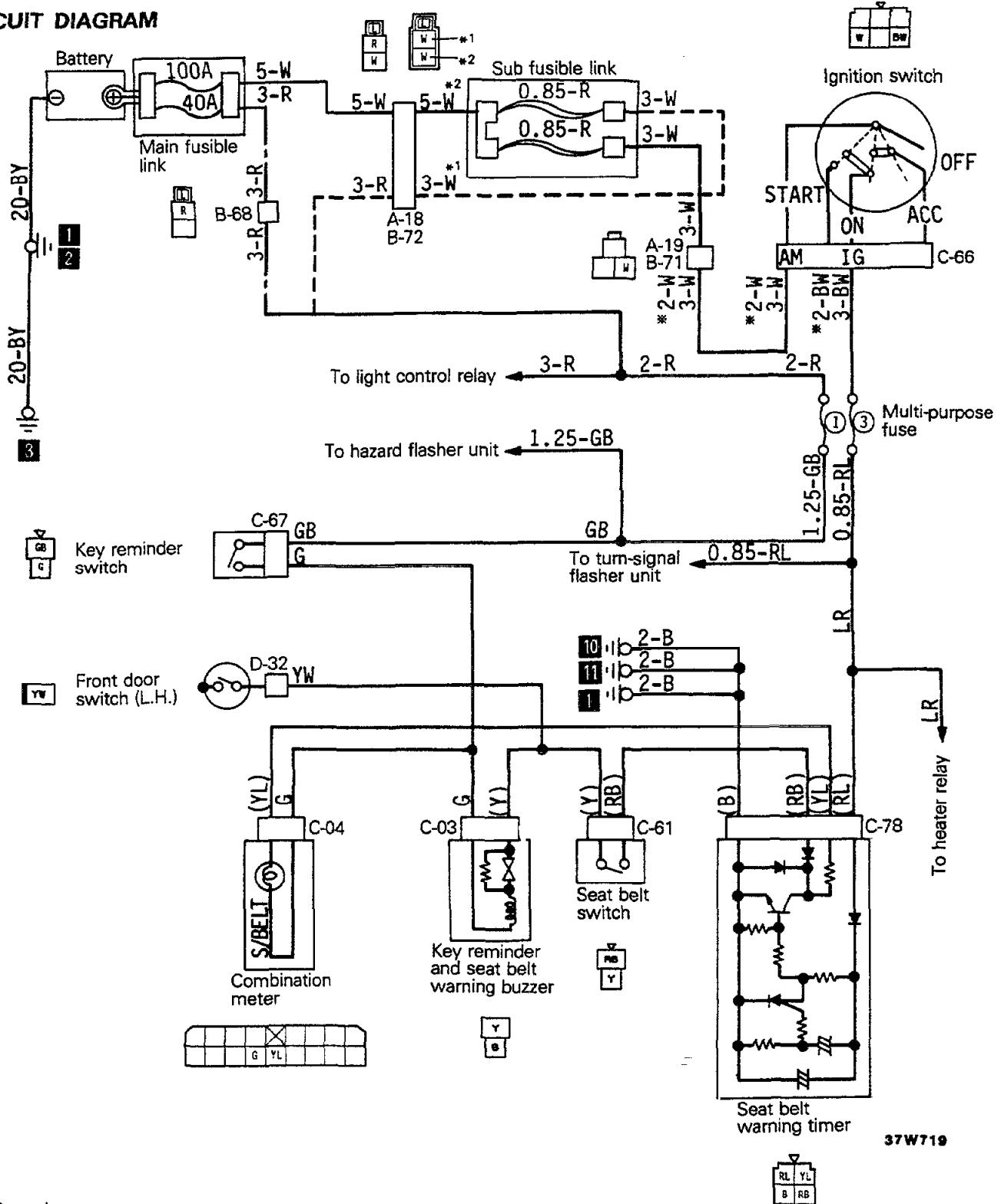
- the door lock-control unit is interrupted.
- When this happens, electricity flows for 0.5 second to dedicated fuse, the door lock power relay (coil at LOCK side), the door lock-control unit, and ground, and the contacts at the LOCK side of the door lock relay close.
- When this happens, electricity flows to the door lock power relay (contacts at LOCK side), the door lock actuators, the door lock power relay (contacts at UNLOCK side), and ground, and the door lock actuators are activated to lock the door.

## TROUBLESHOOTING HINTS

1. The door lock actuators do not function for either locking or unlocking.
  - (1) The back door lock also do not operate.
    - Check the fusible link.
  - (2) The back door lock operates.
    - Check the dedicated fuse.
    - Check the door lock-control unit.
2. The door lock actuators operate for either locking or unlocking only.
  - Check the door lock power relay.

## BUZZER

## CIRCUIT DIAGRAM



### Remarks

**NUMBERS**

(1) Broken lines and lines indicated by the \* symbol are applicable to the 2.6-liter models.

(2) The chain line (---) is applicable to 3.0-liter models.

(3) For information concerning the ground points (example: ), refer to GROUP 8 - Electrical System Parts Location.

## Wiring color code

B: Black

Br: Brown

G: Green

Gr: Gray

L: Blue

Lg: Light green

B: Black      Br: Brown  
L1: Light blue      O: Orange

G: Green  
P: Pink

Gr: Gray  
R: Red

L: Blue  
Y: Yellow

Lg: Light green  
W: White

**OPERATION****Key Reminder Warning**

- Battery voltage is always applied through fuse No. 1 to the key reminder switch.
- If the driver's door is opened while the key remains in the ignition switch, the door switch contacts close and current flows through fuse No. 1, key reminder switch, buzzer, door switch and ground, causing the buzzer to sound.

**Seat Belt Warning**

- When the ignition switch is at "ON", battery voltage through fuse No. 3 is applied to the seat belt warning timer.
- As a result, current flows through fuse No. 1, key reminder switch, seat belt warning light, seat belt warning timer and ground, causing the seat belt warning light to go on for four to eight seconds.
- If in this time the driver fails to fasten the seat belt, the seat belt switch contacts close, causing current to flow through fuse No. 1, key reminder switch, buzzer, seat belt switch, seat belt warning timer, and ground so that the buzzer sounds for four to eight seconds.
- Once the driver fastens the seat belt, the seat belt switch contacts open and the buzzer stops.

**TROUBLESHOOTING HINTS****Key Reminder Warning**

Key reminder buzzer does not sound

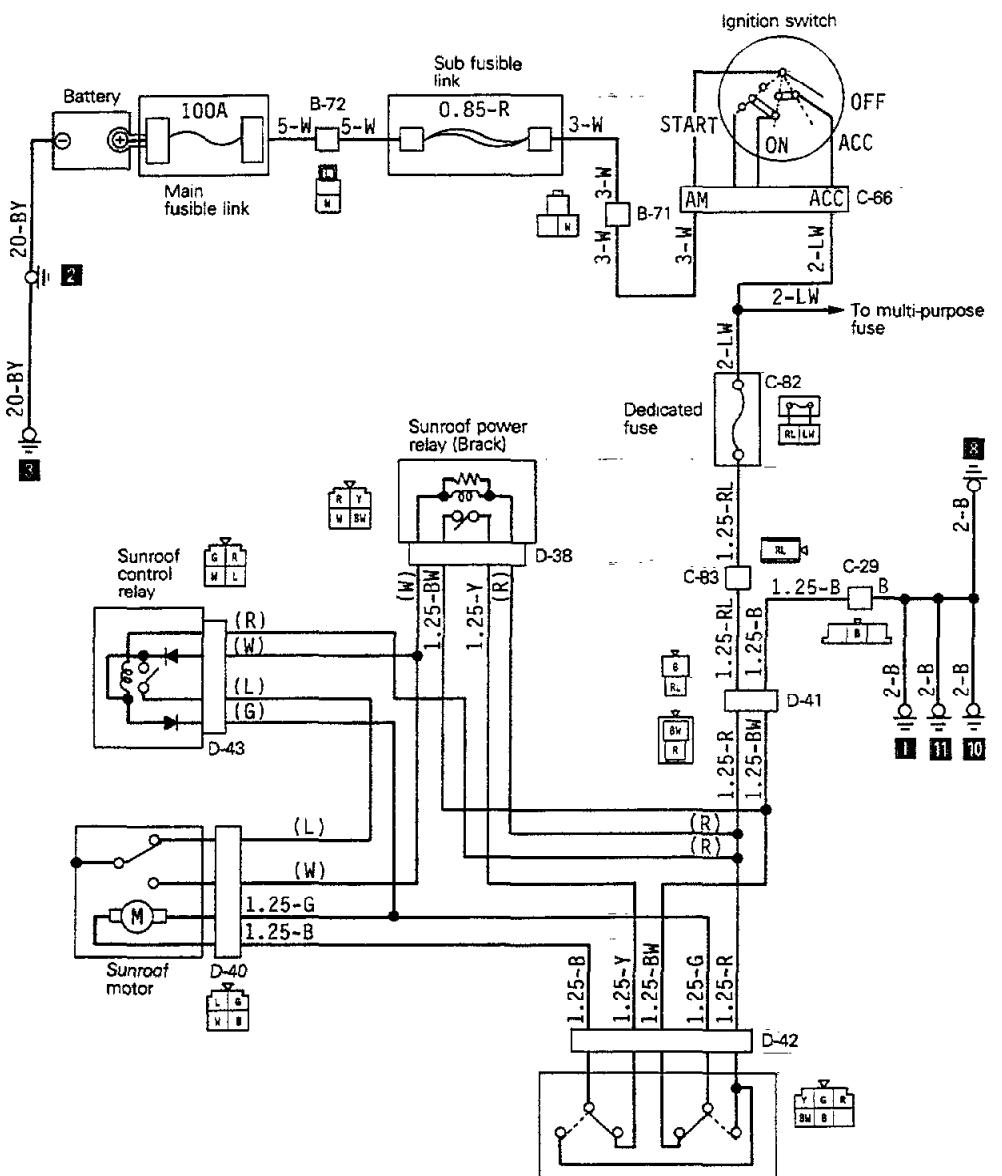
- 1) Seat belt warning buzzer sounds
  - Check door switch.
- 2) Seat belt warning buzzer also does not sound
  - Check buzzer.

**Seat Belt Warning**

1. Seat belt warning buzzer does not sound
  - 1) Seat belt warning light goes on
    - Check seat belt switch.
  - 2) Seat belt warning light does not go on, but key reminder buzzer is normal
    - Check seat belt warning timer.
  - 3) Seat belt warning light does not go on, and key reminder buzzer does not sound
    - Check key reminder switch.
2. Buzzer fails to stop sounding after driver's seat belt is fastened
  - Check seat belt switch.
3. Seat belt warning light does not go on, but buzzer sounds
  - Check bulb.

## SUNROOF

### CIRCUIT DIAGRAM

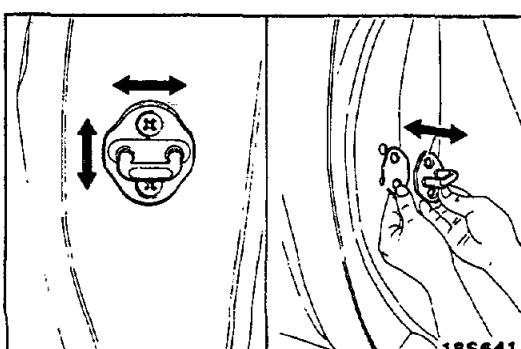
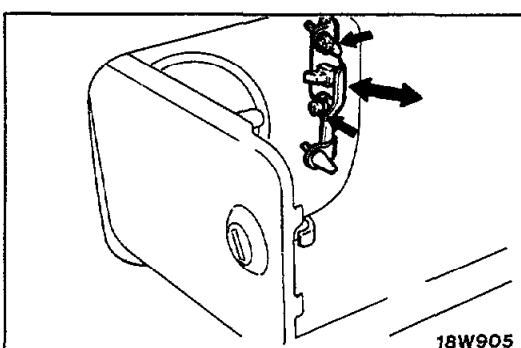
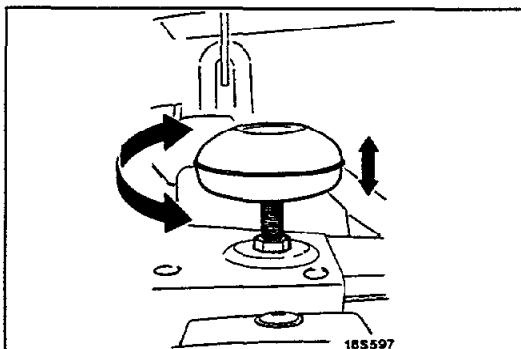
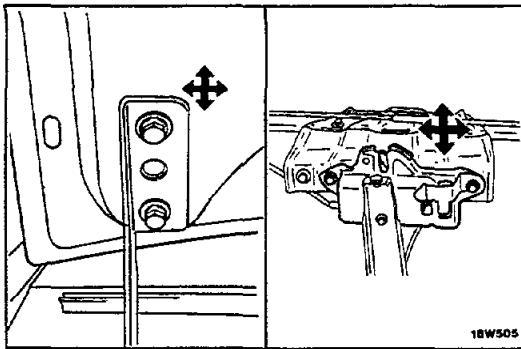


#### Wiring color code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green
Li: Light blue	O: Orange	P: Pink	R: Red	Y: Yellow	W: White

## OPERATION

- When, with the ignition key at the "ACC" or "ON" position, the sunroof switch is set to the "OPEN" position, electricity flows to dedicated fuse, the sunroof switch, the sunroof motor, the sunroof switch, and ground, and the sunroof opens.
- When the sunroof switch is set to the "SHUT" position, the process is the reverse of that for "OPEN"; electricity flows to the sunroof motor, and the sunroof closes.



## SERVICE ADJUSTMENT PROCEDURES

### HOOD FIT ADJUSTMENT

N23FAACb

1. Adjust the fit of hood with the hood adjusting bolts, hood latch adjusting bolts and hood bumper while they are installed. Loosen the hood adjusting bolts and adjust the hood laterally with reference to the hood latch.
2. After lateral adjustment of hood, adjust the hood vertically with the hood adjusting bolts and hood latch adjusting bolts. Make sure that the hood hook is properly engaged with the hood latch.

#### NOTE

Apply multipurpose grease to the sliding portion, the rotating portion and the spring of the hood latch.

3. Turn the hood bumper and adjust the vertical position of the hood by adjusting the hood bumper either up or down.

### FUEL FILLER DOOR HOOK FIT ADJUSTMENT

N23FDABa

Loosen the fuel filler door hook mounting screws and move the fuel filler door hook to the left and right so that the door is flush with the body.

### DOOR INSTALLATION ADJUSTMENT

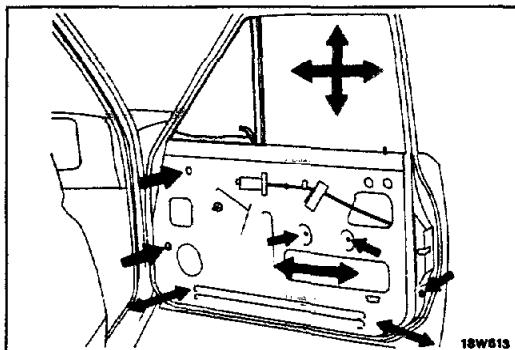
N23FEACa

1. Use the special tool to loosen the hinge mounting bolts on the body side, and then adjust so that the clearance around the door is uniform on all sides.

#### Caution

Attach protection tape to the fender edges near the place where the hinge is installed.

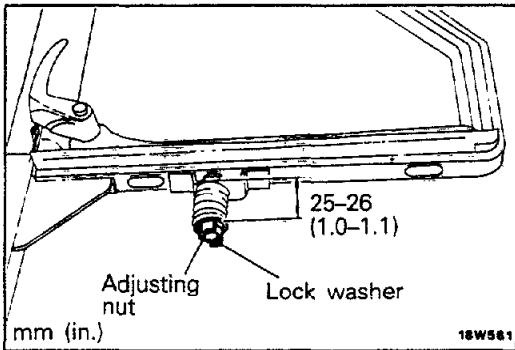
2. At the facing surface of the front fender and door panel, loosen the installation bolts at the door side, and then adjust by increasing or decreasing the number of shims.
3. At the facing surfaces of the door and rear pillar outer panel, adjust by loosening the striker installation screws.
4. Adjust the engagement of the striker and door latch by increasing or decreasing the number of striker shims, and/or by moving the striker.



### FRONT DOOR GLASS ADJUSTMENT

N23FFABb

1. Remove the door trim and waterproof film. (Refer to P.23-36.)
2. Raise the door glass fully, and then adjust the following items so that the door glass fits evenly into the window glass runchannel all the way around.  
Loosen the screws and/or bolts securing the window and rear lower sash.  
Move the window, rear lower sash and the sub roller guide (vehicles without ventilator window) of the window regulator to adjust the door glass position.



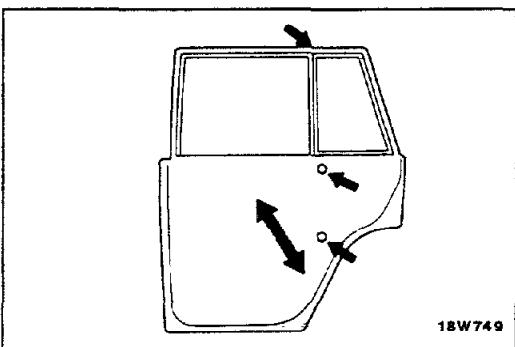
### VENTILATOR WINDOW ADJUSTMENT

N23FJAAa

1. Remove the door trim and waterproof film. (Refer to P.23-36.)
2. Remove the ventilator window. (Refer to P.23-39.)
3. Adjust the ventilator window by turning the adjusting nut so that the ventilator window can be operated smoothly.

#### NOTE

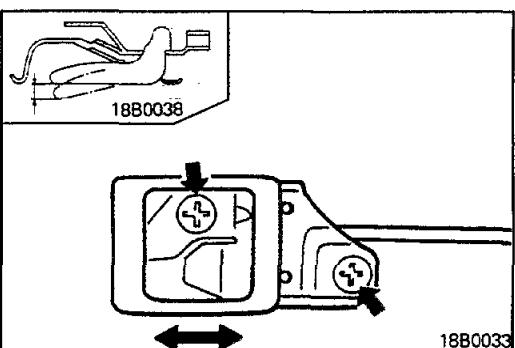
Fix the adjusting nut by bending the lock washer after the adjustment.



### REAR DOOR GLASS ADJUSTMENT

N23FFBE

1. Remove the door trim and waterproof film. (Refer to P.23-36.)
2. Raise the door glass fully, and then adjust the following items so that the door glass fits evenly into the window glass runchannel all the way around:
  - (1) Loosen the screw and/or bolts securing the window center sash.
  - (2) Move the window center sash to adjust the door glass position.

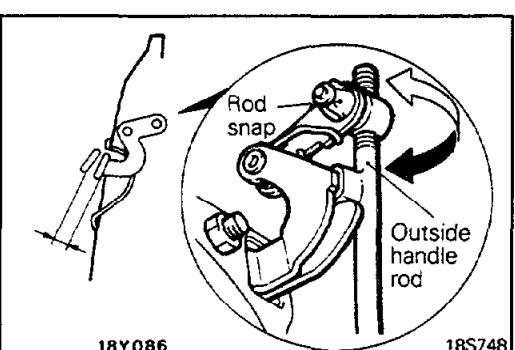


### INSIDE HANDLE ADJUSTMENT

N23FGABa

1. Remove the door trim and waterproof film. (Refer to P.23-36.)
2. Move the mounting position of the inside handle longitudinally in order to adjust the play of the inside handle.

**Standard value : 4-10 mm (.16-.40 in.)**



### OUTSIDE HANDLE ADJUSTMENT

N23FHAI

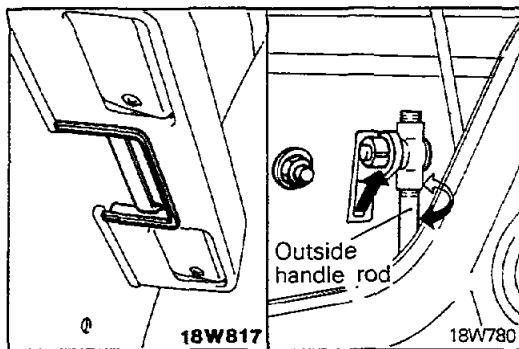
#### FRONT DOOR AND REAR DOOR

1. Remove the door trim and waterproof film. (Refer to P.23-36.)
2. Disconnect the outside handle from the outside handle rod, and turn it right to left to adjust the outside handle play.

#### Caution

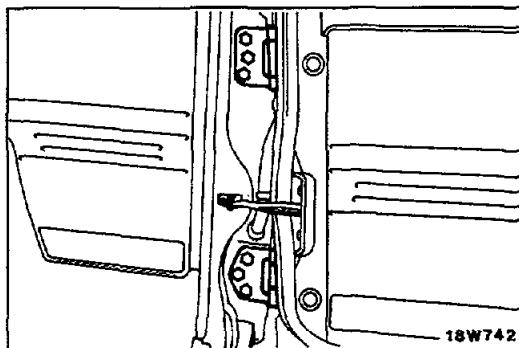
**The rod snap must be replaced.**

**Standard value : 3-8 mm (.12-.31 in.)**

**BACK DOOR**

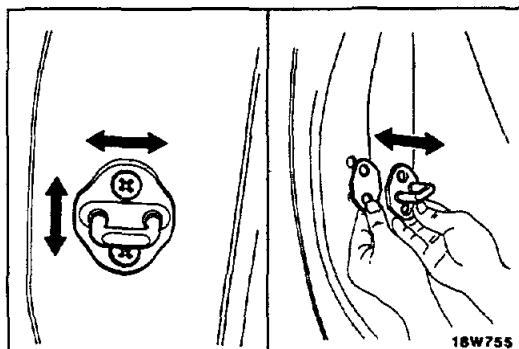
1. Remove the back door trim and waterproof film. (Refer to P.23-56.)
2. Disconnect the outside handle from the outside handle rod, and turn it right to left to adjust the outside handle play.

**Standard value : 5–10 mm (.20–.40 in.)**

**BACK DOOR INSTALLATION ADJUSTMENT**

N23FCABA

- (1) To loosen the hinge mounting bolts on the body side, and then adjust so that the clearance around the back door is uniform on all sides.
- (2) At the facing surface of the right side quarter panel and the back door, adjust by loosening the installation bolts.



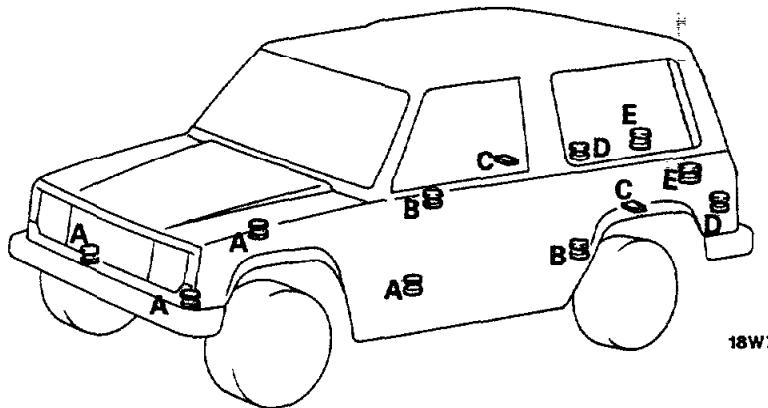
- (3) At the facing surface of the left side quarter panel and back door, adjust by loosening the striker installation screws.
- (4) Adjust the engagement of the striker and the back door latch by increasing or decreasing the number of striker shims, and/or by moving the striker.

## BODY MOUNTING

## REMOVAL AND INSTALLATION

&lt;2-door vehicles&gt;

N23GAAE



18W747

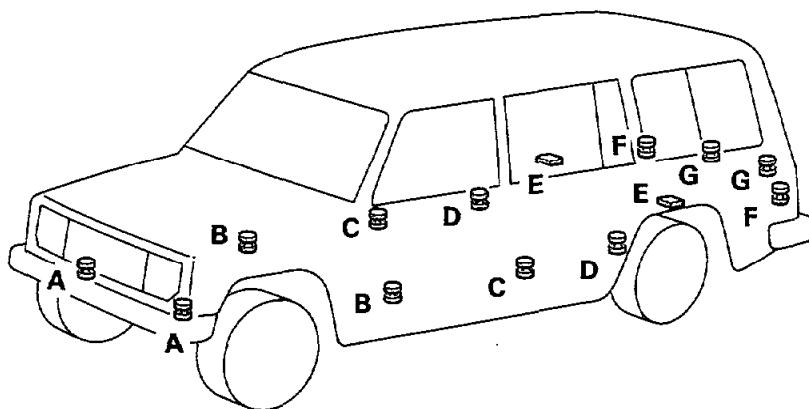
1. Special bolt
2. Plain washer
3. Body mounting rubber (A)
4. Spacer
5. Body mounting rubber (B)
6. Washer
7. Self locking nut
8. Body shim
9. Mounting bolt

## NOTE

N :Non-reusable parts

A	B	C	D	E
<p>28-32Nm 20-23ft.lbs.</p>	<p>28-32Nm 20-23ft.lbs.</p>		<p>28-32Nm 20-23ft.lbs.</p>	<p>28-32Nm 20-23ft.lbs.</p>

&lt;4-door vehicles&gt;

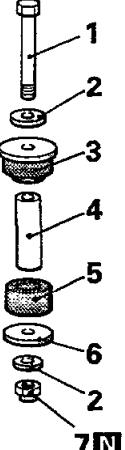
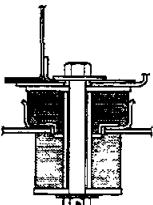
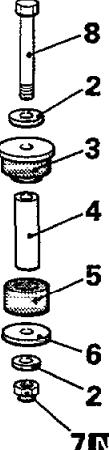
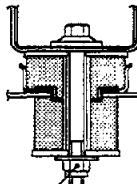
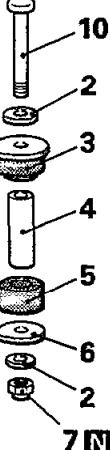
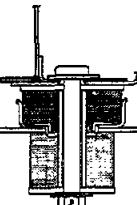
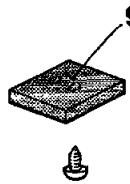
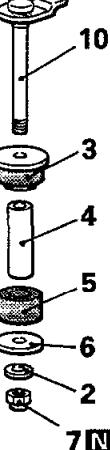
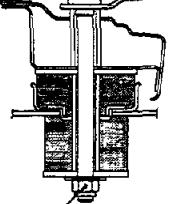
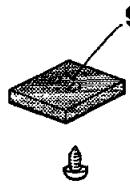


18W073

1. Bolt
2. Plain washer
3. Body mounting rubber (A)
4. Spacer
5. Body mounting rubber (B)
6. Washer
7. Self locking nut
8. Special bolt
9. Body shim
10. Mounting bolt

## NOTE

■ : Non-reusable parts

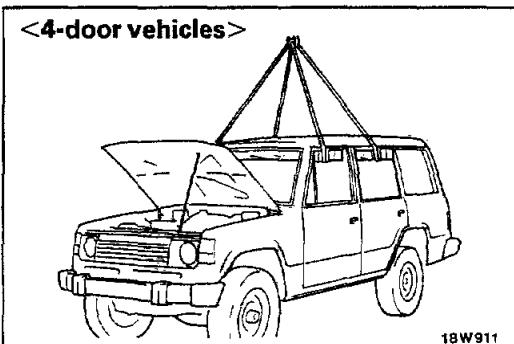
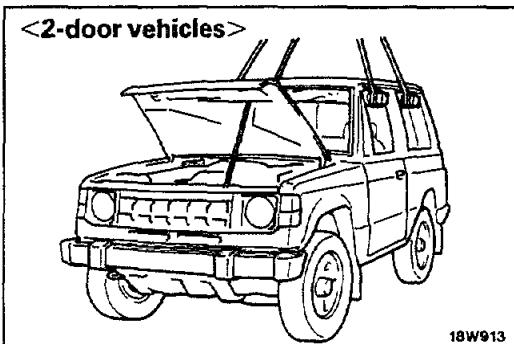
A	B,C	D,F	E	G
  <b>28-32 Nm 20-23 ft.lbs.</b>	  <b>28-32 Nm 20-23 ft.lbs.</b>	  <b>28-32 Nm 20-23 ft.lbs.</b>		  <b>28-32 Nm 20-23 ft.lbs.</b>
				

18W634  
18W635

## REMOVAL

(1) Remove or disconnect the following parts:

- Air cleaner
- Accelerator cable
- Brake booster vacuum hose
- Automatic transmission oil cooler hoses
- Radiator assembly
- Heater hoses
- Steering shaft joint
- Power steering oil reservoir assembly and body connection <3.0L Engine>
- Vacuum hoses
- Fuel main hose <3.0L Engine>
- Fuel return hose <3.0L Engine>
- Vapor hoses
- Air conditioner compressor and lines connection
- Air conditioner compressor connector
- Brake tube and brake hose connection
- Brake tube and blend proportioning valve connection <2.6L Engine>
- Brake tube and connector assembly connection <3.0L Engine>
- Hydraulic clutch hose
- Battery cable (+) and starter motor connection
- Battery cable (–) and engine connection
- Alternator connectors
- Engine ground (on body side)
- Engine coolant temperature gauge unit connector
- Engine coolant temperature sensor
- Thermo switch connector <Automatic transmission>
- Thermo switch connector for air conditioner
- Oil pressure gauge unit connector
- Oxygen sensor connector
- Distributor connector
- Carburetor control wiring harness and control wiring harness connection <2.6L Engine>



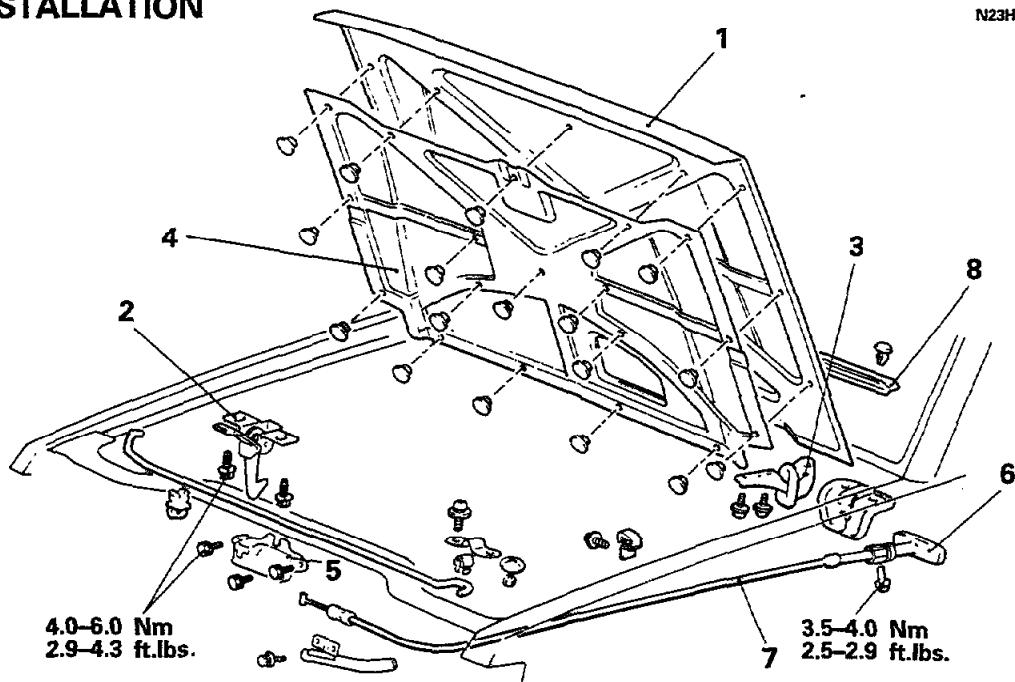
- High-tension cable <2.6L Engine>
- Air conditioner vacuum solenoid valve connector <2.6L Engine>
- Engine control wiring harness and control wiring harness connection <3.0L Engine>
- Ignition coil connector <3.0L Engine>
- Power transistor connector <3.0L Engine>
- LC filter connectors <3.0L Engine>
- Noise suppression capacitor <3.0L Engine>
- Exhaust gas recirculation (EGR) valve connector <3.0L Engine>
- Idle speed control motor connector <3.0L Engine>
- Throttle position sensor connector <3.0L Engine>
- Transmission shift lever knob <Manual transmission>
- Transmission control rod (B) <Automatic transmission>
- Transfer shift lever knob
- Front and rear seats
- Parking brake cables
- Fuel pipe and body connection <2.6L Engine>
- Speedometer cable (transmission side)
- Fuel filler hose
- Breather hose
- 4WD indicator wiring harness and transmission wiring harness connection
- Rear combination light connector
- Rear side marker light connector
- Frame wiring harness and back door wiring harness connection
- Frame wiring harness and side wiring harness connection <4-door vehicles>
- Frame wiring harness and front wiring harness connection
- Rear air conditioner liquid line <4-door vehicles>
- Rear air conditioner suction line <4-door vehicles>
- Door opening trim

(2) After removing the body mounting bolts and the body shims, insert wood blocks into the body and gently lift with a crane.

## Caution

**Hoist the body carefully after assuring that all the connections between body and frame and engine are separated.**

**Sling wires with a suitable bar or frame used and with good protection made by fitting coverings at necessary points.**

**HOOD****REMOVAL AND INSTALLATION**N23HAAK<sub>a</sub>**Hood removal steps**

- 1. Hood
- 2. Hood hook
- 3. Hood hinge
- 4. Hood insulator

18W731

**Hood latch release cable removal steps**

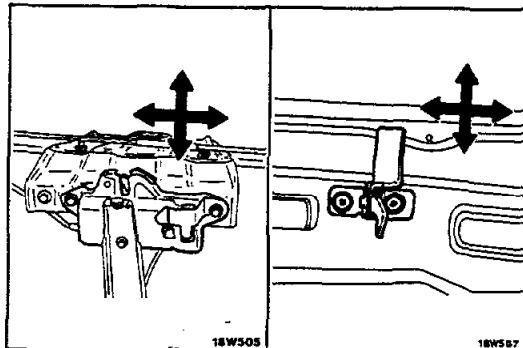
- 5. Hood latch
- 6. Hood latch release handle
- 7. Hood latch release cable

**Hood rear weatherstrip removal**

- 8. Hood rear weatherstrip

**NOTE**

- (1) Reverse the removal procedures to reinstall.
- (2) ► : Refer to "Service Points of Installation".

**SERVICE POINTS OF INSTALLATION****5. ADJUSTMENT OF HOOD LATCH / 2. HOOD HOOK**

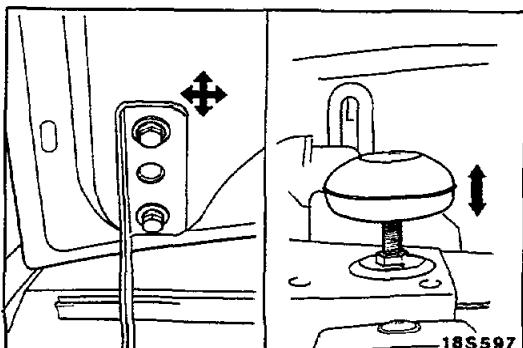
- (1) Loosen the hood latch and hood catch stay attaching bolts.
- (2) Adjust the position of the hood latch and hood hook to align the lock with the hook.

**NOTE**

Apply multipurpose grease to the sliding portion, the rotating portion of the hood hook and hood latch.

**1. ADJUSTMENT OF HOOD**

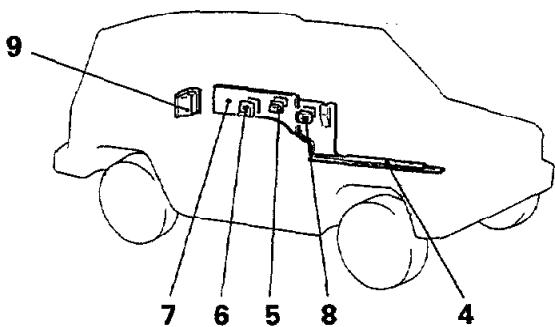
- (1) Adjust the longitudinal and lateral positions of the hood by utilizing the oblong holes in the hinge.
- (2) Adjust the vertical position of the hood by adjusting the hood bumper either up or down.



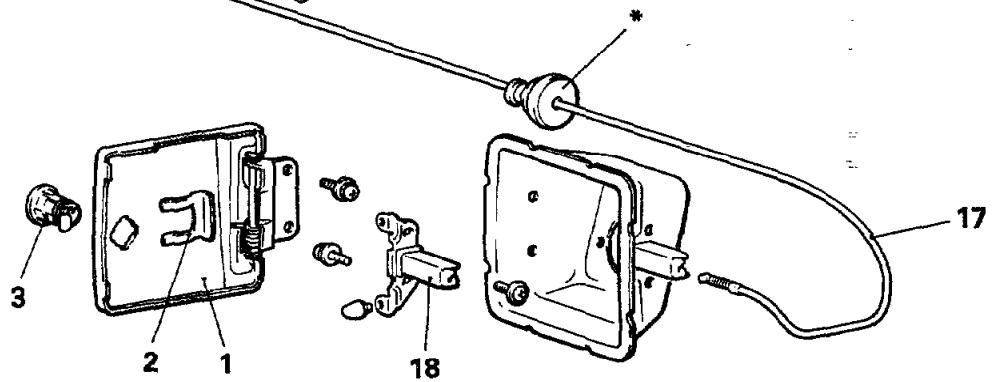
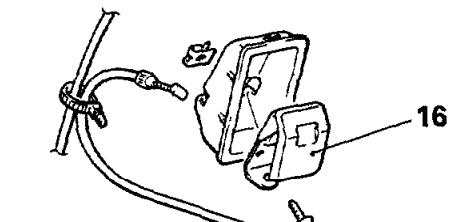
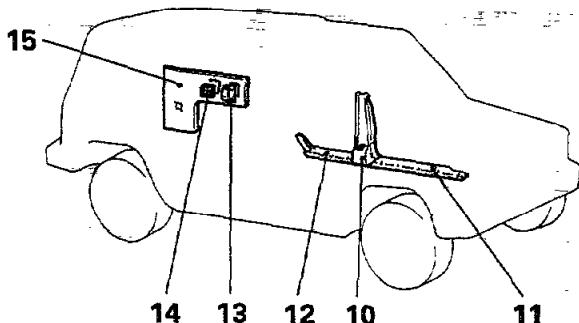
## FUEL FILLER DOOR REMOVAL AND INSTALLATION

N23JAAD

&lt;2-door vehicles&gt;



&lt;4-door vehicles&gt;



18W910

### Fuel filler door panel

- ◀ 1. Fuel filler door panel

### Lock cylinder assembly removal steps

2. Cylinder lock retainer
3. Lock cylinder assembly

### Fuel filler door lock release cable removal steps

#### <2-door vehicles>

4. Front scuff plate (L.H.)
5. Ashtray
6. Retractor cover
7. Quarter trim (L.H.)
8. Center pillar trim (L.H.)
9. Rear combination light (L.H.)
16. Lock release handle
- ◀ 17. Fuel filler door lock release cable

#### <4-door vehicles>

10. Center pillar trim (L.H.)
11. Front rail cover (L.H.)
12. Rear rail cover (L.H.)
13. Retractor cover (L.H.)
14. Speaker (L.H.)

15. Quarter trim (L.H.)

16. Lock release handle

- ◀ 17. Fuel filler door lock release cable

### Fuel filler door hook removal steps

#### <2-door vehicles>

9. Rear combination light (L.H.)

17. Fuel filler door lock release cable connection

- ◀ 18. Fuel filler door hook

#### <4-door vehicles>

13. Retractor cover (L.H.)

14. Speaker (L.H.)

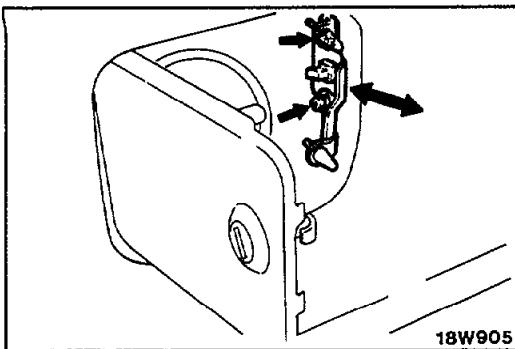
15. Quarter trim (L.H.)

