

INTERIOR

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ES2AA--

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GENERAL INFORMATION

E52BAAB

The instrument panel is made of sheet metal to which polyvinyl chloride is attached.

Center console with lid provided for Australian market.

Two styles of headlining, bonded type and formed type available.

Two styles of trim, partial or full, available.

Available Seats:

- Front Seat: bench or separated seat.
- Mini-bus second seat equipped with jump seat.
- Three styles of mini-bus third seat available, with jump seat, or with or without armrest.
- Fourth seat provided in long body vehicle.
- Heated seat for European market. (optional)

SPECIFICATIONS**GENERAL SPECIFICATIONS**

E52CA--

Items	Specifications
Heated seats (vehicles for Europe)	
Power consumption W	
HIGH	35
LOW	9
Thermostat working temperature °C (°F)	
ON → OFF	40–50 (96–122)
OFF → ON	20–30 (68–86)
Thermal protector working temperature °C (°F)	
ON → OFF	65–75 (149–167)
OFF → ON	20–30 (68–86)
Overheat protecting fuse blowing temperature °C (°F)	107–113 (225–235)

SERVICE SPECIFICATIONS

E52CB--

Items	Specifications
Standard Value	
Heated seats (vehicles for Europe)	
Seatback heater resistance (between terminals)	8 Ω
Seat cushion heater resistance (between terminals)	
Between terminals 1 and 2	8 Ω
Between terminals 1 and 3	0 Ω


TORQUE SPECIFICATIONS

E52CC---

Items	Nm	kgm	ft.lbs.
Clamp assembly	4 – 6	0.4–0.6	3 – 4
Seat adjuster	9 –14	0.9–1.4	7 –10
Floor stay, Floor stay assembly	35–55	3.5–5.5	25–40
Second seat hook	4 – 6	0.4–0.6	3 – 4
Second seat swivel installation nut A	11–17	1.1–1.7	8 –12
Second seat swivel installation nut B	16–24	1.6–2.4	12–17
Second seat rail installation bolt	35–55	3.5–5.5	25–40
Second seat recling installation bolt			
Bolt	45–60	4.5–6.0	33–43
Washer assembled bolt	35–55	3.5–5.5	25–40
Striker assembly	35–55	3.5–5.5	25–40
Fouth seat attaching bolt	9 –14	0.9–1.4	7 –10
Sash guide mounting bolt	35–55	3.5–5.5	25–40
Retractor	35–55	3.5–5.5	25–40
Buckle stalk	35–55	3.5–5.5	25–40
Second seat belt mounting bolt	35–55	3.5–5.5	25–40
Third seat belt mounting bolt	35–55	3.5–5.5	25–40
Fourth seat belt mounting bolt	35–55	3.5–5.5	25–40

SPECIAL TOOLS

E52DA---

Tool (Number and name)	Use
MB990784 Ornament remover	Removal of headlining and room lamp assembly
	

TROUBLESHOOTING

E52EA--

HEATED SEATS

Symptom	Probable cause	Remedy	Reference page
The seat cushion and seatback heaters do not operate in both "HIGH" and "LOW" positions of heater switch	Thermo fuse blown	Replace seat assembly	52-33
	Harness shorted or broken (broken harness wire, burnt covering, etc.)	Repair harness	-
	Loose connection of connector	Connect correctly	-

WHEN HEATER SWITCH IS IN "HIGH" POSITION


















Symptom	Probable cause	Remedy	Reference page
Seat cushion and seatback heaters do not operate	Seat cushion and seatback heater wires broken	Replace seat assembly	52-33
	Defective thermal protectors		
	Seat cushion harness wire and seatback harness wire are broken		
	Heated seat wiring harness wires are broken	Replace heated seat wiring harness assembly	52-33
	Defective switch	Replace switch assembly	52-35
	Loose connection of connector	Connect correctly	-
Seat cushion heater operates but seatback heater does not	Seatback heater wire broken	Replace seat assembly	52-33
	Seatback harness wires broken		
	Defective thermal protector		
	Heated seat wiring harness wires broken	Replace heated seat wiring harness	52-33
	Loose connection of the connector connecting heated seat wiring harness to heater	Connect correctly	-
Seatback heater operates but seat cushion heater does not	Seat cushion heater wire broken	Replace seat assembly	52-33
	Seat cushion harness wire broken		
	Defective thermal protector		
	Overheat protection fuse blown		
	Heated seat wiring harness wires broken	Replace heated seat wiring harness	52-33
	Defective switch	Replace switch assembly	52-35
Both seat cushion heater and seatback heater overheat	Defective thermostat	Replace seat assembly	52-33
Seat cushion heater only overheats	Defective seat cushion thermal protector		
Seatback heater only overheats	Defective seatback thermal protector	Replace seat assembly	52-33

WHEN HEATER SWITCH IS IN "LOW" POSITION

Symptom	Probable cause	Remedy	Reference page
Both seat cushion heater and seatback heater do not operate	Seat cushion heater wire broken	Replace seat assembly	52-33
	Seat cushion harness wires broken		
	Overheat protection fuse blown		
	Defective seat cushion thermal protector		
	Seatback heater wire broken	Replace seat assembly	52-33
	Seatback harness wire broken		
	Defective seatback thermal protector		
	Heated seat wiring harness wires broken	Replace heated seat wiring harness	52-33
	Defective switch	Replace switch assembly	52-35
	Loose connection of connector	Connect correctly	-

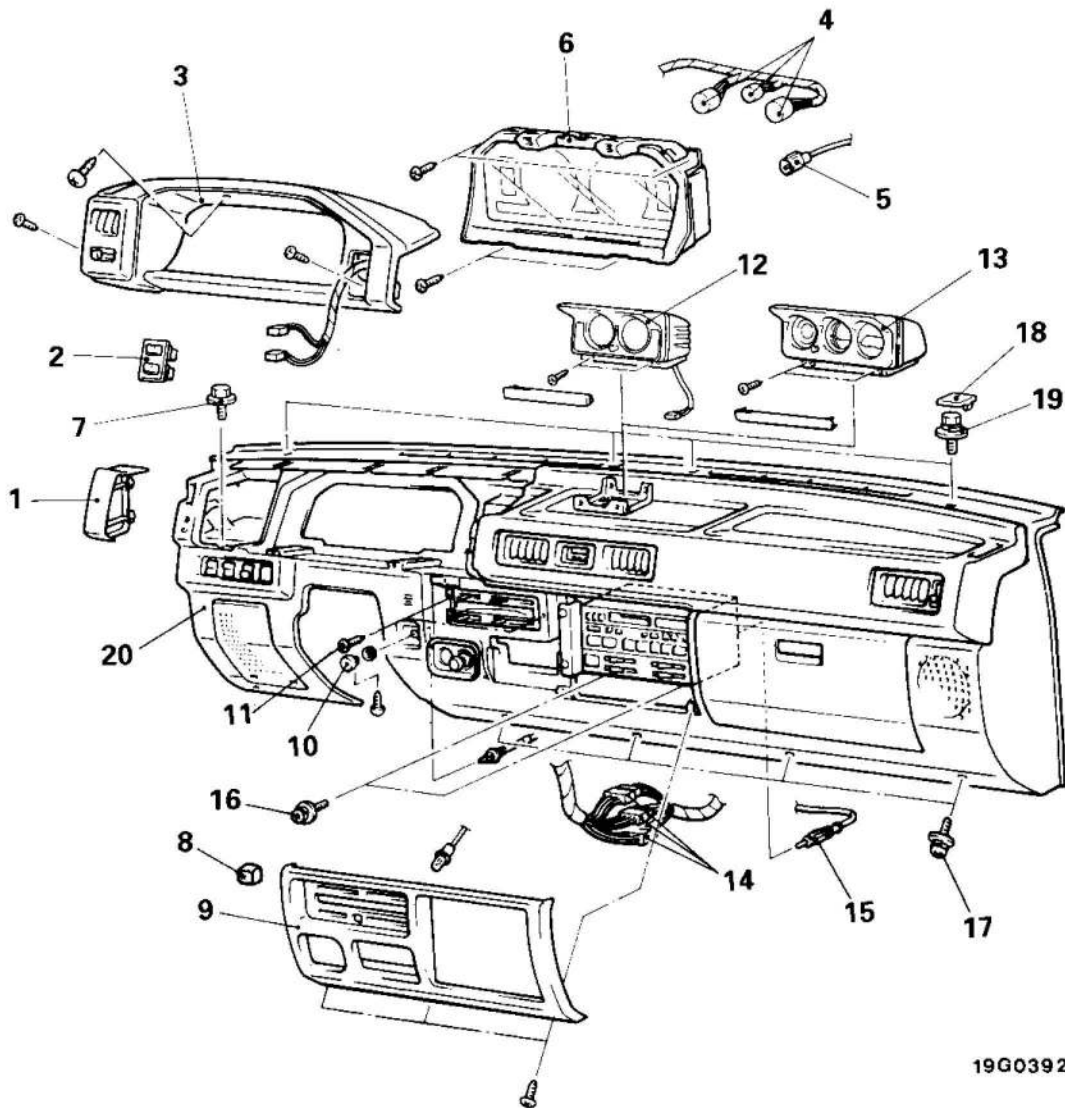
INSTRUMENT PANEL

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

Symbol	Name and shape	Dimensions (in.)	mm	Symbol	Name and shape	Dimensions (in.)	mm
A	Tapping screw (Black)  18U418	O.D. = 5 (0.20) L = 16 (0.63)		I	Washer assembled bolt  19W655	O.D. = 6 (0.24) L = 16 (0.63)	
B	Tapping screw  18U418	O.D. = 5 (0.20) L = 20 (0.79)		J	Tapping screw  18U416	O.D. = 5 (0.20) L = 16 (0.63)	
C	Washer assembled bolt  18U0420	O.D. = 6 (0.24) L = 16 (0.63)		K	Tapping screw  18U418	O.D. = 4 (0.16) L = 16 (0.63)	
D	Tapping screw  18U418	O.D. = 5 (0.20) L = 16 (0.63)		L	Tapping screw  18U416	O.D. = 4 (0.16) L = 12 (0.47)	
E	Tapping screw  18U416	O.D. = 5 (0.20) L = 12 (0.47)		M	Tapping screw (Black)  18U415	O.D. = 5 (0.20) L = 16 (0.63)	
F	Washer assembled screw  18U419	O.D. = 5 (0.20) L = 20 (0.79)		N	Tapping screw  18U416	O.D. = 5 (0.20) L = 16 (0.63)	
G	Washer assembled screw  18U419	O.D. = 6 (0.24) L = 16 (0.63)		O	Tapping screw  18U416	O.D. = 4 (0.16) L = 12 (0.47)	
H	Washer assembled screw (Green chromite treatment)  18U419	O.D. = 6 (0.24) L = 16 (0.63)		P	Tapping screw  18U416	O.D. = 5 (0.20) L = 12 (0.47)	
				Q	Washer assembled screw  19W654	O.D. = 6 (0.24) L = 16 (0.63)	