17. Fuel filler door lock release cable connection

- ◀ 18. Fuel filler door hook

### NOTE

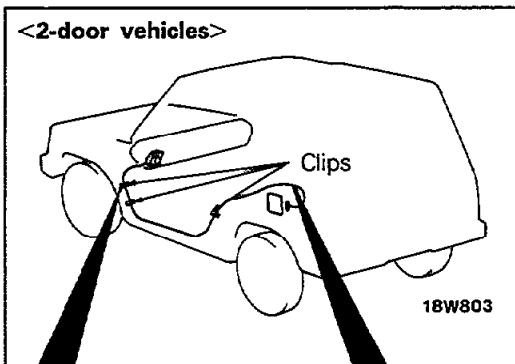
- (1) Reverse the removal procedures to reinstall.
- (2) ►◀ : Refer to "Service Points of Installation".
- (3) \*: 2-door vehicles



## SERVICE POINTS OF INSTALLATION

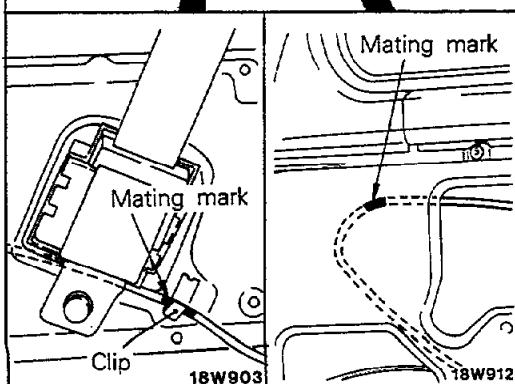
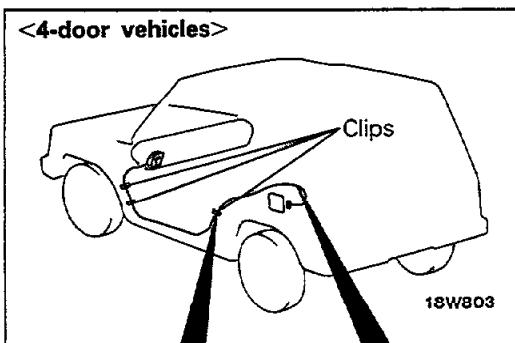
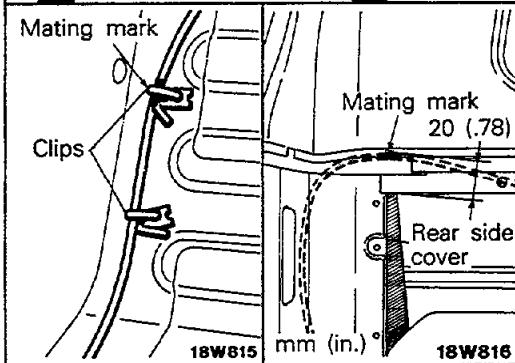
### 18. ADJUSTMENT OF FUEL FILLER DOOR HOOK

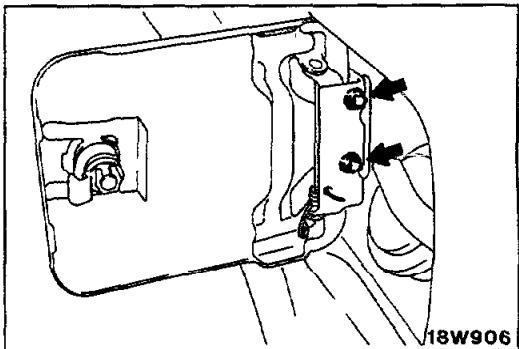
Loosen the fuel filler door hook mounting screws and move the fuel filler door hook to the left and right so that the door is flush with the body.



### 17. INSTALLATION OF FUEL FILLER DOOR LOCK RELEASE CABLE

Install so that the installation position mating mark (yellow paint) on the release cable is aligned with the position shown in the figure.





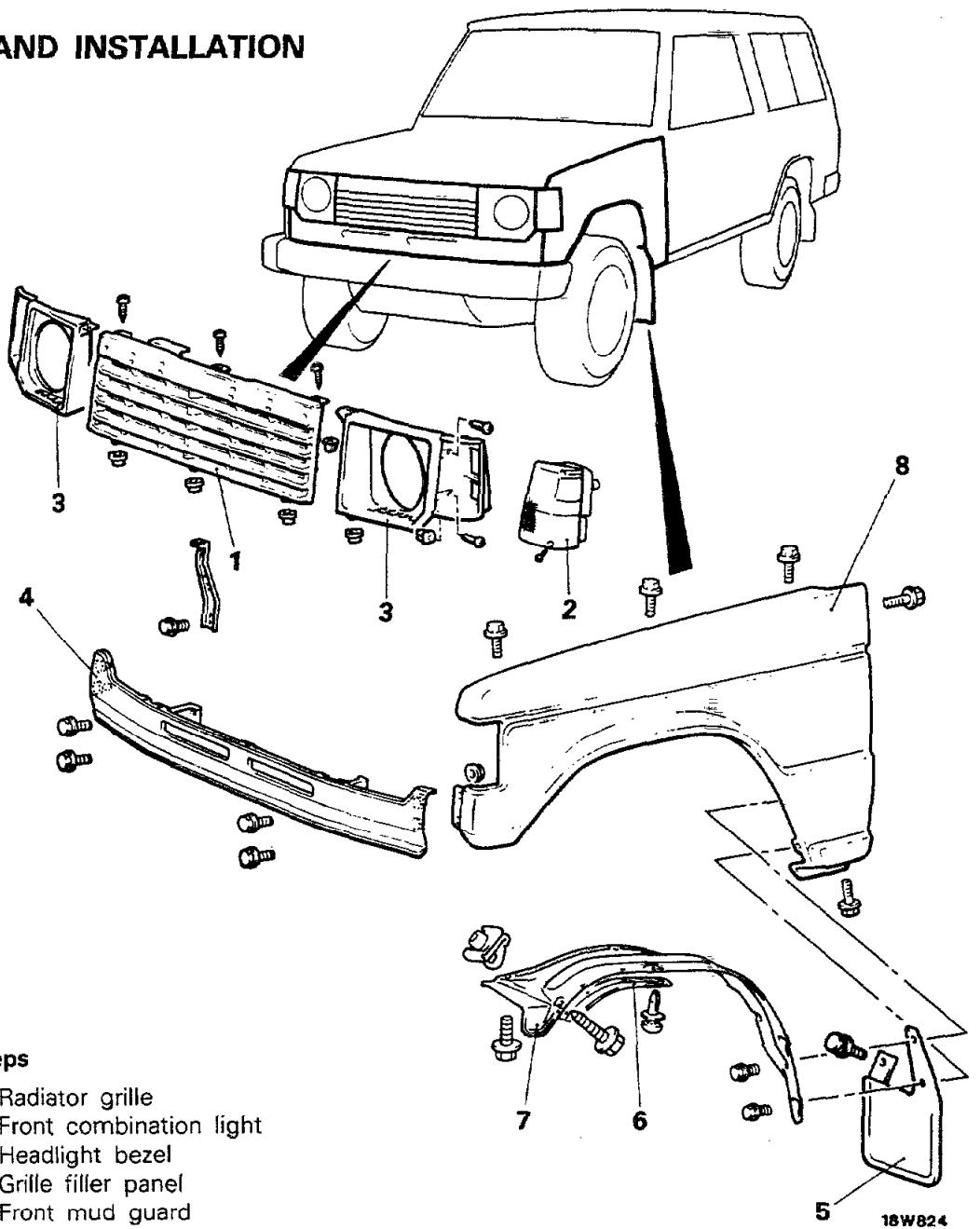
### 1. ADJUSTMENT OF FUEL FILLER DOOR PANEL

Loosen the fuel filler door mounting screws and adjust so that the upper and lower clearances are equal and the door is flush with the body.

## FENDERS

### REMOVAL AND INSTALLATION

N23KAAE

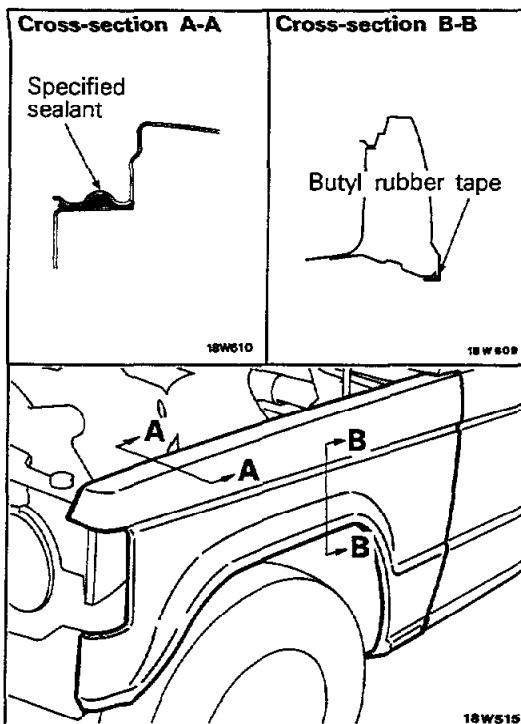


#### Removal steps

1. Radiator grille
2. Front combination light
3. Headlight bezel
4. Grille filler panel
5. Front mud guard
6. Partial wheel lip
7. Splash shield
8. Front fender

#### NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) ►► : Refer to "Service Points of Installation".



## SERVICE POINTS OF INSTALLATION

### 8. INSTALLATION OF FRONT FENDER

(1) Apply the specified sealant fully to the top part of fender up to the ends.

**Specified sealant : 3M ART No. 8531 or No. 8646, or equivalent**

(2) Apply butyl rubber tape to the flange part of the fender when installing the splash shield.

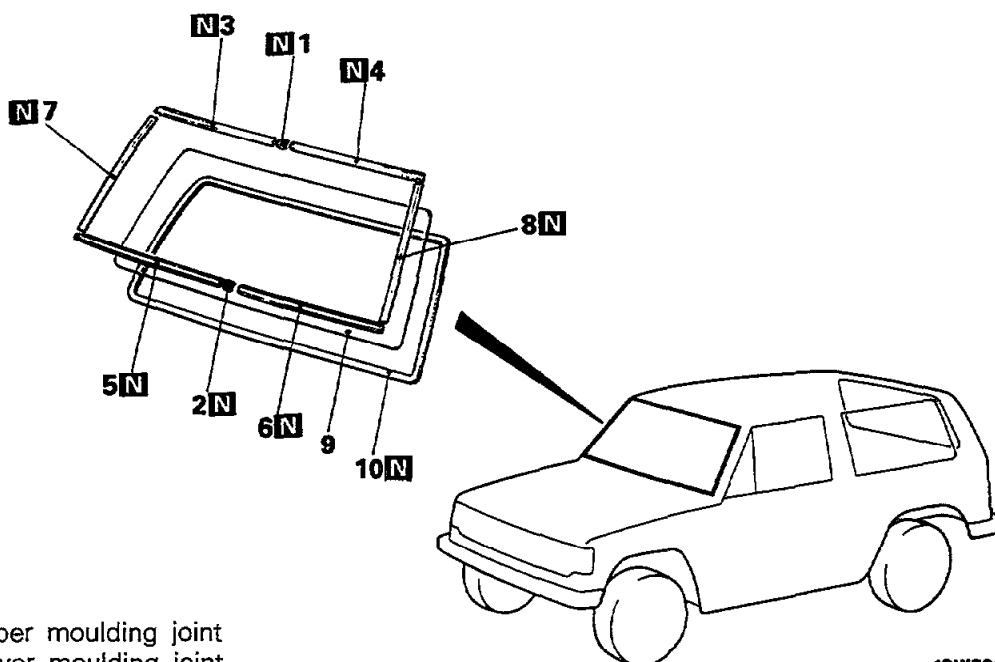
**Specified adhesive : 3M ART Part No. 8626 or 3M Adhesive EC-5310, or equivalent**

(3) Fasten the fender temporarily in position, make sure that clearance is uniform at all points, and then fasten completely.

## WINDSHIELD

### REMOVAL AND INSTALLATION

N23LBAD



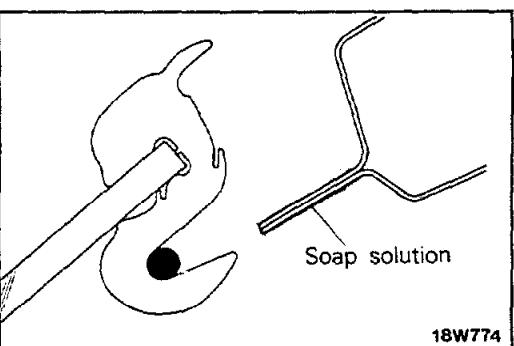
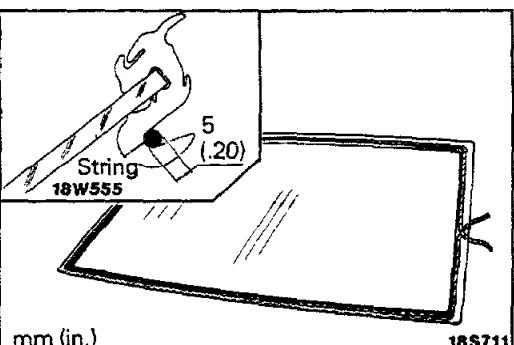
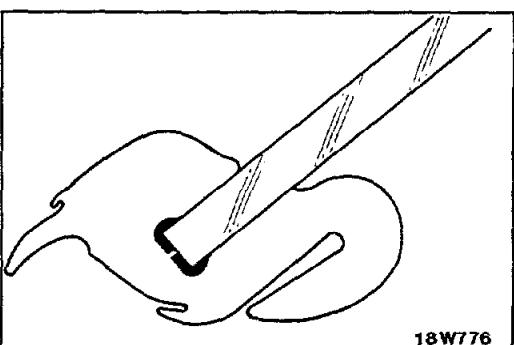
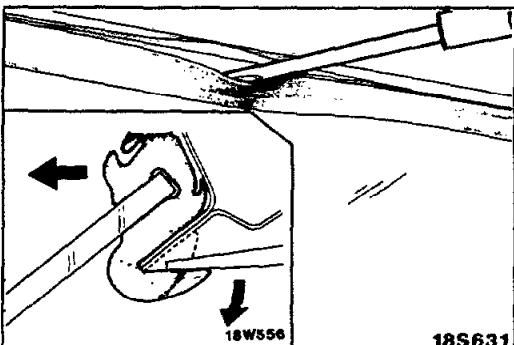
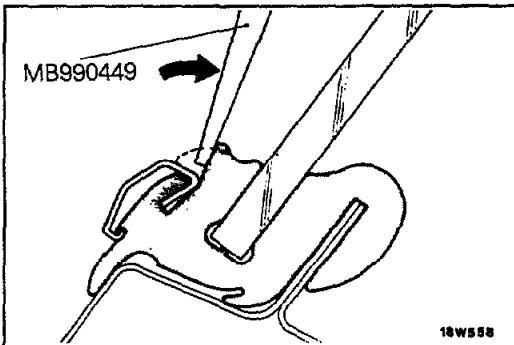
18W723

#### Removal steps

- ↔ 1. Upper moulding joint
- ↔ 2. Lower moulding joint
- ↔ 3. Upper moulding, R.H.
- ↔ 4. Upper moulding, L.H.
- ↔ 5. Lower moulding, R.H.
- ↔ 6. Lower moulding, L.H.
- ↔ 7. Side moulding, R.H.
- ↔ 8. Side moulding, L.H.
- ↔↔ 9. Windshield
- ↔↔ 10. Windshield weatherstrip

#### NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) ↔ : Refer to "Service Points of Removal".
- (3) ↔↔ : Refer to "Service Points of Installation".
- (4) N : Non-reusable parts



## SERVICE POINTS OF REMOVAL

### 1. REMOVAL OF UPPER MOULDING JOINT/2. LOWER MOULDING JOINT/3. TO 8. MOULDINGS

On vehicles equipped with mouldings, remove the moulding with the weatherstrip straightened with a special tool after sliding the moulding joint.

### 9. REMOVAL OF WINDSHIELD/10. WINDSHIELD WEATHERSTRIP

Push the windshield out from the inside of the cabin with the lip of the weatherstrip straightened along the entire periphery with a screwdriver.

## INSPECTION

- Check the body flange for deformation.

## SERVICE POINTS OF INSTALLATION

### 10. INSTALLATION OF WINDSHIELD WEATHERSTRIP/9. WINDSHIELD

- Fill the weatherstrip with the specified adhesive and fit it to the windshield.

**Specified adhesive : 3M ART Part No. 8001 or No. 8011, or equivalent**

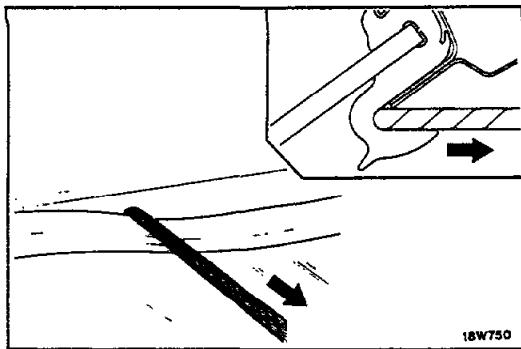
- Set round strings in the weatherstrip groove.

#### NOTE

Make certain that the strings overlap each other at both ends.

- Apply soap solution to the entire surface of the body flange.

- Place the windshield in position from outside with the strings placed inside the cabin.



(5) With the aid of an assistant to push the windshield from outside, slowly pull one end of the string at right angles to the windshield and fit the lips of the weatherstrip correctly on the windshield flange.

**NOTE**

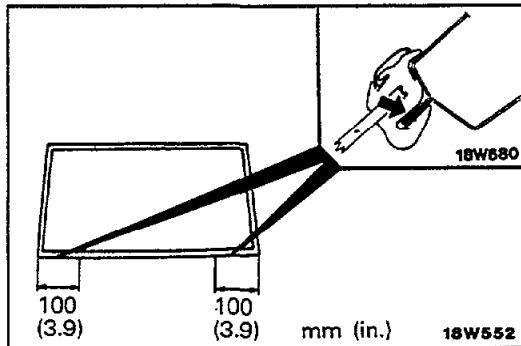
Pull the strings, working from both sides of the windshield toward the center and pushing from the outside of the glass.

**Caution**

**Press lightly to hold the glass against the body flange surface.**

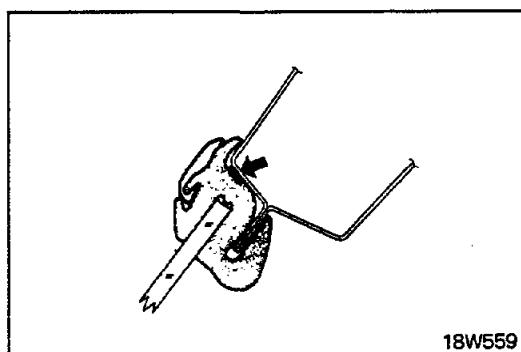
(6) Apply specified adhesive between the weatherstrip and the body flange at the locations indicated in the illustration.

**Specified adhesive : 3M ART Part No. 8626 or 3M Adhesive EC-5310, or equivalent**



(7) Apply an ample amount of the specified adhesive all around the weatherstrip between it and the body flange.

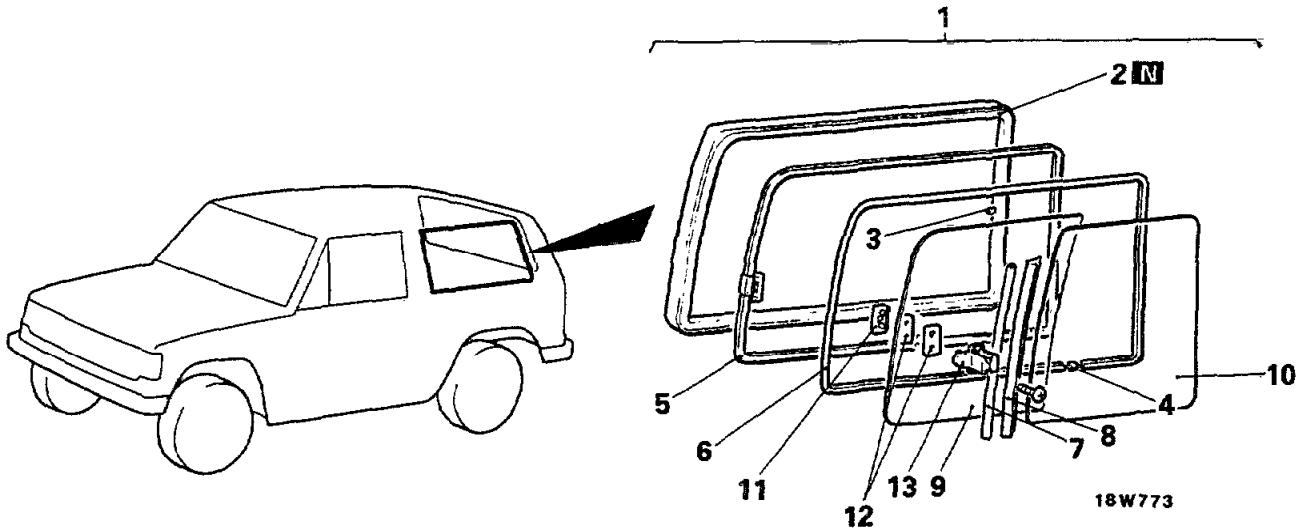
**Specified adhesive : 3M ART Part No. 8001 or No. 8011, or equivalent**



## QUARTER WINDOW GLASS

## REMOVAL AND INSTALLATION &lt;2-Door Vehicles&gt;

N23LEBD



## Removal steps

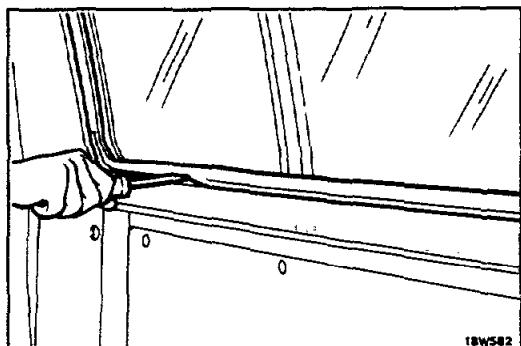
➡➡➡ 1. Glass and weatherstrip assembly (parts of step No. 2-10)  
 2. Quarter window weatherstrip  
 3. Stopper  
 4. Stopper  
 5. Quarter window sash  
 6. Quarter window runchannel  
 7. Holder  
 8. Rubber seal  
 9. Quarter window front glass  
 10. Quarter window rear glass

## Slide glass lock removal steps

11. Connector  
 12. Packing  
 13. Slide glass lock

## NOTE

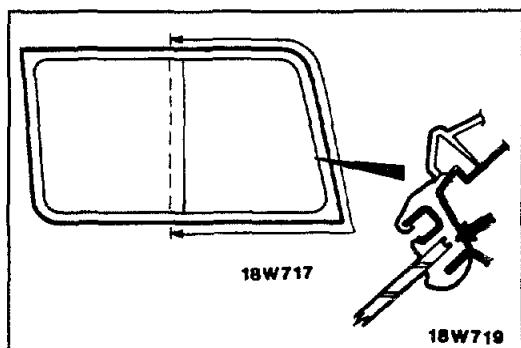
(1) Reverse the removal procedures to reinstall.  
 (2) ➡➡ : Refer to "Service Points of Removal".  
 (3) ➡➡ : Refer to "Service Points of Installation".  
 (4) N : Non-reusable parts



## SERVICE POINTS OF REMOVAL

## 1. REMOVAL OF GLASS AND WEATHERSTRIP ASSEMBLY

With the glass in position, push the quarter window assembly outward while raising the lip of the weatherstrip along the periphery.

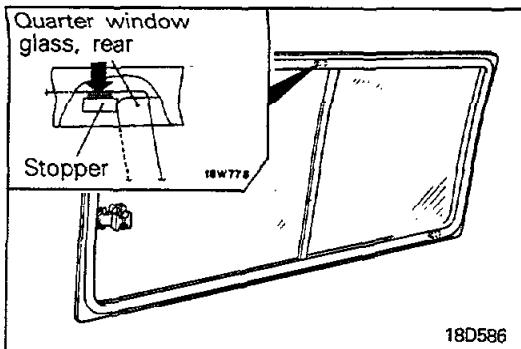


## SERVICE POINTS OF INSTALLATION

## 1. APPLICATION OF ADHESIVE TO GLASS AND WEATHERSTRIP ASSEMBLY

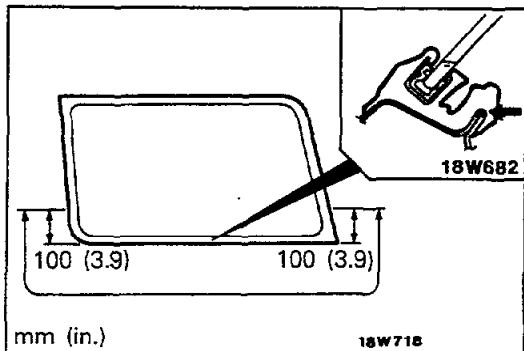
(1) Apply the specified adhesive to the weatherstrip at the location indicated in the illustration.

Specified adhesive : 3M ART Part No. 8001 or No. 8011, or equivalent



(2) After the quarter window rear glass has been installed, install the stopper by applying the specified adhesive.

**Specified adhesive : 3M Adhesive EC-870 or equivalent**

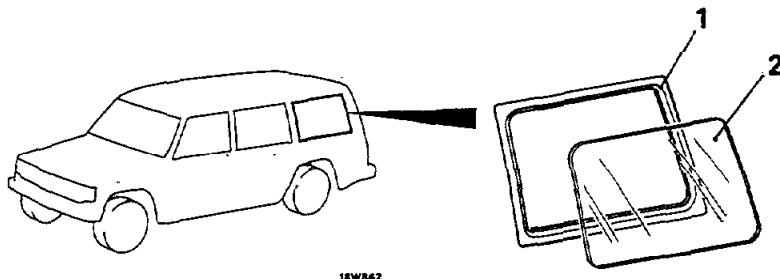


(3) Apply the specified adhesive between the weatherstrip and the body flange at the location indicated in the illustration.

**Specified adhesive : 3M ART Part No. 8634, or equivalent**

## REMOVAL AND INSTALLATION <4-Door Vehicles>

N23LECA

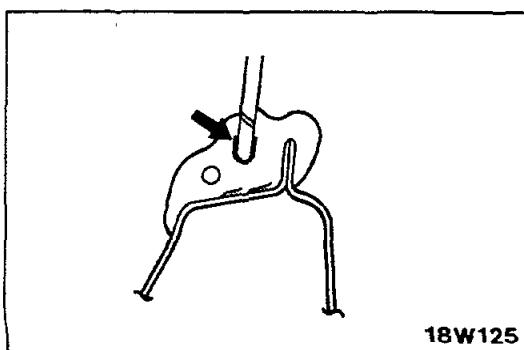


### Removal steps

- ▶ 1. Quarter window weatherstrip
- 2. Quarter window

### NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) ▶ : Refer to "Service Points of Installation".



## SERVICE POINTS OF INSTALLATION

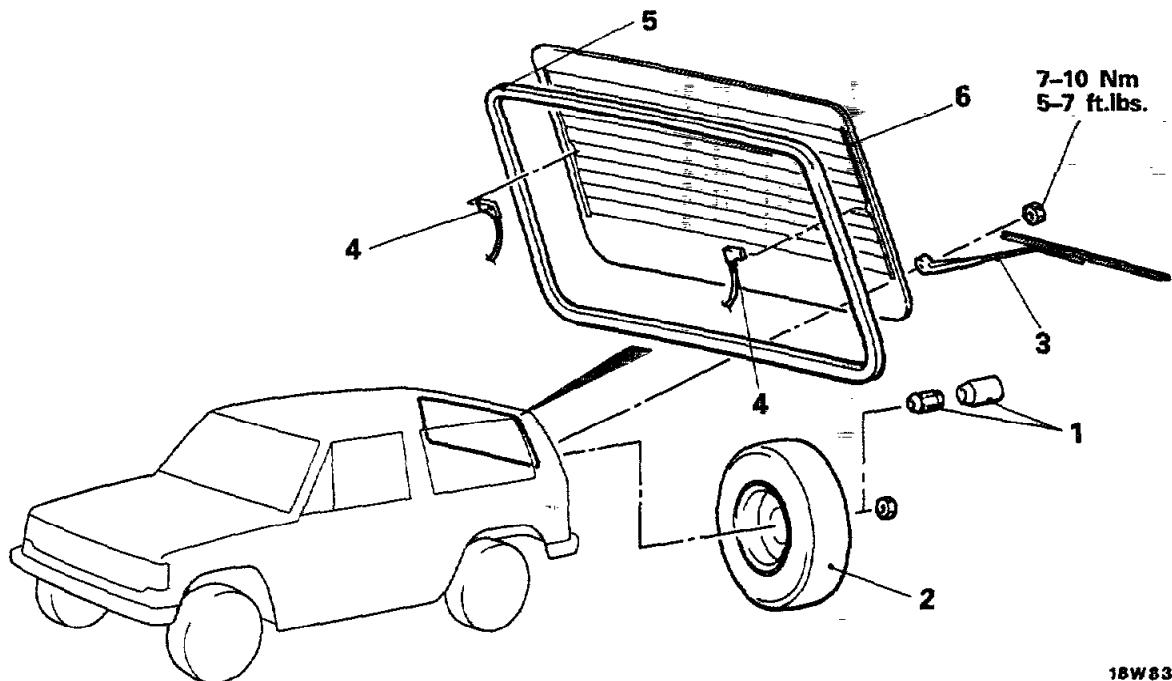
### 1. APPLICATION OF ADHESIVE TO QUARTER WINDOW WEATHERSTRIP

Apply the specified adhesive to the weatherstrip at the location indicated in the illustration.

**Specified adhesive : 3M ART Part No. 8001 or No. 8011, or equivalent**

## BACK DOOR WINDOW GLASS REMOVAL AND INSTALLATION

N23LDAI



18W836

### Removal steps

- 1 Spare tire lock cylinder
- 2 Spare tire
- 3 Wiper arm and blade assembly <Vehicles with a rear wiper>
- 4 Rear defogger terminal
- 5 Back door window weatherstrip
- 6 Back door window glass

### NOTE

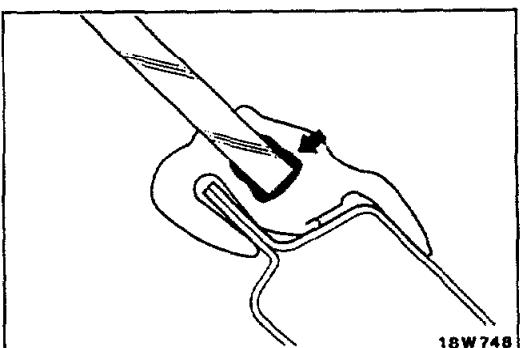
- (1) Reverse the removal procedures to reinstall.
- (2) ►◀ : Refer to "Service Points of Installation".

## SERVICE POINTS OF INSTALLATION

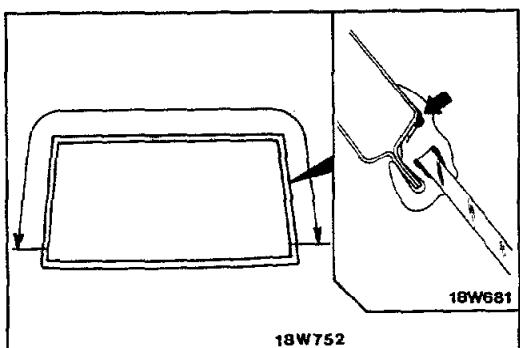
### 5. APPLICATION OF ADHESIVE TO BACK DOOR WINDOW WEATHERSTRIP

- (1) Apply the specified adhesive to the weatherstrip.

Specified adhesive : 3M ART Part No. 8001 or No. 8011, or equivalent



18W748



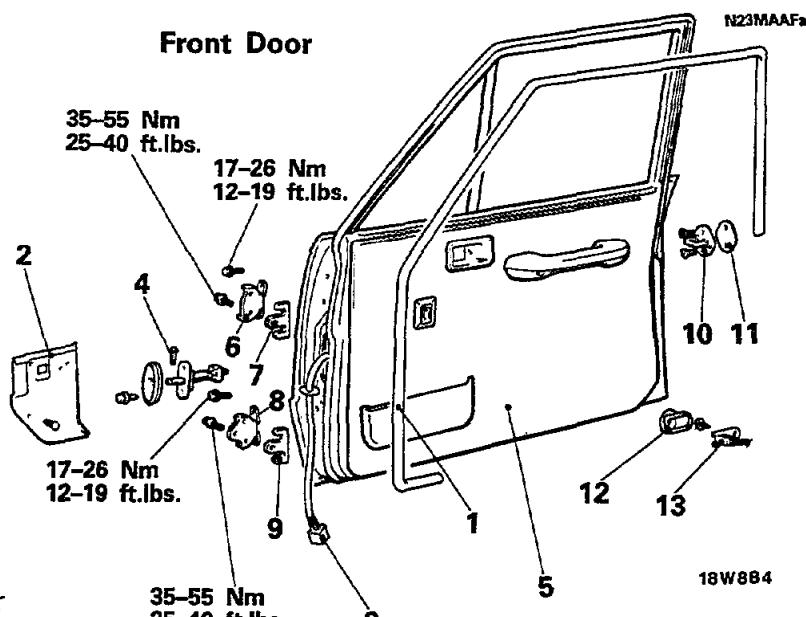
18W681

- (2) As shown in the figure, attach butyl tape between the weatherstrip and the body flange.

## DOOR ASSEMBLY

## REMOVAL AND INSTALLATION

## Front Door



## Post-installation Operation

- Adjustment of Door Installation  
(Refer to P. 23-19.)

## Door removal steps

1. Door opening trim – front door  
<Vehicles with a power window>
2. Cowl side trim – front door  
Center pillar trim – rear door  
<Vehicles with a power window>
3. Connection of door wiring harness connector  
<Vehicles with a power window>
4. Spring pin
5. Door
6. Door upper hinge
7. Door upper hinge shim
8. Door lower hinge
9. Door lower hinge shim

## Striker removal steps

10. Striker
11. Striker shim

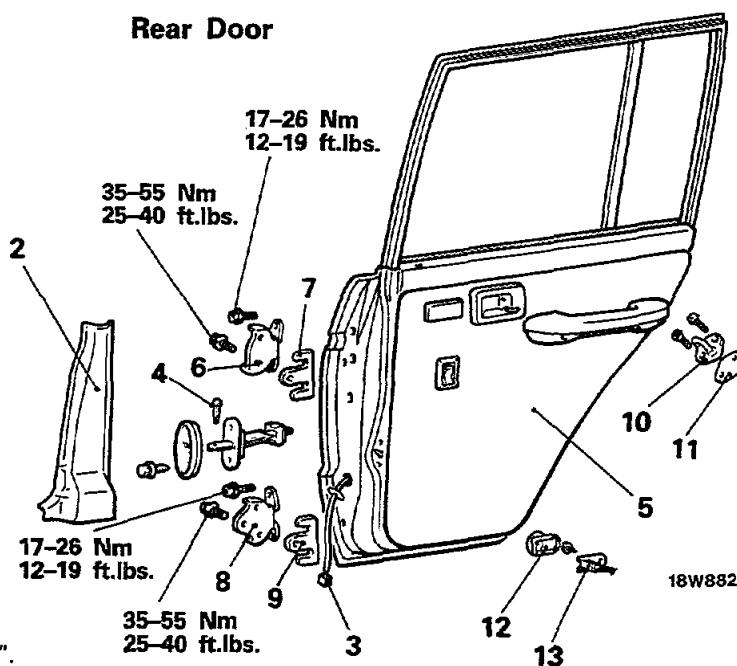
## Door switch removal steps

12. Door switch cap
13. Door switch

## NOTE

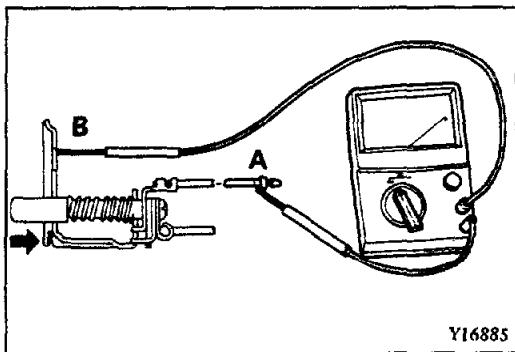
- (1) Reverse the removal procedures to reinstall.
- (2) ►◀ : Refer to "Service Points of Installation".

## Rear Door



## INSPECTION

- Check the door hinges for cracks, damage or abnormal noise.

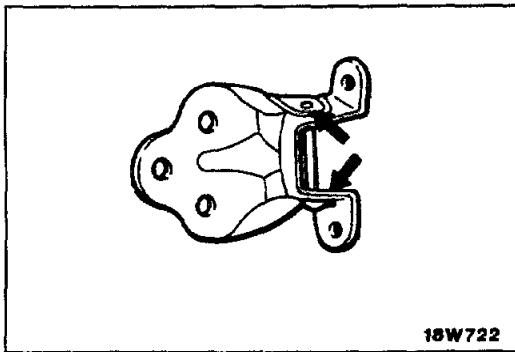
**DOOR SWITCH**

Operate the switch, and check the continuity between the terminals.

Switch	Test probe	A	B
Release		○	○
Push			

**NOTE**

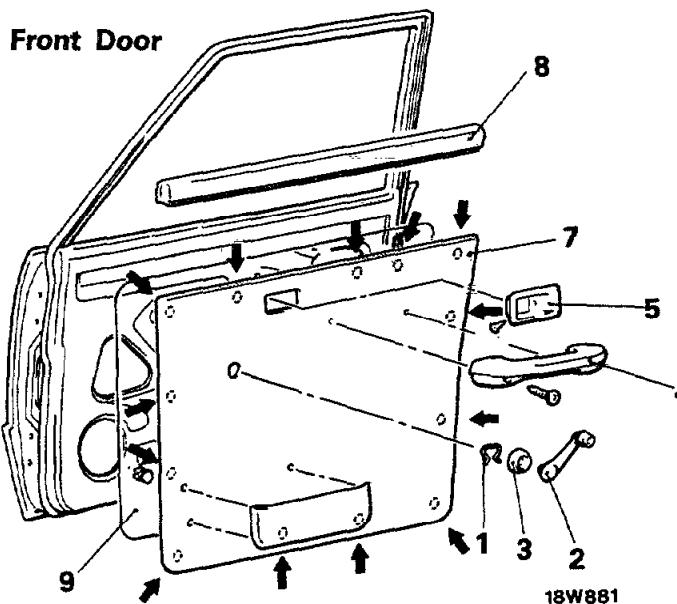
○—○ indicates that there is continuity between the terminals.

**SERVICE POINTS OF INSTALLATION****8. APPLICATION OF GREASE TO DOOR LOWER HINGE/6. DOOR UPPER HINGE**

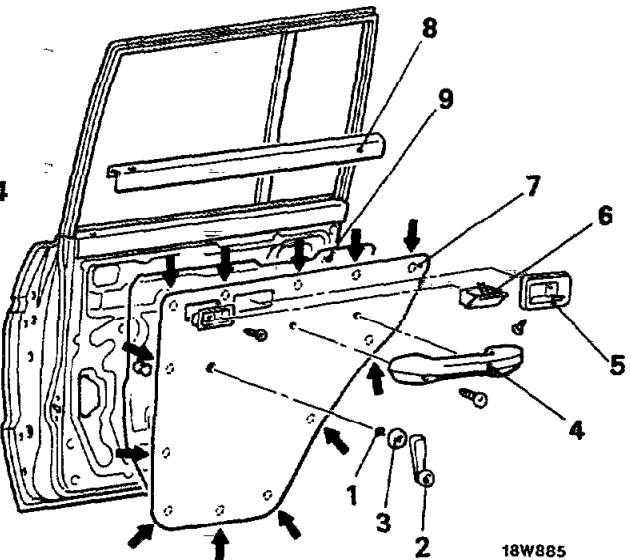
Apply the multipurpose grease to the sliding part of the door hinges.

**DOOR TRIM AND WATERPROOF FILM****REMOVAL AND INSTALLATION <Vehicles without a Power Window>**

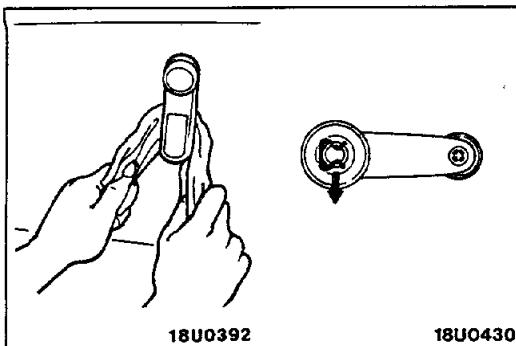
N23MBAU

**Removal steps**

- ↔ 1. Clip
- ↔ 2. Regulator handle
- ↔ 3. Escutcheon
- ↔ 4. Armrest
- ↔ 5. Inside handle cover
- ↔ 6. Ashtray (rear door)
- ↔ 7. Door trim
- ↔ 8. Door upper trim
- ↔ 9. Waterproof film

**Rear Door****NOTE**

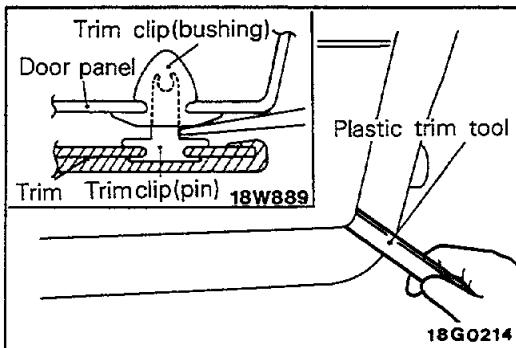
- (1) Reverse the removal procedures to reinstall.
- (2) ↔ : Refer to "Service Points of Removal".
- (3) ↔ : Refer to "Service Points of Installation".
- (4) ↔ : Clipping position



## SERVICE POINTS OF REMOVAL

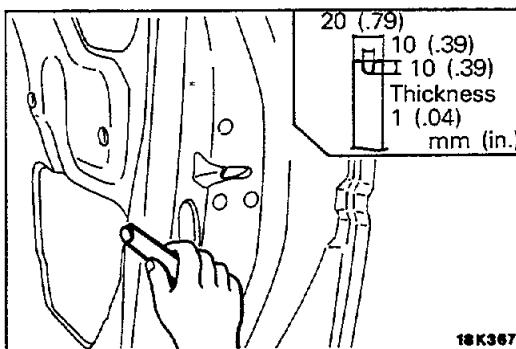
### 1. REMOVAL OF CLIP

Remove the clip by using a rag, and then remove the regulator handle.



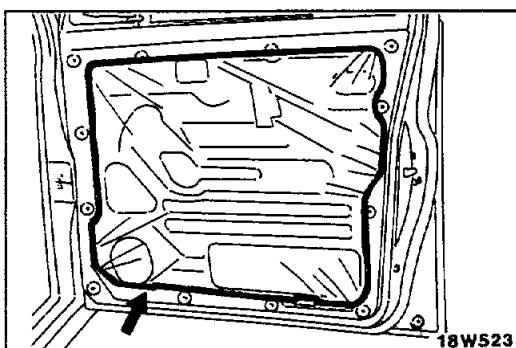
### 7. REMOVAL OF DOOR TRIM

Insert a plastic trim tool between the trim clip (bushing) and trim clip (pin), and then pry the trim clip to remove.



#### NOTE

If the trim clip (bushing) and trim clip (pin) come off together, separate the trim clip assembly from the trim and install the trim clip (bushing) at the door side. Then improvise a tool (such as shown in the illustration) to remove the trim clip (pin).



## SERVICE POINTS OF INSTALLATION

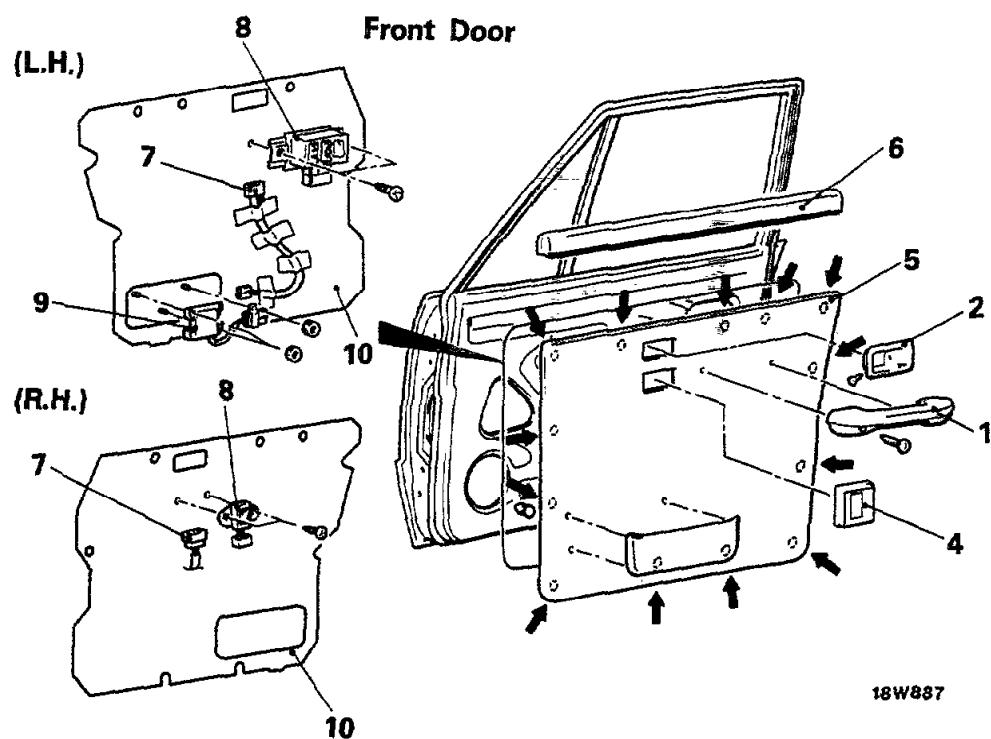
### 9. APPLICATION OF ADHESIVE TO WATERPROOF FILM

Apply a coating of specified adhesive to the position shown in the illustration, and then attach the waterproof film.

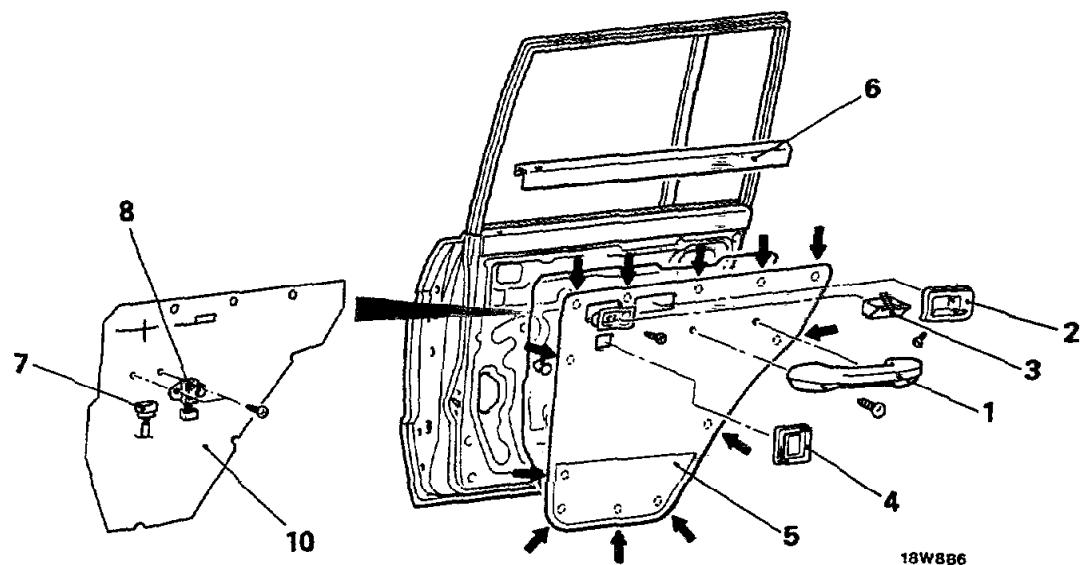
**Specified adhesive : 3M ART Part No. 8626 or 3M Adhesive EC-5310, or equivalent**

## REMOVAL AND INSTALLATION &lt;Vehicles with a Power Window&gt;

N23MBAV



## Rear Door



## Removal steps

1. Armrest
2. Inside handle cover
3. Ashtray (rear door)
4. Power window switch cover
5. Door trim
6. Door upper trim
7. Connection of power window switch connector
8. Power window switch
9. Connection of power window relay
10. Waterproof film



## NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) : Refer to "Service Points of Removal".
- (3) : Refer to "Service Points of Installation".
- (4) : Clipping position

**SERVICE POINTS OF REMOVAL****5. REMOVAL OF DOOR TRIM**

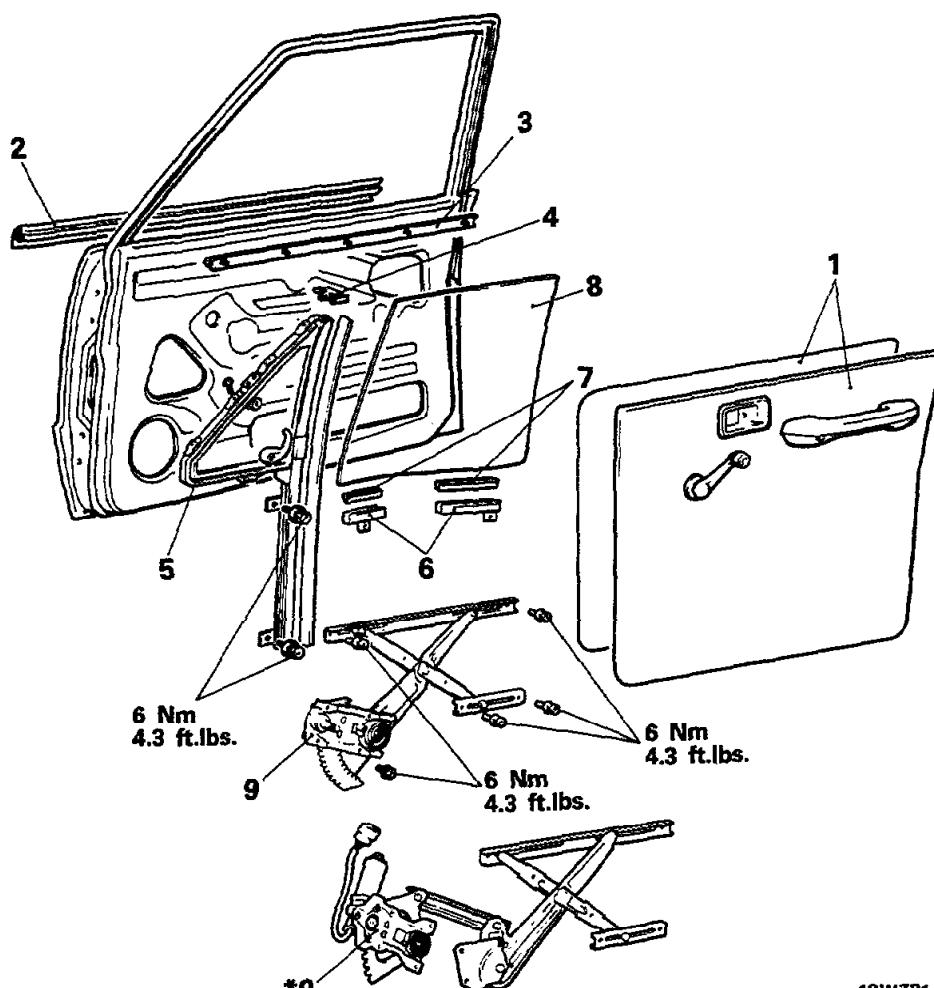
Refer to P. 23-37.

**SERVICE POINTS OF INSTALLATION****10. APPLICATION OF ADHESIVE TO WATERPROOF FILM**

Refer to P. 23-37.

**FRONT DOOR GLASS AND REGULATOR  
REMOVAL AND INSTALLATION**

N23MCAT



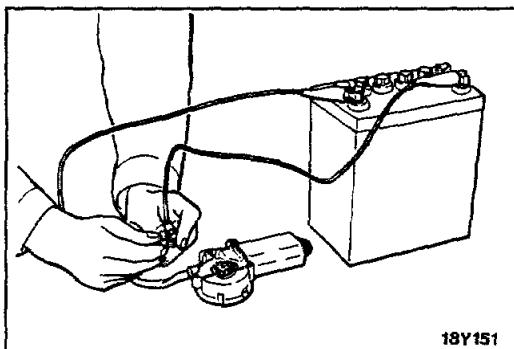
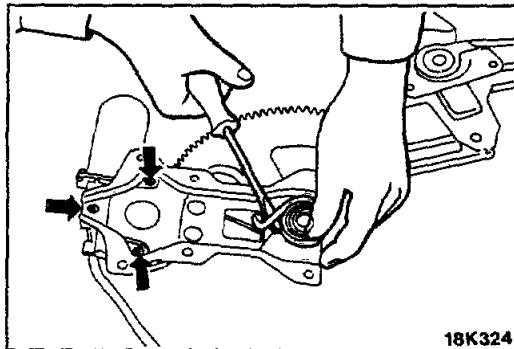
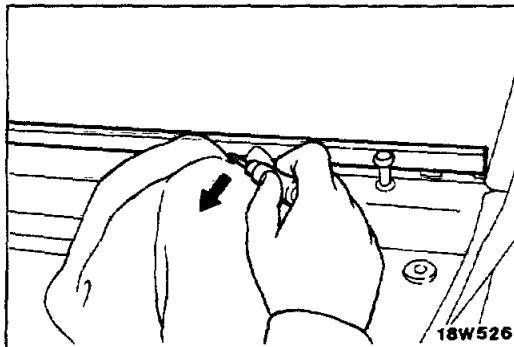
18W781

**Removal steps**

- ➡➡➡ 1. Door trim and waterproof film
- ➡➡ 2. Outer weatherstrip
- 3. Inner weatherstrip
- 4. Center sash protector
- ➡➡ 5. Ventilator window assembly
- 6. Glass holder
- 7. Door glass pad
- ➡➡ 8. Door window glass
- ➡➡➡ 9. Window regulator

**NOTE**

- (1) Reverse the removal procedures to reinstall.
- (2) ➡➡ : Refer to "Service Points of Removal".
- (3) ➡➡ : Refer to "Service Points of Installation".
- (4) \* : Vehicles with a power window.



## SERVICE POINTS OF REMOVAL

### 1. REMOVAL OF DOOR TRIM AND WATERPROOF FILM

Refer to P.23-36.

### 2. REMOVAL OF OUTER WEATHERSTRIP

- (1) Remove the outer weatherstrip from the fixing clips by prying upward with a screwdriver.
- (2) Remove the outer weatherstrip rearward.

### 9. REMOVAL OF WINDOW REGULATOR

#### Vehicles with a Power Window

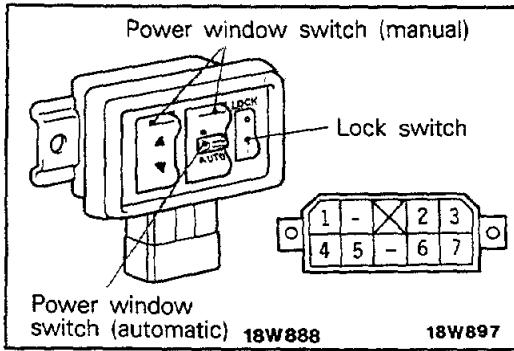
##### Caution

**Because the force of the regulator spring may cause the regulator arm to jump up when the screws attaching the motor to the window regulator are removed, remove the regulator spring before removing the screws.**

## INSPECTION

### POWER WINDOW MOTOR

- (1) Connect the motor terminals directly to the battery and check that the motor operates smoothly. Next, reverse the polarity and check that the motor operates smoothly in the reverse direction.
- (2) Check the circuit breaker incorporated in the motor, as described below, after installing the motor and regulator to the body.
  - ① Press the UP switch to fully close the window glass, and continue to press the switch for 10 to 20 seconds.
  - ② At the moment that the UP switch is released, press the DOWN switch. The circuit breaker can be considered good if at this time the door window glass begins to open within 60 seconds.



## MAIN SWITCH

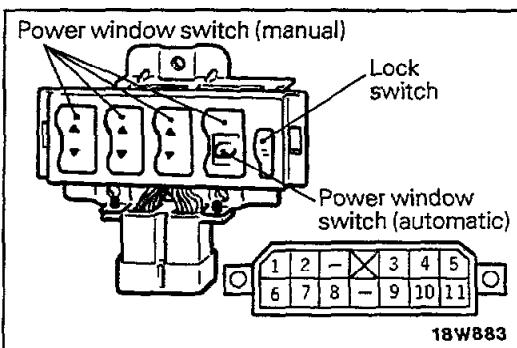
### 2-Door Vehicles

Operate the switch, and check the continuity between the terminals.

Switch	Terminal	L.H. side				R.H. side				LOCK	
		1	5	4	2	3	5	7	*	*	6
Power window switch (manual)	UP	○	○			○	○	○	○		
	OFF					○		○	○		
	DOWN		○	○		○	○	○			
Power window switch (automatic)	OFF										
	DOWN HOLD		○	○	○						
Lock switch	ON (LOCK)										
	OFF (FREE)									○	○

## NOTE

- (1) ○—○ indicates that there is continuity between the terminals.
- (2) The \* symbol indicates connection within the switch.



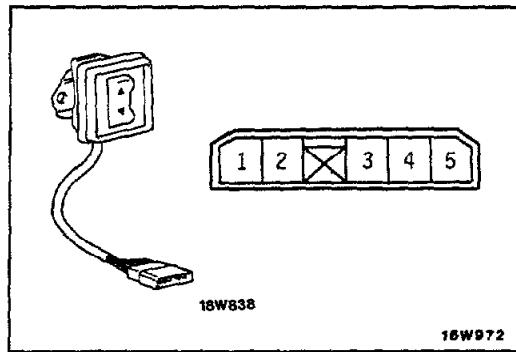
## 4-Door Vehicles

Operate the switch, and check the continuity between the terminals.

Switch		Front						Rear						LOCK					
		L.H. side			R.H. side			L.H. side			R.H. side								
		2	8	7	3	4	8	10	*	1	8	6	*	5	8	11	*	*	9
Power window switch (manual)	UP	○	○			○	○	○	○	○	○	○	○	○	○	○	○		
	OFF					○		○	○	○	○	○	○	○	○	○	○		
	DOWN		○	○		○	○	○	○	○	○	○	○	○	○	○			
Power window switch (automatic)	OFF																		
	DOWN HOLD		○	○	○														
Lock switch	ON (LOCK)																	○	○
	OFF (FREE)																	○	○

## NOTE

- (1) ○—○ indicates that there is continuity between the terminals
- (2) The \* symbol indicates connection within the switch.



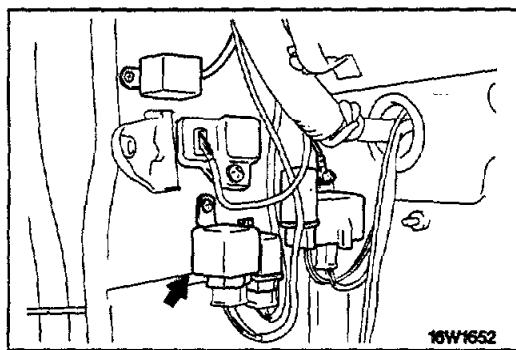
### SUB SWITCH

Operate the switch, and check the continuity between the terminals.

Switch	Terminal	2	1	5	4	3
UP		○	○	○		○
OFF			○	○	○	○
DOWN		○	○	○		○

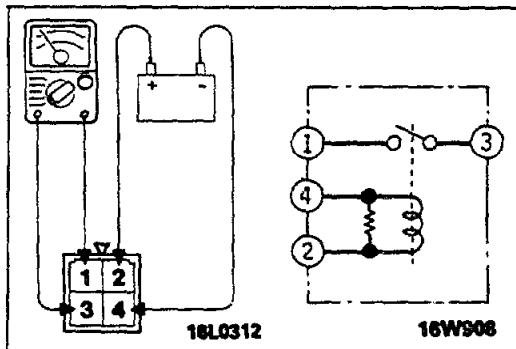
#### NOTE

○—○ indicates that there is continuity between the terminals.



### POWER WINDOW POWER RELAY

- After removing the cowl side trim, remove the power window power relay.



- Connect battery to terminal 2 and check continuity between terminals with terminal 4 grounded.

Power is supplied	1-3 terminals	Continuity
Power is not supplied	1-3 terminals	No continuity
	2-4 terminals	Continuity

### SERVICE POINTS OF INSTALLATION

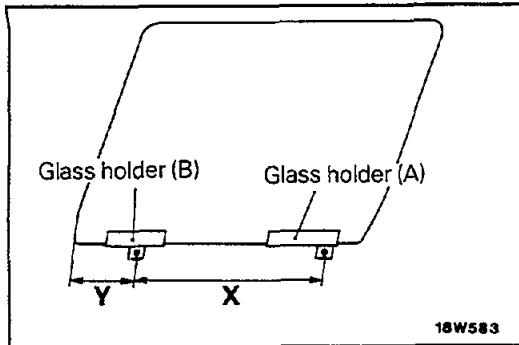
#### 9. INSTALLATION OF WINDOW REGULATOR

##### Vehicles without a Power Window

Apply a coating of multipurpose grease to the sliding parts and rotating parts of the window regulator.

##### Vehicles with a Power Window

When assembling the window regulator and power window motor, first install the regulator spring, and then proceed with assembly.



### 8. INSTALLATION OF DOOR WINDOW GLASS

When the door glass has been removed from the glass holder, install to the position shown in illustration.

**Standard value :**

Distance X 466.5–467.5 mm (18.366–18.406 in.)

Distance Y 76.5–77.5 mm (3.012–3.051 in.)

- **ADJUSTMENT OF VENTILATOR WINDOW**

Refer to P. 23-20.

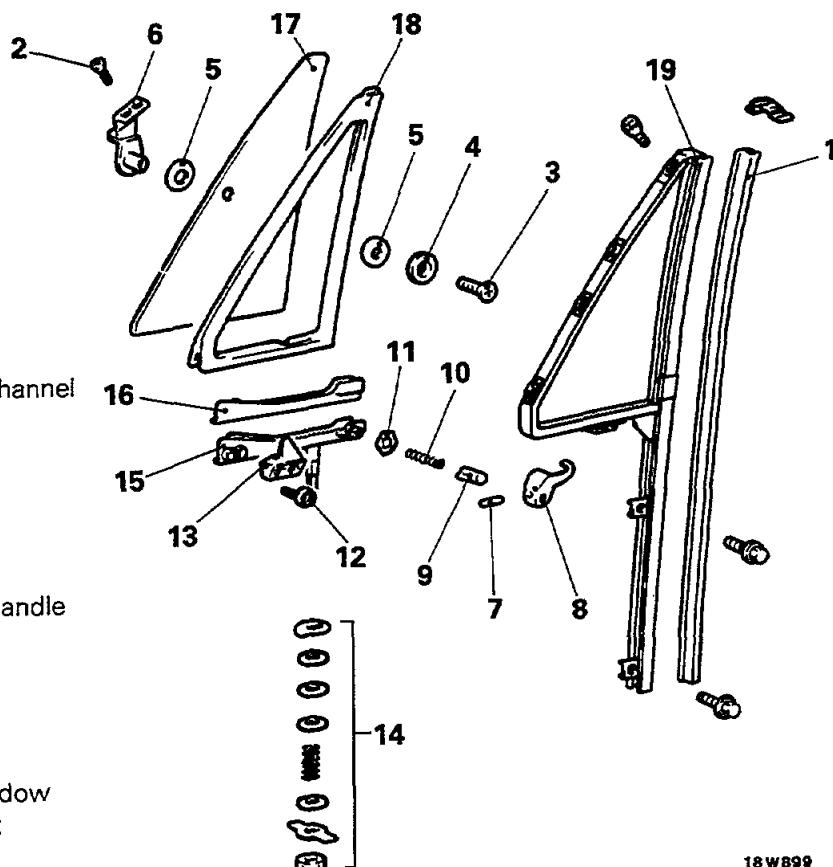
- **ADJUSTMENT OF DOOR WINDOW GLASS**

Refer to P. 23-20.

1. **INSTALLATION OF DOOR TRIM AND WATERPROOF FILM**

Refer to P. 23-36.

### DISASSEMBLY AND REASSEMBLY (Ventilator Window Assembly)



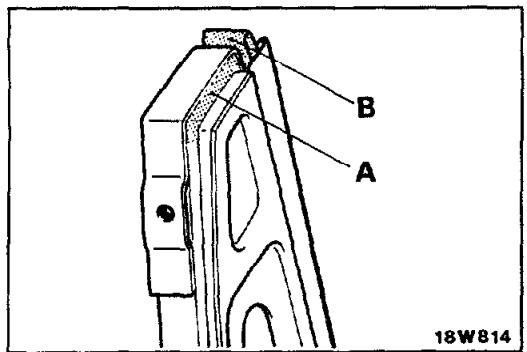
18W899

#### Disassembly steps

- ➡ 1. Door window glass runchannel
- 2. Screw
- 3. Screw
- 4. Washer
- 5. Packing
- 6. Hinge
- 7. Pin
- 8. Ventilator window lock handle
- 9. Push button
- 10. Push button spring
- 11. Wave washer
- 12. Screw
- 13. Ventilator open handle
- ➡ Adjustment of ventilator window
- 14. Ventilator sash spring kit
- ➡ 15. Ventilator sash
- ➡ 16. Ventilator window glass pad
- ➡ 17. Door ventilator window glass
- ➡ 18. Ventilator window weatherstrip
- ➡ 19. Ventilator sash assembly

#### NOTE

- (1) Reverse the disassembly procedures to reassemble.
- (2) ➡ : Refer to "Service Points of Reassembly".



### SERVICE POINTS OF REASSEMBLY

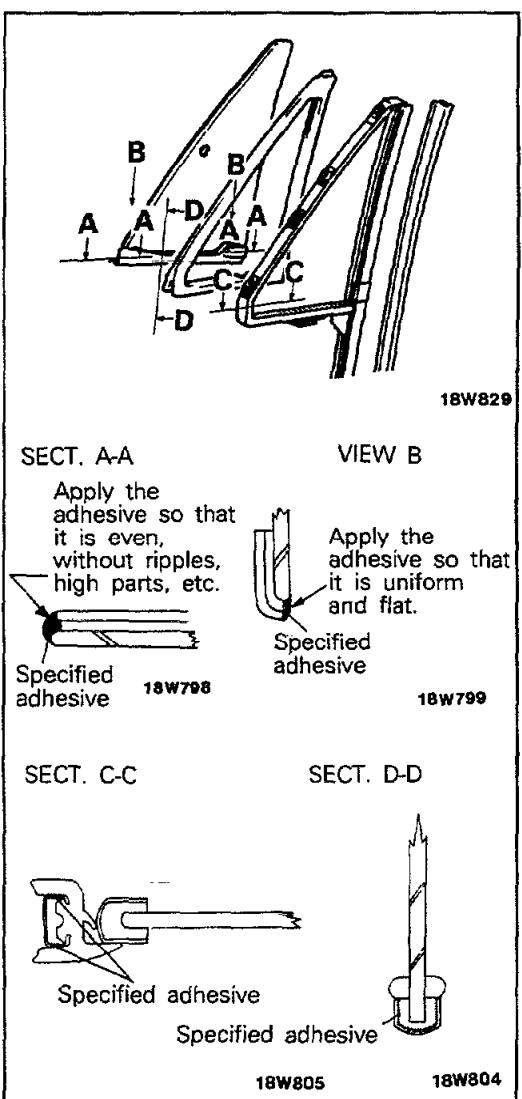
#### 19. APPLICATION OF ADHESIVE TO VENTILATOR SASH ASSEMBLY/18. VENTILATOR WINDOW WEATHER-STRIP

- (1) Apply the specified adhesive to the place marked "A" in the figure, between the ventilator sash assembly and the ventilator window weatherstrip.

**Specified adhesive : 3M Super Weatherstrip Adhesive 8001 or 8011 or equivalent**

- (2) Apply the specified adhesive to the place marked "B" in the figure.

**Specified adhesive : 3M ART Part No. 8080 or 3M Adhesive EC-1368, or equivalent**



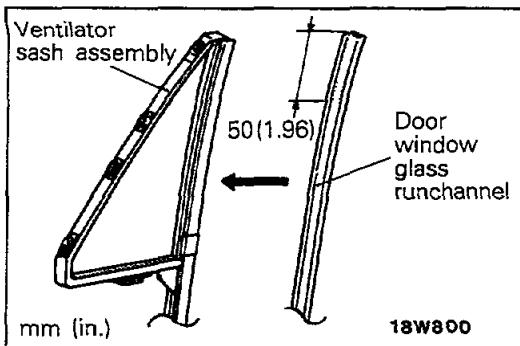
#### 17. APPLICATION OF ADHESIVE TO DOOR VENTILATOR WINDOW GLASS/16. VENTILATOR WINDOW GLASS PAD/15. VENTILATOR SASH

- (1) The SECT. A-A and VIEW B parts in the illustration are to be coated with the specified adhesive.

**Specified adhesive : 3M Super Weatherstrip Adhesive 8001 or 8011 or equivalent**

- (2) The SECT. C-C and SECT. D-D parts in the illustration are to be coated with the specified adhesive.

**Specified adhesive : 3M ART Part No. 8080 or 3M Adhesive EC-1368, or equivalent**



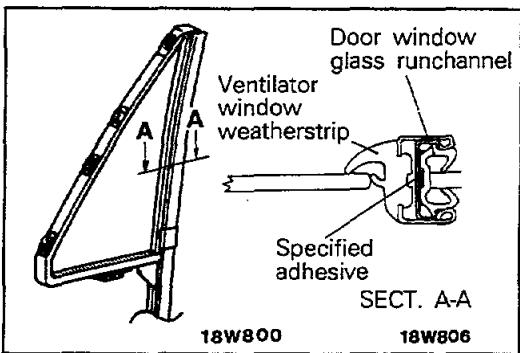
- **ADJUSTMENT OF VENTILATOR WINDOW**

Refer to P.23-20.

1. **APPLICATION OF ADHESIVE TO DOOR WINDOW GLASS RUNCHANNEL**

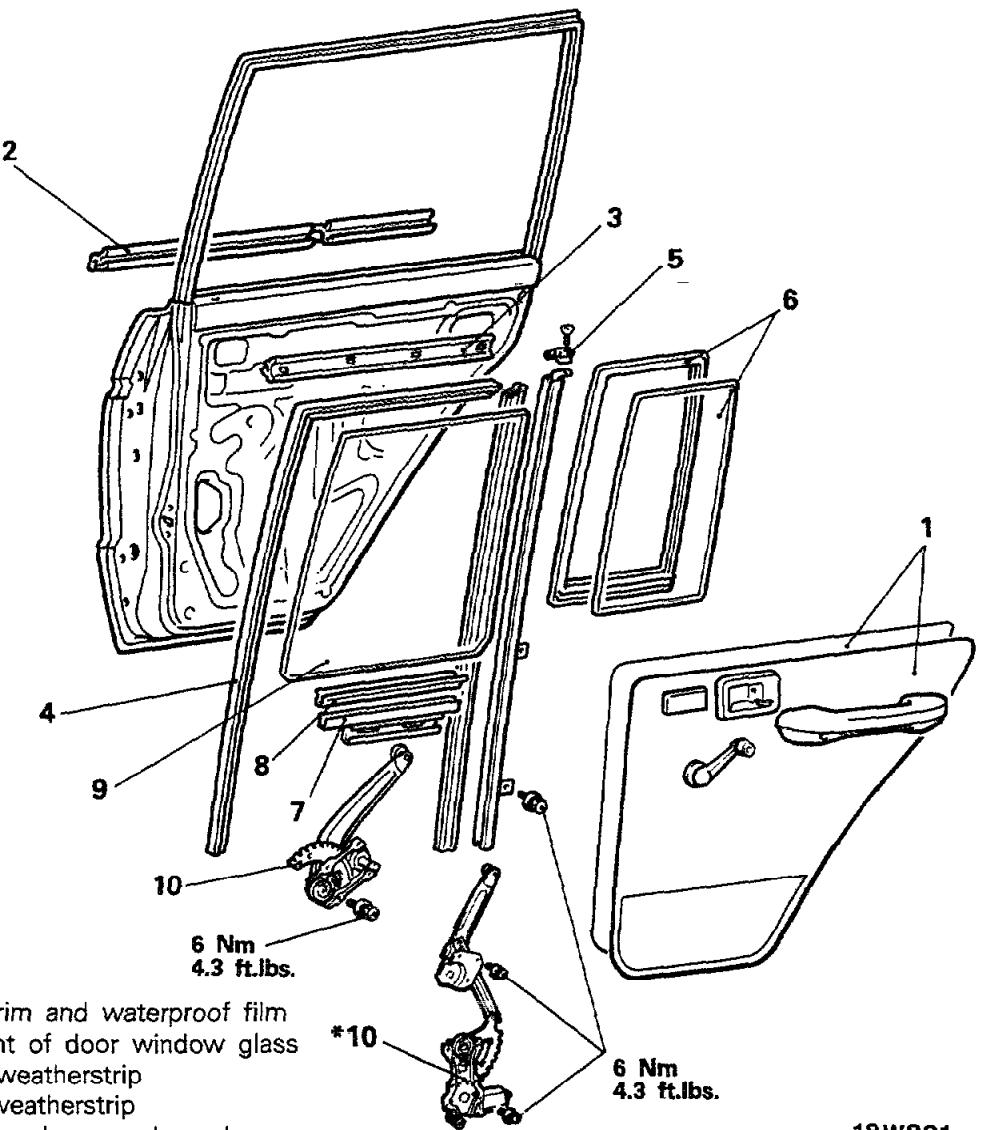
Apply the specified adhesive between the door window glass runchannel and the ventilator sash assembly at the location indicated in the illustration.

**Specified adhesive : 3M ART Part No. 8080 or 3M Adhesive EC-1368, or equivalent**



## REAR DOOR GLASS AND REGULATOR REMOVAL AND INSTALLATION

M23MCBJ



### Removal steps

- ➡➡➡ 1. Door trim and waterproof film
- ➡➡ 2. Adjustment of door window glass
- ➡ 3. Outer weatherstrip
- ➡ 4. Inner weatherstrip
- ➡ 5. Window glass runchannel
- ➡ 6. Window center sash
- ➡ 7. Stationary window assembly
- ➡ 8. Glass holder
- ➡ 9. Door glass pad
- ➡➡➡ 10. Door window glass
- ➡➡➡ 10. Window regulator

18W891

### NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) ➡ : Refer to "Service Points of Removal".
- (3) ➡ : Refer to "Service Points of Installation".
- (4) \*: Vehicles with a power window

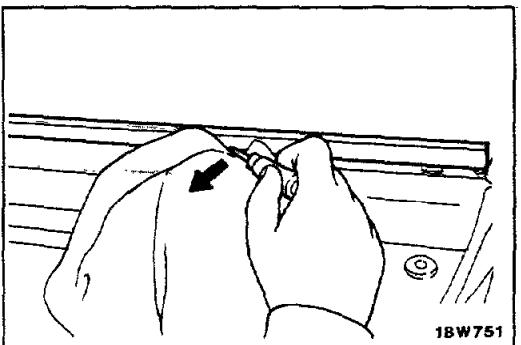
### SERVICE POINTS OF REMOVAL

#### 1. REMOVAL OF DOOR TRIM AND WATERPROOF FILM

Refer to P.23-36.

#### 2. REMOVAL OF OUTER WEATHERSTRIP

- (1) Remove the outer weatherstrip from the fixing clips by prying upward with a screwdriver.
- (2) Remove the outer weatherstrip rearward.



**10. REMOVAL OF WINDOW REGULATOR**

Refer to P.23-40.

**INSPECTION****POWER WINDOW MOTOR**

Refer to P.23-40.

**SUB SWITCH**

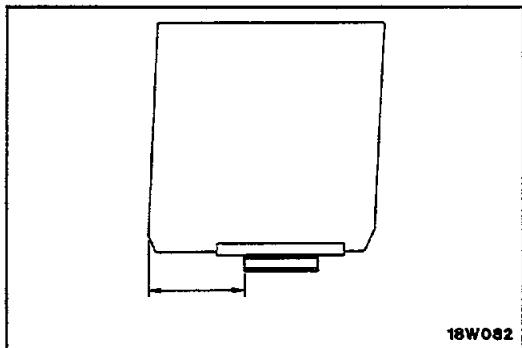
Refer to P.23-42.

**SERVICE POINTS OF INSTALLATION****10. INSTALLATION OF WINDOW REGULATOR****Vehicles without a Power Window**

Apply a coating of multipurpose grease to the sliding parts and rotating parts of the window regulator.

**Vehicles with a Power Window**

When assembling the window regulator and power window motor, first install the regulator spring, and then proceed with assembly.

**9. INSTALLATION OF DOOR WINDOW GLASS**

When the door glass has been removed from the glass holder, install to the position shown in the illustration.

**Standard value : 232–238 mm (9.1–9.4 in.)**

**● ADJUSTMENT OF DOOR WINDOW GLASS**

Refer to P.23-20.

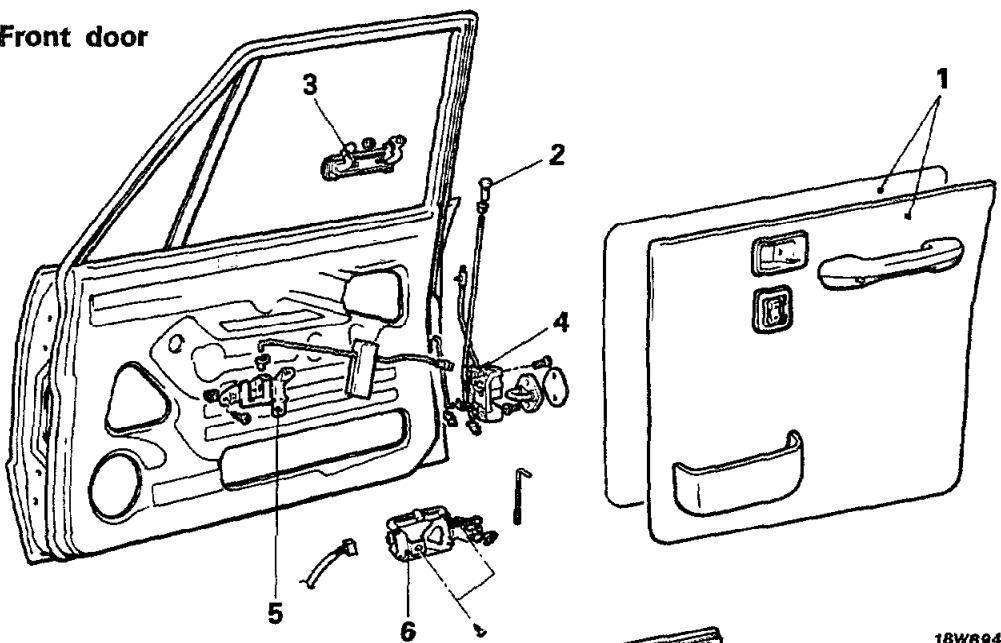
**1. INSTALLATION OF DOOR TRIM AND WATERPROOF FILM**

Refer to P.23-36.

## DOOR HANDLE AND LATCH REMOVAL AND INSTALLATION

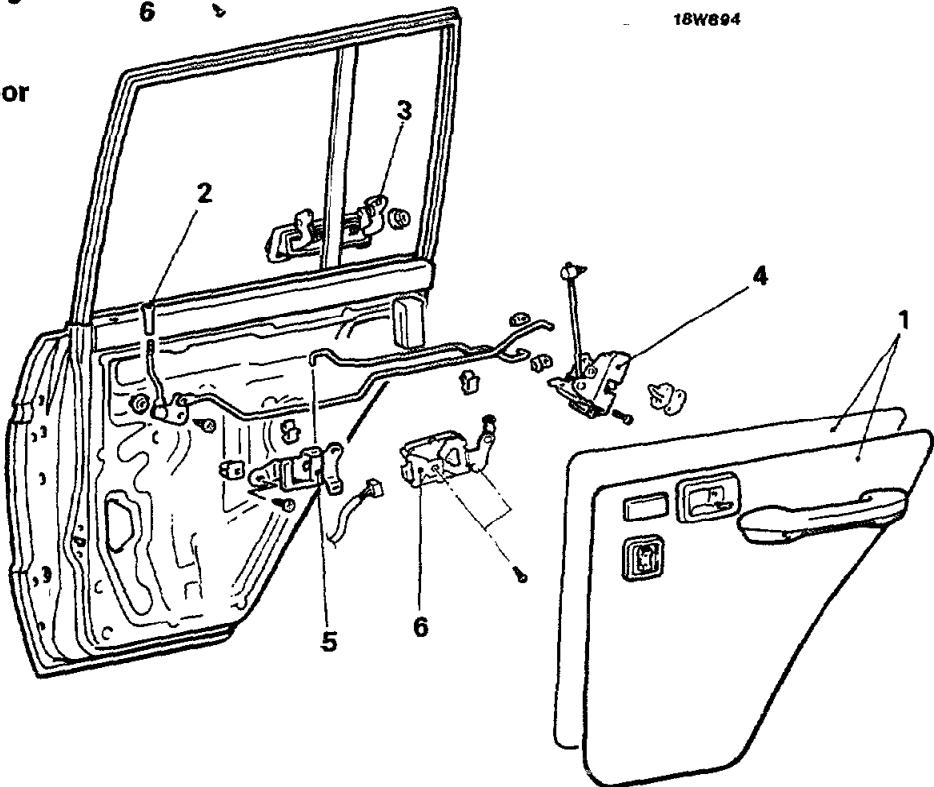
N23MDAQ

Front door



18W894

Rear door



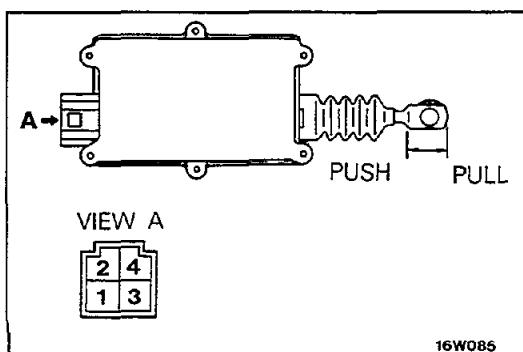
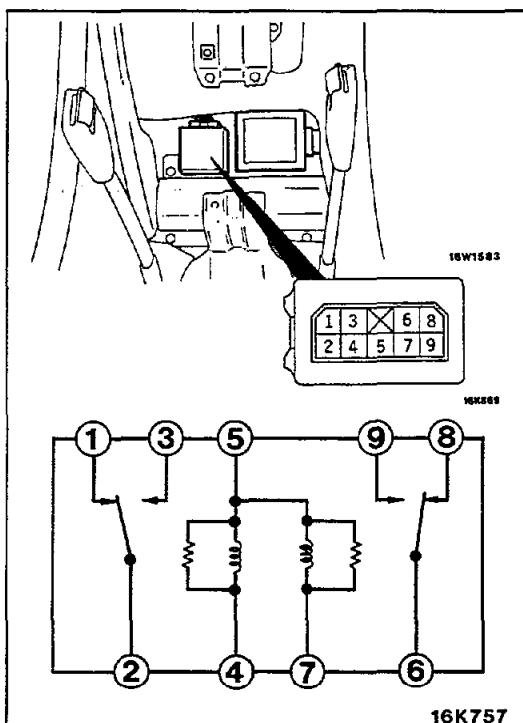
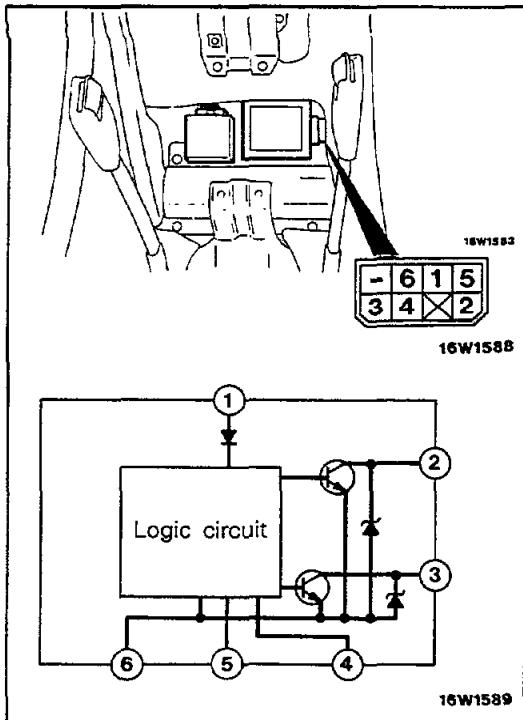
18W895

### Removal steps

- ◆◆◆ 1. Door trim and waterproof film
- ◆◆◆ Adjustment of outside handle
- ◆◆◆ Adjustment of inside handle
- 2. Inside lock knob
- 3. Outside handle
- 4. Door latch
- 5. Inside handle
- ◆◆◆ 6. Door lock actuator <Vehicles equipped with central locking system>

### NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) ◆◆◆ : Refer to "Service Points of Removal".
- (3) ◆◆◆ : Refer to "Service Points of Installation".