REMOVAL AND INSTALLATION

E52GB--



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Removal steps

- 1. Inspection lid
- ↔↔ 2. Switch panel
- ↔↔ 3. Meter hood
- 4. Combination meter connector connection
- 5. Speedometer cable connection
- ↔↔ 6. Combination meter
- ↔↔ 7. Brake fluid reservoir bracket mounting bolt
- 8. Heater control knob
- ↔↔ 9. Center panel
- ↔↔ 10. Knob
- ↔↔ 11. Heater control mounting screws
- ↔↔ 12. Meter assembly
(Inclinometer and Altimeter)
- ↔↔ 13. 3-meter unit <Vehicles with 3-meter unit>
- 14. Instrument panel harness and front harness connection
- 15. Antenna cable connection
- ↔↔ 16. Radio bracket mounting screws
- ↔↔ 17. Instrument panel mounting screws
- ↔↔ 18. Plugs
- ↔↔ 19. Instrument panel mounting bolts
- ↔↔ 20. Instrument panel

Pre-removal Operation

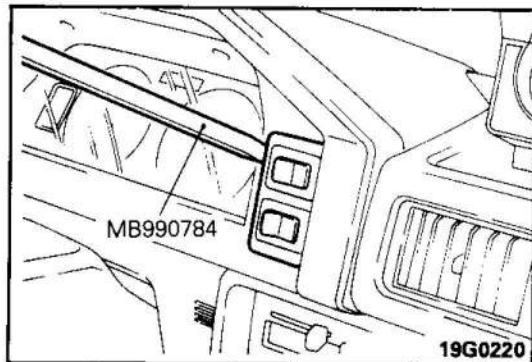
- Removal of steering wheel and column cover on vehicles without tilt-steering (Refer to GROUP 54 CHASSIS ELECTRICAL–Horn System.)

Post-installation Operation

- Installation of steering wheel and column cover on vehicles without tilt-steering (Refer to GROUP 54 CHASSIS ELECTRICAL–Horn System.)

NOTE

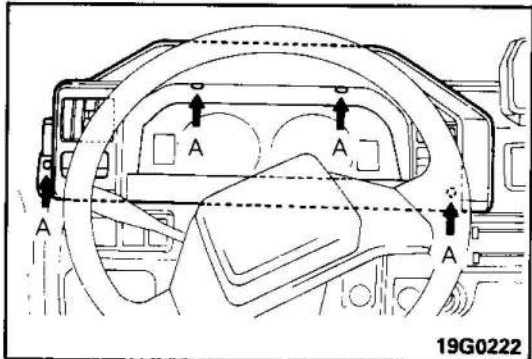
- (1) Reverse the removal procedures to reinstall.
- (2) ↔↔ : Refer to "Service Points of Removal".

**SERVICE POINTS OF REMOVAL**

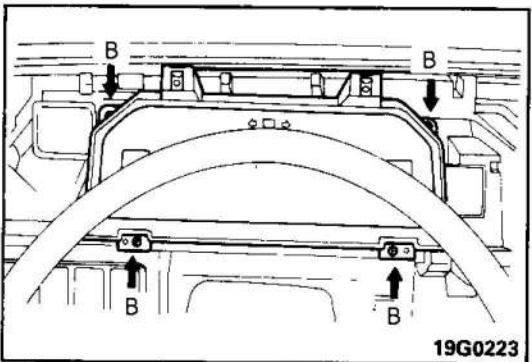
E52GCAN

2. REMOVAL OF SWITCH PANEL

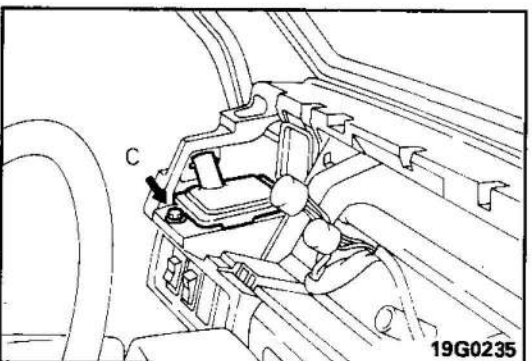
Remove the switch panel from the meter hood with the special tool.

**3. REMOVAL OF METER HOOD**

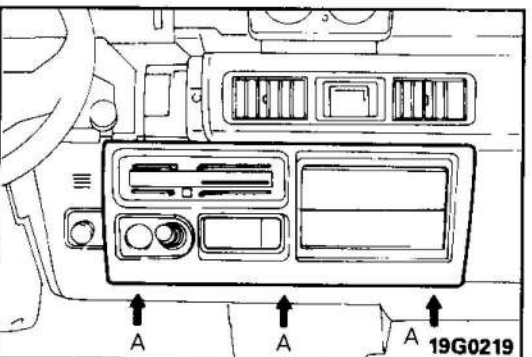
Remove the mounting screws and remove the meter hood from the instrument panel.

**6. REMOVAL OF COMBINATION METER**

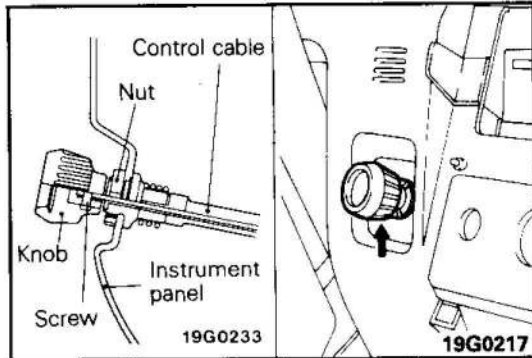
- (1) Remove the mounting screws and pull the combination meter slightly.
Disconnect the connectors and speedometer cable.
- (2) Remove the combination meter from the instrument panel.

**7. REMOVAL OF BRAKE FLUID RESERVOIR BRACKET MOUNTING BOLT**

Remove the brake fluid reservoir bracket mounting bolt.

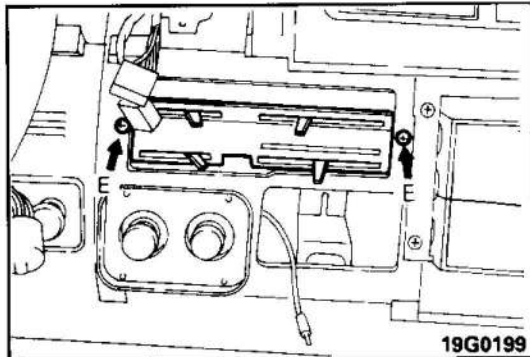
**9. REMOVAL OF CENTER PANEL**

Remove the mounting screws, and remove the center panel from the instrument panel.



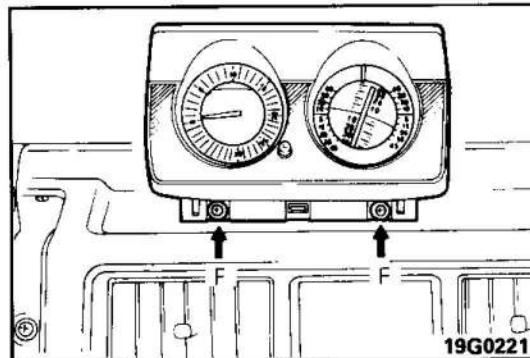
10. REMOVAL OF KNOB

- (1) Remove the mounting screws, and remove the knob from the cable.
- (2) Remove the control cable mounting nut, and press the control cable into the instrument panel.



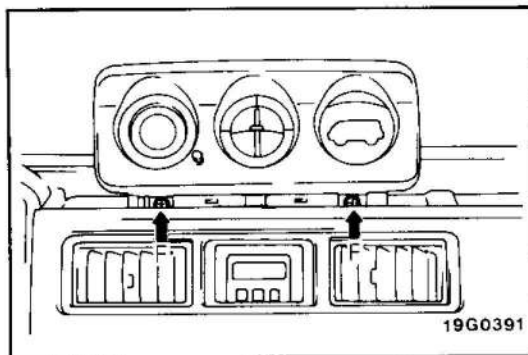
11. REMOVAL OF HEATER CONTROL MOUNTING SCREWS

Remove the heater control mounting screws, and press the heater control into the instrument panel.



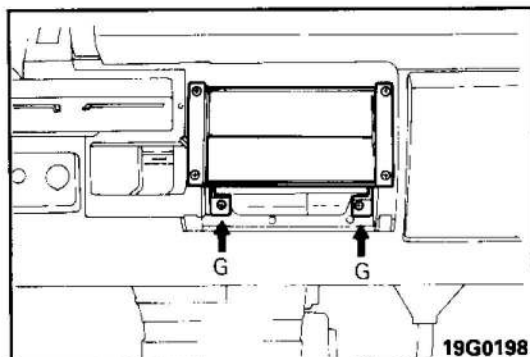
12. REMOVAL OF METER ASSEMBLY

- (1) Remove the cover.
- (2) Remove the mounting screws, and remove the inclino meter.



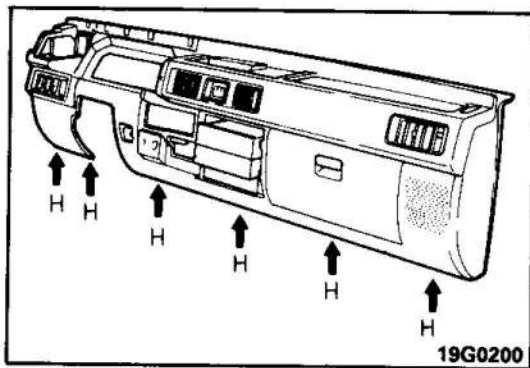
13. REMOVAL OF 3-METER UNIT <Vehicles with 3-meter unit>

- (1) Remove the cover.
- (2) Remove the mounting screws, and remove the 3-meter unit.



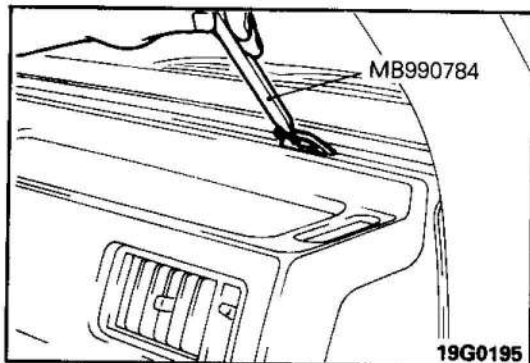
16. REMOVAL OF RADIO BRACKET INSTALLATION SCREW

Remove the mounting screws.