## **SERVICE POINTS OF REMOVAL**

## 1. REMOVAL OF DOOR TRIM AND WATERPROOF FILM

Refer to P.23-36.

## INSPECTION

## DOOR LOCK CONTROL UNIT

- (1) Apply battery voltage to the terminal ① and earth the terminal ⑥.
- (2) Verify that the terminal voltage indicated at the terminals ② and ③ is 12V.
- (3) Verify that by earthing the terminal ④ or ⑤ the voltage at the terminal ③ momentarily drops to 0V (about 0.5 second), and then rises back to 12V.
- (4) Verify that by removing the earth from the terminal ④ or ⑤ in the state as described in (3), the voltage at the terminal ② momentarily drops to 0V (about 0.5 second), and then rises back to 12V.

## DOOR LOCK POWER RELAY

Continuity between the terminals is checked.

	1	2	3	4	5	6	7	8	9
No power applied	<input type="radio"/>	<input type="radio"/>				<input type="radio"/>	<input type="radio"/>		
Power applied			<input type="radio"/>						
Power applied		<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Remark:

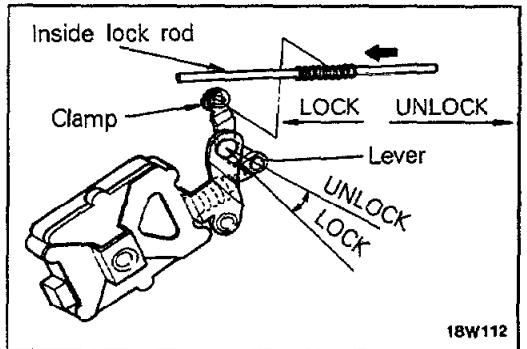
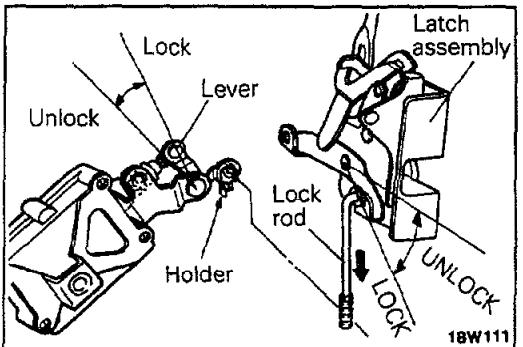
(1)  indicates continuity between terminals.  
 (2)  indicates connection of power source.

## DOOR LOCK ACTUATOR

Verify that the rod properly functions when power source is connected as follows:

	1	2	3	4
PUSH	$\oplus$	$\ominus$		
PULL	$\ominus$	$\oplus$		

Remark:  $\oplus$ --- $\ominus$  indicates connection of power source.



## SERVICE POINTS OF INSTALLATION

### 6. INSTALLATION OF DOOR LOCK ACTUATOR

#### Front Door Lock Actuator

- (1) Put the door-latch-side lock rod into the "LOCK" position.
- (2) Put the door lock actuator lever into the "LOCK" position.
- (3) Securely mount the lever-end holder onto the lock rod.

#### Rear Door Lock Actuator

- (1) Put the inside lock rod into the "LOCK" position.
- (2) Put the door lock actuator lever into the "LOCK" position.
- (3) Securely mount the lever-end clamp onto the lock rod.

- **ADJUSTMENT OF INSIDE HANDLE**

Refer to P. 23-20.

- **ADJUSTMENT OF OUTSIDE HANDLE**

Refer to P. 23-20.

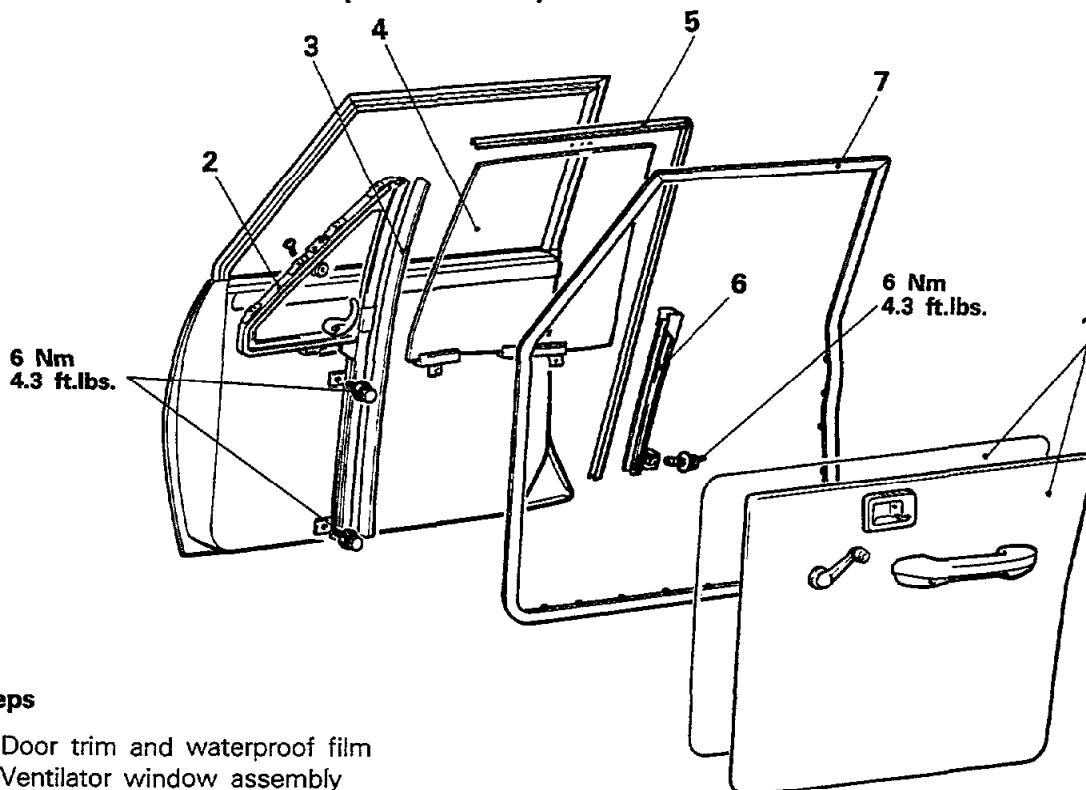
### 1. INSTALLATION OF DOOR TRIM AND WATERPROOF FILM

Refer to P. 23-36.

## WINDOW GLASS RUNCHANNEL AND DOOR OPENING WEATHERSTRIP

### REMOVAL AND INSTALLATION (Front Door)

N23MEAD



#### Removal steps

- ➡➡➡ 1. Door trim and waterproof film
- ➡➡➡ 2. Ventilator window assembly
- ➡➡➡ 3. Door window glass runchannel
- ➡➡➡ 4. Door window glass
- ➡➡➡ 5. Window glass runchannel
- ➡➡➡ 6. Door lower sash
- ➡➡ 7. Door opening weatherstrip

**NOTE**  
 (1) Reverse the removal procedures to reinstall.  
 (2) ➡➡ : Refer to "Service Points of Removal".  
 (3) ➡➡ : Refer to "Service Points of Installation".

18W896

### SERVICE POINTS OF REMOVAL

#### 1. REMOVAL OF DOOR TRIM AND WATERPROOF FILM

Refer to P.23-36.

#### 2. REMOVAL OF VENTILATOR WINDOW ASSEMBLY

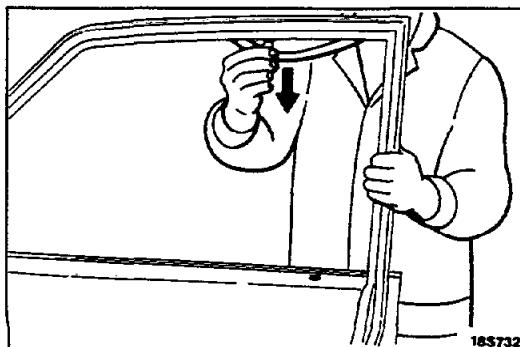
Refer to P.23-39.

#### 4. REMOVAL OF DOOR WINDOW GLASS

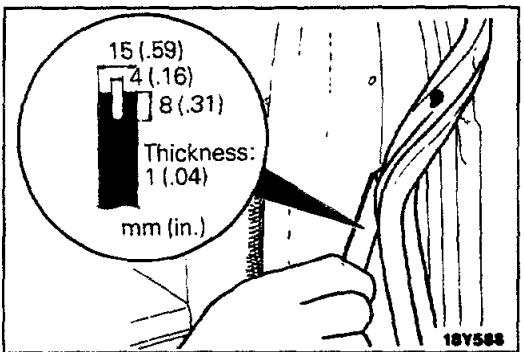
Refer to P.23-39.

#### 5. REMOVAL OF WINDOW GLASS RUNCHANNEL

Remove the window glass runchannel by pressing both sides with your fingers.

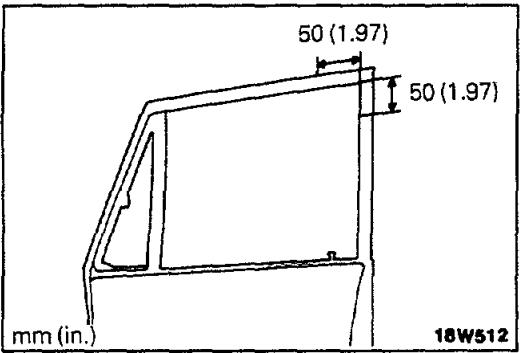


## 23-52 BODY – Window Glass Runchannel and Door Opening Weatherstrip



### 7. REMOVAL OF DOOR OPENING WEATHERSTRIP

Remove the door opening weatherstrip with the tool shown in the illustration.



### SERVICE POINTS OF INSTALLATION

#### 5. APPLICATION OF ADHESIVE TO WINDOW GLASS RUNCHANNEL

Apply the specified adhesive to the positions shown in illustration and install the window glass runchannel.

**Specified adhesive : 3M Adhesive EC-870 or equivalent**

#### 4. INSTALLATION OF DOOR WINDOW GLASS

Refer to P.23-39.

#### 2. INSTALLATION OF VENTILATOR WINDOW ASSEMBLY

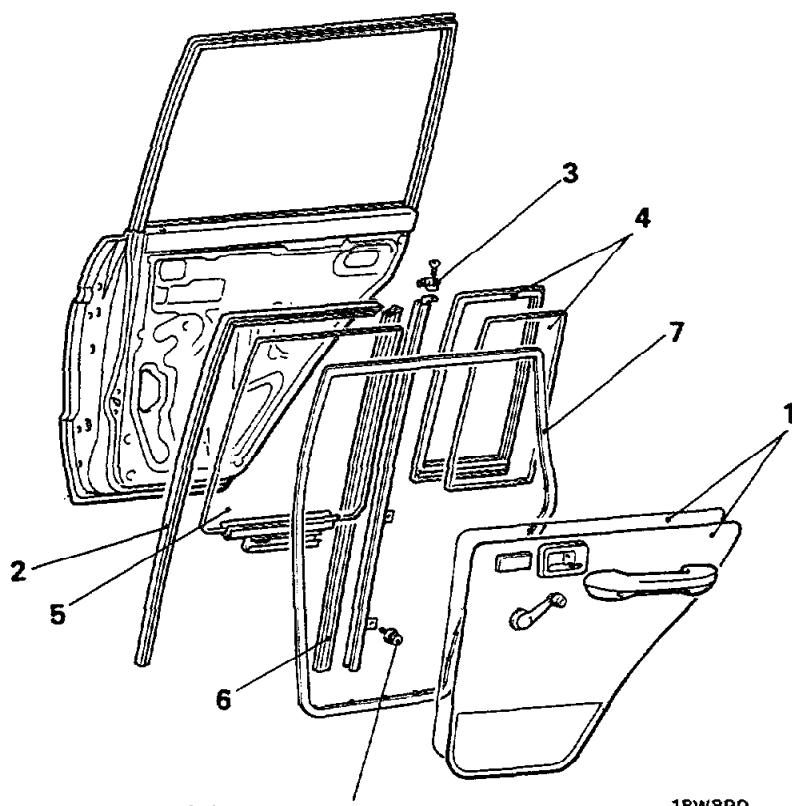
Refer to P.23-39.

#### 1. INSTALLATION OF DOOR TRIM AND WATERPROOF FILM

Refer to P.23-36.

## REMOVAL AND INSTALLATION (Rear Door)

N23MEBE



## Removal steps

- ➡➡➡ 1. Door trim and waterproof film
- 2. Window glass runchannel
- 3. Window center sash
- ➡➡ 4. Stationary window
- ➡➡➡ 5. Door window glass
- 6. Window glass runchannel
- ➡➡ 7. Door opening weatherstrip

18W890

## NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) ➡➡ : Refer to "Service Points of Removal".
- (3) ➡➡ : Refer to "Service Points of Installation".

## SERVICE POINTS OF REMOVAL

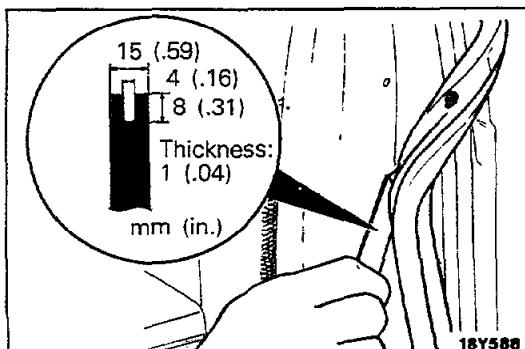
1. REMOVAL OF DOOR TRIM AND WATERPROOF FILM  
Refer to P. 23-36.
4. REMOVAL OF STATIONARY WINDOW  
Refer to P. 23-46.
5. REMOVAL OF DOOR WINDOW GLASS  
Refer to P. 23-46.

## 7. REMOVAL OF DOOR OPENING WEATHERSTRIP

Remove the door opening weatherstrip with the tool shown in the illustration.

## SERVICE POINTS OF INSTALLATION

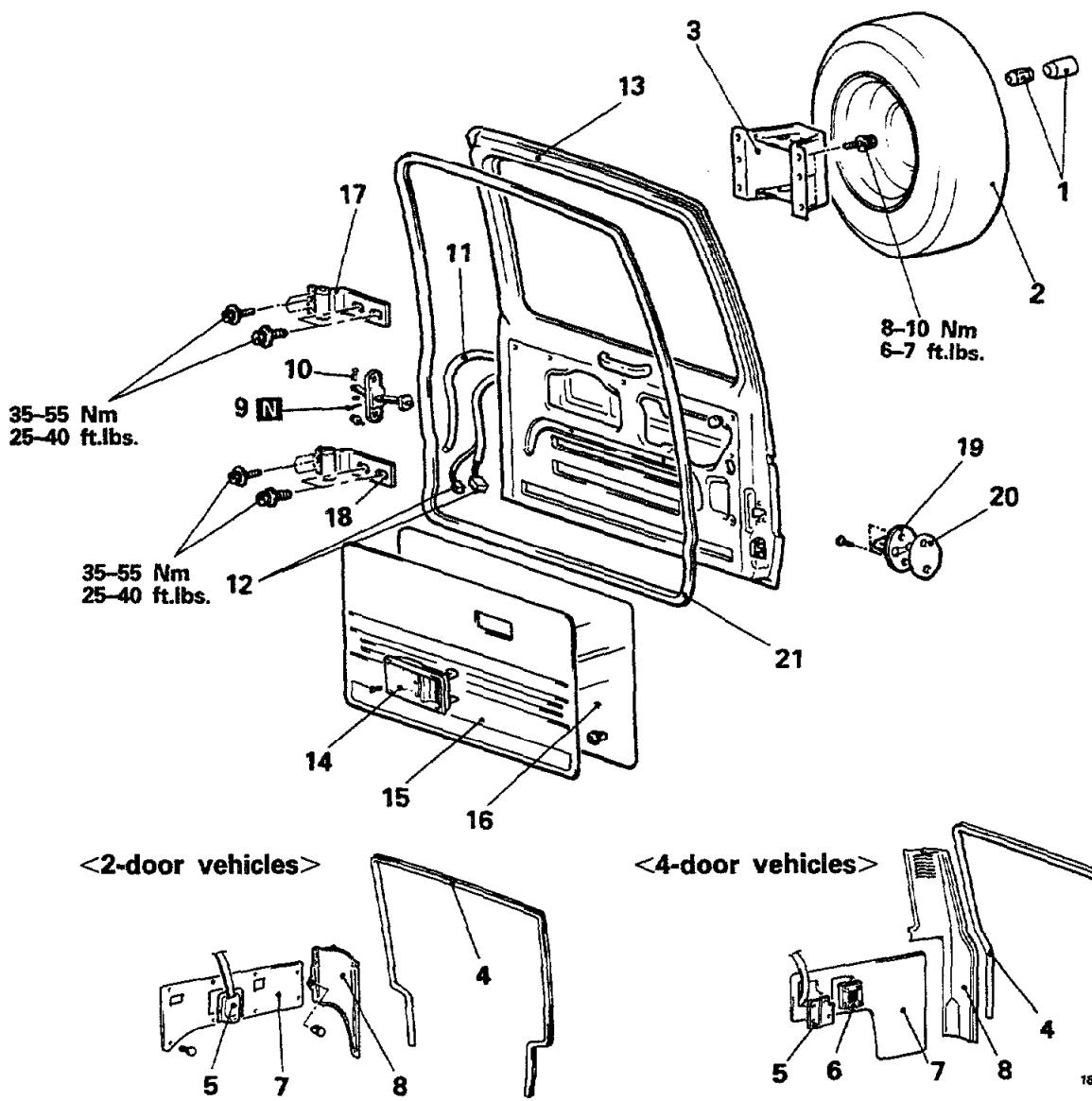
5. INSTALLATION OF DOOR WINDOW GLASS  
Refer to P. 23-47.
1. INSTALLATION OF DOOR TRIM AND WATERPROOF FILM  
Refer to P. 23-36.



# BACK DOOR ASSEMBLY

## REMOVAL AND INSTALLATION

N230AAN



### Back door removal steps

1. Spare tire lock cylinder
2. Spare tire
3. Spare tire carrier
4. Rear opening trim
5. Retractor cover  
<Vehicles with rear seat belts>
6. Speaker <4-door vehicles>
7. Quarter trim
8. Rear pillar lower trim <2-door vehicles>  
Rear pillar trim <4-door vehicles>
9. Cotter pin
10. Clevis pin
11. Connection of rear washer tube  
<Vehicles with a rear wiper>

12. Connection of back door wiring harness connectors

13. Back door

14. Inside handle cover

15. Back door trim

16. Waterproof film

17. Door upper hinge

18. Door lower hinge

### Striker removal steps

19. Striker
20. Striker shim

### Door opening weatherstrip

21. Door opening weatherstrip

#### NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) : Refer to "Service Points of Removal".
- (3) : Refer to "Service Points of Installation".
- (4) : Non-reusable parts

**SERVICE POINTS OF REMOVAL****7. REMOVAL OF QUARTER TRIM**

Refer to P.23-87, 90, 92.

**8. REMOVAL OF REAR PILLAR LOWER TRIM <2-Door Vehicles> / REMOVAL OF REAR PILLAR TRIM <4-Door Vehicles>**

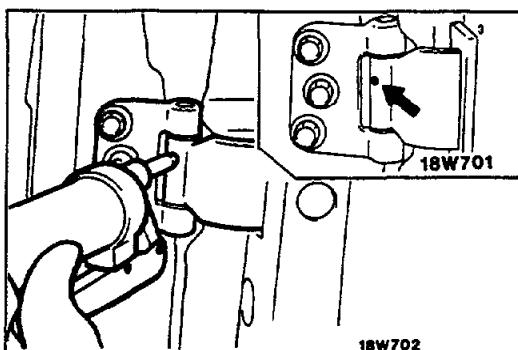
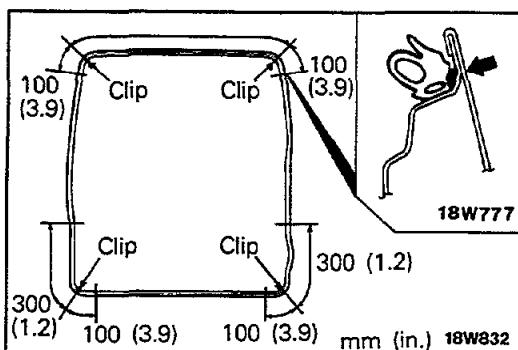
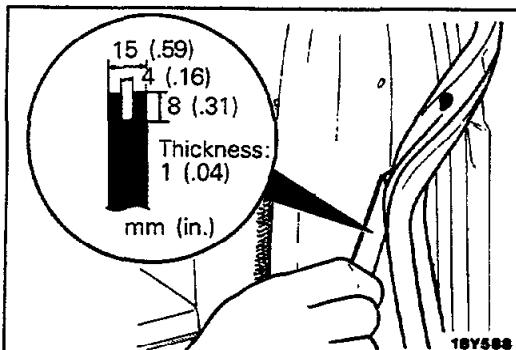
Refer to P.23-87, 90, 92.

**15. REMOVAL OF BACK DOOR TRIM/16. WATERPROOF FILM**

Refer to P.23-56.

**21. REMOVAL OF DOOR OPENING WEATHERSTRIP**

Remove the door opening weatherstrip with the tool shown in the illustration.

**SERVICE POINTS OF INSTALLATION****21. APPLICATION OF ADHESIVE TO DOOR OPENING WEATHERSTRIP**

Apply a coating of specified adhesive at the position shown in the illustration, and then attach the door opening weatherstrip.

**Specified adhesive : 3M ART Part No. 8626 or 3M Adhesive EC-5310, or equivalent**

**18. APPLICATION OF GREASE TO DOOR LOWER HINGE/17. DOOR UPPER HINGE**

Supply multipurpose grease from the grease holes of the door hinges.

**NOTE**

The nozzle of the grease gun should have a small-diameter tip.

**16. WATERPROOF FILM**

Refer to P.23-56.

**• ADJUSTMENT OF BACK DOOR INSTALLATION**

Refer to P.23-21.

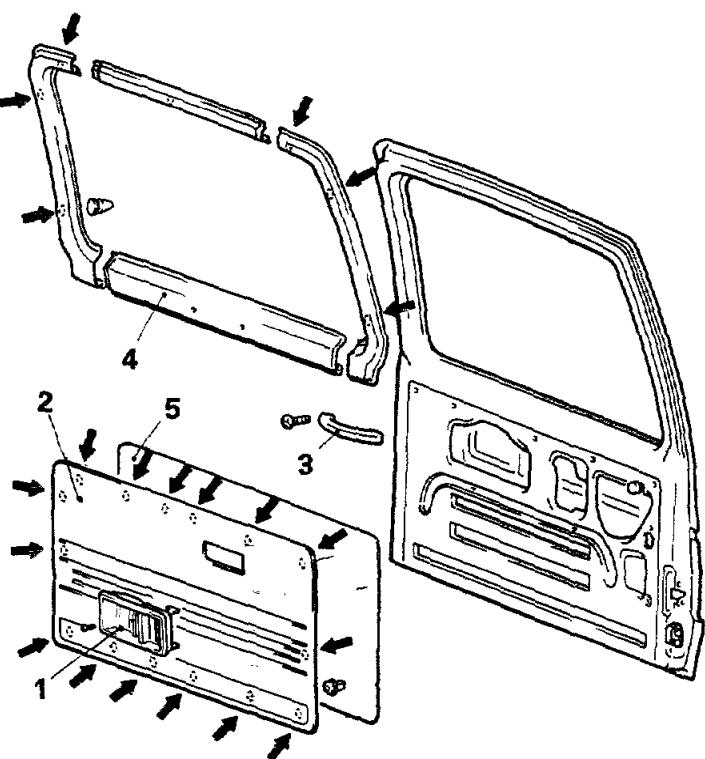
**3. INSTALLATION OF SPARE TIRE CARRIER**

Refer to GROUP 22 – Spare Tire Carrier.

## BACK DOOR TRIM

## REMOVAL AND INSTALLATION

N230BAF



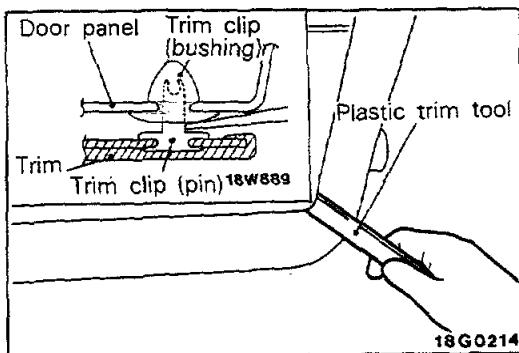
## Removal steps

1. Inside handle cover
2. Back door trim
3. Armrest
4. Tailgate trim
5. Waterproof film

## NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) : Refer to "Service Points of Removal".
- (3) : Refer to "Service Points of Installation".
- (4) : Clipping position

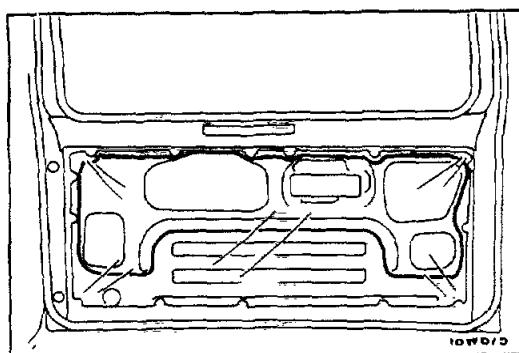
18W916



## SERVICE POINTS OF REMOVAL

## 2. REMOVAL OF BACK DOOR TRIM

Insert a plastic trim tool between the trim clip (bushing) and trim clip (pin), and then pry the trim clip to remove.



## SERVICE POINTS OF INSTALLATION

## 5. APPLICATION OF ADHESIVE TO WATERPROOF FILM

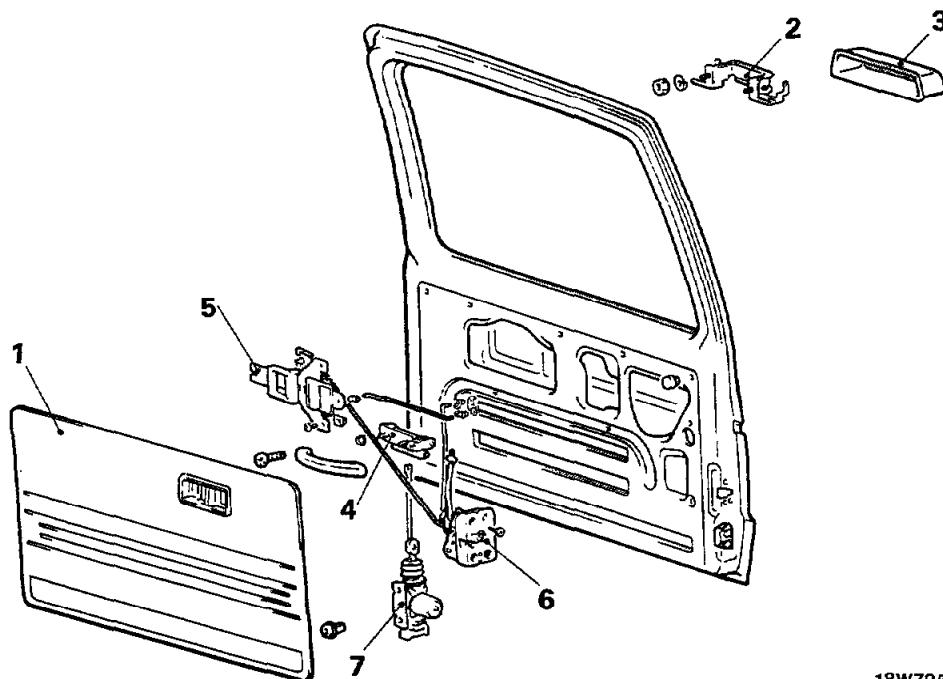
Apply specified adhesive at the positions shown in the illustration, and then attach the waterproof film.

Specified adhesive : 3M ART Part No. 8626 or 3M Adhesive EC-5310, or equivalent

## BACK DOOR HANDLE AND LATCH

## REMOVAL AND INSTALLATION

N230CAF



18W795

## Removal steps

- ◀▶ 1. Back door trim and waterproof film
- ▶◀ 2. Adjustment of outside handle
- 2. Back door garnish bracket
- 3. Back door garnish
- 4. Outside handle
- 5. Inside handle
- 6. Back door latch
- 7. Back door lock actuator

## NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) ◀▶ : Refer to "Service Points of Removal".
- (3) ▶◀ : Refer to "Service Points of Installation".

## SERVICE POINTS OF REMOVAL

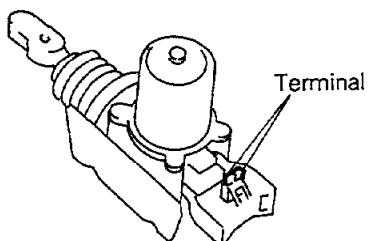
## 1. REMOVAL OF BACK DOOR TRIM AND WATERPROOF FILM

Refer to P.23-56.

## INSPECTION

## BACK DOOR LOCK ACTUATOR

Connect the battery source to the actuator terminal, and check the shaft for operation. If the shaft moves in opposite direction when the connection polarity is changed, the actuator should be considered to be in normal condition.



16W046

## SERVICE POINTS OF INSTALLATION

## • ADJUSTMENT OF OUTSIDE HANDLE

Refer to P.23-21.

## 1. INSTALLATION OF BACK DOOR TRIM AND WATERPROOF FILM

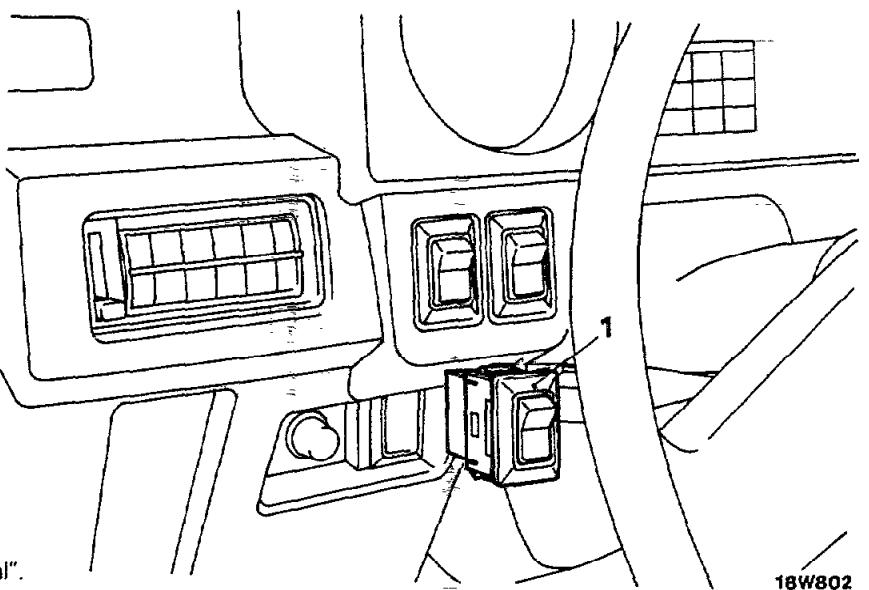
Refer to P.23-56.

## BACK DOOR LOCK SWITCH REMOVAL AND INSTALLATION

N230EAB

◆◆ 1. Back door lock switch

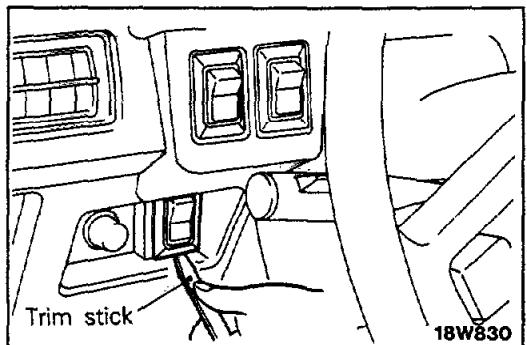
NOTE  
◆◆ : Refer to "Service Points of Removal".



### SERVICE POINTS OF REMOVAL

#### 1. REMOVAL OF BACK DOOR LOCK SWITCH

- (1) Pry off the switch by using the trim stick and pull out the switch from the meter hood.
- (2) Disconnect the connector from the back of the switch and take out the switch.



### INSPECTION

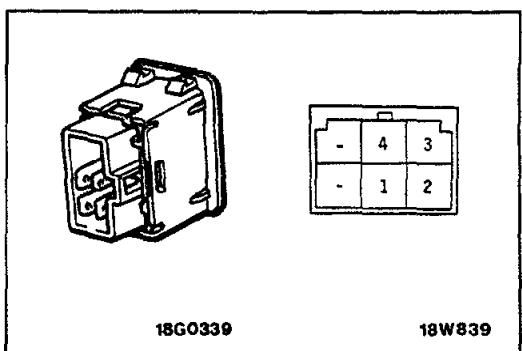
#### BACK DOOR LOCK SWITCH

Operate the switch, and check the continuity between the terminals.

Terminal Position	1	2	3	4
UNLOCK	○		○	○
OFF				
LOCK	○	○	○	○

NOTE

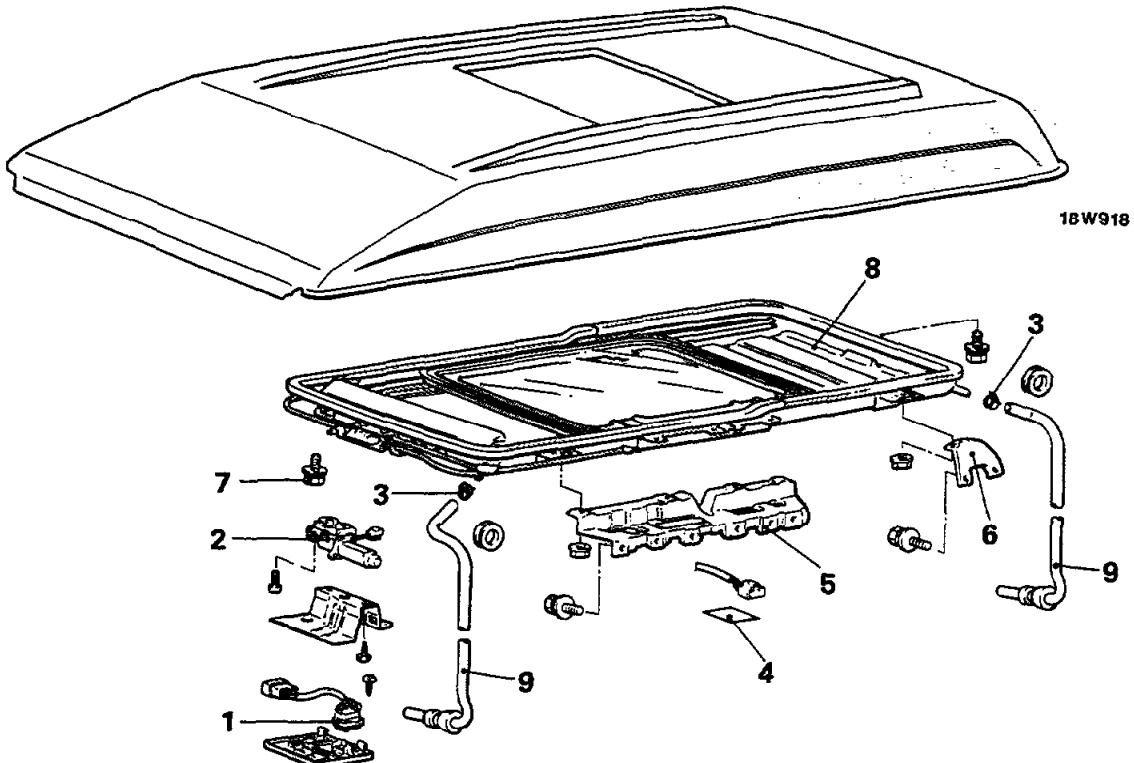
○○ indicates that there is continuity between the terminals.



## SUNROOF

### REMOVAL AND INSTALLATION

N23TAAJ



#### Removal steps

- 1. Sunroof switch
- ➡➡➡ 2. Motor assembly
- 3. Clips
- 4. Interior lamp harness holding tape
- 5. Front set brackets
- 6. Rear set brackets
- 7. Bolts
- 8. Sunroof assembly
- 9. Drain pipes

#### Pre-removal Operation

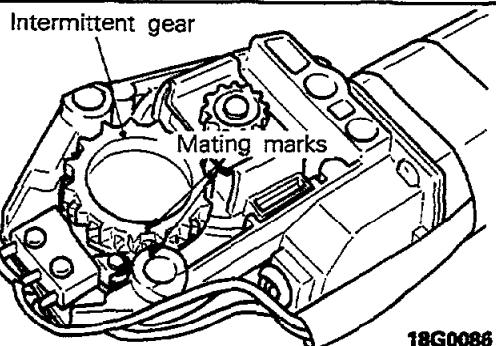
- Removal of the Headlining  
(Refer to P. 23-84.)

#### Post-installation Operation

- (1) Checking for Water Leakage
- (2) Installation of the Headlining.  
(Refer to P. 23-84.)

#### NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) ➡➡ : Refer to "Service Points of Removal".
- (3) ➡➡ : Refer to "Service Points of Installation".



## SERVICE POINTS OF REMOVAL

### 2. REMOVAL OF MOTOR ASSEMBLY

- (1) Remove the motor assembly after fully closing the sunroof.

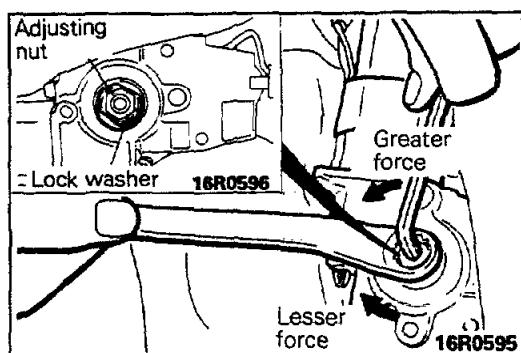
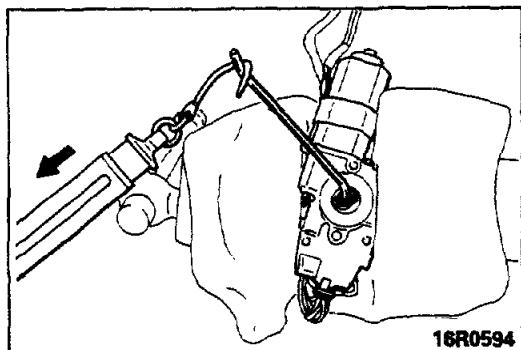
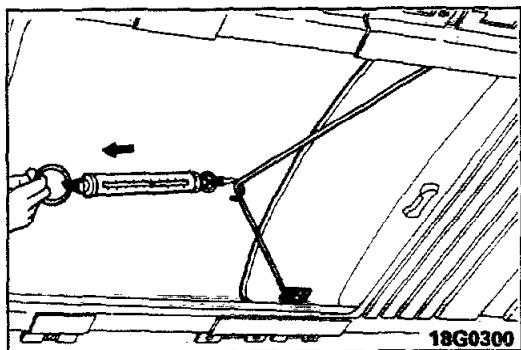
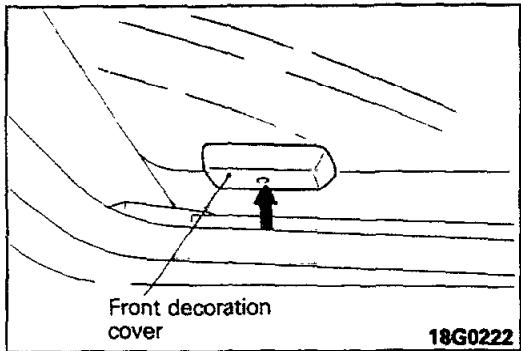
#### NOTE

If the sunroof won't move, make a mating mark on the roof lid and on the guide rail.

- (2) Make a mating mark on the motor assembly's intermittent gear and the bracket.

## INSPECTIONS

- Check the gears of the motor assembly for unusual wear.
- Check for foreign material in the guide rail assembly.
- Check the condition of the deflector.



## CHECKING THE SLIDING RESISTANCE OF THE ROOF LID

Check the sliding resistance of the roof lid as described below.

1. Remove the front decoration covers.
2. Remove the front guide assembly's front nut and tie a cord.
3. Using a spring balance, measure the sliding resistance of the roof lid.

**Standard value : 200 N (44 lbs.) or less**

4. If the sliding resistance of the roof lid exceeds the standard value, check the points described below.
  - (1) Check the installation condition of the guide rail assembly.
  - (2) Check the guide bracket for unusual wear, deformation or damage.
  - (3) Check for stiffness, catching, etc. of the drive cable.
  - (4) Check for deformation of the drive tube.

## CHECKING THE CLUTCH SLIDING FORCE

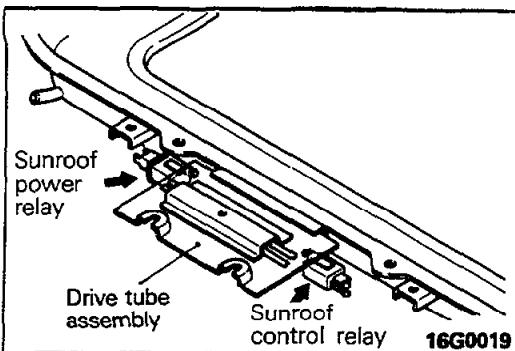
Check the sliding force of the clutch as described below.

1. Fit the hexagonal wrench (included) into the hexagonal hole in the motor drive shaft. Then, using a spring balance, measure the force when the motor's clutch just begins to slip.

**Standard value : 30-40 N (6.6-8.8 lbs.)**

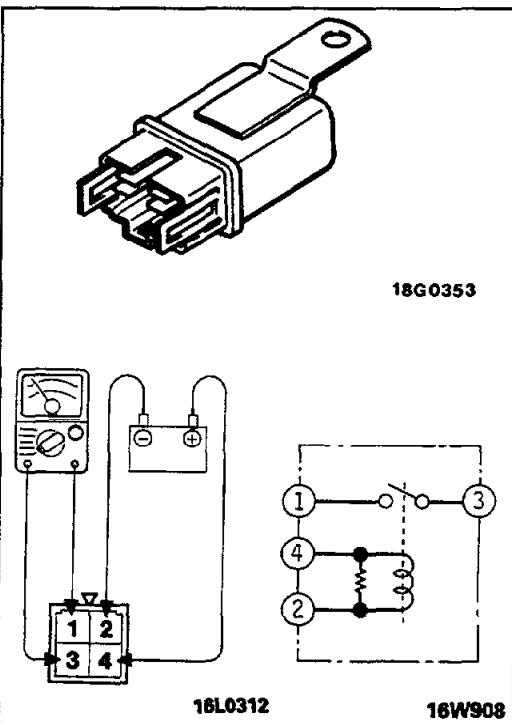
## Caution

1. The spring balance must be kept at a 90° angle relative to the wrench.
2. Be sure to use the wrench included with the vehicle; if any other wrench is used, the clutch slip force measurement will change.
2. If the clutch slip force is not within the standard value, adjust by turning the motor's adjustment nut to the left and right.
3. After the adjustment is completed, secure the adjustment nut by the lock washer.



### SUNROOF RELAY

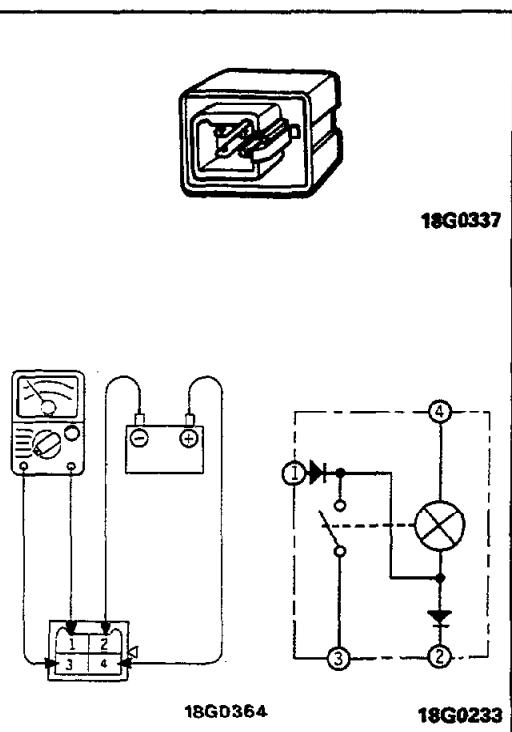
- (1) Remove the front headlining. (Refer to P. 23-84.)
- (2) Remove the sunroof power relay and sunroof control relay from the drive tube assembly.



### Sunroof power relay

Connect battery power source to terminal 2. Check circuit between terminals when terminal 4 grounded.

Power is supplied	Between 1–3 terminals	Continuity
Power is not supplied	Between 1–3 terminals	No continuity
	Between 2–4 terminals	Continuity



### Sunroof control relay

- (1) Connect battery to terminal 2 and check continuity between terminals with terminal 4 ground.

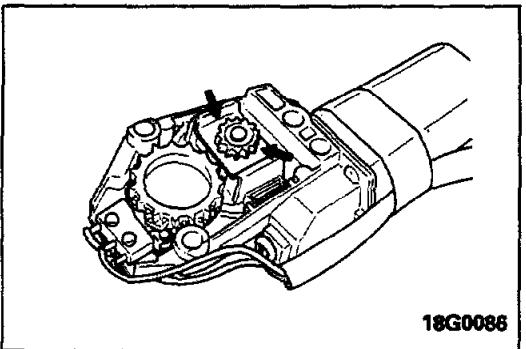
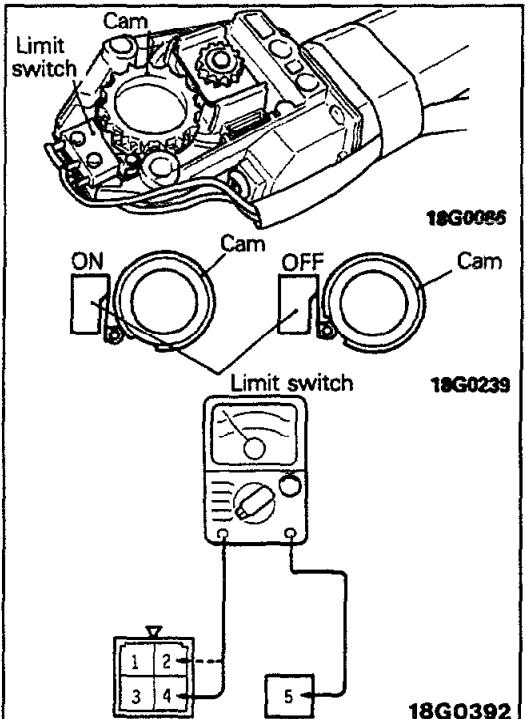
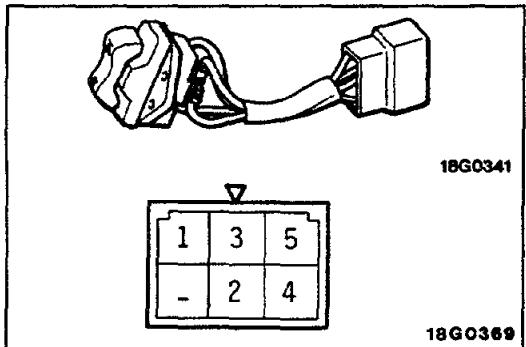
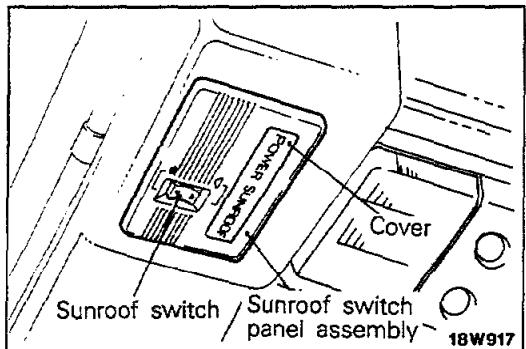
Battery voltage \ Terminal	1	2	3	4
Power is not supplied	○	○	○	○
Power is supplied	○		○	

#### NOTE

○—○ indicates there is continuity between the terminals.

- (2) Check diode circuit as follows.

Terminal \ Continuity	1	2
Yes	+	-
No	-	+



### SUNROOF SWITCH

- (1) Remove the cover and sunroof switch panel assembly. (Refer to P. 23-85.)
- (2) Remove the sunroof switch.
- (3) Operate sunroof switch and check circuit between switch terminals.

Switch position	Terminal 1	2	3	4	5
Open	○	○	○	○	
OFF		○	○	○	○
Close	○	○	○		○

NOTE

○-○ indicates there is continuity between the terminals.

### LIMIT SWITCH

- (1) Remove the sunroof motor.
- (2) Turn sunroof motor and check circuit between limit switch terminals.

Switch position	Terminal 2	4	5
ON		○	○
OFF	○	○	

NOTE

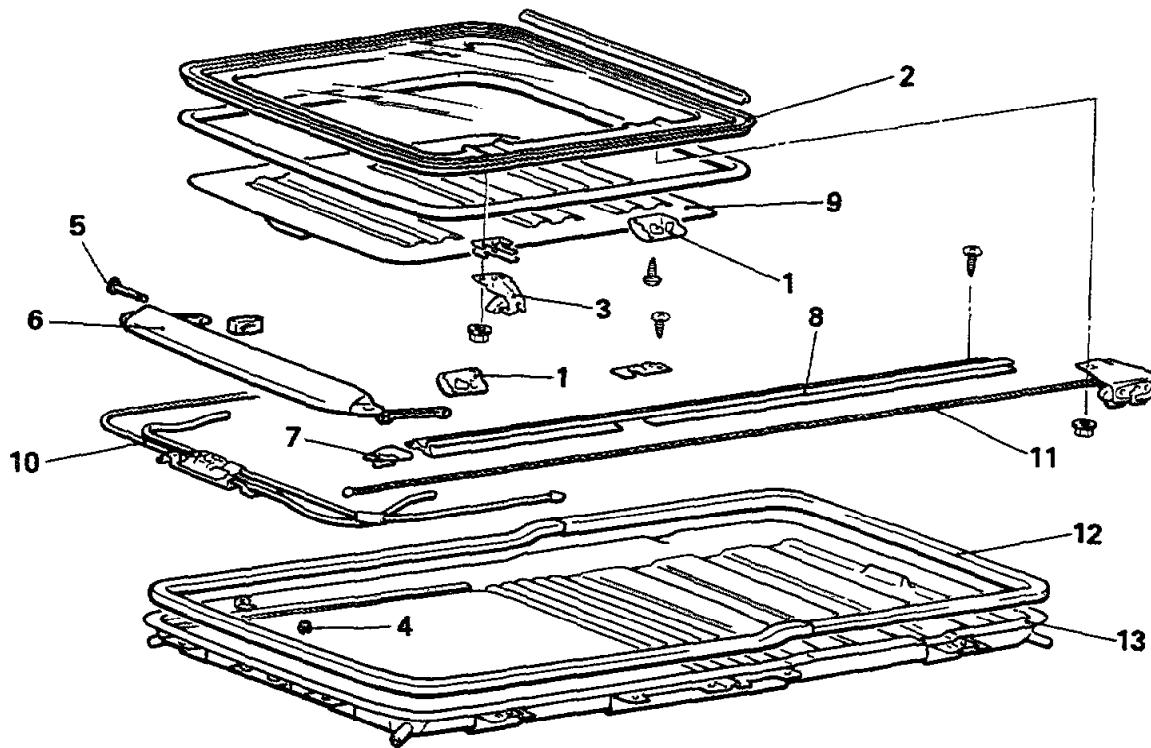
○-○ indicates there is continuity between the terminals.

### SERVICE POINTS OF INSTALLATION

#### 2. INSTALLATION OF MOTOR ASSEMBLY

- (1) Apply the multipurpose grease onto the pinion gear of motor.
- (2) When replacing motor, install with roof lid open [about 200 mm (7.9 in.)] and limit switch OFF.

## DISASSEMBLY AND REASSEMBLY



18G0471

## Disassembly steps

1. Decoration covers
2. Roof lid
3. Front guide bracket
4. Snap ring
5. Link pin
6. Deflector assembly
7. Rail end covers
8. Guide rail assemblies
9. Sunshade
10. Drive tube
11. Rear guide and cable assemblies
12. Seal tape
13. Housing assembly

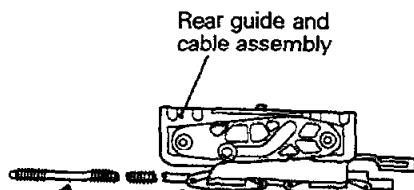
## NOTE

- (1) Reverse the disassembly procedures to reassemble.
- (2) ►► : Refer to "Service Points of Reassembly".

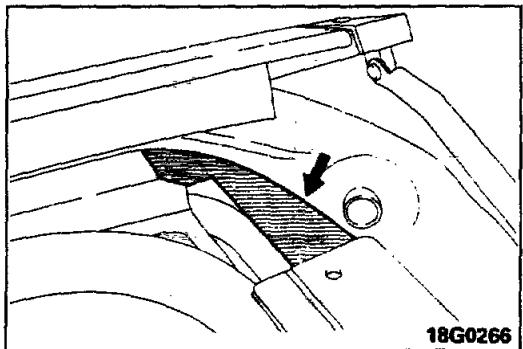
## SERVICE POINTS OF REASSEMBLY

## 11. APPLICATION OF GREASE TO REAR GUIDE AND CABLE ASSEMBLY

Apply a coating of the multipurpose grease to the guide's moving part, link and cable.



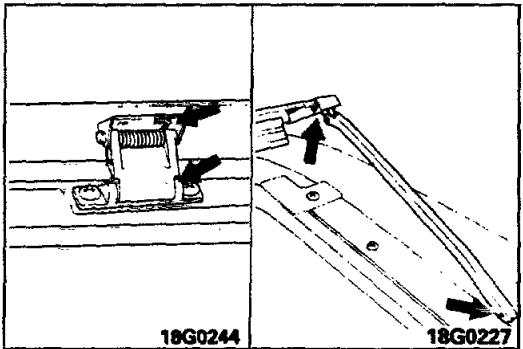
18G0245



### 7. APPLICATION OF SEALANT TO RAIL END COVER INSTALLATION PART

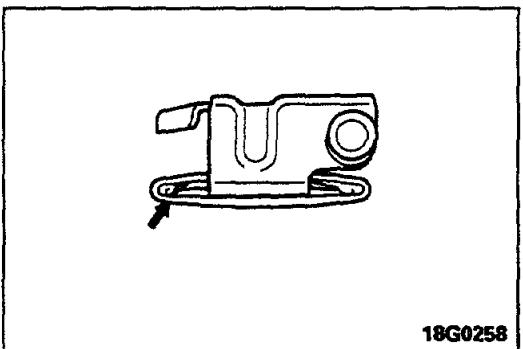
Apply a coating of the specified sealant to the rail end cover installation part.

**Specified sealant : 3M ART Part No. 8531 or 8646 or  
3M Adhesive EC-2153 or EC-5528,  
or equivalent**



### 6. APPLICATION OF GREASE TO DEFLECTOR ASSEMBLY

Apply a coating of the multipurpose grease to the deflector assembly's link and hinges' moving parts.

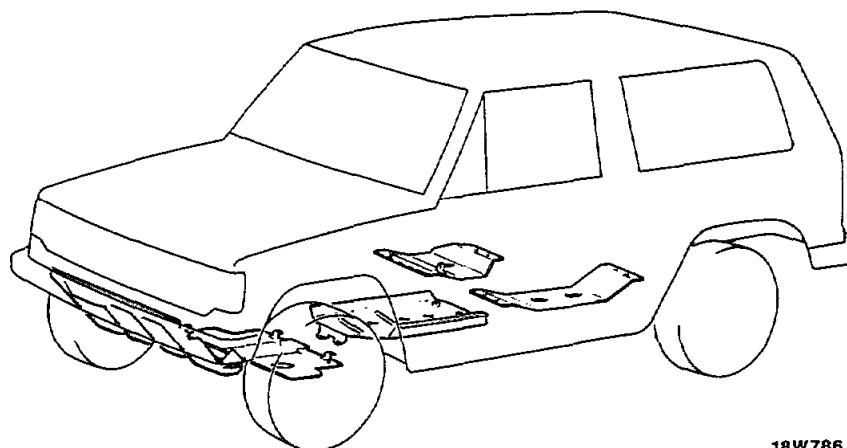


### 3. APPLICATION OF GREASE TO FRONT GUIDE BRACKET

Apply a coating of the multipurpose grease to the guide's moving part and the link.

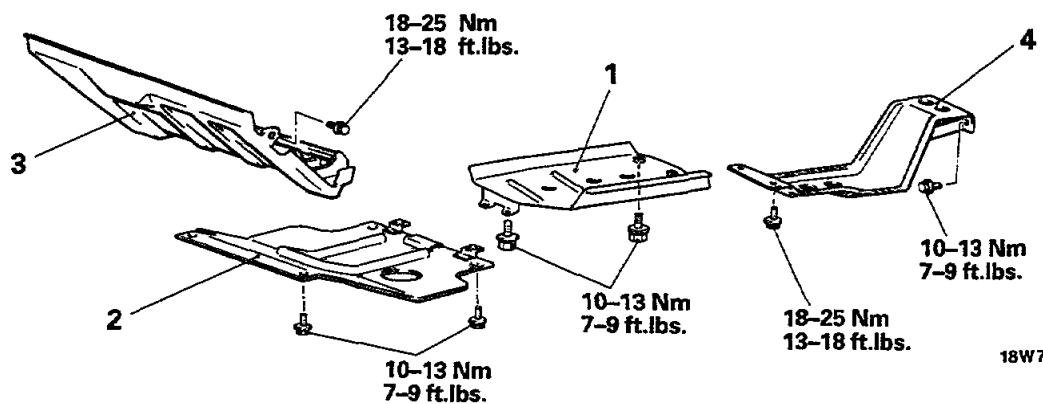
**UNDER GUARD****REMOVAL AND INSTALLATION**

N23WAAA



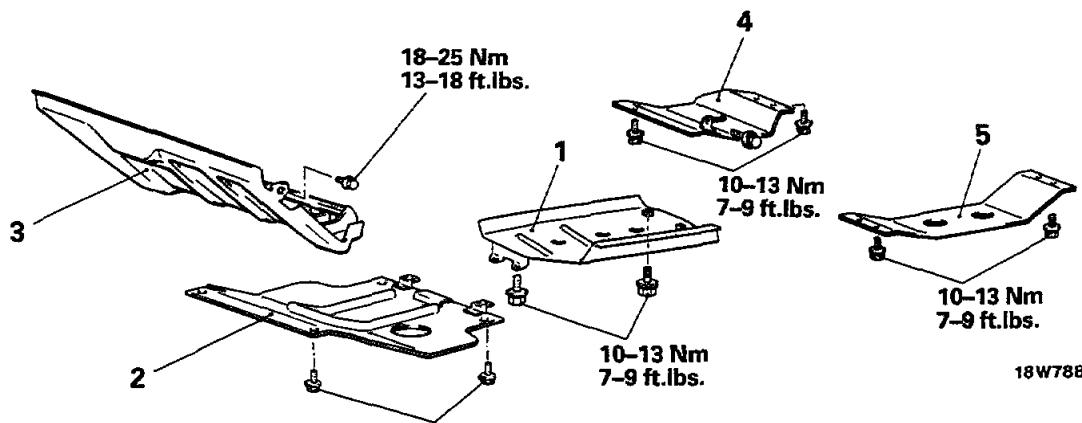
18W786

**<Vehicles with a manual transmission>**



18W787

**<Vehicles with an automatic transmission>**



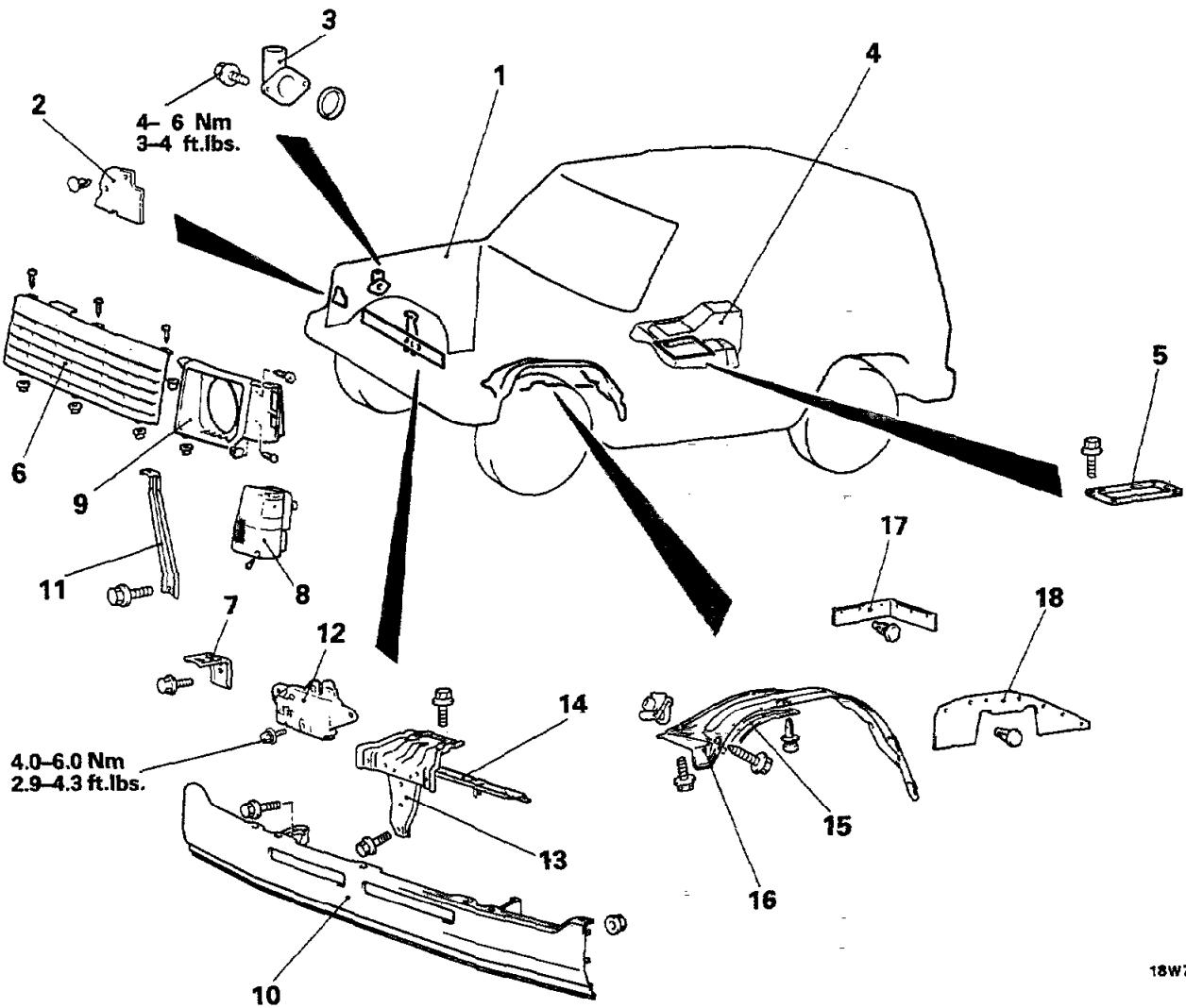
18W788

1. Snow-protection under cover
2. Under cover
3. Under skid plate
4. Transfer case protector
5. Cross shaft protector

## LOOSE PANEL

## REMOVAL AND INSTALLATION

N23SAAC



18W790

## Waterproof pad and air duct removal steps

- ◆◆◆ 1. Front fender
- ◆◆ 2. Waterproof pad
- 3. Air duct

Front floor cover removal steps  
<Vehicles with a manual transmission>

- ◆◆ 4. Floor console
- 5. Front floor cover

## Radiator grille bracket removal steps

- 6. Radiator grille
- 7. Radiator grille bracket

## Bridge panel cover assembly removal steps

- 6. Radiator grille
- 8. Front combination light
- 9. Head light bezel

10. Grille filler panel assembly

11. Hood catch stay

◆◆ 12. Hood latch

13. Hood catch bracket assembly

14. Bridge panel cover assembly

## Splash shield removal steps

15. Partial wheel lip

◆◆ 16. Splash shield

## Shield rubbers

17. Shield rubber &lt;Vehicles with an automatic transmission&gt;

18. Shield rubber

## NOTE

(1) Reverse the removal procedures to reinstall.

(2) ◆◆ : Refer to "Service Points of Removal".

(3) ◆◆ : Refer to "Service Points of Installation".

**SERVICE POINTS OF REMOVAL****1. REMOVAL OF FRONT FENDER**

Refer to P.23-28.

**4. REMOVAL OF FLOOR CONSOLE**

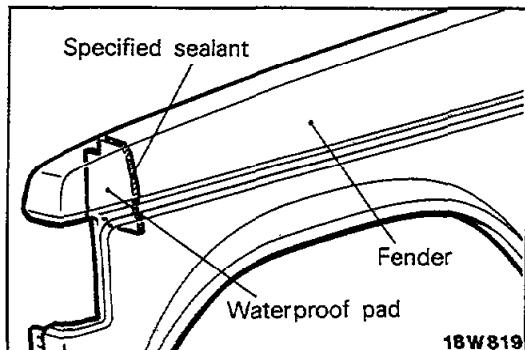
Refer to P.23-77.

**SERVICE POINTS OF INSTALLATION****16. INSTALLATION OF SPLASH SHIELD**

Refer to P.23-28.

**12. INSTALLATION OF HOOD LATCH**

Refer to P.23-25.

**2. APPLICATION OF SEALANT TO WATERPROOF PAD**

Apply the specified sealant to the places marked in the figure.

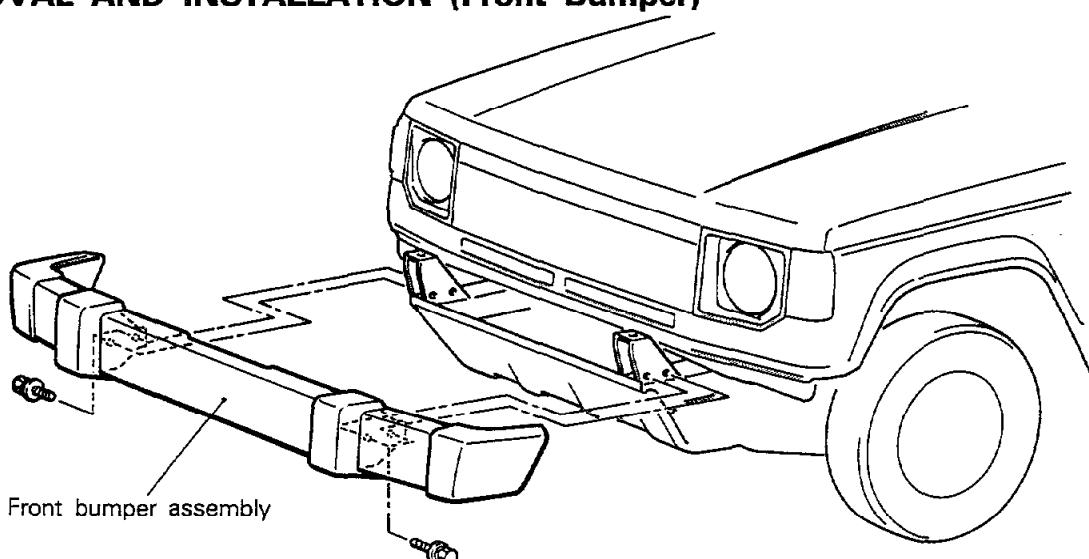
**Specified sealant : 3M ART Part No. 8001 or No. 8011, or equivalent**

**1. INSTALLATION OF FRONT FENDER**

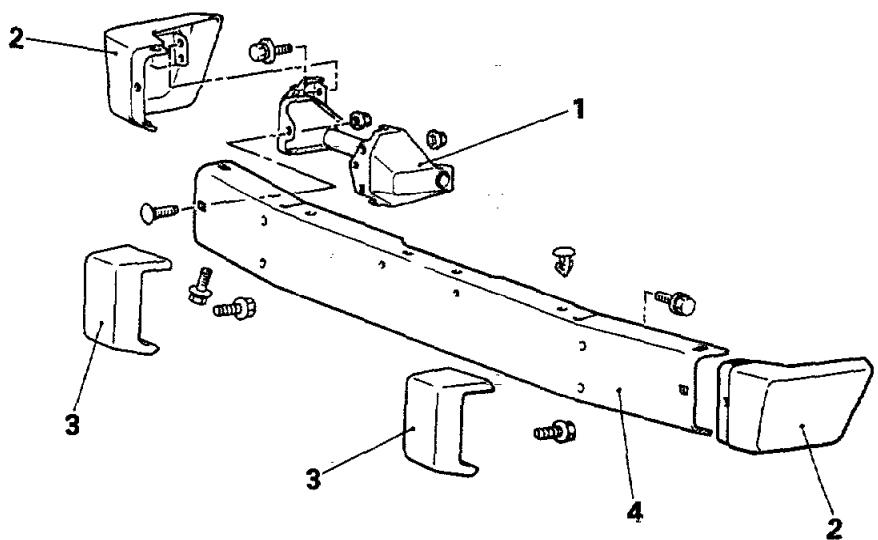
Refer to P.23-28.

**BUMPERS****REMOVAL AND INSTALLATION (Front Bumper)**

N23ZBABA



## DISASSEMBLY AND REASSEMBLY (Front Bumper)



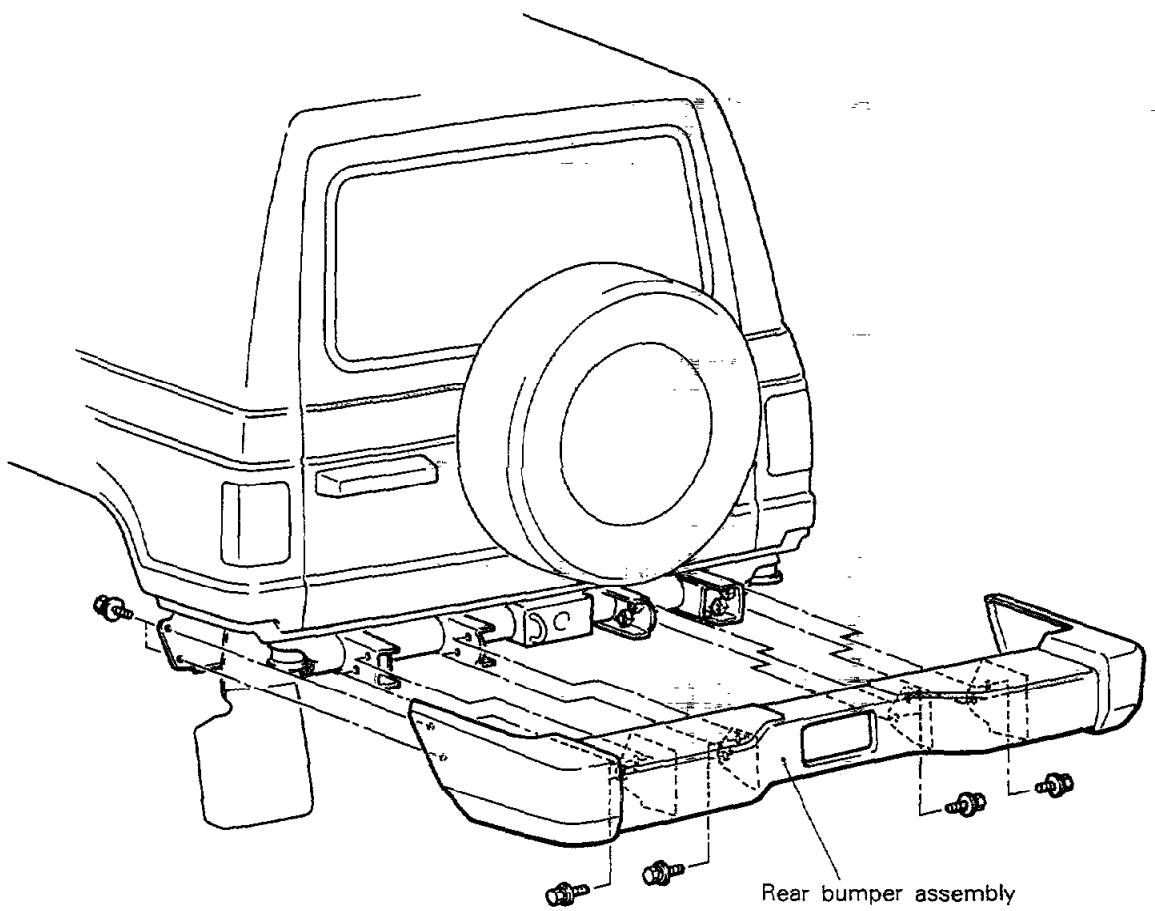
## Disassembly steps

1. Bumper stay assembly
2. Front bumper side
3. Bumper guard
4. Front bumper center

NOTE  
Reverse the disassembly procedures to reassemble.

18W771

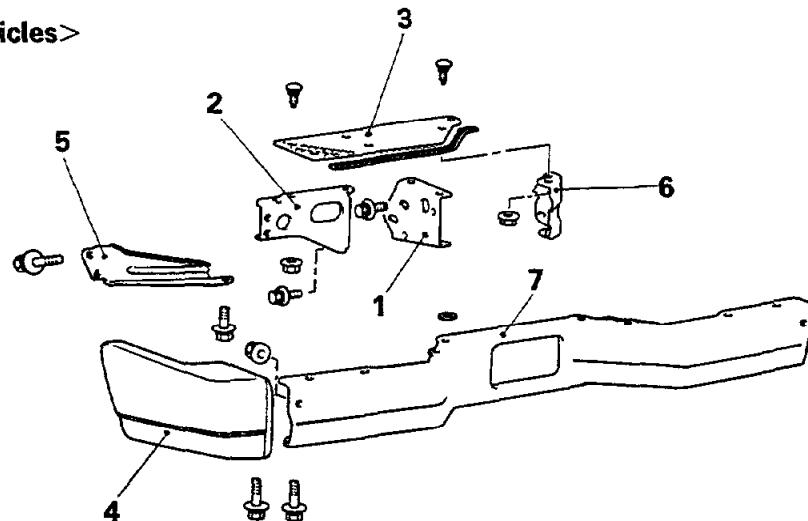
## REMOVAL AND INSTALLATION (Rear Bumper)



18W821

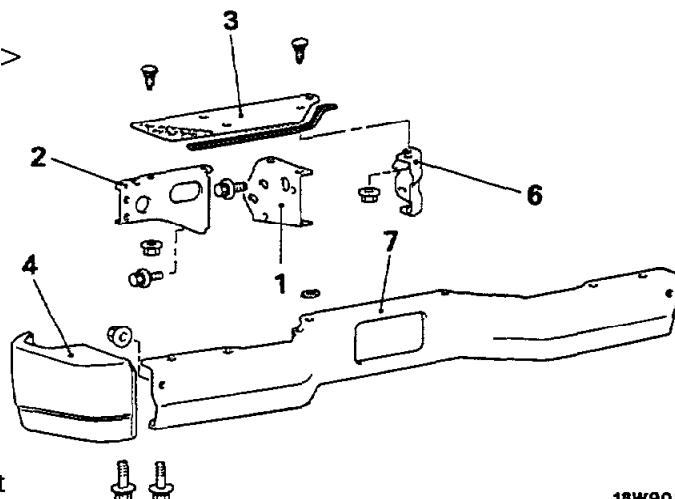
## DISASSEMBLY AND REASSEMBLY (Rear Bumper)

&lt;2-door vehicles&gt;



18W909

&lt;4-door vehicles&gt;



18W908

## Disassembly steps

1. Rear bumper stay
2. Rear bumper reinforcement
3. Rear bumper plate
4. Rear bumper side
5. Side bumper stay <2-door vehicles>
6. Rear bumper stay
7. Rear bumper face

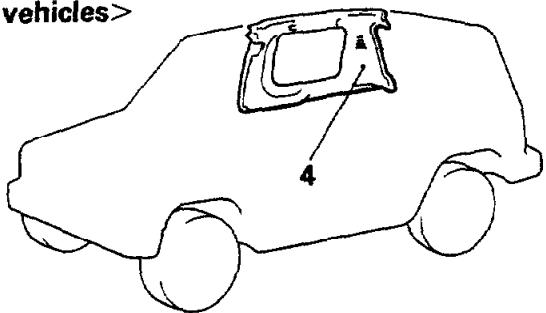
## NOTE

Reverse the disassembly procedures to reassemble.

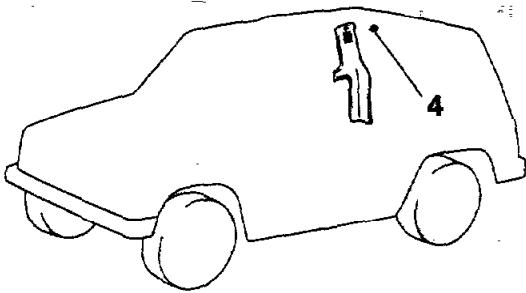
## GRILLE, GARNISH REMOVAL AND INSTALLATION

N23RAAF

&lt;2-door vehicles&gt;

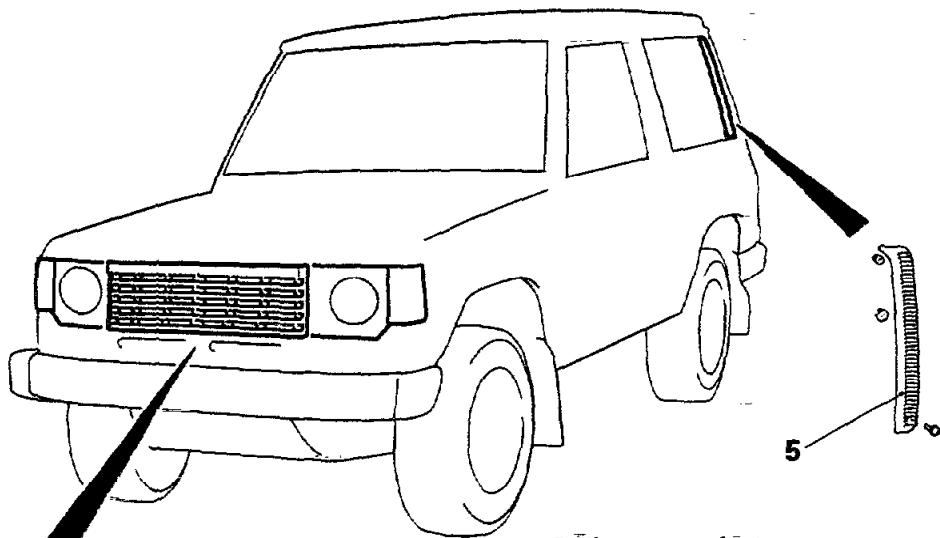


&lt;4-door vehicles&gt;



1BW826

1BW907



1BW827

**Grille removal steps**

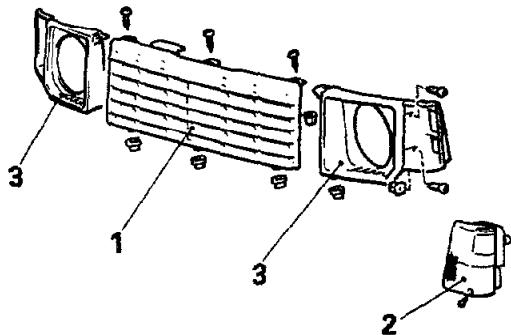
1. Radiator grille
2. Front combination light
3. Headlight bezel

**Air outlet garnish removal**

↔↔↔ 4. Upper quarter trim <2-door vehicles>  
 Plug <4-door vehicles>  
 5. Air outlet garnish

**NOTE**

- (1) Reverse the removal procedures to reinstall.
- (2) ↔↔ : Refer to "Service Points of Removal".
- (3) ↔↔ : Refer to "Service Points of Installation".

**SERVICE POINTS OF REMOVAL**

### 4. REMOVAL OF UPPER QUARTER TRIM <2-door Vehicles>

Refer to P.23-87.

**SERVICE POINTS OF INSTALLATION**

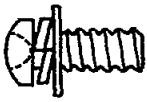
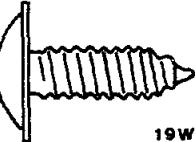
### 4. INSTALLATION OF UPPER QUARTER TRIM <2-Door Vehicles>

Refer to P.23-87.