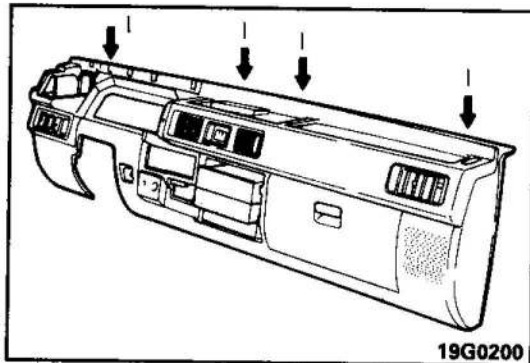
17. REMOVAL OF INSTRUMENT PANEL INSTALLATION SCREW

Remove the instrument panel mounting screws.



18. REMOVAL OF PLUGS

Remove the plug with the special tool.



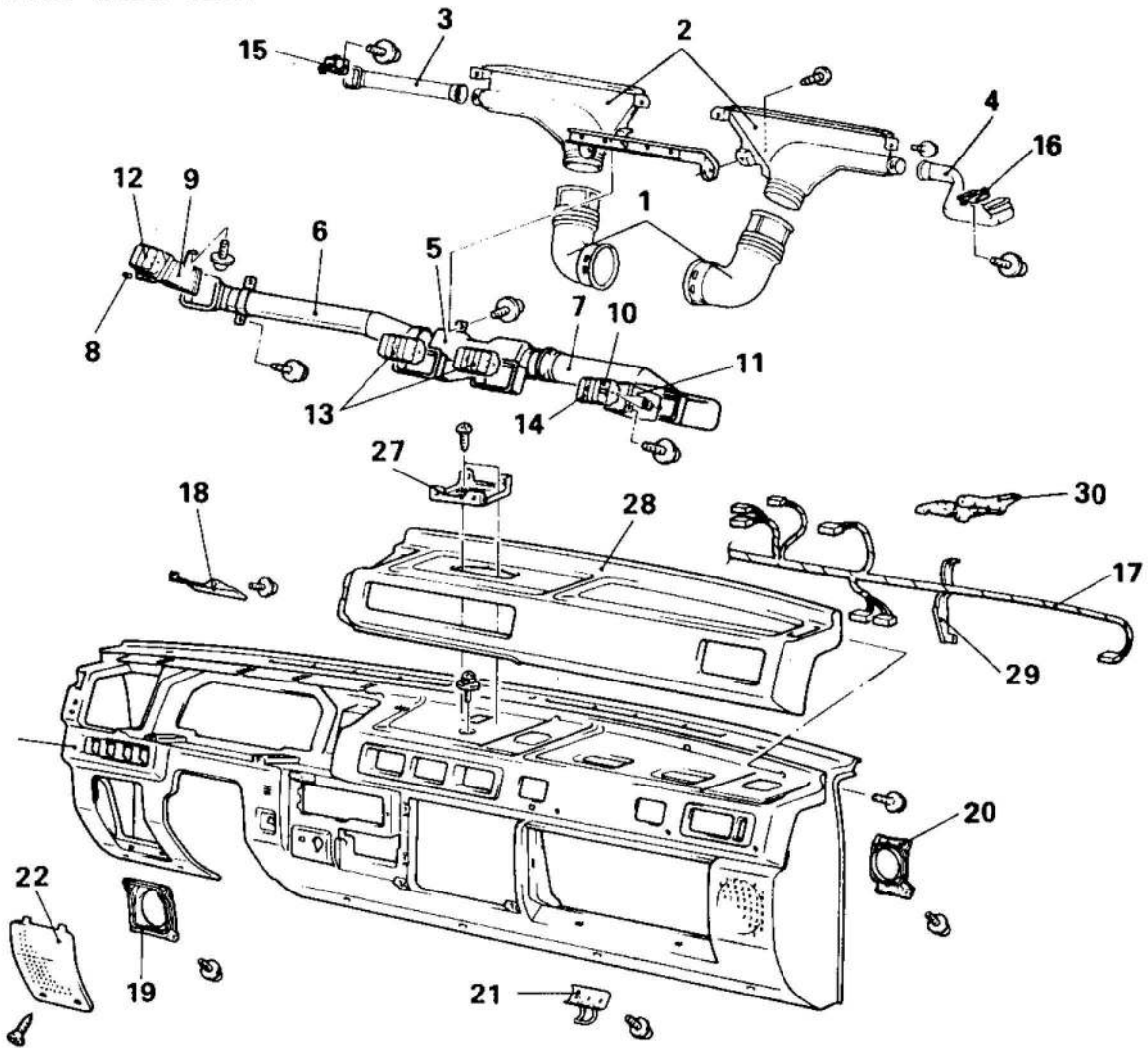
19. REMOVAL OF INSTRUMENT PANEL INSTALLATION BOLT

Remove the instrument mounting bolts.

20. REMOVAL OF INSTRUMENT PANEL

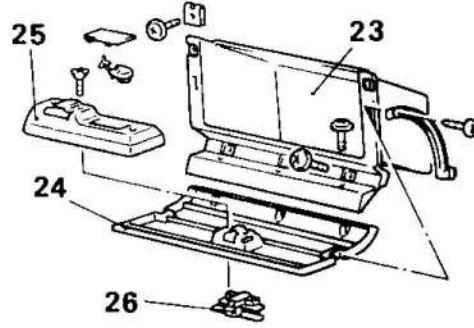
- (1) Remove the defroster duct from the front heater unit.
- (2) Tilt the steering wheel to far down position on vehicles with tilt-steering.
- (3) Remove the instrument panel.

DISASSEMBLY AND REASSEMBLY



Disassembly steps

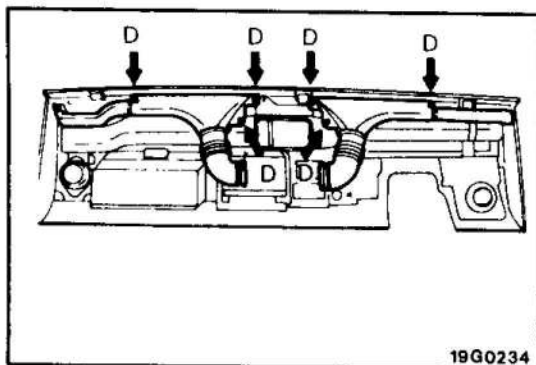
- ◆◆ 1. Defroster duct
- ◆◆ 2. Defroster nozzle
- ◆◆ 3. Side defroster duct (L.H.)
- ◆◆ 4. Side defroster duct (R.H.)
- ◆◆ 5. Center ventilator duct
- ◆◆ 6. Side ventilator duct (L.H.)
- ◆◆ 7. Side ventilator duct (R.H.)
- ◆◆ 8. Knob
- ◆◆ 9. Duct assembly (L.H.)
- ◆◆ 10. Knob
- ◆◆ 11. Duct assembly (R.H.)
- ◆◆ 12. Side air outlet (L.H.)
- ◆◆ 13. Center air outlet
- ◆◆ 14. Side air outlet (L.H.)
- ◆◆ 15. Demister grill (L.H.)
- ◆◆ 16. Demister grill (R.H.)
- ◆◆ 17. Instrument panel harness
- ◆◆ 18. Protector
- ◆◆ 19. Speaker bracket (L.H.)
- ◆◆ 20. Speaker bracket (R.H.)
- ◆◆ 21. Striker
- ◆◆ 22. Speaker garnish
- ◆◆ 23. Glove box



- ◆◆ 24. Glove box lid
- ◆◆ 25. Lock cover
- ◆◆ 26. Lock assembly
- ◆◆ 27. Meter assembly bracket
- ◆◆ 28. Instrument pad
- ◆◆ 29. Frame
- ◆◆ 30. Reinforcement
- ◆◆ 31. Instrument panel

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

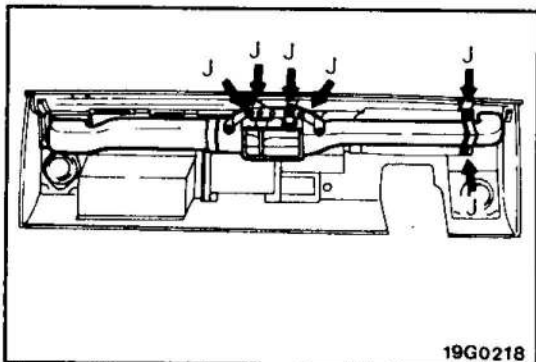
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**SERVICE POINTS OF DISASSEMBLY**

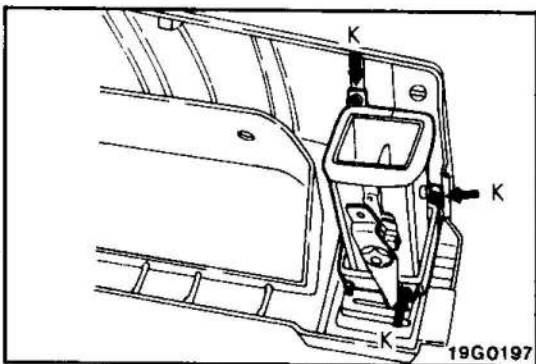
E52GGAA

2. REMOVAL OF DEFROSTER NOZZLE

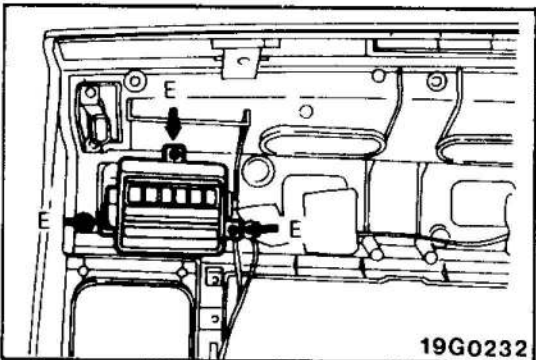
Remove the mounting screws, and remove the defroster nozzle from the instrument panel.