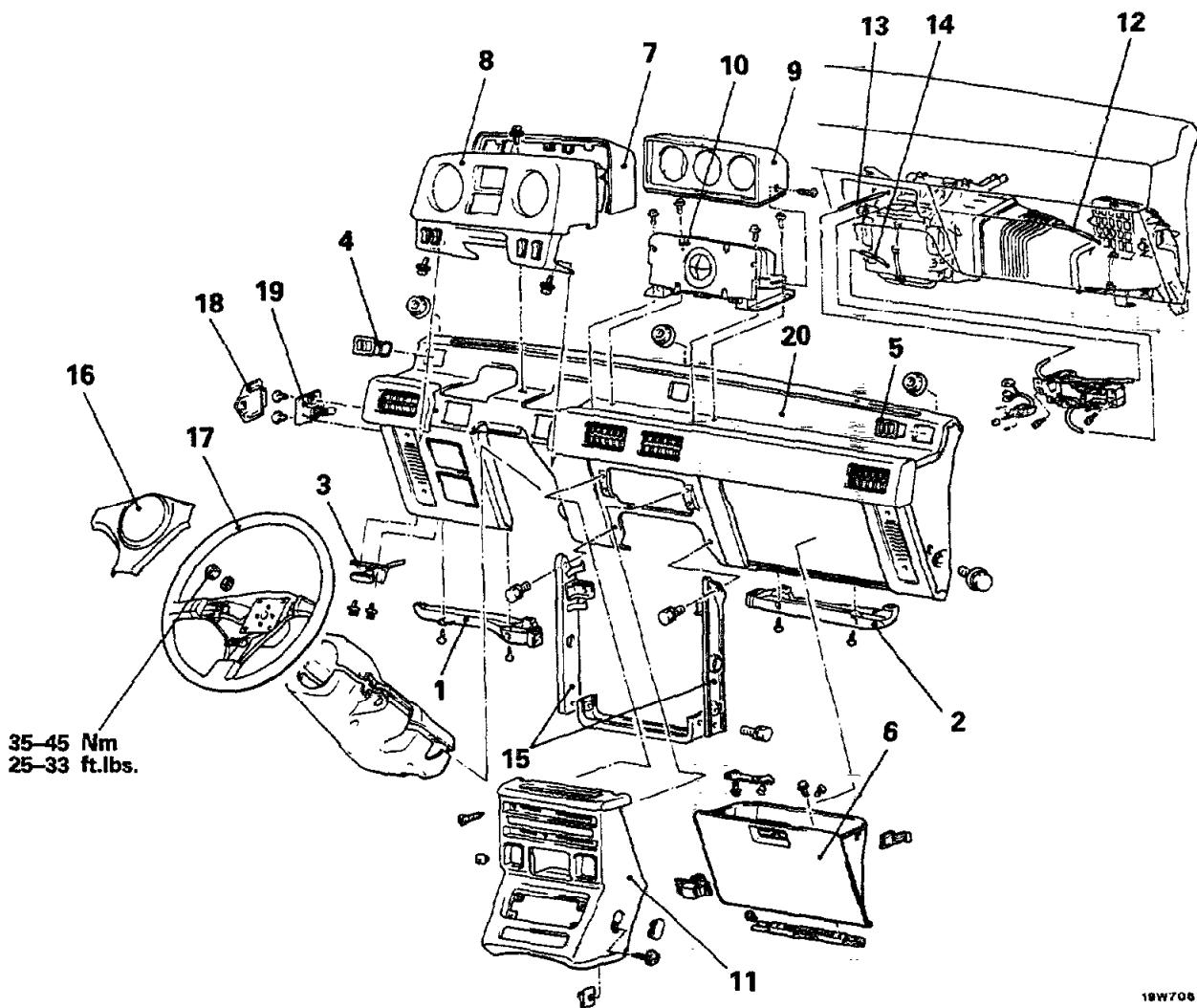
**INSTRUMENT PANEL**

N23UAAE

For installation of the instrument panel, the bolts, screws and nut described below are used.  
 They are indicated by symbols in the illustration in the section "SERVICE POINTS OF REMOVAL".

Symbol	Name and shape	Dimensions mm (in.)	Symbol	Name and shape	Dimensions mm (in.)
A	Washer assembled screw	O.D. = 6 (.24) L = 12 (.47)	F	Washer assembled bolt	O.D. = 6 (.24) L = 12 (.47)
	 19W654			 19W651	
B	Tapping screw	O.D. = 5 (.20) L = 12 (.47)	G	Washer assembled bolt	O.D. = 6 (.24) L = 16 (.63)
	 18U0418			 19W653	
C	Washer assembled screw	O.D. = 5 (.20) L = 12 (.47)	H	Washer assembled bolt	O.D. = 8 (.31) L = 20 (.79)
	 19W654			 19W651	
D	Washer assembled screw	O.D. = 5 (.20) L = 16 (.63)	I	Washer assembled bolt	O.D. = 8 (.31) L = 20 (.79)
	 19W654			 19W655	
E	Tapping screw	O.D. = 5 (.20) L = 16 (.63)	J	Nut	I.D. = 8 (.31)
	 19W652			 19W656	

## REMOVAL AND INSTALLATION



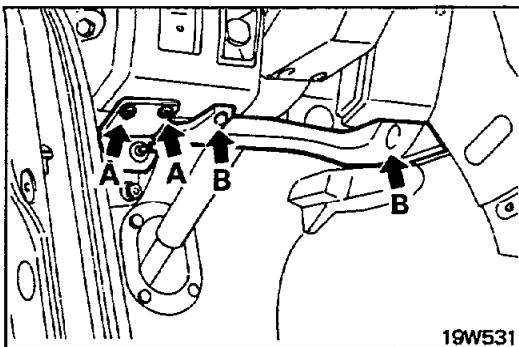
## Removal steps

- ➡➡ 1. Lap heater duct (B)
- ➡➡ 2. Lap heater duct (C)
- ➡➡ 3. Hood release cable bracket
- ➡➡ 4. Demister grille (L.H.)
- ➡➡ 5. Demister grille (R.H.)
- ➡➡ 6. Glove box
- ➡➡ 7. Meter cover
- ➡➡ 8. Meter case
- ➡➡ 9. Combination meter pad
- ➡➡ 10. Combination meter case
- ➡➡ 11. Center panel

- 12. Connection of recirculation/fresh air changeover control wire
- 13. Connection of mode selection control wire
- 14. Connection of water valve control wire
- ➡➡ 15. Center reinforcement
- ➡➡ 16. Horn pad
- ➡➡ 17. Steering wheel
- ➡➡ 18. Fuse box cover
- ➡➡ 19. Fuse box assembly
- ➡➡➡➡ 20. Instrument panel

## NOTE

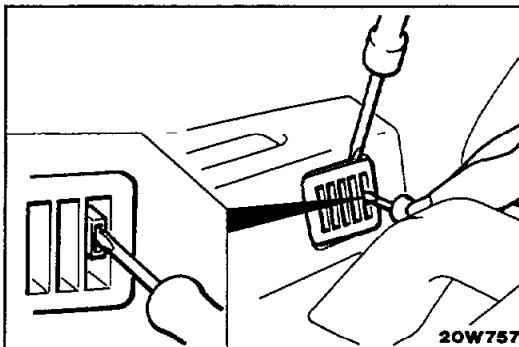
- (1) Reverse the removal procedures to reinstall.
- (2) ➡➡ : Refer to "Service Points of Removal".
- (3) ➡➡➡ : Refer to "Service Points of Installation".



## SERVICE POINTS OF REMOVAL

### 1. REMOVAL OF LAP HEATER DUCT (B)/3.HOOD RELEASE CABLE BRACKET

Remove the lap heater duct B and hood release cable bracket.

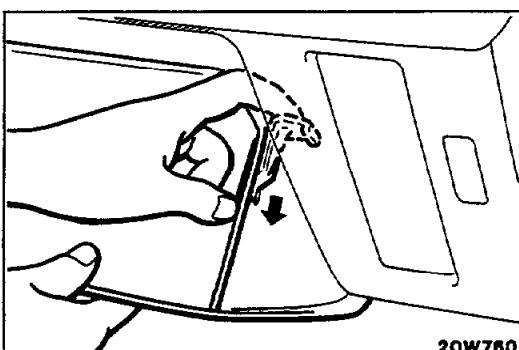


### 4. REMOVAL OF DEMISTER GRILLE (L.H.) /5. DEMISTER GRILLE (R.H.)

Remove the right and left demister grilles by raising the attaching projections with a screwdriver.

**Caution**

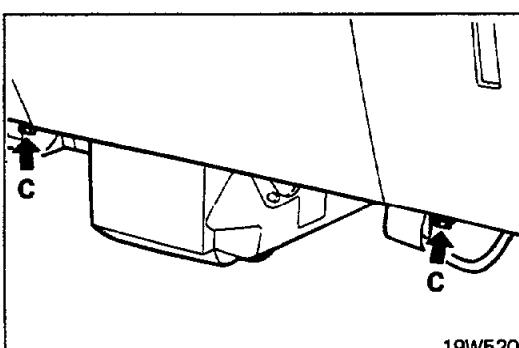
Use care not to break the projections.



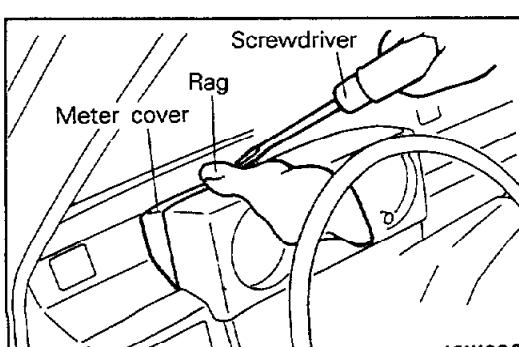
### 6. REMOVAL OF GLOVE BOX

(1) Remove the glove box stopper.

(2) Remove side lap heater duct (C) on the assistant's seat.

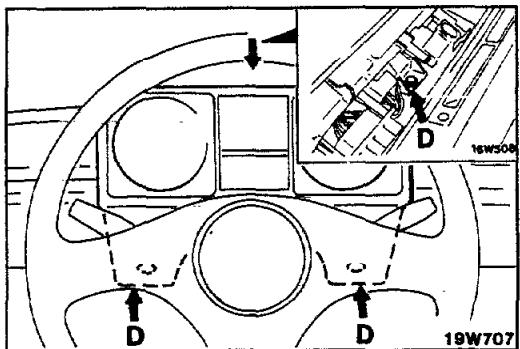


(3) Remove the glove box frame attaching screws from the instrument panel and remove the glove box.



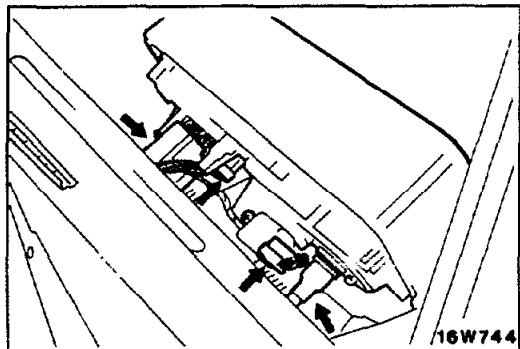
### 7. REMOVAL OF METER COVER

Remove the meter cover with a screwdriver.

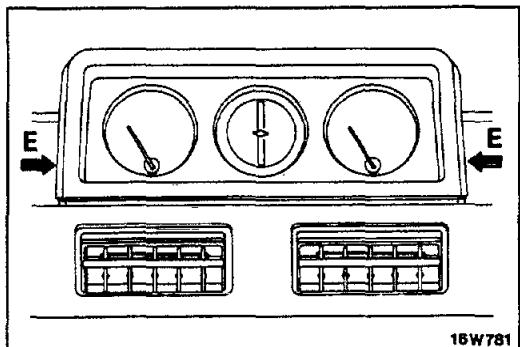


### 8. REMOVAL OF METER CASE

- (1) Remove the screws from the bottom of the case.
- (2) Remove the bolt from the upper part of the case.

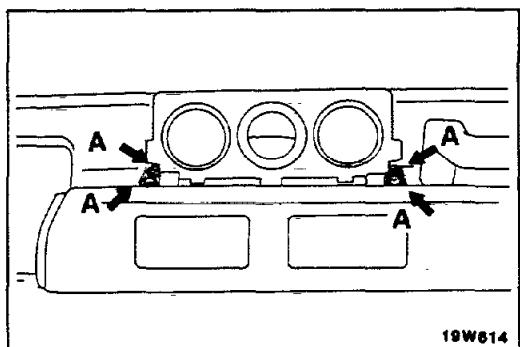


- (3) Disconnect the speedometer cable from the meter case by pushing the stopper of the plug on the speedometer cable side of the connection.
- (4) Disconnect the connectors of the meter harness and also of the body harness.
- (5) Disconnect the connectors (all located behind the meter case at the bottom) of the hazard switch, the rear window defogger, rear fog lamp switch, electric tailgate locking switch, and the rear wiper/washer switch, and then remove the meter case.



### 9. REMOVAL OF COMBINATION METER PAD

Remove the combination meter pad.

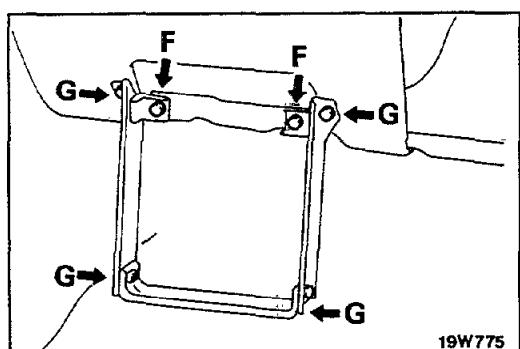


### 10. REMOVAL OF COMBINATION METER CASE

- (1) Remove the meter case attaching screws.
- (2) Disconnect the connectors of the meter harness located behind the meter case.

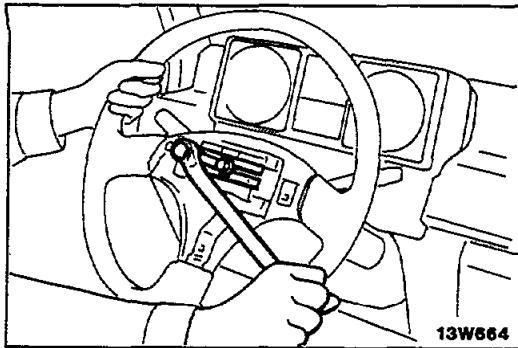
#### Caution

To prevent internal trouble, the meter must not be dropped or subjected to shock or must not be abruptly inclined to the extent that the maximum indication angle is exceeded.



### 15. REMOVAL OF CENTER REINFORCEMENT

- (1) Remove the center console. (Refer to P.23-76.)
- (2) Remove the center reinforcement attaching screws.
- (3) Remove the center reinforcement, radio and car stereo player as a unit.
- (4) Disconnect the radio and car stereo player from the front harness and feeder wire.

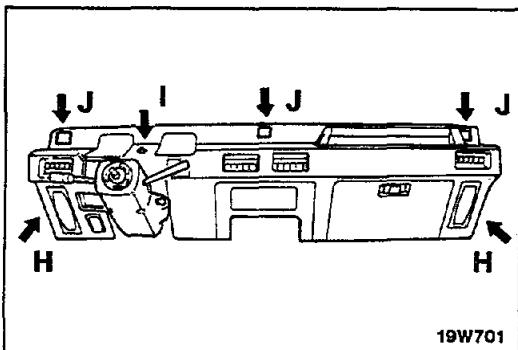


## 17. REMOVAL OF STEERING WHEEL

Remove the steering wheel.

### NOTE

Before removal, make the mating marks on both steering shaft and steering wheel.



## 20. REMOVAL OF INSTRUMENT PANEL

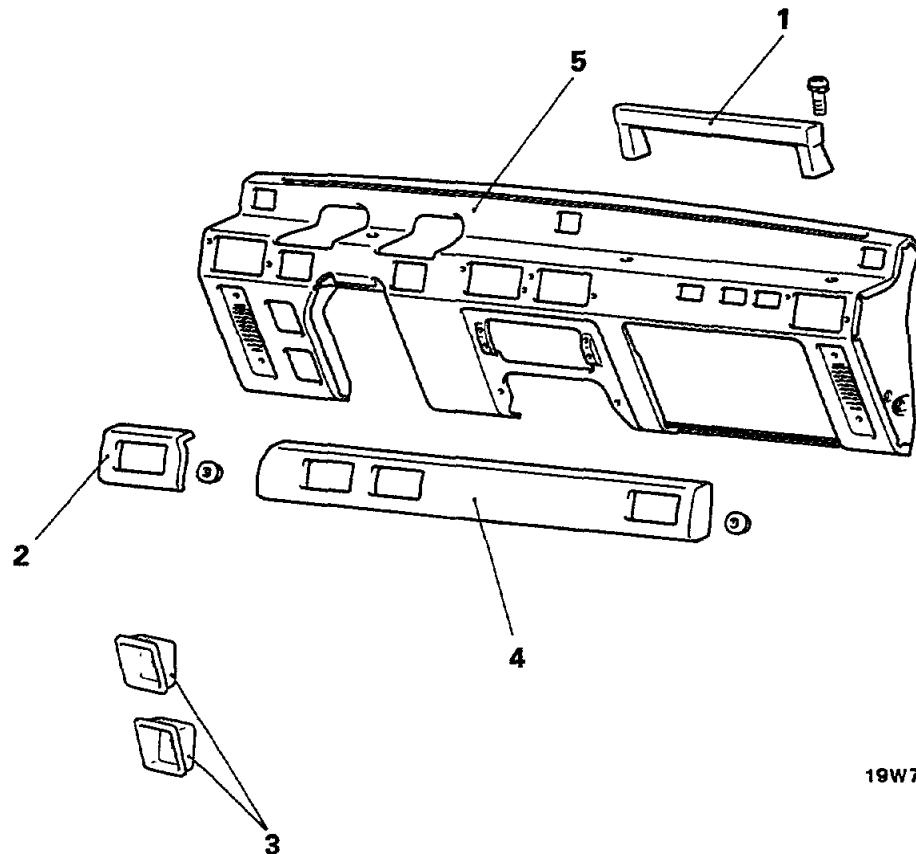
Remove the instrument panel attaching bolts and nuts, and withdraw and remove the instrument panel toward you.

## SERVICE POINTS OF INSTALLATION

### 20. INSTALLATION OF INSTRUMENT PANEL

- (1) Connect all of the connectors securely.
- (2) Make sure that any of the wiring harnesses are not pinched.

## DISASSEMBLY AND REASSEMBLY



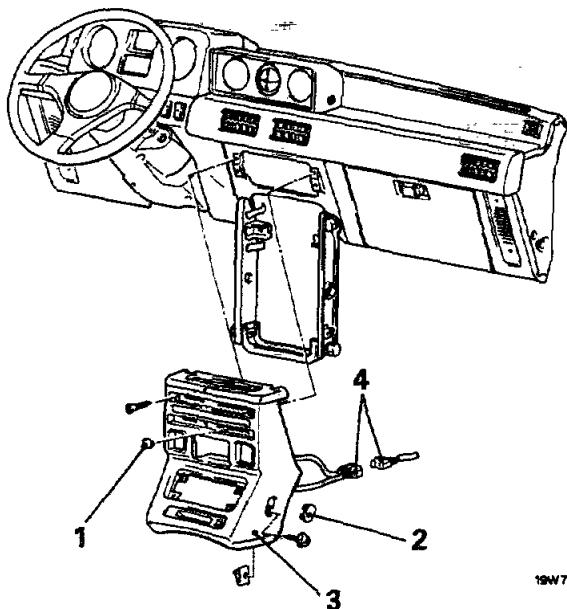
1. Assist grip
2. Instrument pad B
3. Switch holder
4. Instrument pad A
5. Instrument panel

19W771

## CENTER CONSOLE

### REMOVAL AND INSTALLATION

N23UBAN



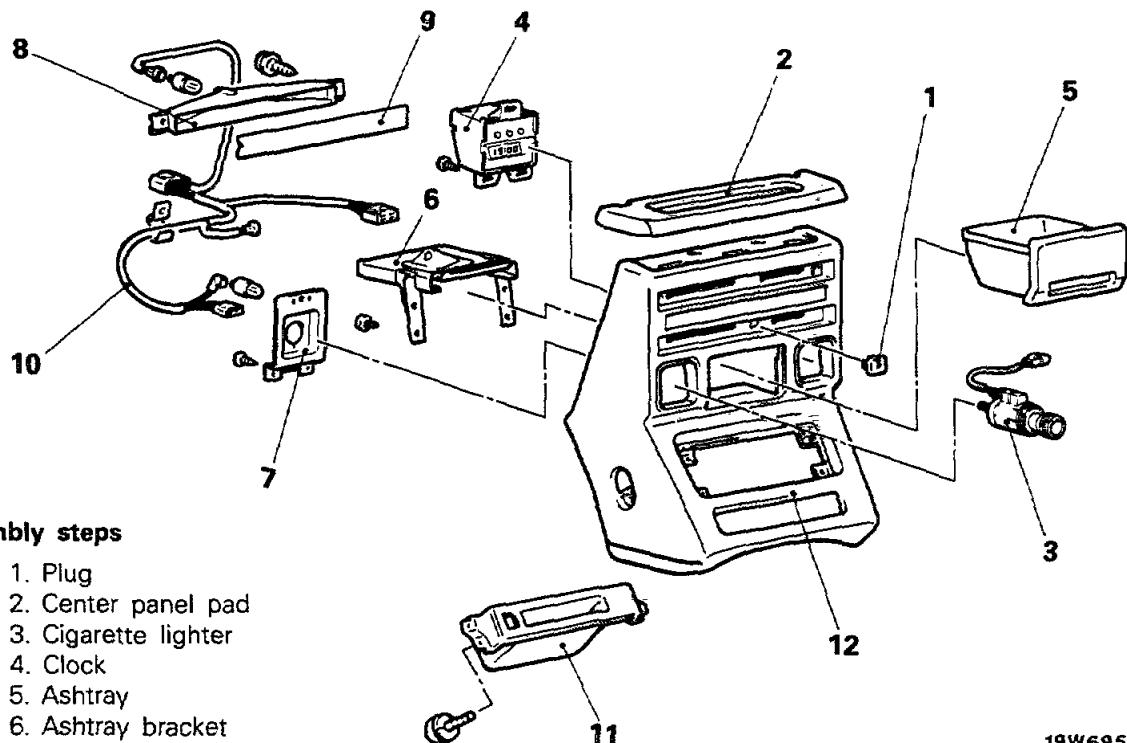
#### Removal steps

1. Knob
2. Plug
3. Center panel
4. Connection of center panel wiring harness to front wiring harness connector

#### NOTE

Reverse the removal procedures to reinstall.

## DISASSEMBLY AND REASSEMBLY



#### Disassembly steps

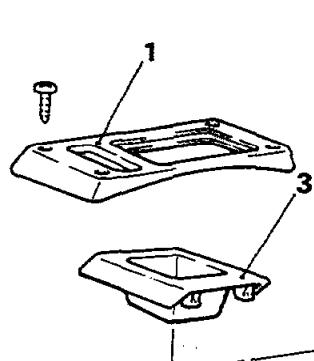
1. Plug
2. Center panel pad
3. Cigarette lighter
4. Clock
5. Ashtray
6. Ashtray bracket
7. Cigarette lighter bracket
8. Light holder
9. Heater control panel
10. Center panel wiring harness
11. Box panel
12. Center console

NOTE  
Reverse the disassembly procedures to reassemble.

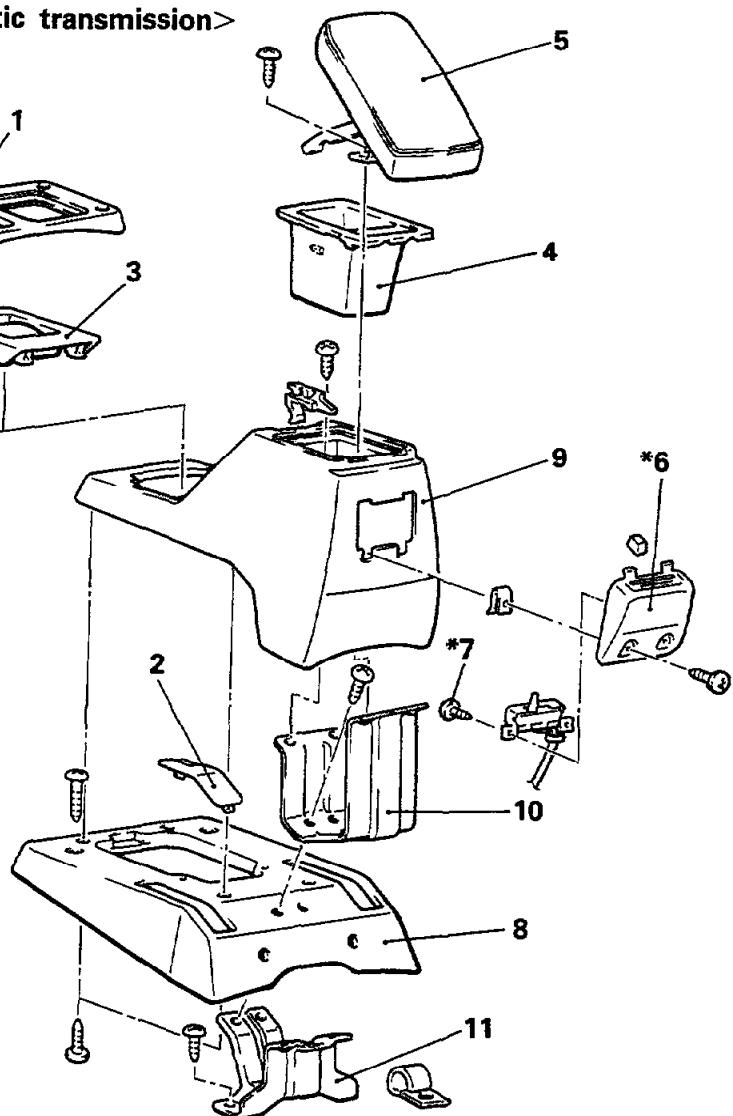
## FLOOR CONSOLE

### REMOVAL AND INSTALLATION

<Vehicles with a manual transmission>



<Vehicles with an automatic transmission>



19W774

#### Removal steps

1. Front floor console
2. Plate B
3. Rear console panel
4. Inner box
5. Lid assembly
- \*6. Switch cover assembly
- \*7. Screw
8. Floor console
9. Rear floor console
10. Console inner bracket
11. Floor console bracket

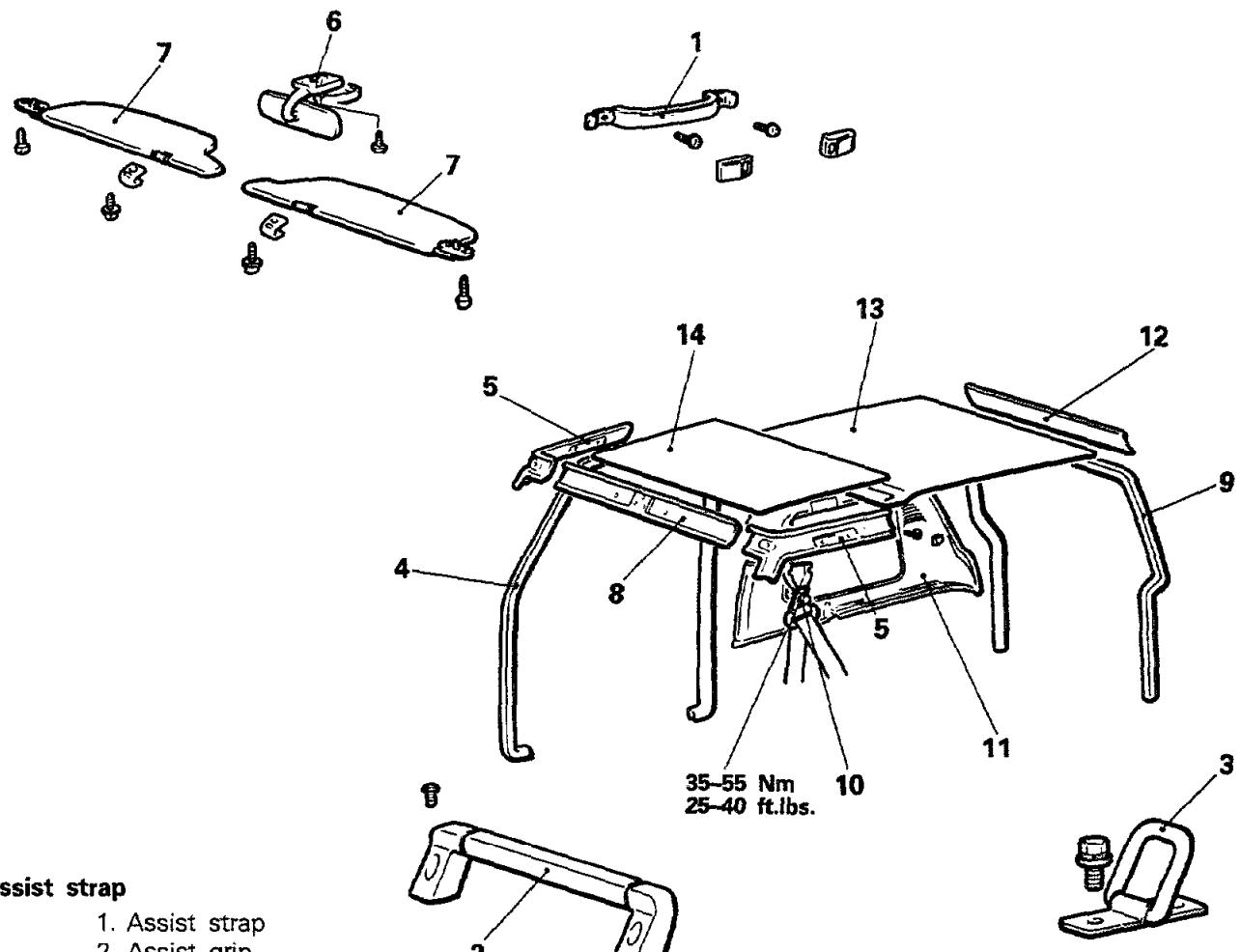
#### NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) The \* symbol indicates applicability to vehicles equipped with the dual air conditioner.

## HEADLINING AND ASSIST STRAP

## REMOVAL AND INSTALLATION &lt;2-Door Vehicles&gt;

N23UDAR



## Assist strap

1. Assist strap
2. Assist grip
3. Hook



19W770

## Headlinings removal steps

1. Assist strap
4. Door opening trim
5. Front side roof rail trim
6. Inside rear view mirror
7. Sun visor
8. Front roof rail trim
9. Rear opening trim
10. Front seat belt anchor plate

- ➡➡ 11. Upper quarter trim
- ➡➡ 12. Rear roof rail trim
- ➡➡➡ 13. Rear headlining
- ➡➡➡ 14. Front headlining

## NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) ➡➡ : Refer to "Service Points of Removal".
- (3) ➡➡ : Refer to "Service Points of Installation".

## SERVICE POINTS OF REMOVAL

## 5. REMOVAL OF FRONT SIDE ROOF RAIL TRIM

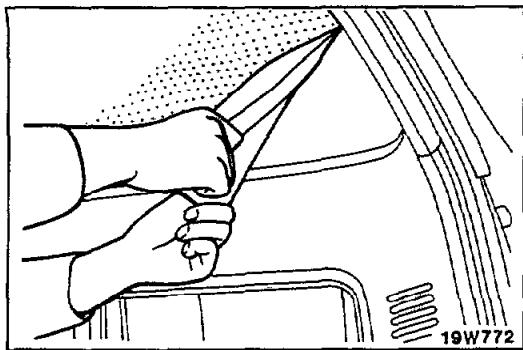
Refer to P.23-87.

## 8. REMOVAL OF FRONT ROOF RAIL TRIM

Refer to P.23-87.

## 11. REMOVAL OF UPPER QUARTER TRIM

Refer to P.23-87.



## 12. REMOVAL OF REAR ROOF RAIL TRIM

Refer to P. 23-87.

## 13. REMOVAL OF REAR HEADLINING/14. FRONT HEADLINING

- (1) Remove the dome light.
- (2) Slowly peel the headlining away, beginning with the corner of the roof panel.

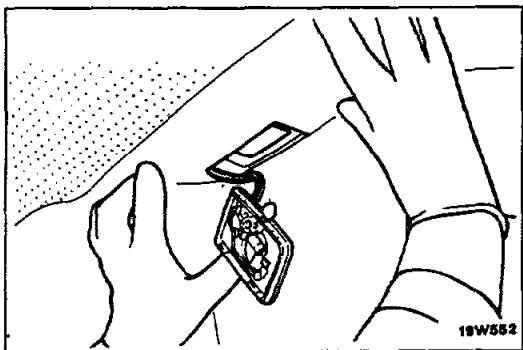
### Caution

**Make sure that the headlining is removed slowly; as the sponge portion of the headlining is left behind on the roof panel.**

- (3) Thoroughly remove the drying sealant and sponge left behind on the roof panel by using a toluol solution, etc.

### Caution

**Make sure that all remaining sealant and sponge are thoroughly removed, as they produce uneven surfaces when the headlining is bonded to the roof panel.**



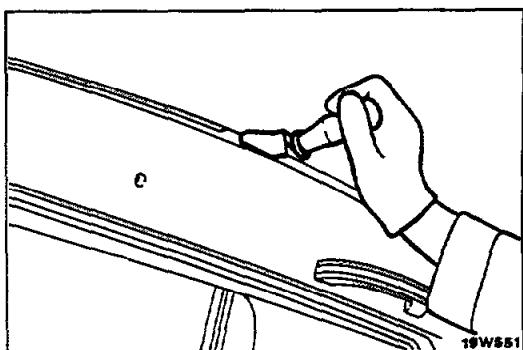
## SERVICE POINTS OF INSTALLATION

### 14. APPLICATION OF SEALANT TO FRONT HEADLINING/13. REAR HEADLINING

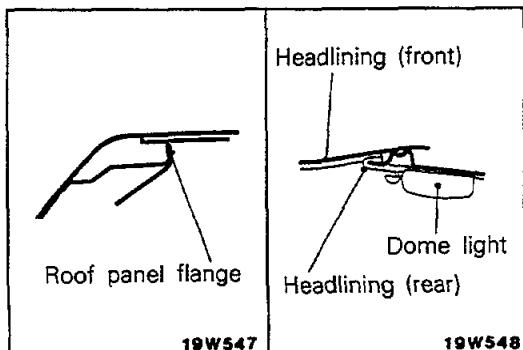
- (1) Evenly apply the specified sealant to the roof panel. When the headlining (rear) is installed, couple the room dome light connector, put it through the cut hole in the lining, and bond the lining so that the lining cut hole matches the dome light attaching hole.

**Specified sealant : 3M ART Part No. 8080 or 3M Adhesive EC-1368, or equivalent**

- (2) Using care to prevent wrinkles and slackness, bond the headlining and insert the edges securely into the roof panel flange by using a spatula, etc.

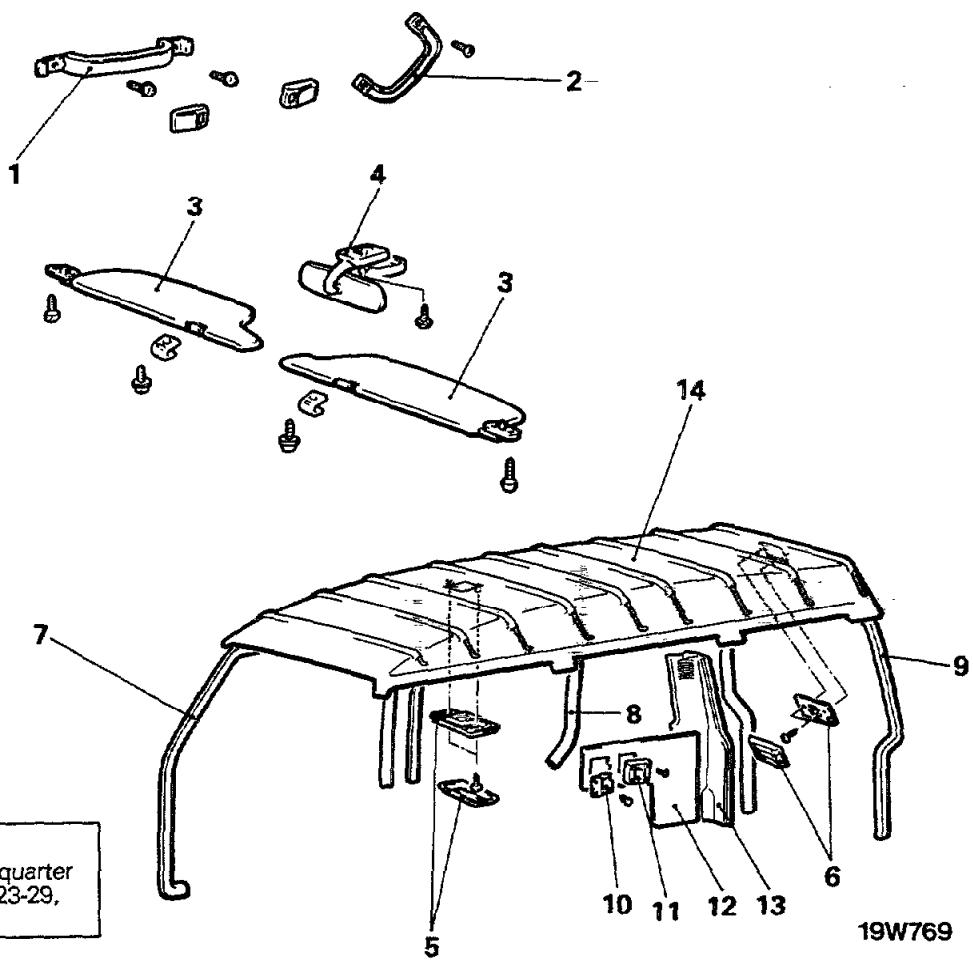


- (3) Bond the headlining edges as shown.



## REMOVAL AND INSTALLATION &lt;4-Door Vehicles without a Sunroof&gt;

N23UDAS

**Pre-removal Operation**

- Removal of windshield and quarter window glass. (Refer to P. 23-29, 33.)

**Post-installation Operation**

- Installation of windshield and quarter window glass. (Refer to P. 23-29, 33.)

**Assist strap**

1. Assist strap
2. Get on and off grip

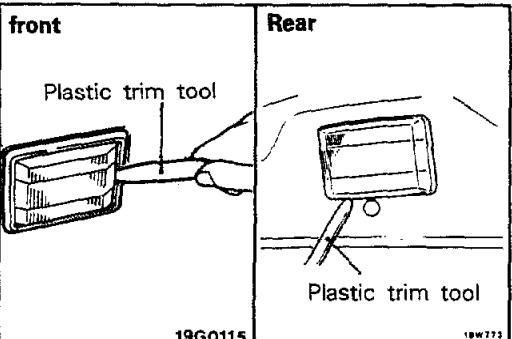
**Headlining removal steps**

1. Assist grip
2. Get on and off grip
3. Sun visor
4. Inside rear view mirror
5. Dome light (front)
6. Dome light (rear)

7. Front door opening trim
8. Rear door opening trim
9. Back door opening trim
10. Retractor cover
11. Speaker
12. Quarter trim
13. Rear pillar trim
14. Headlining

**NOTE**

- (1) Reverse the removal procedures to reinstall.
- (2) : Refer to "Service Points of Removal".
- (3) : Refer to "Service Points of Installation".

**SERVICE POINTS OF REMOVAL****5./6. REMOVAL OF DOME LIGHT**

- (1) Using a plastic trim tool, remove the lens.
- (2) Remove the dome light mounting screws and connector.

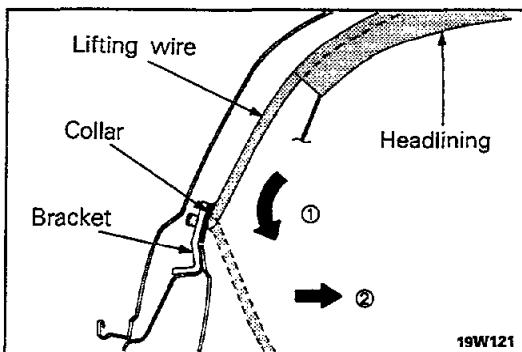
Remove the dome light assembly.

**12. REMOVAL OF QUARTER TRIM**

Refer to P. 23-90.

**13. REMOVAL OF REAR PILLAR TRIM**

Refer to P. 23-90.

**14. REMOVAL OF HEADLINING**

- (1) Remove the entire circumference of the headlining from the both-side-adhesive tape.
- (2) Lower the lifting wire, compress inward, remove from the bracket, and remove the headlining.

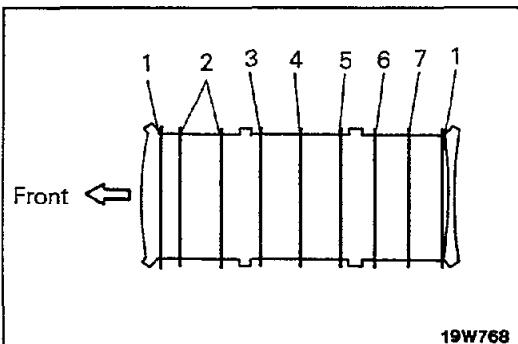
**Caution**

If there are collars at the end of the lifting wires, they will be used during installation, so check the installation positions and number, and keep them for use at that time.

- (3) Peel off the both-side-adhesive tape attached at each door and each window opening.

**NOTE**

For new headlining, there are no holes opened for the installation of parts, so be sure to confirm the positions for installation of parts and the notched parts of the headlining.

**SERVICE POINTS OF INSTALLATION****14. INSTALLATION OF HEADLINING**

- (1) Use the paint color of the end of the lifting wires to confirm the lifting wire and headlining attachment positions and the front/rear direction.

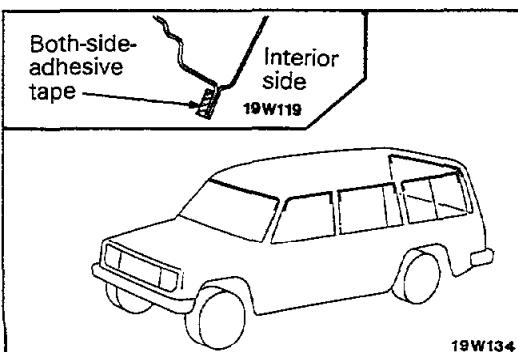
**Identification color**

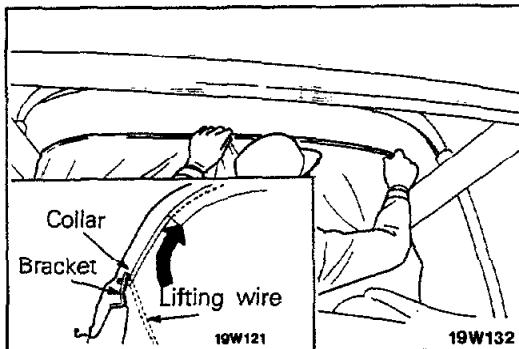
① None	⑤ Blue
② White	⑥ Green
③ Black	⑦ Yellow
④ Red	

**NOTE**

Installation will be easier and free of wrinkles if, before installation, a heating fan or similar equipment is used to warm the headlining.

- (2) Attach both-side-adhesive tape [10 mm (.4 in.) wide] to each window and door at the place shown in the illustration.

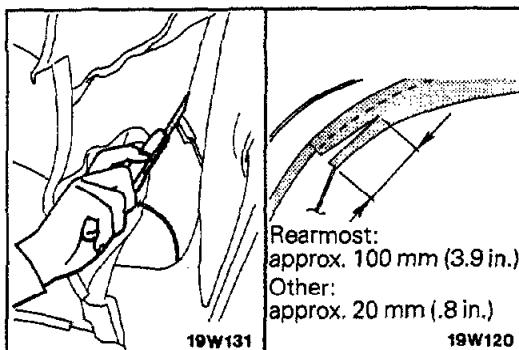




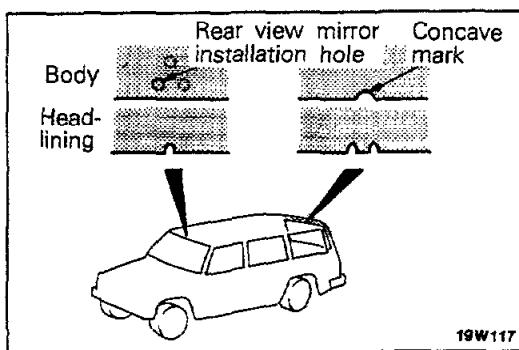
(3) After attaching both ends of the lifting wire to the bracket's installation hole from below, turn upward so that it is vertical.  
Do the rear side first, and then attach all lifting wires.

## NOTE

Attach collars where there were any at the time of removal.



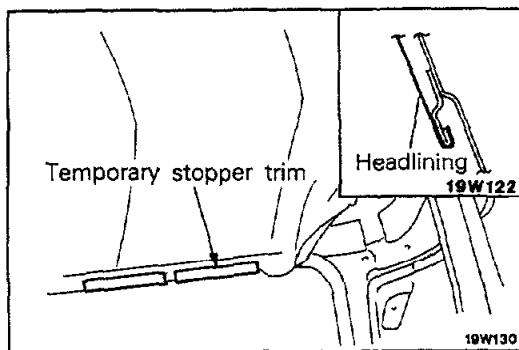
(4) Make a cut, as shown in the illustration, in the headlining rear side bag in which the lifting wire is attached.



(5) Align the body and headlining center mating mark, and while pulling so that there are no wrinkles, attach from window part and the back door part to the both-side-adhesive tape.

## NOTE

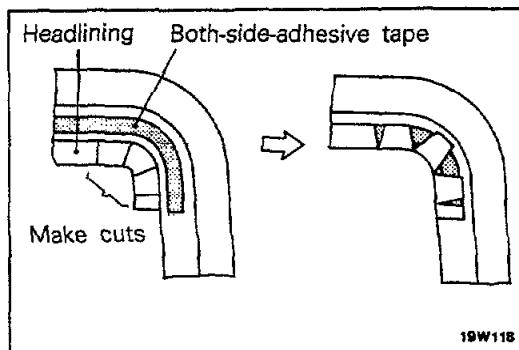
Use door opening trim pieces, etc. to temporarily hold at the places where is attached to the both-side adhesive tape.



(6) Secure except the pillars.  
(7) Use an infra-red light or similar equipment to apply heat to the headlining of the rear pillar, and, while pulling to stretch, fold it into the back side of the body panel as shown in the illustration.

## NOTE

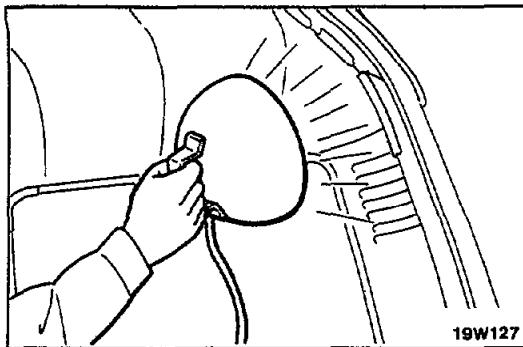
Be careful not to bring the light so close that the headlining is scorched.



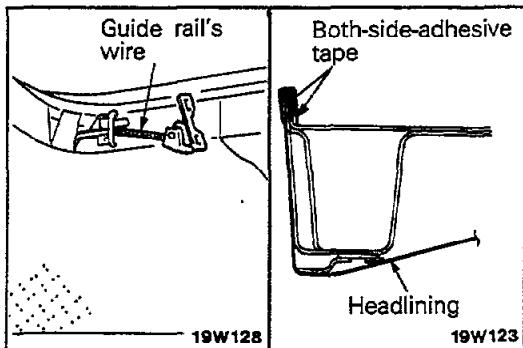
(8) Make cuts at the corner part at each pillar, and attach to both-side adhesive tape.  
(9) Temporarily attach each door's opening trim, and then, after checking the amount that the headlining protrudes, remove.  
(10) After cutting away (by using a cutter knife) the amount of headlining protruding from the door opening trim, install the door opening trim.

## NOTE

Do not cut deeply with the cutter knife, so as to avoid damaging the painted surface.



(11)If wrinkles occur, use an infra-red light or similar equipment to heat, and then stretch the wrinkles out so they are smoothed.



(12)Attach both-side-adhesive tape all around both surface of the flange of the roof panel.

(13)While pulling the headlining, attach it to the both-side adhesive tape.

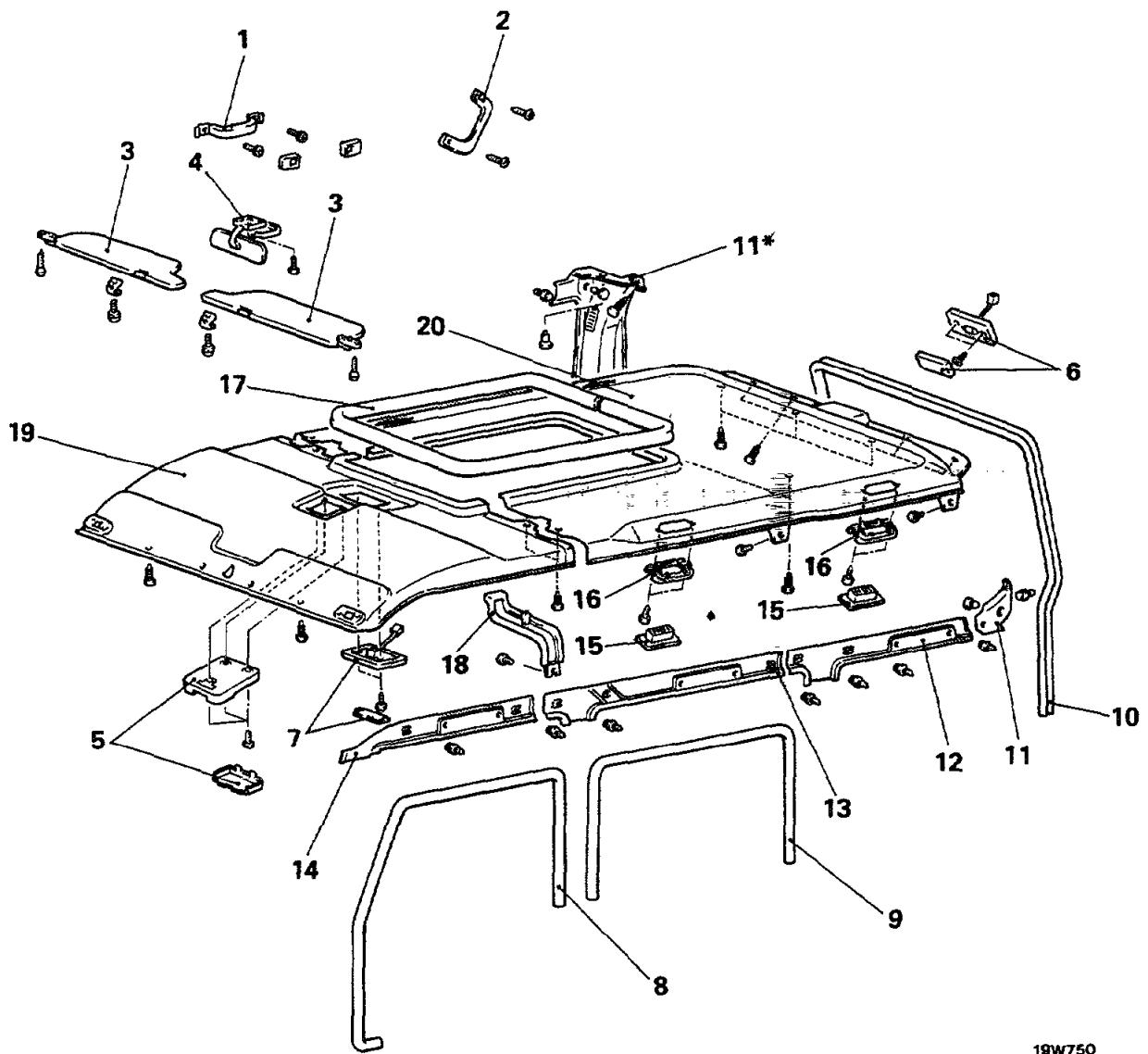
Pass the guide rail's wire through the corner part at the front side.

(14)If the headlining is too long compared to the condition shown in the illustration, cut away by using a cutter knife.

(15)Install previously removed parts (guide rail, etc.).

## REMOVAL AND INSTALLATION <4-Door Vehicles with a Sunroof>

N23UDAT



### Assist strap

1. Assist strap
2. Get on and off grip

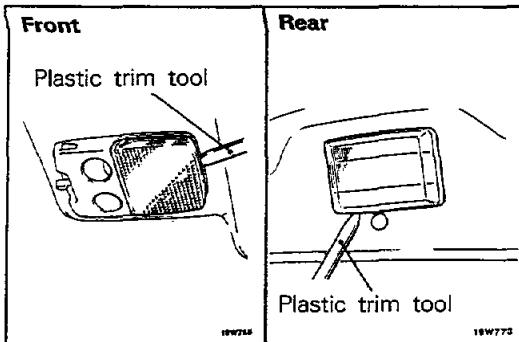
## Headlinings removal steps

- 1. Assist strap
- 2. Get on and off grip
- 3. Sun visor
- 4. Inside rear view mirror
- 5. Dome light (front)
- 6. Dome light (rear)
- 7. Sunroof switch
- 8. Front door opening trim
- 9. Rear door opening trim
- 10. Back door opening trim
- 11. Rear pillar trim (upper)
- 12. Rear roof side trim
- 13. Center roof side trim

- 14. Front roof side trim
- 15. Air outlet grille
- 16. Retainer
- 17. Headlining trim
- 18. Joint
- 19. Front headlining
- 20. Rear headlining

## NOTE

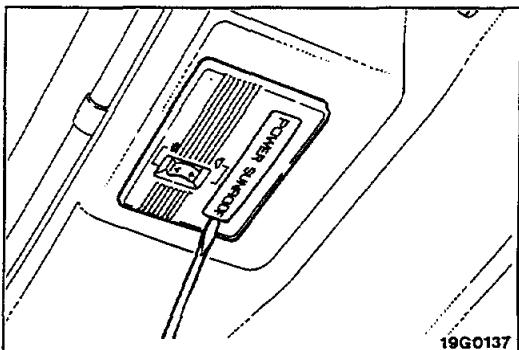
- (1) Reverse the removal procedures to reinstall.
- (2)  : Refer to "Service Points of Removal".
- (3)  : Refer to "Service Points of Installation".
- (4) The \* symbol indicates the rear pillar trim (right) when the dual air conditioner is installed.



## SERVICE POINTS OF REMOVAL

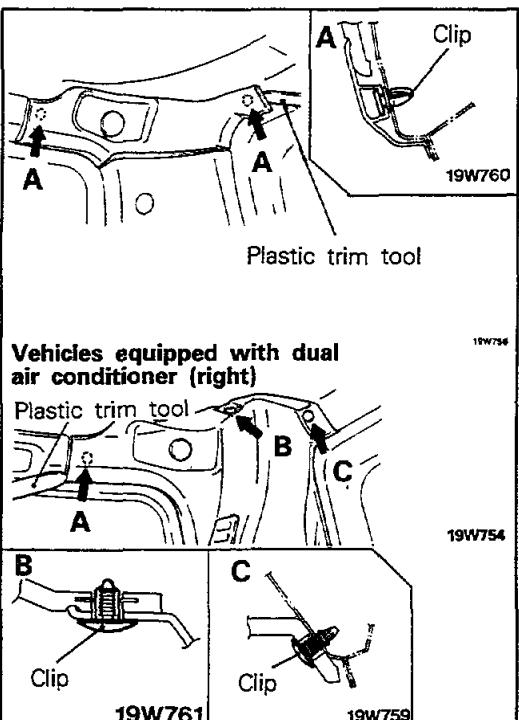
### 5./6. REMOVAL OF DOME LIGHT

- (1) Using a plastic trim tool, remove the lens.
- (2) Remove the dome light mounting screws and connector. Remove the dome light assembly.



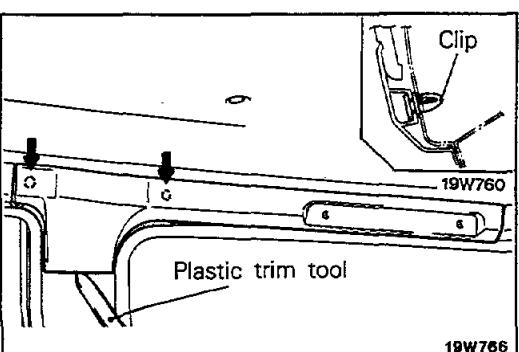
### 7. REMOVAL OF SUNROOF SWITCH ASSEMBLY

- (1) Remove the cover with a flat type screwdriver (small) or similar tool.
- (2) Remove the sunroof switch mounting screws and connector. Remove the sunroof switch.



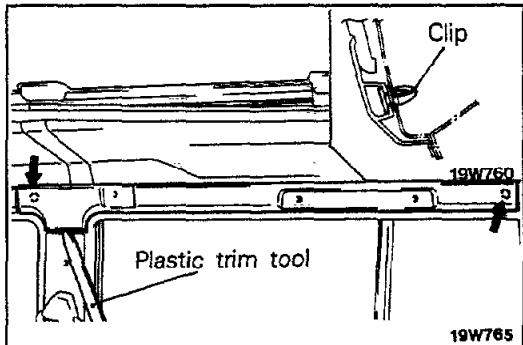
### 11. REMOVAL OF REAR PILLAR TRIM (UPPER)

Using a plastic trim tool, remove the rear pillar trim (upper).



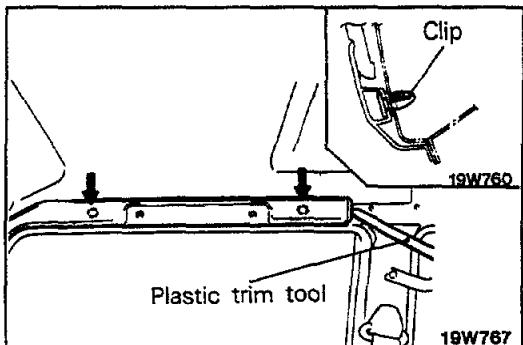
### 12. REMOVAL OF REAR ROOF SIDE TRIM

Using a plastic trim tool, remove the rear roof side trim.



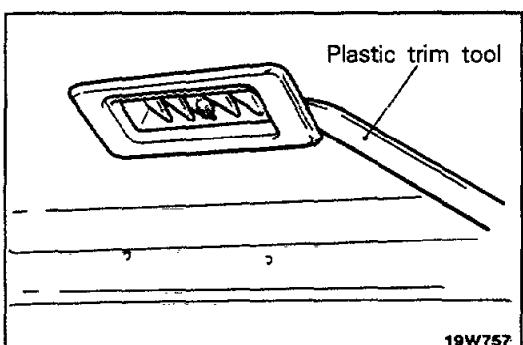
### 13. REMOVAL OF CENTER ROOF SIDE TRIM

Using a plastic trim tool, remove the center roof side trim.



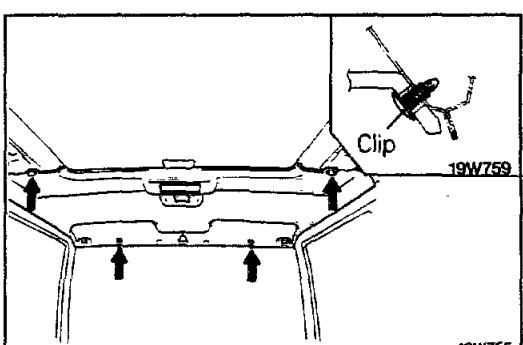
### 14. REMOVAL OF FRONT ROOF SIDE TRIM

Using a plastic trim tool, remove the front roof side trim.



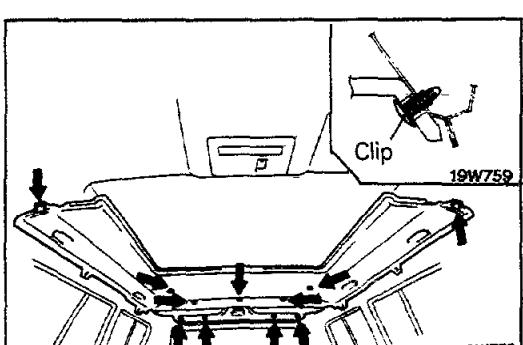
### 15. REMOVAL OF AIR OUTLET GRILLES

Using a plastic trim tool, remove the air outlet grille.



### 19. REMOVAL OF FRONT HEADLINING

Using a plastic trim tool, remove the front headlining.

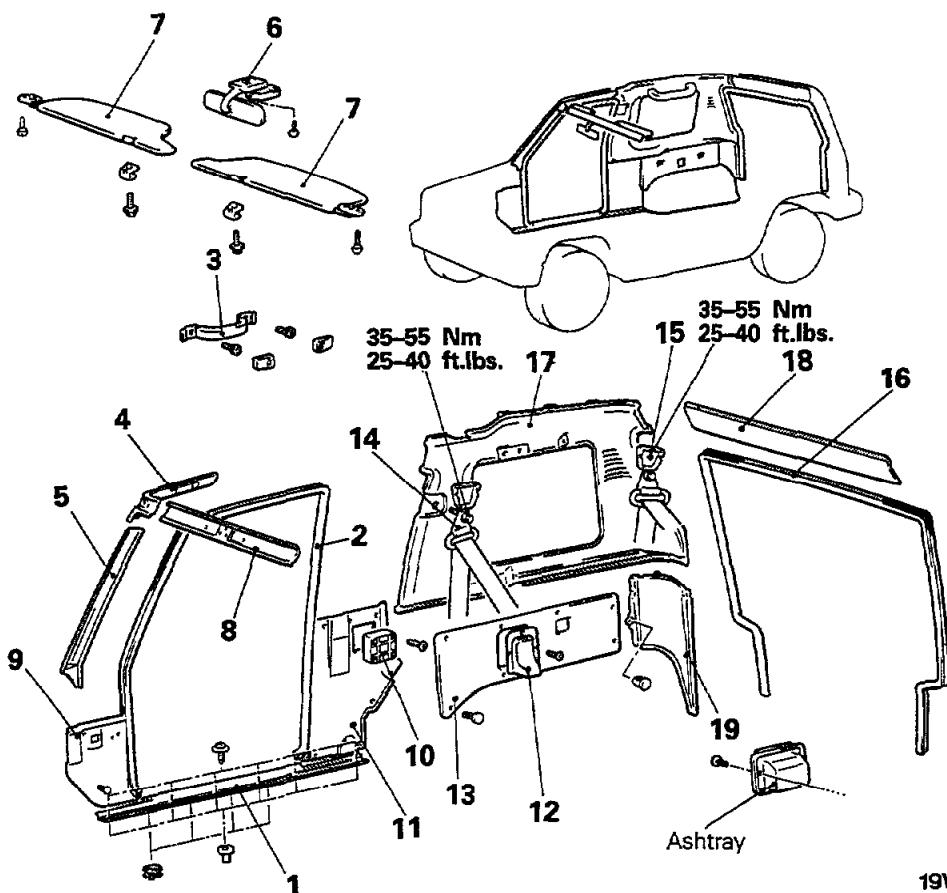


### 20. REMOVAL OF REAR HEADLINING

- (1) Remove the rear headlining mounting screws.
- (2) Using a plastic trim tool, remove the rear headlining.

**TRIMS****REMOVAL AND INSTALLATION <2-Door Vehicles>**

N23UCAT



19W748

**Front pillar trim and roof rail trim removal steps**

1. Front scuff plate
2. Door opening trim
3. Assist grip
4. Front side roof rail trim
5. Front pillar trim
6. Inside rear view mirror
7. Sun visor
8. Front roof rail trim

**Cowl side trim removal steps**

1. Front scuff plate
2. Door opening trim
9. Cowl side trim

**Center pillar trim removal steps**

1. Front scuff plate
2. Door opening trim
10. Speaker
11. Center pillar trim

**Quarter trim removal steps**

12. Retractor cover
13. Quarter trim

**Upper quarter trim removal steps**

2. Door opening trim
12. Retractor cover
13. Quarter trim
14. Front seat belt anchor plate
15. Rear seat belt anchor plate
- <Vehicles with rear seat belts>
16. Back door opening trim
17. Upper quarter trim

**Rear roof rail trim removal steps**

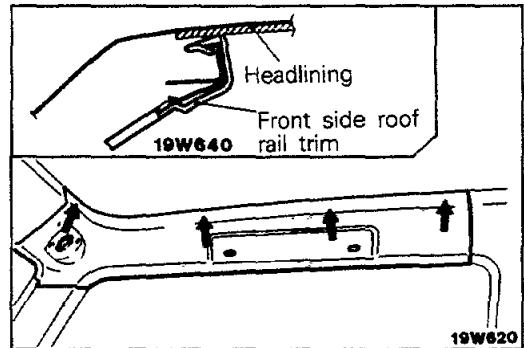
16. Back door opening trim
18. Rear roof rail trim

**Rear pillar lower trim removal steps**

12. Retractor cover
13. Quarter trim
16. Back door opening trim
19. Rear pillar lower trim

**NOTE**

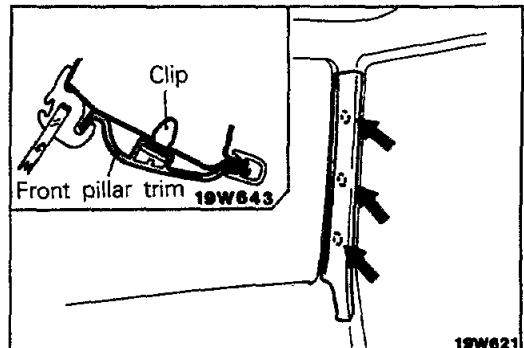
- (1) Reverse the removal procedures to reinstall.
- (2) : Refer to "Service Points of Removal".



## SERVICE POINTS OF REMOVAL

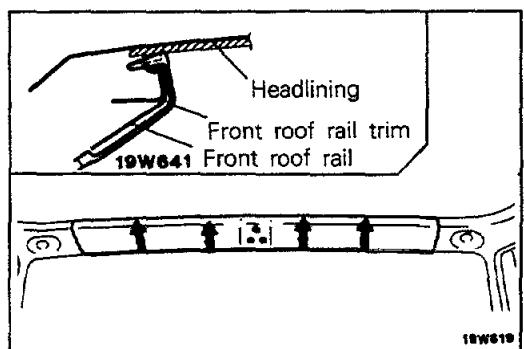
### 4. REMOVAL OF FRONT SIDE ROOF RAIL TRIM

Remove the front side roof rail trim



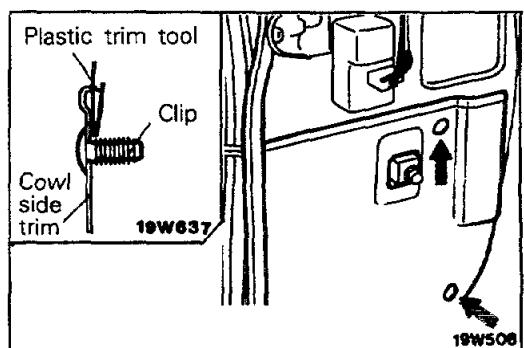
### 5. REMOVAL OF FRONT PILLAR TRIM

Remove the front pillar trim.



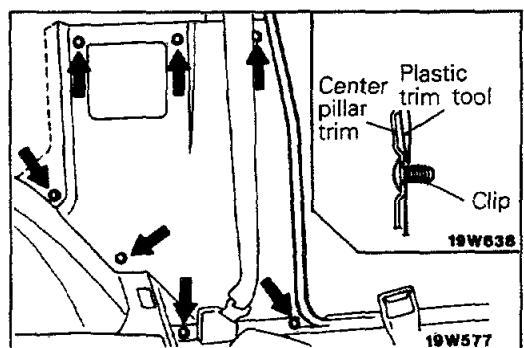
### 8. REMOVAL OF FRONT ROOF RAIL TRIM

Remove the front roof rail trim



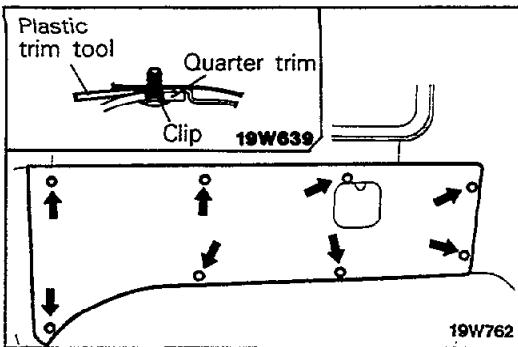
### 9. REMOVAL OF COOWL SIDE TRIM

- (1) Insert a plastic trim tool under the cowl side trim and remove the clips.
- (2) Remove the cowl side trim.



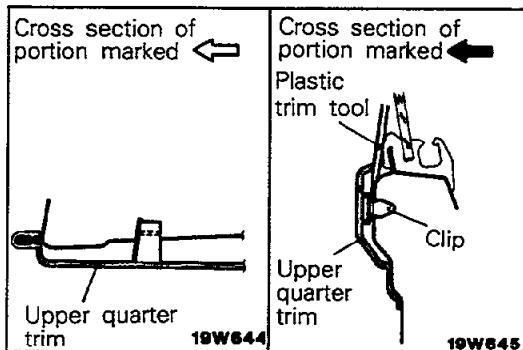
### 11. REMOVAL OF CENTER PILLAR TRIM

- (1) Remove the clips at two places (upper and lower) at the foremost part of the quarter trim.
- (2) Insert a plastic trim tool beneath the center pillar trim and remove the clips.



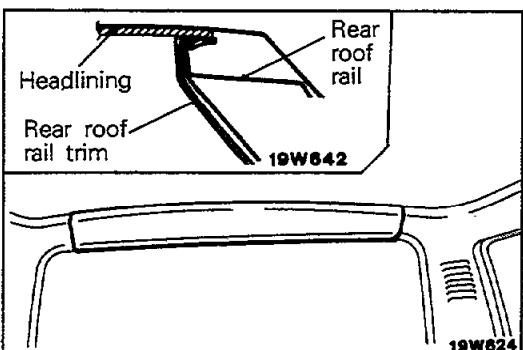
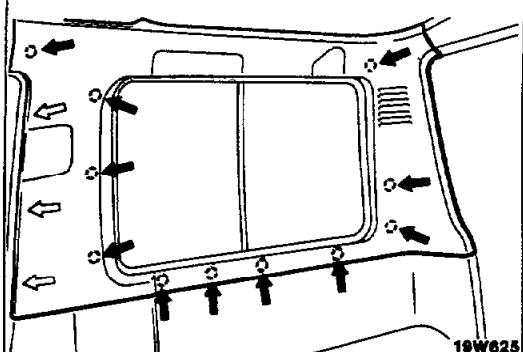
### 13. REMOVAL OF QUARTER TRIM

Insert a plastic trim tool beneath the quarter trim and remove the clips.



### 17. REMOVAL OF UPPER QUARTER TRIM

- (1) Insert a plastic trim tool under the upper quarter trim and remove the clips.
- (2) Remove the upper quarter trim.



### 18. REMOVAL OF REAR ROOF RAIL TRIM

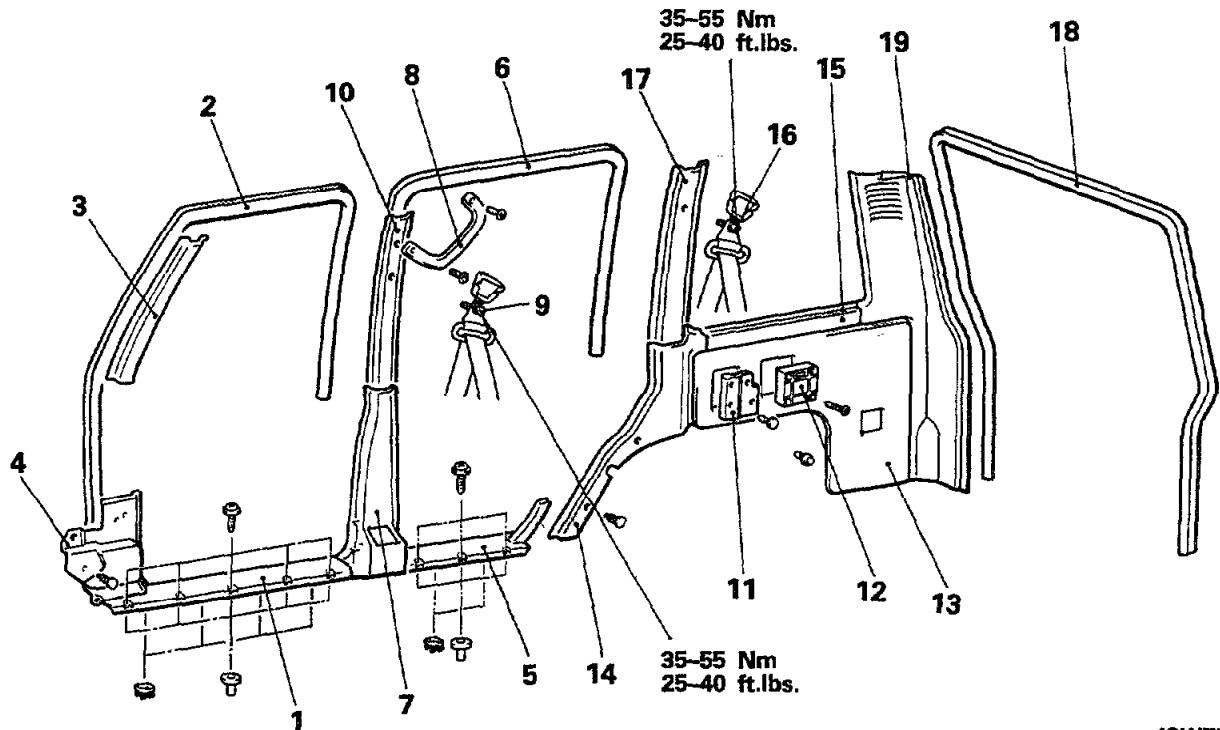
Remove the rear roof rail trim.

### 19. REMOVAL OF REAR PILLAR LOWER TRIM

- (1) Remove the clips at 2 places at the rear part of the quarter trim and the 2 clips at the rear pillar part of the upper quarter trim.
- (2) Remove the clip to remove the rear pillar lower trim.

## REMOVAL AND INSTALLATION &lt;4-Door Vehicles without a Sunroof&gt;

N23UCAU



19W752

**Pillar trim (front) and cowl side trim removal steps**

1. Front rail cover
2. Front door opening trim
3. Pillar trim (front)
4. Cowl side trim

**Center pillar trim and pillar trim (center) removal steps**

1. Front rail cover
2. Front door opening trim
5. Rear rail cover
6. Rear door opening trim
7. Center pillar trim
8. Get on and off grip
9. Front seat belt installation bolt
10. Pillar trim (center)

**Quarter trim removal steps**

11. Retractor cover
12. Speaker

**Rear side trim and pillar trim (quarter) removal steps**

5. Rear rail cover
6. Rear door opening trim

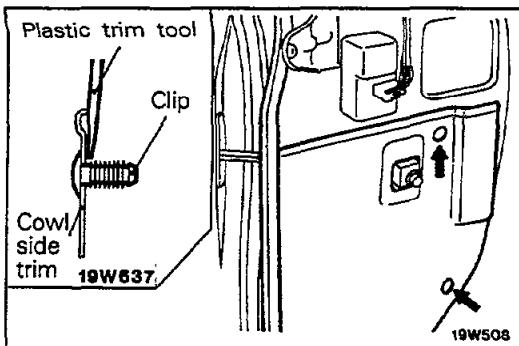
11. Retractor cover
12. Speaker
13. Quarter trim
14. Rear side trim
15. Quarter trim, upper
16. Rear seat belt installation bolt
17. Pillar trim (quarter)

**Rear pillar trim removal steps**

11. Retractor cover
12. Speaker
13. Quarter trim
18. Back door opening trim
19. Rear pillar trim

**NOTE**

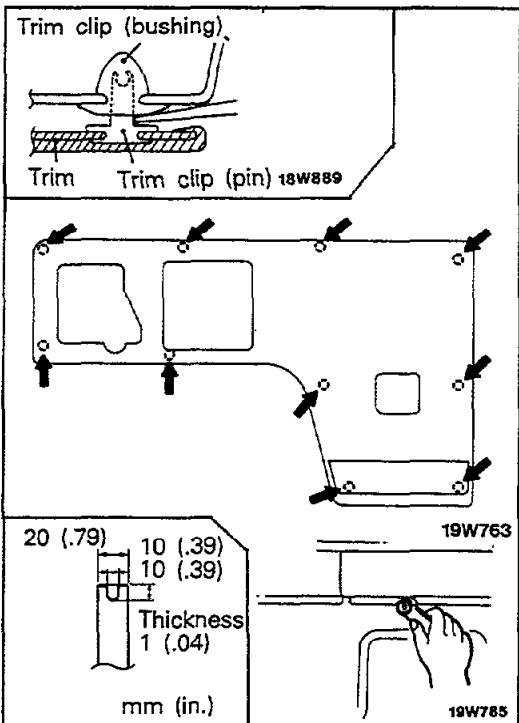
- (1) Reverse the removal procedures to reinstall.
- (2) : Refer to "Service Points of Removal".



## SERVICE POINTS OF REMOVAL

### 4. REMOVAL OF COWL SIDE TRIM

- (1) Insert a plastic trim tool under the cowl side trim and remove the clips.
- (2) Remove the cowl side trim.

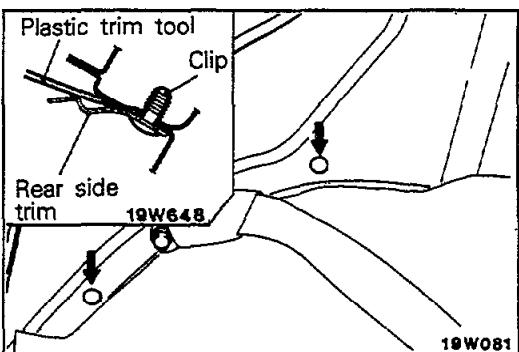


### 13. REMOVAL OF QUARTER TRIM

Insert a plastic trim tool between the trim clip (bushing) and trim clip (pin) and then pry the trim clip to remove.

#### NOTE

If the trim clip (bushing) and trim clip (pin) come off together, separate the trim clip assembly from the trim and install the trim clip (bushing) at the door side. Then improvise a tool (such as shown in the illustration) to remove the trim clip (pin).



### 14. REMOVAL OF REAR SIDE TRIM

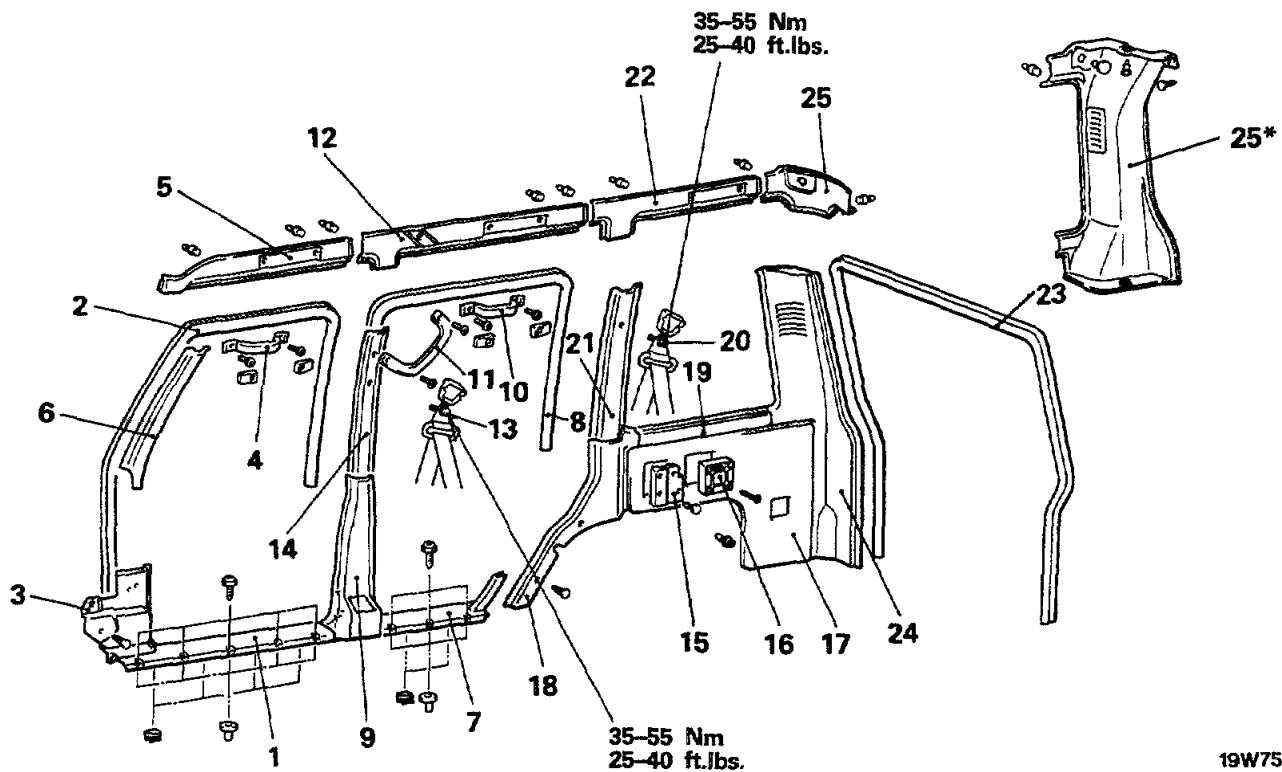
- (1) Insert a plastic trim tool under the rear side trim and remove the clips.
- (2) Remove the rear side trim.

#### NOTE

When cutting the clips, be careful not to scratch the body panel.

## REMOVAL AND INSTALLATION &lt;4-Door Vehicles with a Sunroof&gt;

N23UCAV



19W751

## Quarter trim removal steps

15. Retractor cover

16. Speaker

## ↔ 17. Quarter trim

## Rear side trim and pillar trim (quarter) removal steps

7. Rear rail cover

8. Rear door opening trim

15. Retractor cover

16. Speaker

## ↔ 17. Quarter trim

## ↔ 18. Rear side trim

19. Quarter trim, upper

20. Rear seat belt installation bolt

21. Pillar trim (quarter)

## Rear roof side trim removal steps

7. Rear rail cover

8. Rear door opening trim

## ↔ 22. Rear roof side trim

## Rear pillar trim removal steps

15. Retractor cover

16. Speaker

## ↔ 17. Quarter trim

23. Back door opening trim

24. Rear pillar trim

## ↔ 25. Rear pillar trim (upper)

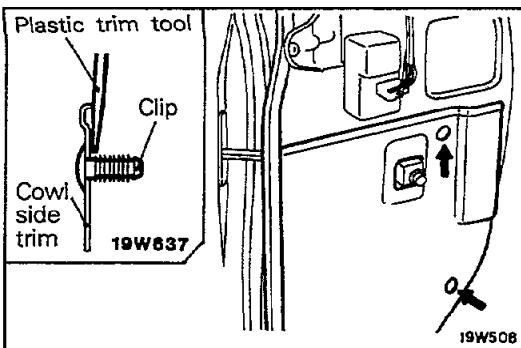
## NOTE

(1) Reverse the removal procedures to reinstall.

(2) ↔ : Refer to "Service Points of Removal".

(3) ↔ : Refer to "Service Points of Installation".

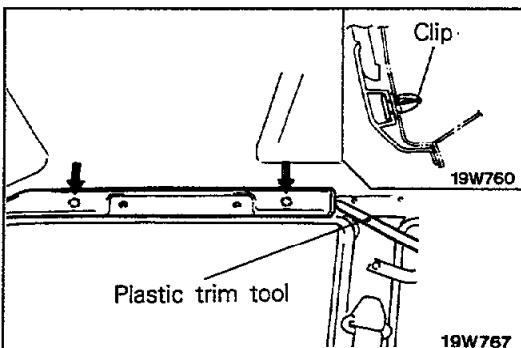
(4) The \* symbol indicates the rear pillar trim (right) when the dual air conditioner is installed.