**5. REMOVAL OF CENTER VENTILATOR DUCT/7. SIDE VENTILATOR DUCT (R.H.)**

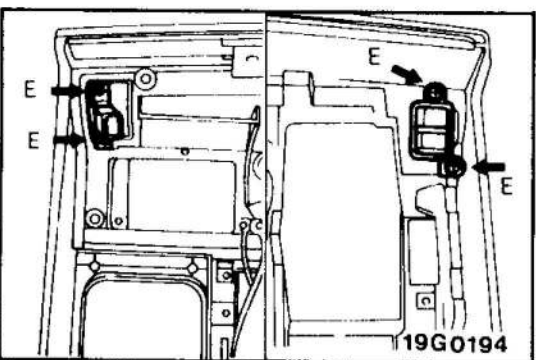
Remove the mounting screws, and remove the center ventilator duct, side ventilator duct and duct bracket from the instrument panel.

**9. REMOVAL OF DUCT ASSEMBLY (L.H.)**

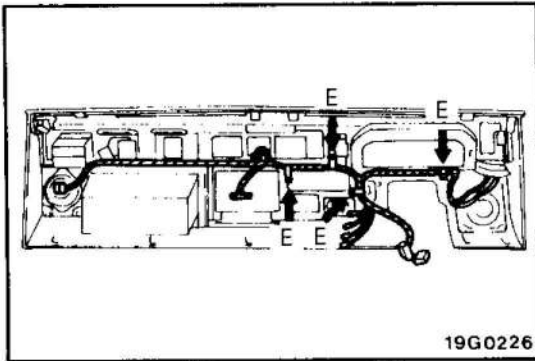
Remove the mounting screws, and remove the duct assembly (L.H.) from meter hood.

**11. REMOVAL OF DUCT ASSEMBLY (R.H.)**

Remove the mounting screws, and remove the duct assembly (R.H.) from instrument panel.

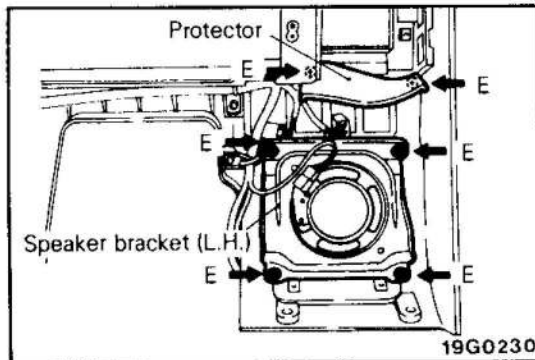
**15. REMOVAL OF DEMISTER GRILL (L.H.)/16. DEMISTER GRILL (R.H.)**

Remove the mounting screws, and remove the demister grill from the instrument panel.



17. REMOVAL OF INSTRUMENT PANEL HARNESS

Disconnect each connector and remove the clip mounting screws.
Remove the instrument harness from the instrument panel.

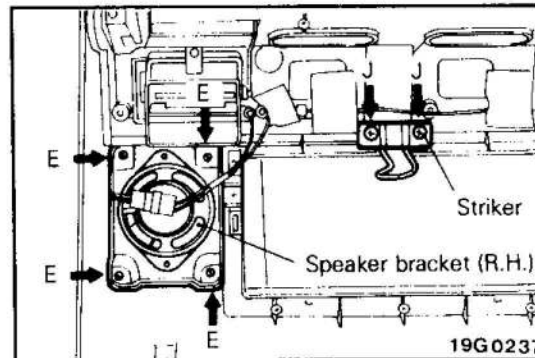


18. REMOVAL OF PROTECTOR

Remove the mounting screws, and remove the protector from the instrument panel.

19. REMOVAL OF SPEAKER BRACKET (L.H.)

Remove the mounting screws, and remove the speaker bracket (L.H.) from the instrument panel.

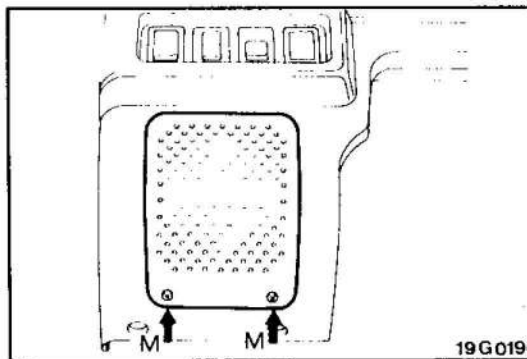


20. REMOVAL OF SPEAKER BRACKET (R.H.)

Remove the mounting screws, and remove the speaker bracket (R.H.) from the instrument panel.

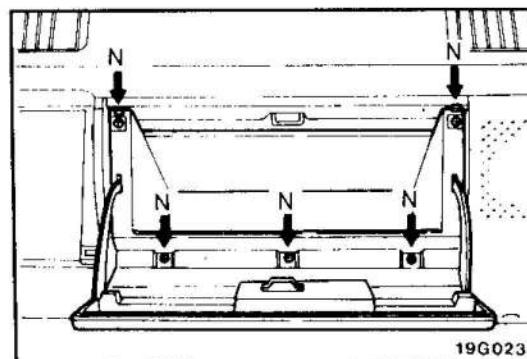
21. REMOVAL OF STRIKER

Remove the mounting screws, and remove the striker from the instrument panel.



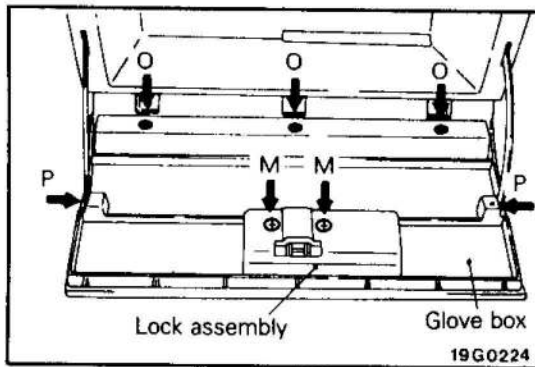
22. REMOVAL OF SPEAKER GARNISH

Remove the mounting screws, and remove the speaker garnish from the instrument panel.



23. REMOVAL OF GLOVE BOX

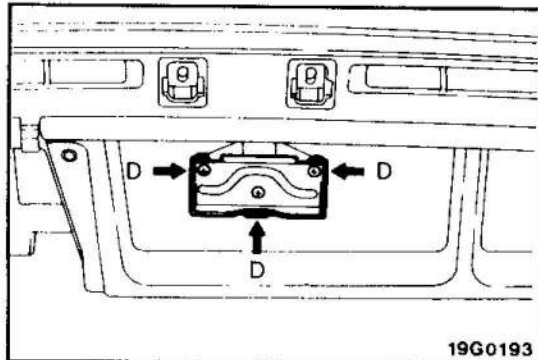
Remove the mounting screws, remove the glove box from the instrument panel.

**24. REMOVAL OF GLOVE BOX LID**

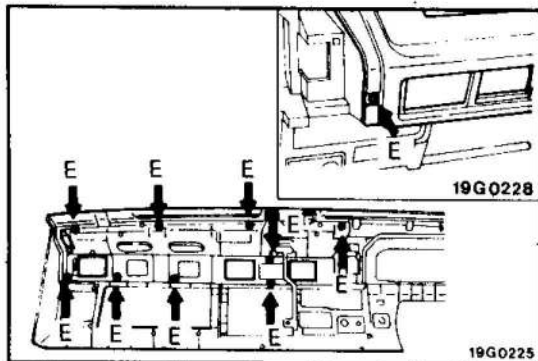
Remove the mounting screws, and remove the glove box lid.

26. REMOVAL OF LOCK ASSEMBLY

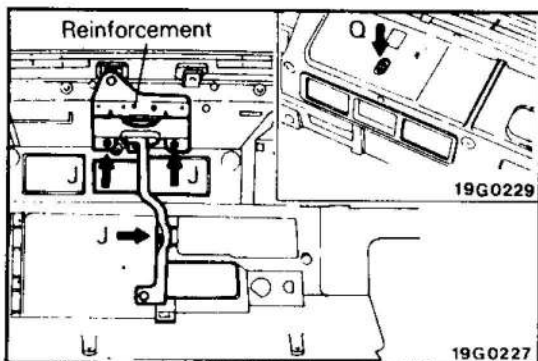
Remove the mounting bolts, and remove the lock assembly from the lid.

**27. REMOVAL OF METER ASSEMBLY BRACKET**

Remove the mounting screws, and remove the inclinometer bracket from the instrument panel.

**28. REMOVAL OF INSTRUMENT PAD**

Remove the mounting screws, and remove the instrument pad from the instrument panel.

**29. REMOVAL OF FRAME**

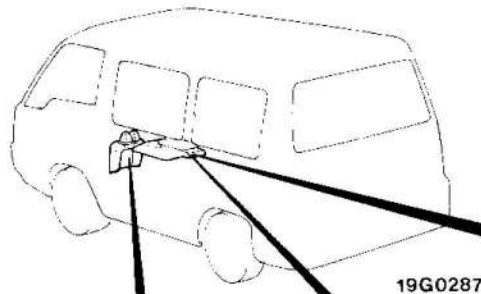
- (1) Remove the mounting screws on the front side of the instrument panel.
- (2) Remove the mounting screws on the back side of the instrument panel, and remove the frame from the instrument panel.

30. REMOVAL OF REINFORCEMENT

Remove the mounting screws, and remove the reinforcement.

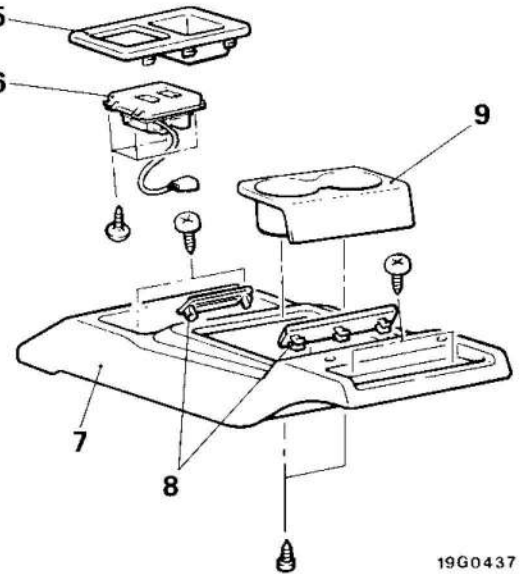
**FLOOR CONSOLE AND CENTER CONSOLE
REMOVAL AND INSTALLATION**

E52HA--

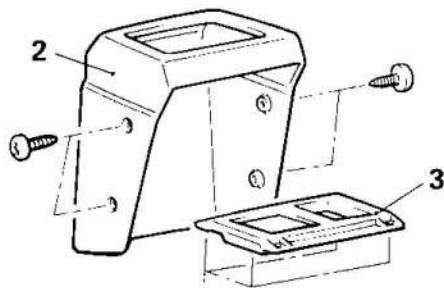


Vehicles with a power window (or vehicles with a heated seat)

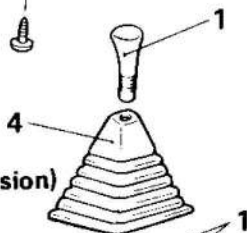
Center console without lid



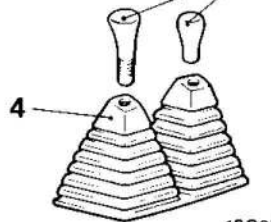
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2WD (manual transmission)



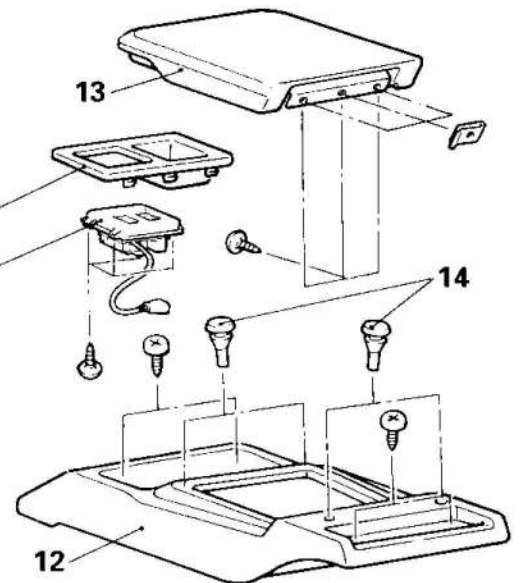
4WD



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Center console with lid

Vehicles with a power window



19G0285

Removal steps of floor console

1. Shift lever knob
2. Floor console
3. Panel
4. Shift lever cover

Removal steps of center console without lid

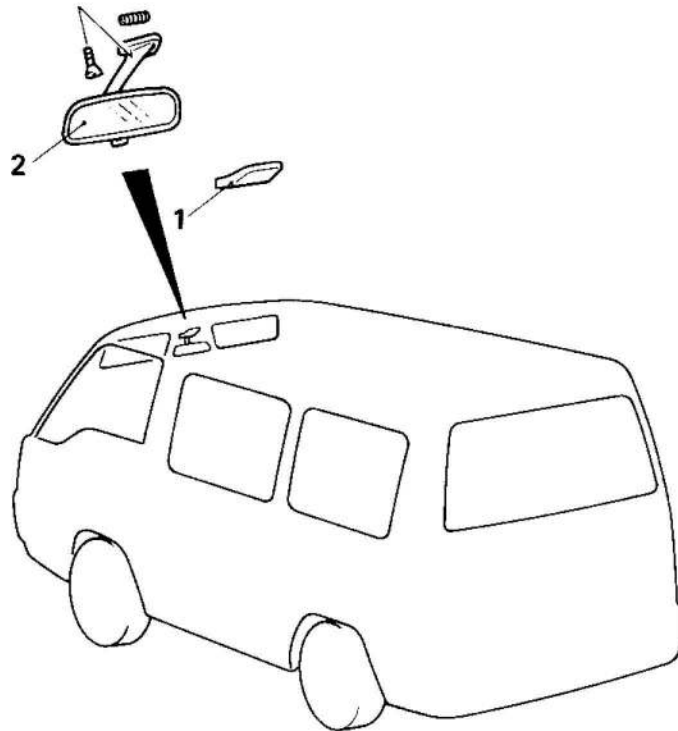
5. Switch panel
6. Power window switch (or heated seat switch)
7. Center console box
8. Console cover
9. Cup holder

Removal steps of center console with lid

10. Switch panel
11. Power window switch
12. Center console box
13. Lid assembly
14. Cushions

NOTE

Reverse the removal procedures to reinstall.

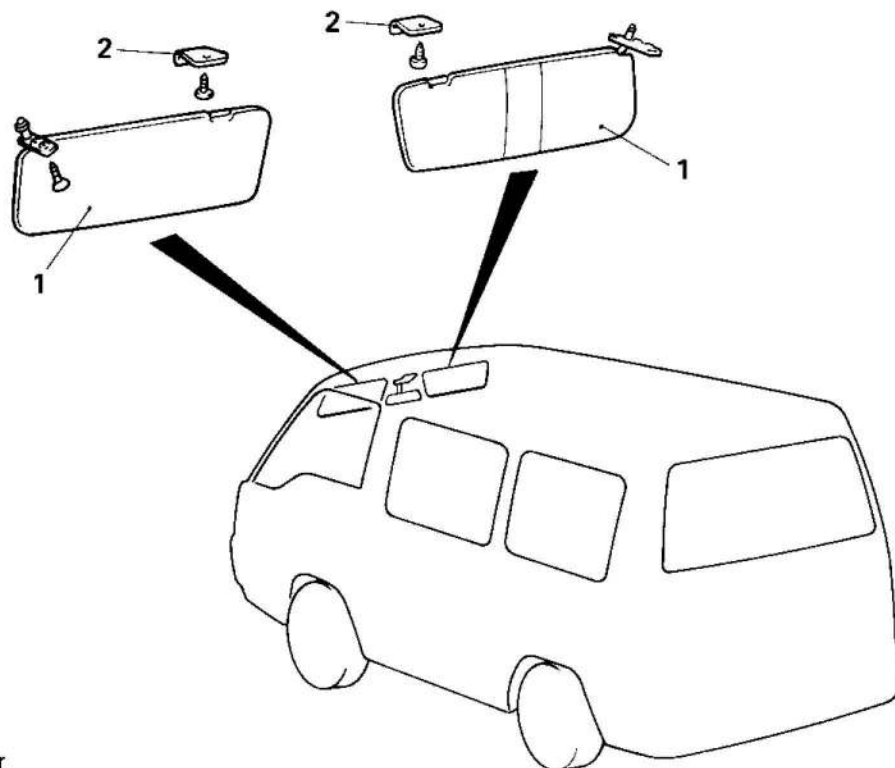
ROOM MIRROR**REMOVAL AND INSTALLATION****Removal steps**

1. Cover
2. Room mirror

NOTE

Reverse the removal procedures to reinstall.

19G0088

SUN VISOR**REMOVAL AND INSTALLATION**

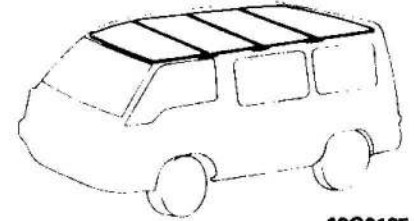
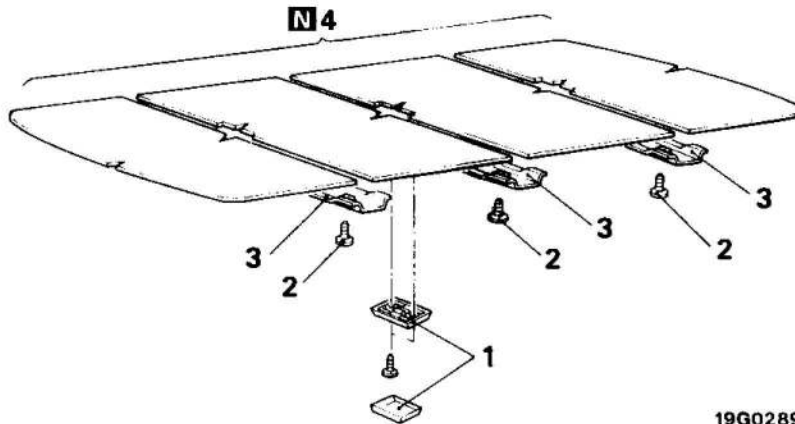
1. Sun visor
2. Sun visor holder

19G0089

HEADLINING (VEHICLES WITH BONDED TYPE STANDARD ROOF)

E521A--A

REMOVAL AND INSTALLATION



19G0125

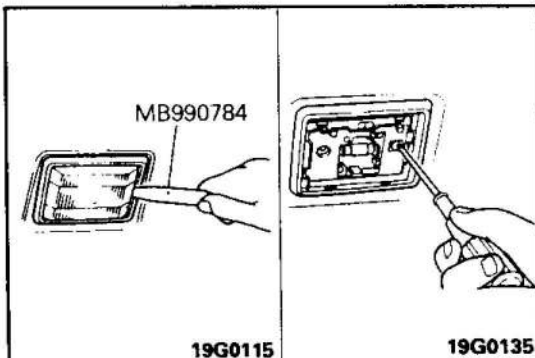
19G0289

Removal steps

- ◆◆ 1. Room lamp assembly
- 2. Tapping screws
- ◆◆◆ 3. Roof bow covers
- ◆◆◆◆ 4. Headlinings

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

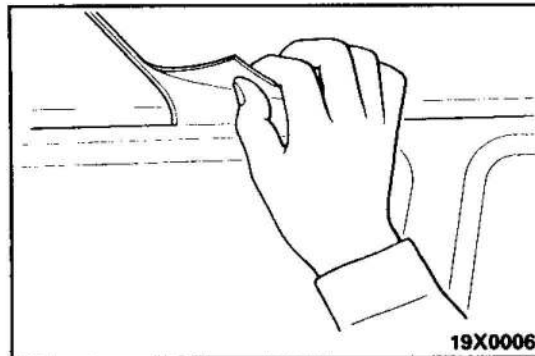


SERVICE POINTS OF REMOVAL

E528AF

1. REMOVAL OF ROOM LAMP ASSEMBLY

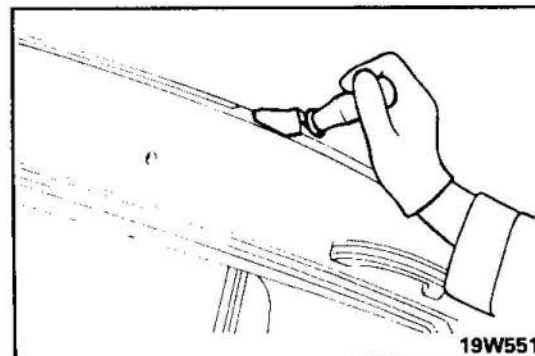
- (1) Remove the lens with the special tool.
- (2) Remove the room lamp mounting screws and connector. Remove the room lamp assembly.



19X0006

4. REMOVAL OF HEADLININGS

- Slowly remove from corner without leaving headlining sponge on roof panel.
- Use triol solution to completely remove adhesive or sponge remaining on roof panel.



19W551

SERVICE POINTS OF INSTALLATION

E5210A8

4. INSTALLATION OF HEADLININGS

- (1) Glue headlining without creasing or sagging.
- (2) Completely insert edge into roof panel flange.