## SERVICE POINTS OF REMOVAL

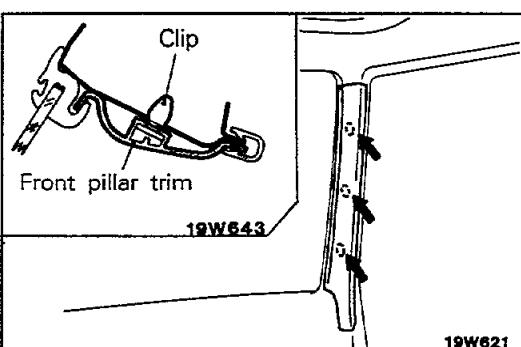
### 3. REMOVAL OF COWL SIDE TRIM

- (1) Insert a plastic trim tool under the cowl side trim and remove the clips.
- (2) Remove the cowl side trim.



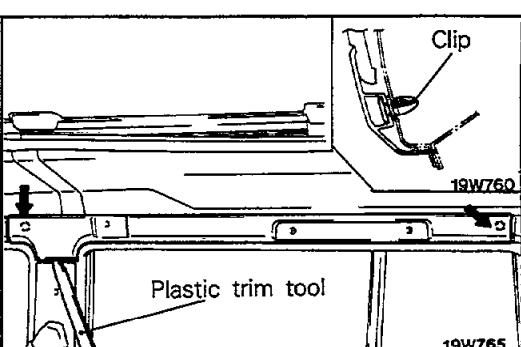
### 5. REMOVAL OF FRONT ROOF SIDE TRIM

Using a plastic trim tool, remove the front roof side trim.



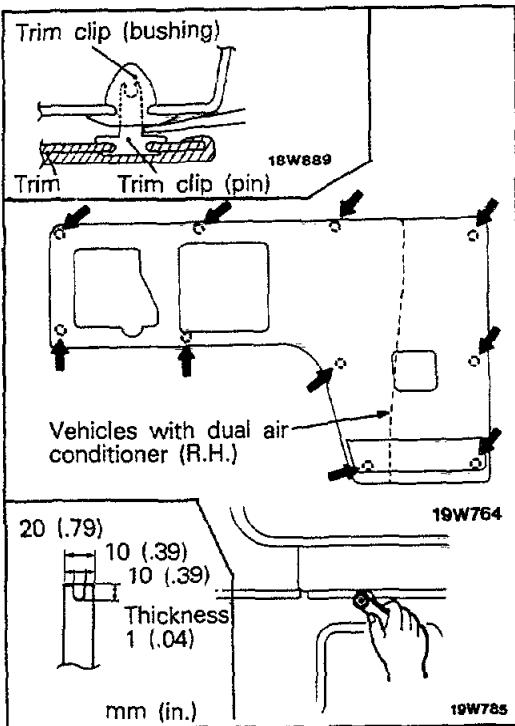
### 6. REMOVAL OF FRONT PILLAR TRIM

Remove the front pillar trim.



### 12. REMOVAL OF CENTER ROOF SIDE TRIM

Using a plastic trim tool, remove the center roof side trim.

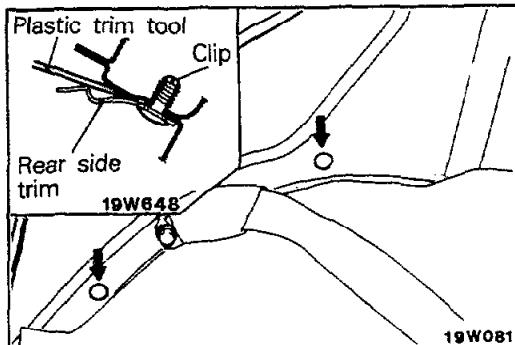


## 17. REMOVAL OF QUARTER TRIM

Insert a plastic trim tool between the trim clip (bushing) and trim clip (pin) and then pry the trim clip to remove.

### NOTE

If the trim clip (bushing) and trim clip (pin) come off together, separate the trim clip assembly from the trim and install the trim clip (bushing) at the door side. Then improvise a tool (such as shown in the illustration) to remove the trim clip (pin).

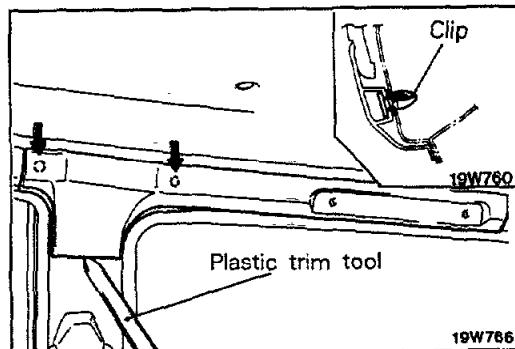


## 18. REMOVAL OF REAR SIDE TRIM

- (1) Insert a plastic trim tool under the rear side trim and remove the clips.
- (2) Remove the rear side trim.

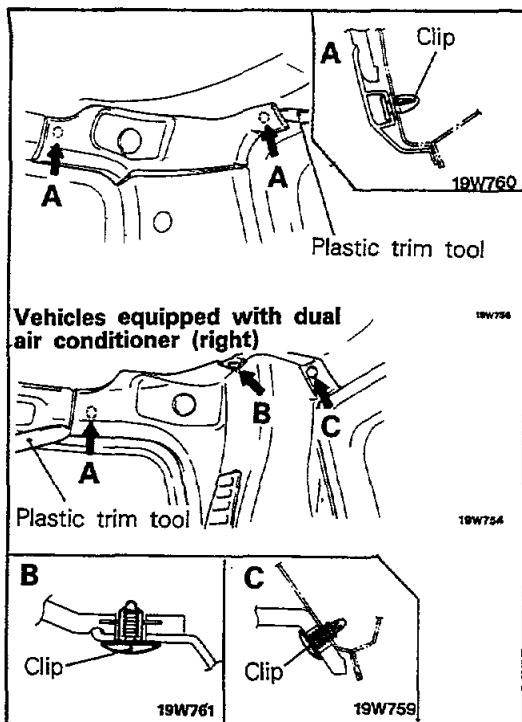
### NOTE

When cutting the clips, be careful not to scratch the body panel.



## 22. REMOVAL OF REAR ROOF SIDE TRIM

Using a plastic trim tool, remove the center roof side trim.



## 25. REMOVAL OF REAR PILLAR TRIM (UPPER)

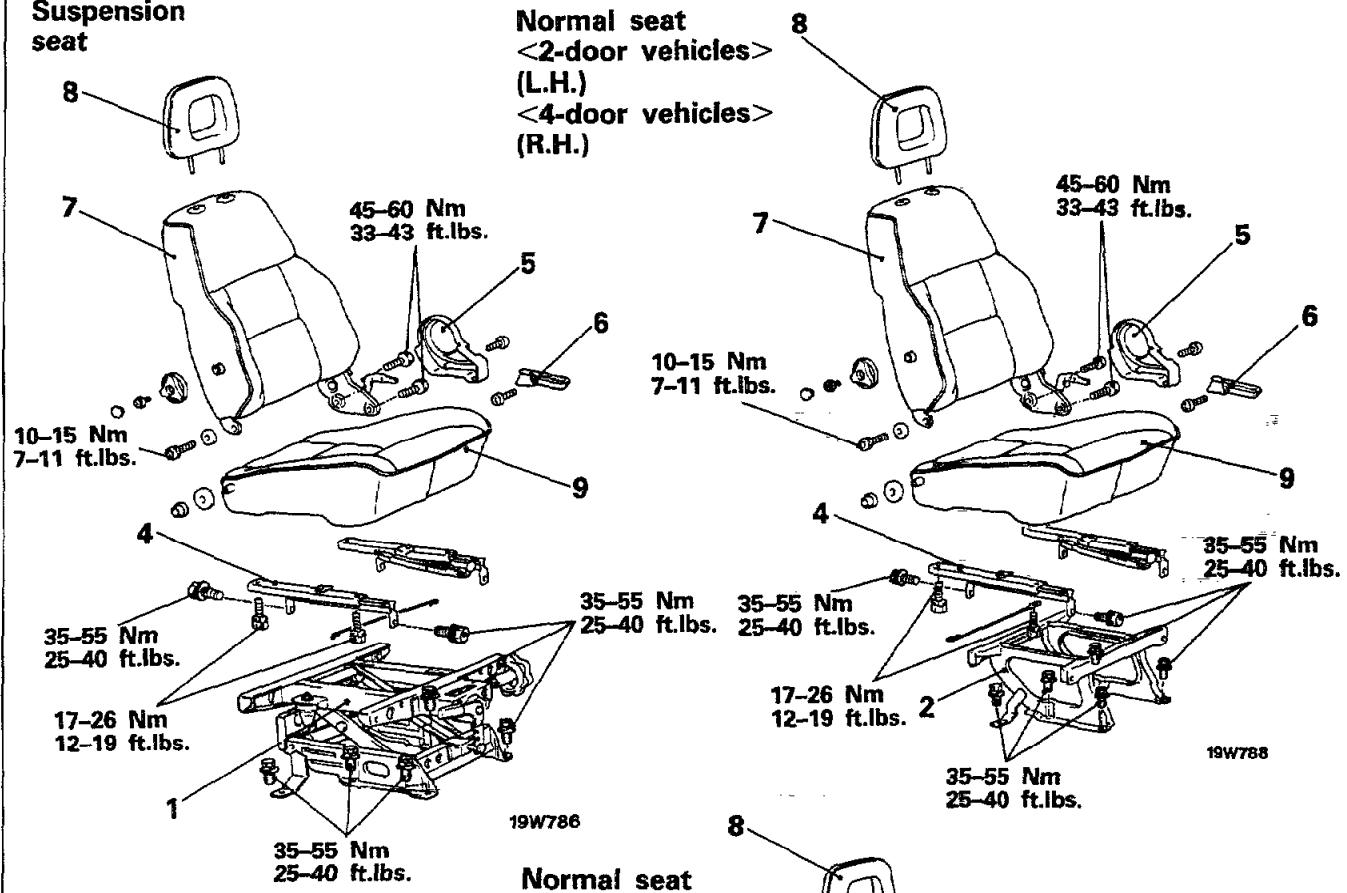
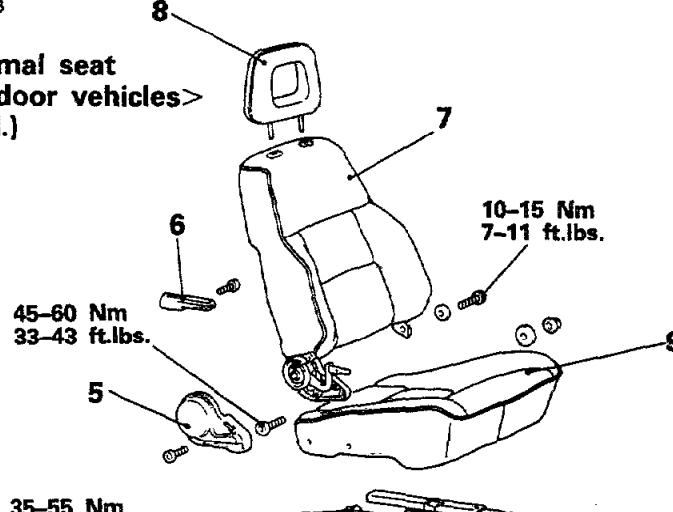
Using a plastic trim tool, remove the rear pillar trim (upper).

## FRONT SEATS

## DISASSEMBLY AND REASSEMBLY

N23UEAO

## Suspension seat

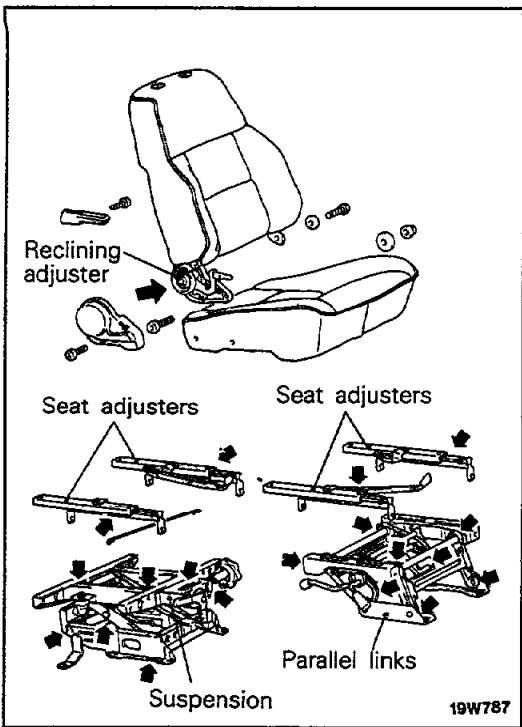
Normal seat  
<2-door vehicles>  
(R.H.)

## Disassembly steps

- ◆◆ 1. Suspension assembly
- 2. Seat support bracket
- ◆◆ 3. Parallel link assembly
- ◆◆ 4. Seat adjuster
- 5. Adjuster cover
- 6. Reclining lever knob
- 7. Front seatback
- 8. Head restraint
- 9. Front seat cushion

## NOTE

- (1) Reverse the disassembly procedures to reassemble.
- (2) ◆◆ : Refer to "Service Points of Reassembly".



## SERVICE POINTS OF REASSEMBLY

### 4. APPLICATION OF GREASE TO SEAT ADJUSTER/3. PARALLEL LINK ASSEMBLY/1. SUSPENSION ASSEMBLY

(1) Apply the multipurpose grease to the following points.

- ① Sliding parts of seat adjusters
- ② Sliding parts of suspension
- ③ Sliding parts of parallel links
- ④ Sliding parts of reclining adjusters

(2) After the seat has been installed, check to ensure that the seat adjusters lock at all lock positions when the seatback is moved slowly.

(3) Check to ensure that the forward folding and return mechanisms of the parallel links operate smoothly and lock securely.

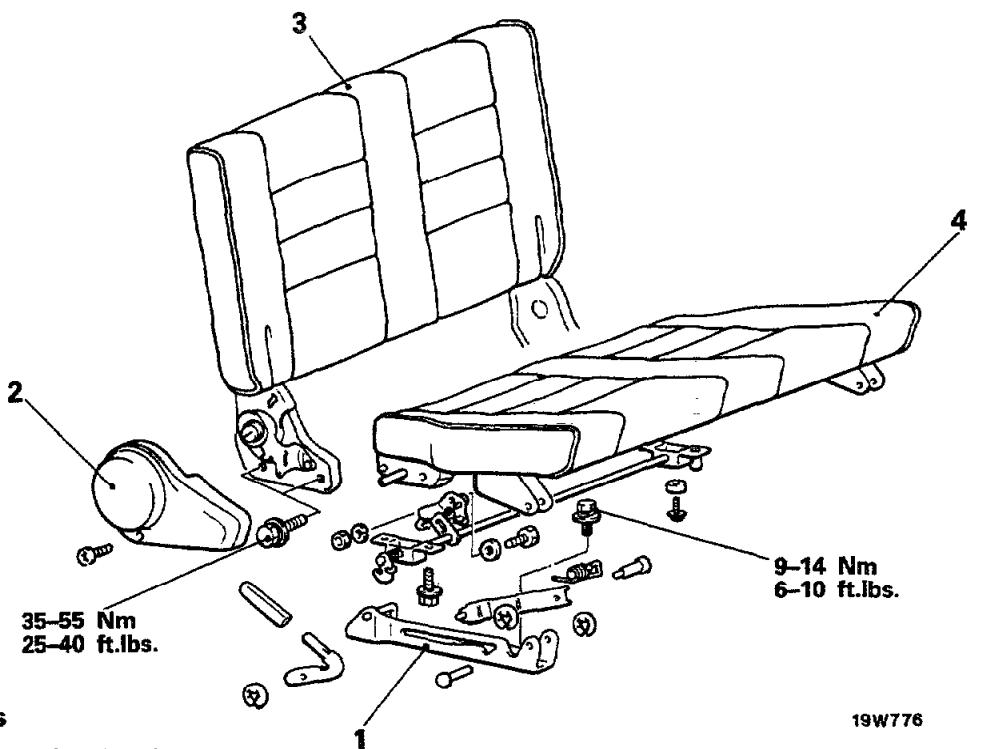
## INSPECTION

- Check the springs for damage and deterioration.
- Check the shock absorber for noise and fluid leaks.
- Check the all tightened points for looseness.
- Check the rollers for noise and damage.
- Check the links for cracks, bending or dents.
- Check the body weight adjusting handle for bends, damage or looseness.
- Check the lock lever for bends and damage.
- Check the damper rubber for cracks and damage.

## REAR SEAT

## DISASSEMBLY AND REASSEMBLY &lt;2-Door Vehicles&gt;

N23UFAFa



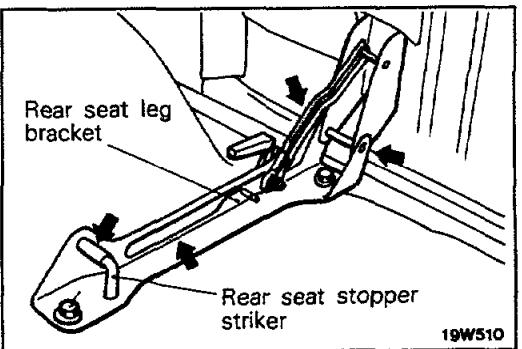
## Disassembly steps

- ◆◆ 1. Rear seat leg bracket
- 2. Reclining cover
- 3. Rear seatback
- 4. Rear seat cushion

19W776

## NOTE

- (1) Reverse the disassembly procedures to reassemble.
- (2) ◆◆ : Refer to "Service Points of Reassembly".



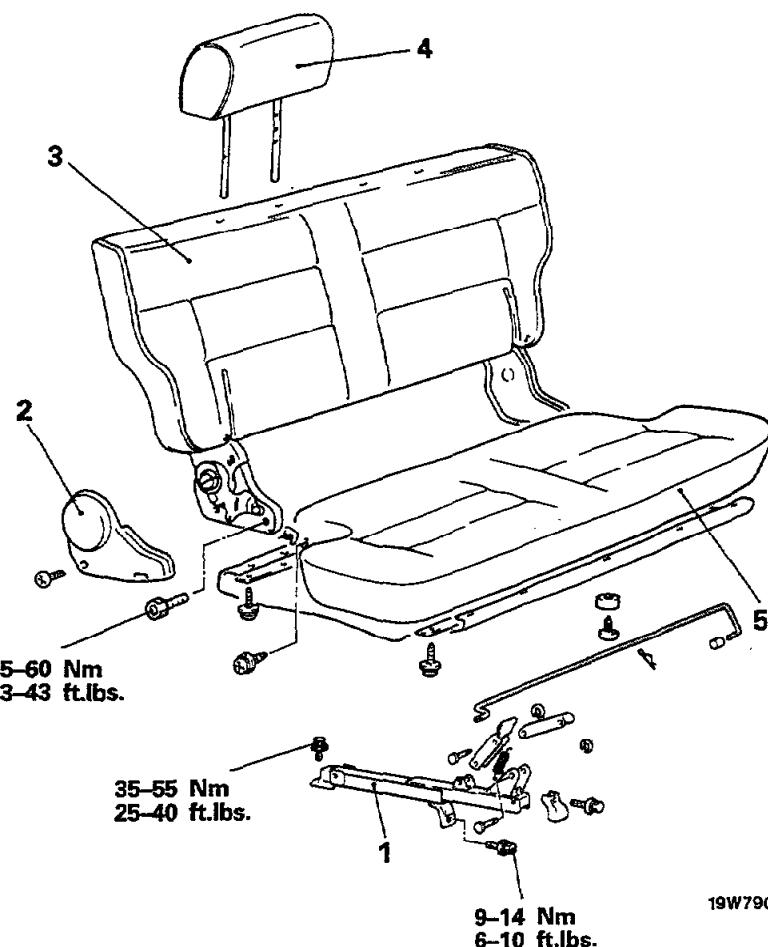
## SERVICE POINTS OF REASSEMBLY

## 1. APPLICATION OF GREASE TO REAR SEAT LEG BRACKET

- (1) Apply the multipurpose grease to the following place.
  - ① Sliding part of rear seat leg bracket
  - ② Contacting part of rear seat stopper striker
- (2) After the seat has been installed, check to ensure that the lock release, forward-down, folding and return mechanisms all operate smoothly.
- (3) Check to ensure that when the seat cushion is folded, the leg bracket locks securely.

## DISASSEMBLY AND DISASSEMBLY &lt;4-Door Vehicles&gt;

N23UFAM

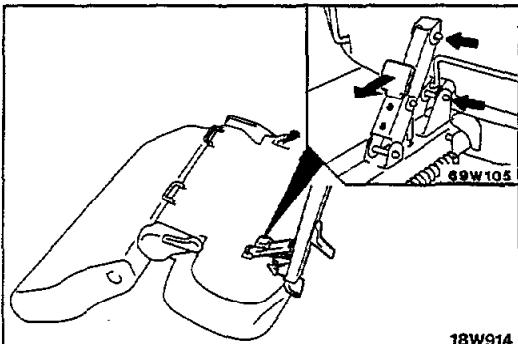


## Disassembly steps

➡ 1. Seat adjuster  
 2. Reclining cover  
 3. Rear seatback  
 4. Head restraint  
 5. Rear seat cushion

## NOTE

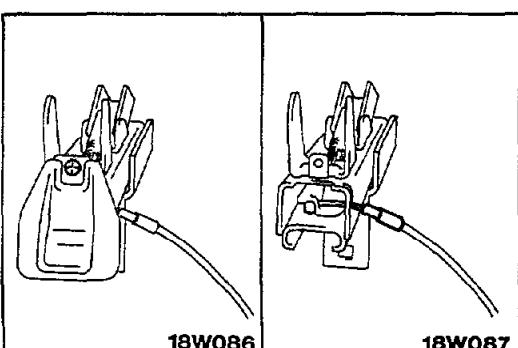
(1) Reverse the disassembly procedures to reassemble.  
 (2) ➡ : Refer to "Service Points of Removal".



## SERVICE POINTS OF DISASSEMBLY

## 1. SEAT ADJUSTER

(1) Raise the seat back, remove the seat cushion to seat adjuster pins and remove the adjuster.



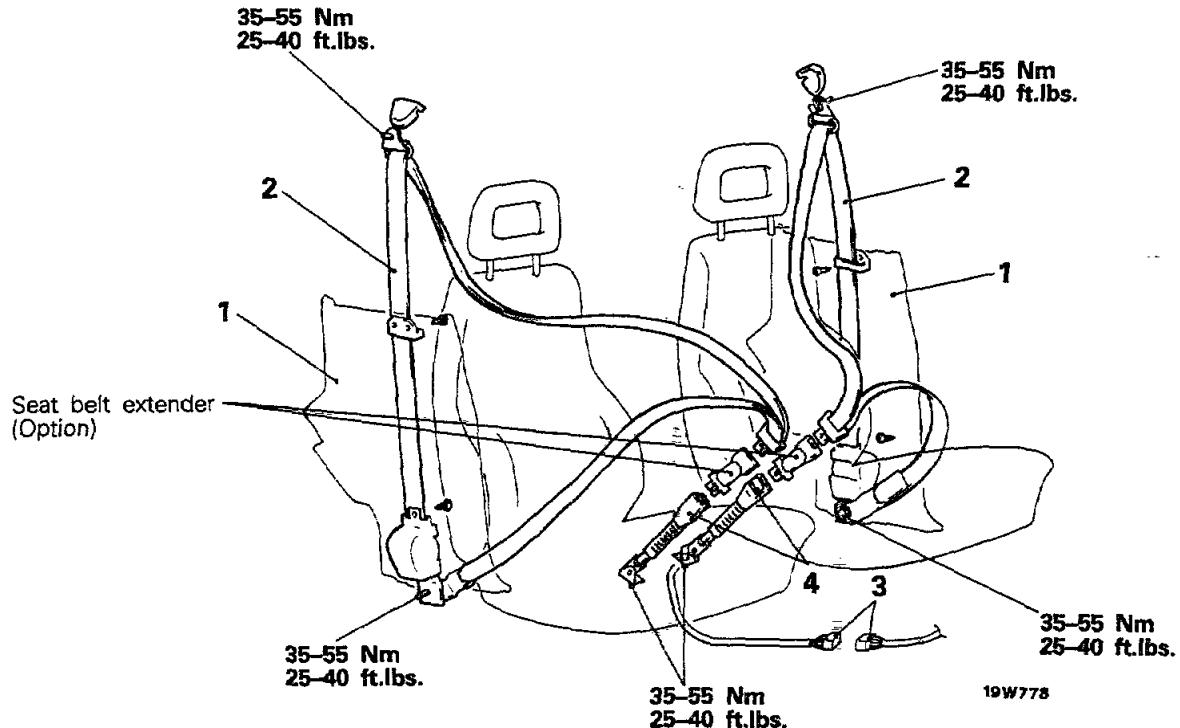
(2) Remove the protector and disconnect the reclining cable from the seat adjuster.

## SEAT BELTS

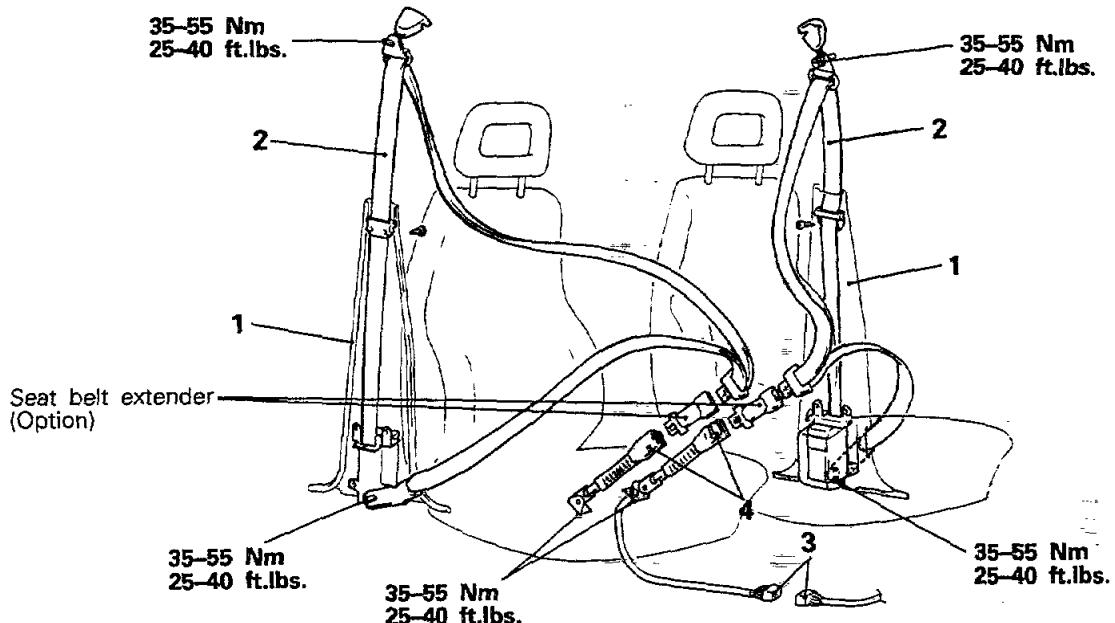
## REMOVAL AND INSTALLATION (Front Seat Belts)

N23UGAW

## &lt;2-door vehicles&gt;



## &lt;4-door vehicles&gt;



## Removal steps

- ◆◆ 1. Center pillar trim
- ◆◆◆ 2. Front seat belt assembly
- ◆◆ 3. Connection of seat belt switch connector
- ◆◆ 4. Buckle stalk

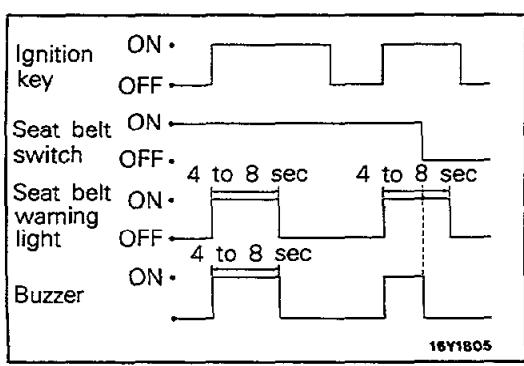
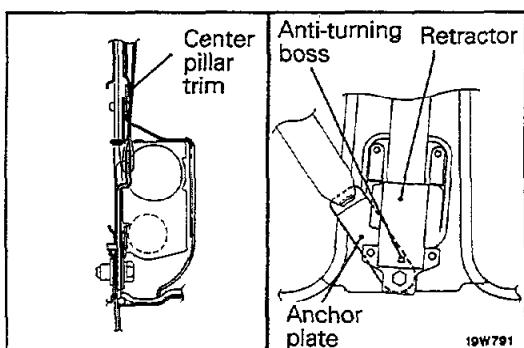
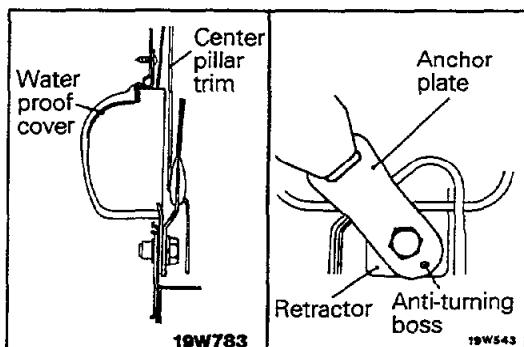
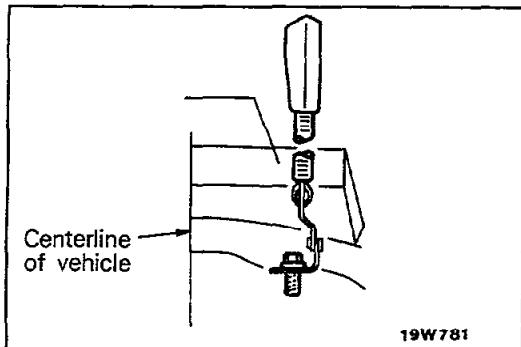
## NOTE

- (1) Reverse the removal procedures to reinstall.
- (2) ◆◆ : Refer to "Service Points of Removal".
- (3) ◆◆◆ : Refer to "Service Points of Installation".

**SERVICE POINTS OF REMOVAL****1. REMOVAL OF CENTER PILLAR TRIM**

Refer to P.23-87. &lt;2-door vehicles&gt;

Refer to P.23-90, 92. &lt;4-door vehicles&gt;

**2. REMOVAL OF FRONT SEAT BELT ASSEMBLY****Caution****Special bolts (1-in. bolts) are used for the seat belt mounting bolts.****Do not disassemble the retractor.****SERVICE POINTS OF INSTALLATION****4. INSTALLATION OF BUCKLE STALK**

Install the seat belt buckle stalk in parallel with the center line of the vehicle.

**2. INSTALLATION OF FRONT SEAT BELT ASSEMBLY****2-Door Vehicles**

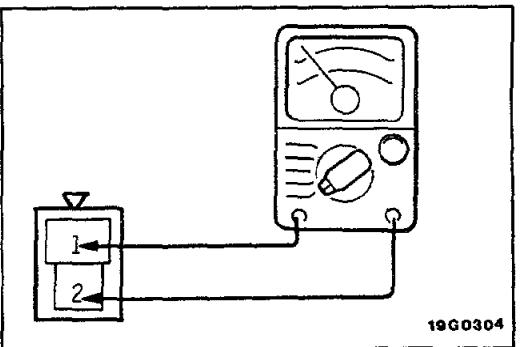
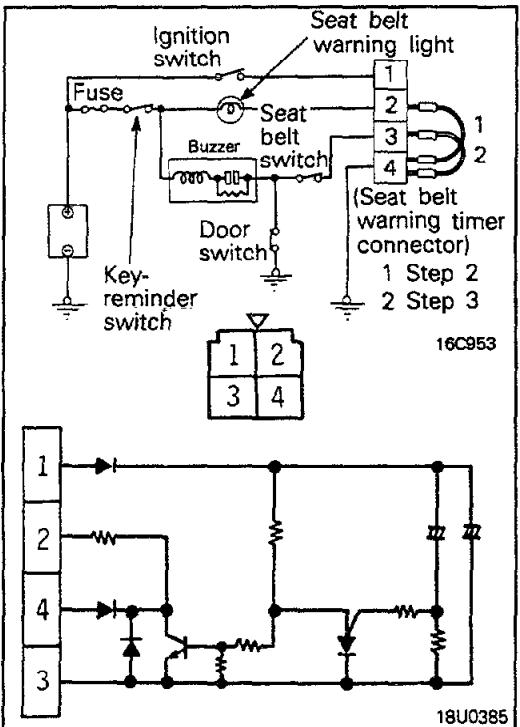
Fit the anchor plate anti-turning boss positively in the retractor side hole and jointly tighten the retractor and anchor plate.

**4-Door Vehicles**

Fit the anchor plate anti-turning boss positively in the body side hole and jointly tighten the retractor and anchor plate.

**SEAT BELT WARNING SYSTEM**

When the seat belt switch is ON (seat belts not buckled) with the ignition key in the ON position, the seat belt warning timer causes the seat belt warning light to illuminate and the buzzer to sound for 4 to 8 seconds. If the seat belts switch is set to OFF (the seat belts buckled) during the seat belt warning timer interval, only the buzzer is cancelled.



### SYSTEM INSPECTION

1. Disconnect the seat belt warning timer connector.
2. When the YG wire (terminal 2) and B wire (terminal 3) are connected with a jumper wire, the seat belt warning light should illuminate. If it fails to illuminate, check the bulb, key-reminder switch and fuse.
3. Also the buzzer should sound when the RB wire (terminal 4) and B wire (terminal 3) are connected with a jumper wire. In this condition, fasten the buckle; if the buzzer stops sounding, the seat belt switch is good.

4. If the buzzer does not sound when terminal 3 and terminal 4 are connected with a jumper wire, check continuity of the seat belt switch. If there is continuity in the seat belt switch, replace the buzzer.

Terminal	1	2
Buckle unlock	○	○
Buckle lock		

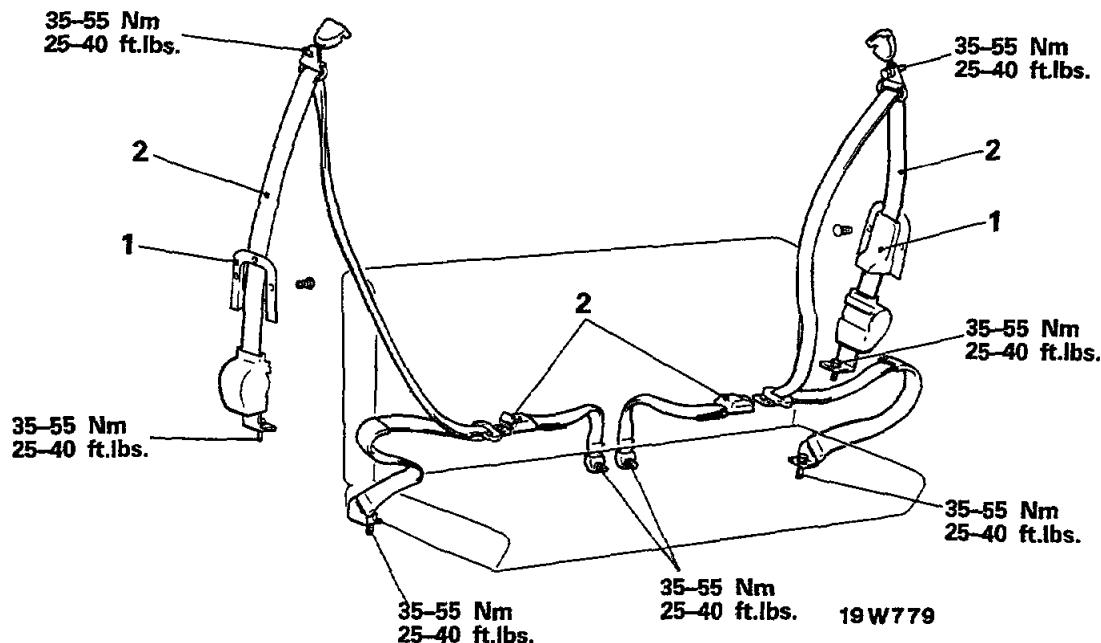
#### NOTE

○—○ indicates that there is continuity between the terminal.

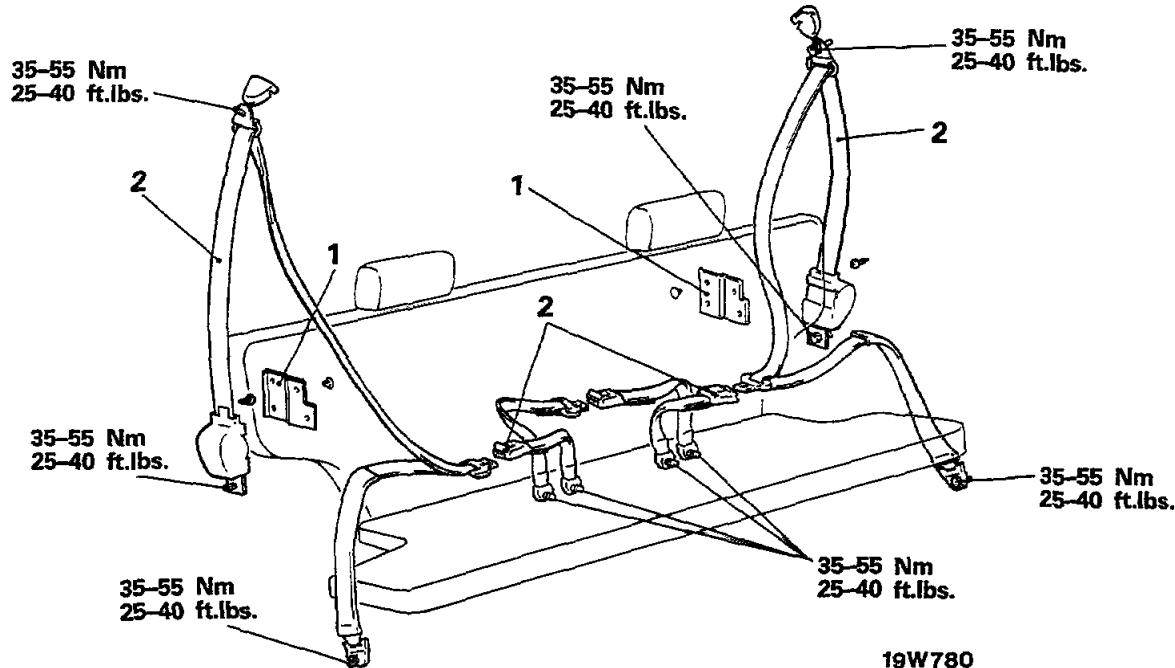
5. After performing the above inspections, reconnect the seat belt warning timer.
6. With the ignition switch turned to IG, verify the function of the seat belt warning system.

## REMOVAL AND INSTALLATION (Rear Seat Belts)

## &lt;2-door vehicles&gt;



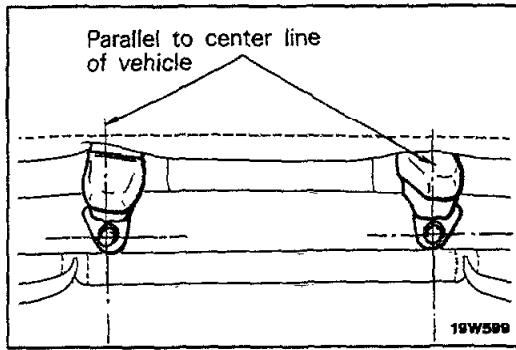
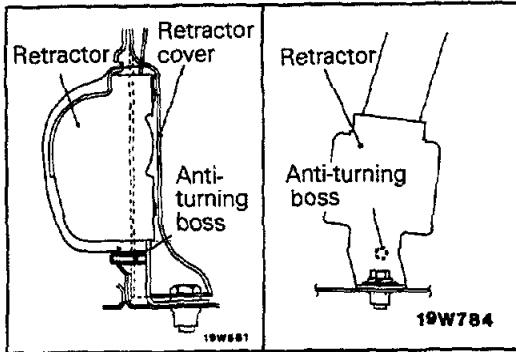
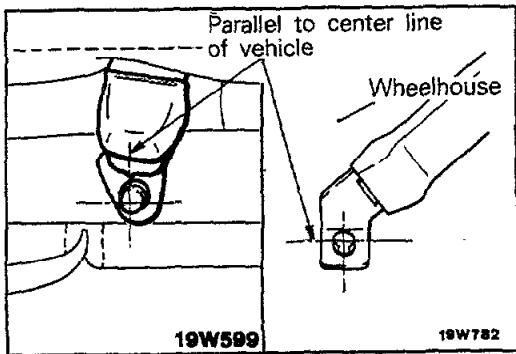
## &lt;4-door vehicles&gt;



## Removal steps

1. Retractor cover
2. Rear seat belt assembly

(1) Reverse the removal procedures to reinstall.  
 (2) ►◀ : Refer to "Service Points of Installation".



## SERVICE POINTS OF INSTALLATION

### 2. INSTALLATION OF REAR SEAT BELT ASSEMBLY

#### 2-door Vehicles

(1) Position the anchor plates at the center of the vehicle so that the belts are parallel to the vehicle center line, and then secure the plates with the bolts.

(2) Fit the anchor plate anti-turning pin positively in the body side hole and jointly tighten the retractor and anchor plate.

#### 4-door Vehicles

Position the anchor plates at the center of the vehicle so that the belts are parallel to the vehicle center line, and then secure the plates with the bolts.

#### NOTE

After tightening the bolts, securely mount the anchor covers for the inner end of the seat belts.

#### Caution

**Special bolts (1-in. bolts) are used for the seat belt mounting bolts.**