HEADLINING (VEHICLES WITH BONDED TYPE HIGH ROOF)

E521A-B

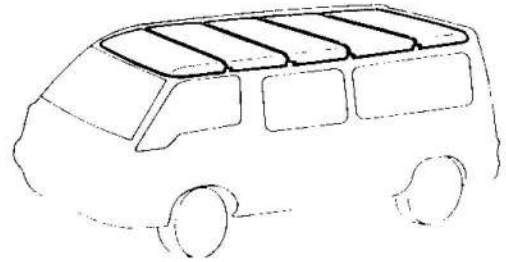
REMOVAL AND INSTALLATION

Pre-removal Operation

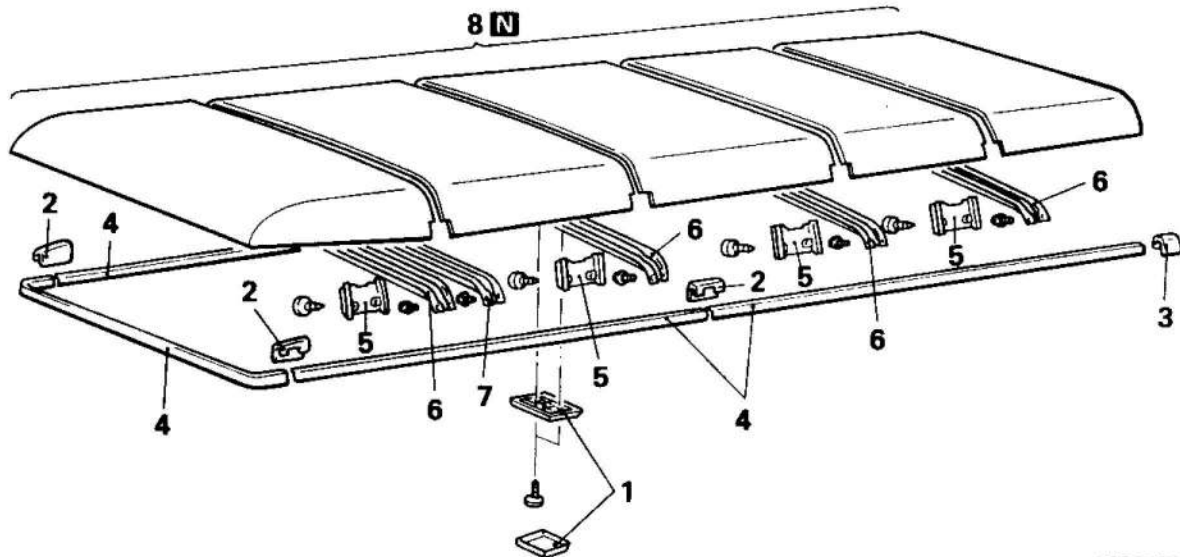
- Removal of air-conditioner unit (rear) on vehicles with rear air-conditioner (Refer to Air-conditioner manual.)

Post-installation Operation

- Installation of air-conditioner unit (rear) on vehicles with rear air-conditioner (Refer to Air-conditioner manual.)



19G0192



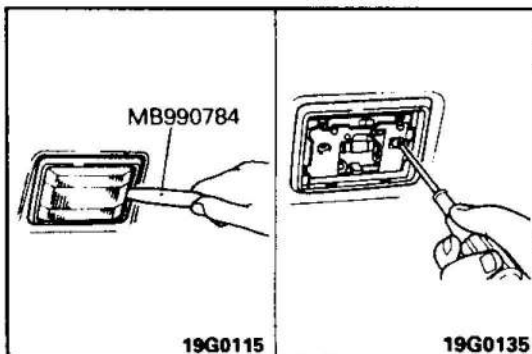
19G0290

Removal steps

- ◆◆ 1. Room lamp assembly
- ◆◆ 2. Roof rail joints
- ◆◆ 3. Edge trims
- ◆◆ 4. Roof rail trims
- ◆◆ 5. Bracket covers
- ◆◆ 6. Roof bows
- ◆◆ 7. Roof bow (vehicles with rear air-conditioner)
- ◆◆◆◆ 8. Headlinings

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



MB990784

19G0115

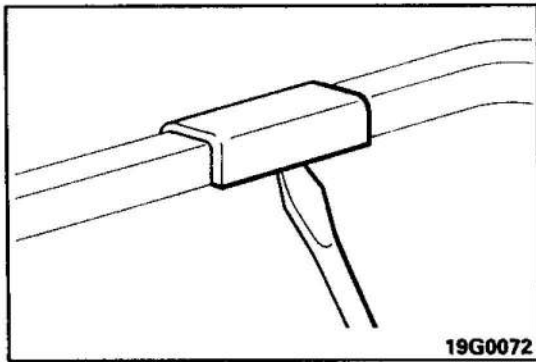
19G0135

SERVICE POINTS OF REMOVAL

E521BAG

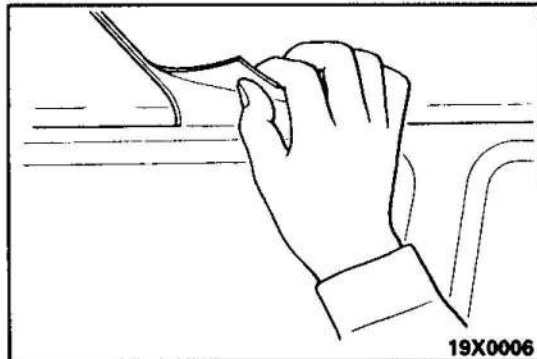
1. REMOVAL OF ROOM LAMP ASSEMBLY

- (1) Remove the lens with the special tool.
- (2) Remove the room lamp mounting screws and connector. Remove the room lamp assembly.



2. REMOVAL OF ROOF RAIL JOINTS/3. EDGE TRIMS

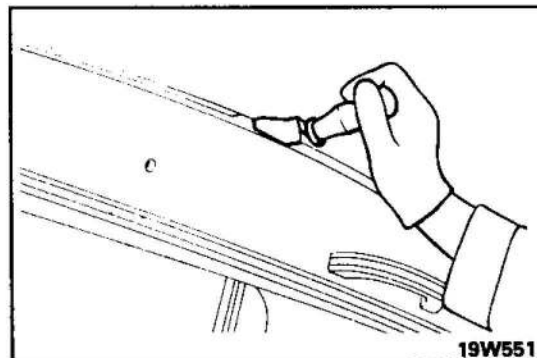
Remove the roof rail joint and edge trim with a screwdriver or similar tool.



8. REMOVAL OF HEADLININGS

Slowly remove from corner without leaving headlining sponge on roof panel.

Use triol solution to completely remove adhesive or sponge remaining on roof panel.



SERVICE POINTS OF INSTALLATION

ES2DAC

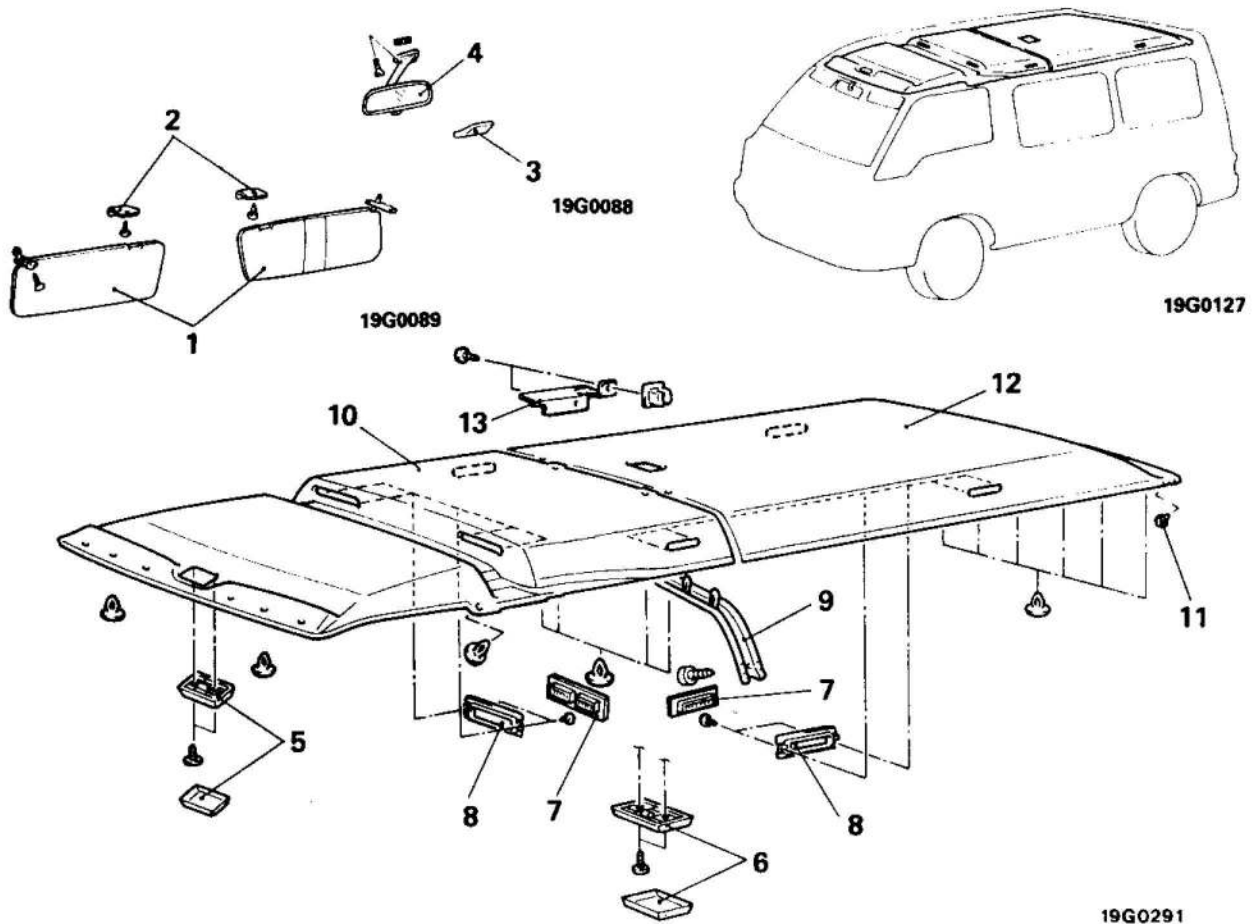
8. INSTALLATION OF HEADLININGS

- (1) Glue headlining without creasing or sagging.
- (2) Completely insert edge into roof panel flange.

HEADLINING (VEHICLES WITH FORMED TYPE STANDARD ROOF)

E521A-C

REMOVAL AND INSTALLATION



Removal steps

1. Sun visor
2. Sun visor holder
3. Cover
4. Inside rear view mirror
- ◆◆ 5. Room lamp assembly (front)
- ◆◆ 6. Room lamp assembly (rear)
- ◆◆ 7. Air outlet grilles
8. Retainers
9. Joint
- ◆◆ 10. Headlining (front)
- ◆◆ 11. Tapping screw
- ◆◆ 12. Headlining (rear)
13. Headlining bracket

Pre-removal Operation

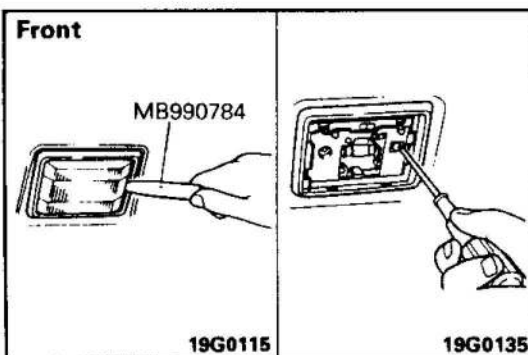
- Removal of roof side trims. (Refer to P. 52-26.)

Post-installation Operation

- Installation of roof side trims. (Refer to P. 52-26.)

NOTE

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

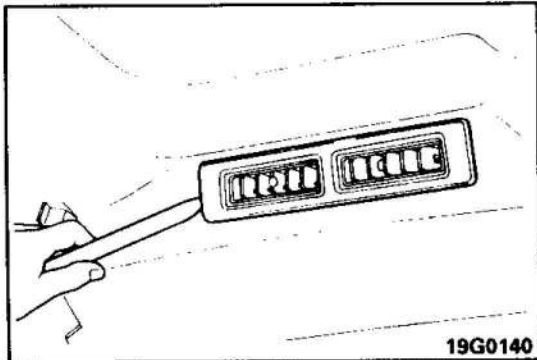
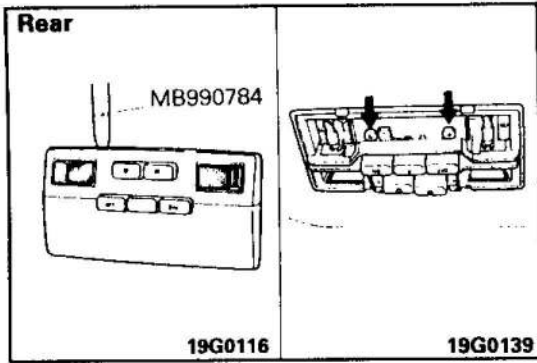


SERVICE POINTS OF REMOVAL

E521BCA

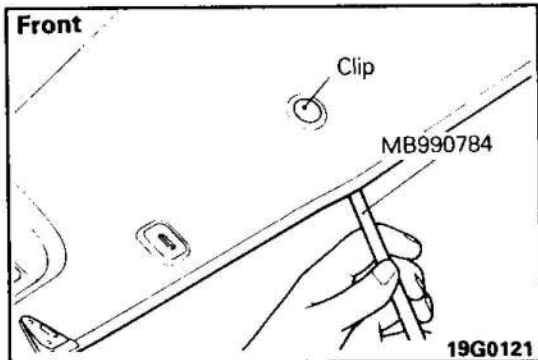
5. REMOVAL OF ROOM LAMP ASSEMBLY (FRONT)/6. ROOM LAMP ASSEMBLY (REAR)

- (1) Remove the lens with the special tool.
- (2) Remove the room lamp mounting screws and connector. Remove the room lamp assembly.



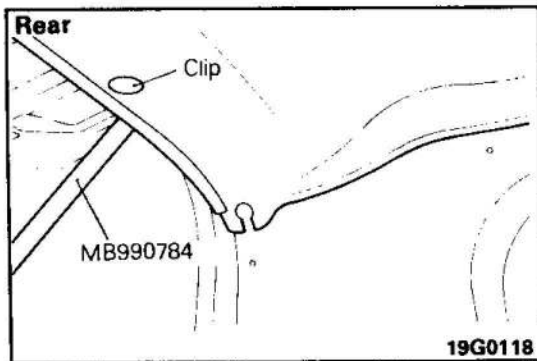
7. REMOVAL OF AIR OUTLET GRILLES

Remove the air outlet grille with the special tool.



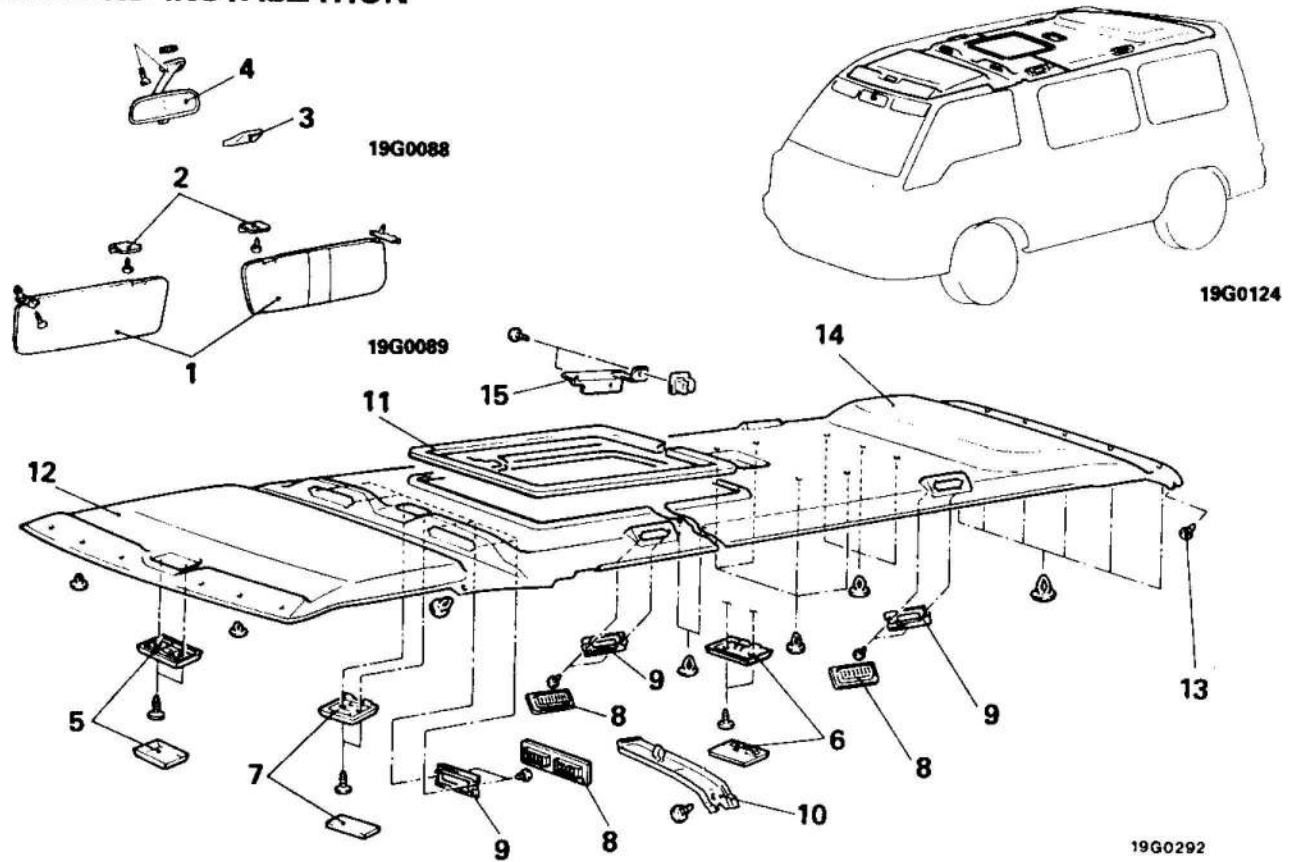
10. REMOVAL OF HEADLINING (FRONT)/12. HEADLINING (REAR)

Remove the headlining with the special tool.



HEADLINING (VEHICLES WITH SUNROOF)

REMOVAL AND INSTALLATION



Removal steps

1. Sun visor
2. Sun visor holder
3. Cover
4. Inside rear view mirror
- ◆◆ 5. Room lamp assembly (front)
- ◆◆ 6. Room lamp assembly (rear)
- ◆◆ 7. Sunroof switch assembly
- ◆◆ 8. Air outlet grilles
9. Retainers
10. Joint
- ◆◆ 11. Headlining trim
- ◆◆ 12. Headlining (front)
- ◆◆ 13. Tapping screw
- ◆◆ 14. Headlining (rear)
15. Headlining bracket

Pre-removal Operation

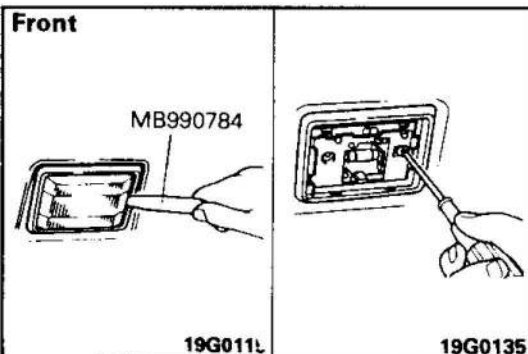
- Removal of trims. (Refer to P. 52-26.)

Post-installation Operation

- Installation of trims (Refer to P. 52-26.)

NOTE

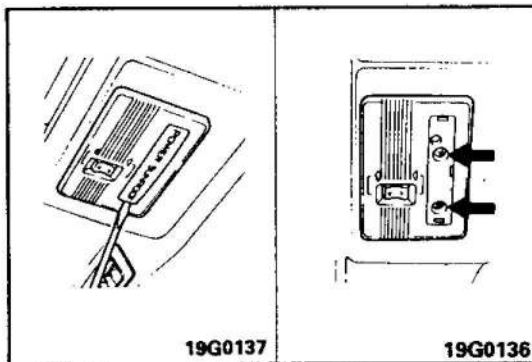
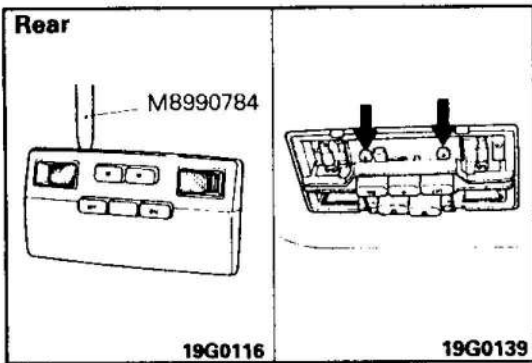
- (1) Reverse the removal procedures to reinstall.
- (2) ◆◆ : Refer to "Service Points of Removal".



SERVICE POINTS OF REMOVAL

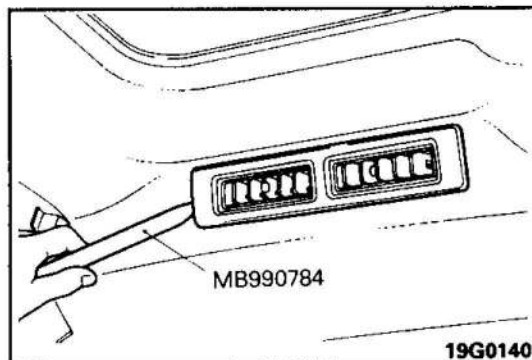
5. REMOVAL OF ROOM LAMP ASSEMBLY (FRONT)/6. ROOM LAMP ASSEMBLY (REAR)

- (1) Remove the lens with the special tool.
- (2) Remove the room lamp mounting screws and connector. Remove the room lamp assembly.



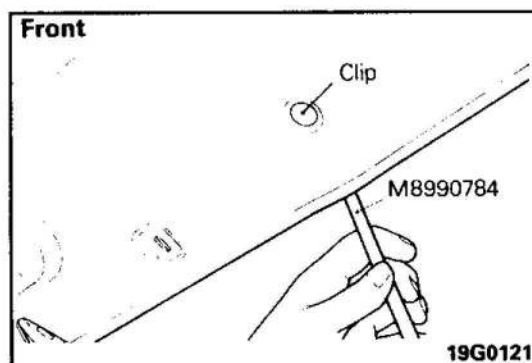
7. REMOVAL OF SUNROOF SWITCH ASSEMBLY

- (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.



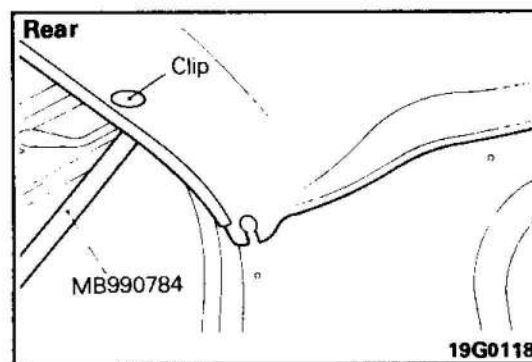
8. REMOVAL OF AIR OUTLET GRILLES

Remove the air outlet grille.



12. REMOVAL OF HEADLINING (FRONT)/14. HEADLINING (REAR)

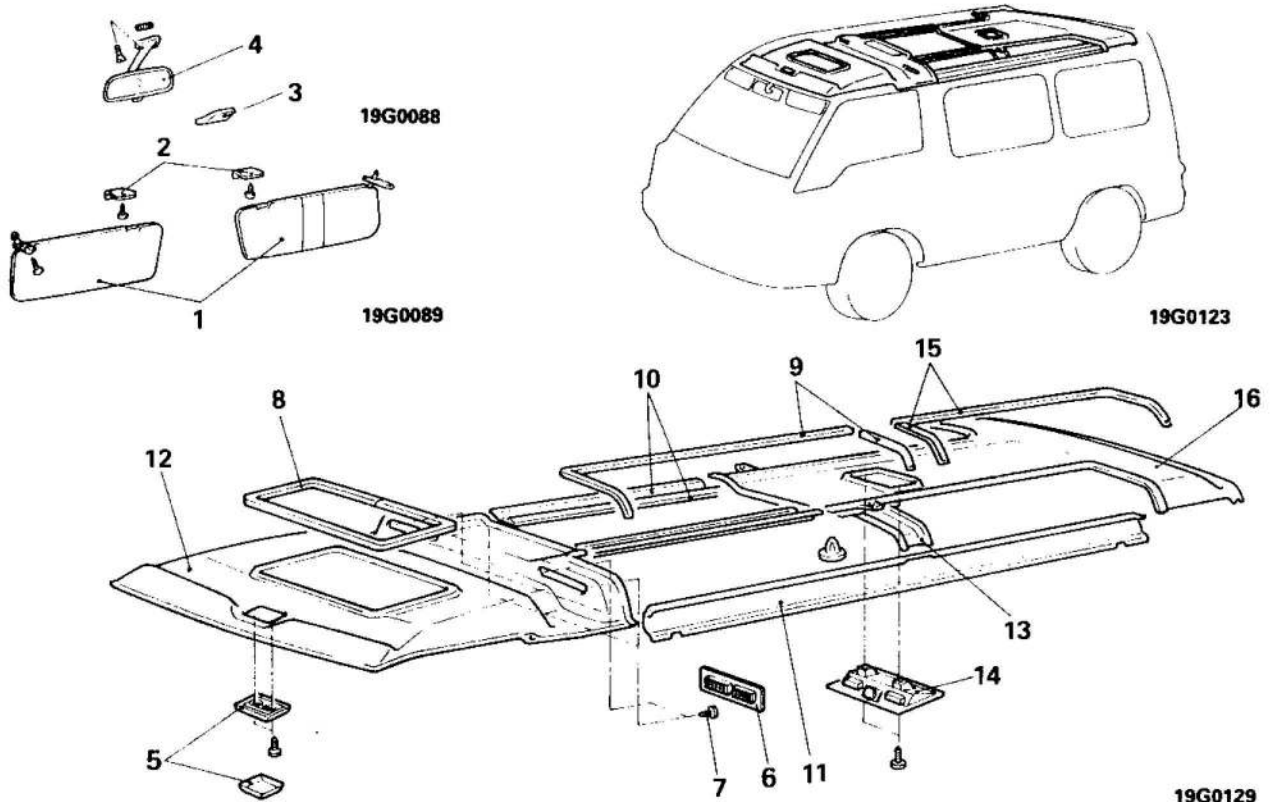
Remove the headlining with the special tool.



HEADLINING (VEHICLES WITH CRYSTAL LIGHT ROOF)

REMOVAL AND INSTALLATION

E521A-E

**Removal steps**

1. Sun visor
2. Sun visor holder
3. Cover
4. Inside rear view mirror
- ◆◆ 5. Room lamp assembly
- ◆◆ 6. Air outlet grille
7. Duct mounting screw
8. Headlining trim
9. Opening trim
10. Headlining (centre)
11. Headlining (side)
- ◆◆ 12. Headlining (front)
13. Roof frame trim
- ◆◆ 14. Spot lamp assembly
15. Opening trim
- ◆◆ 16. Headlining (rear)

Pre-removal Operation

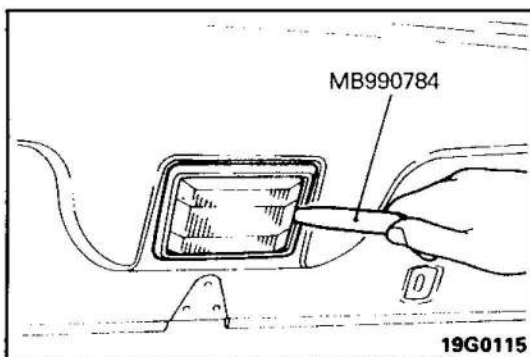
- Removal of trims.
(Refer to P. 52-26.)
- Removal of overhead console
(Refer to GROUP 54-
Lighting.)

Post-installation Operation

- Installation of trims
(Refer to P. 52-26.)
- Installation of overhead console
(Refer to GROUP 54-
Lighting.)

NOTE

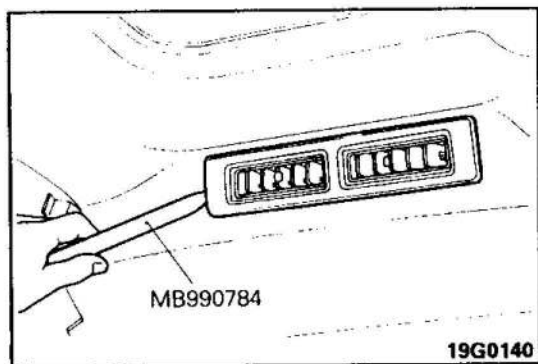
- (1) Reverse the removal procedures to reinstall.
- (2) ◆◆ : Refer to "Service Points of Removal".

**SERVICE POINTS OF REMOVAL**

E521BCG

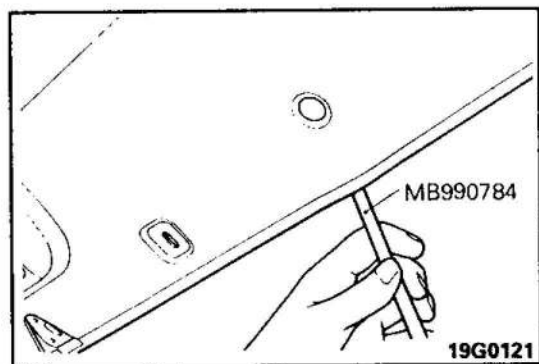
5. REMOVAL OF ROOM LAMP ASSEMBLY

Use the special tool to remove the lens.



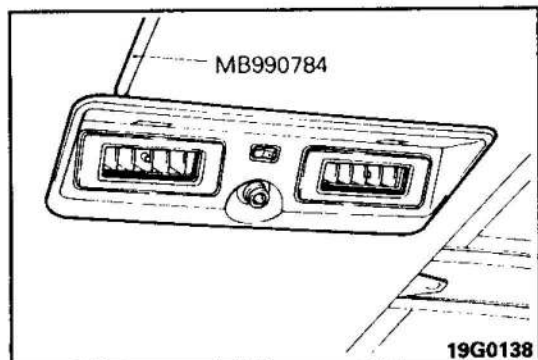
6. REMOVAL OF AIR OUTLET GRILLE

Use the special tool to remove the air outlet grille.



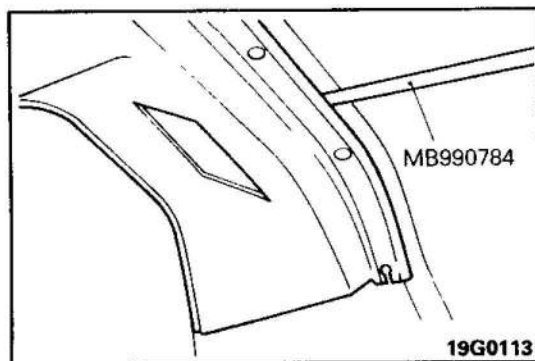
12. REMOVAL OF HEADLINING (FRONT)

Use the special tool to remove the headlining (front).



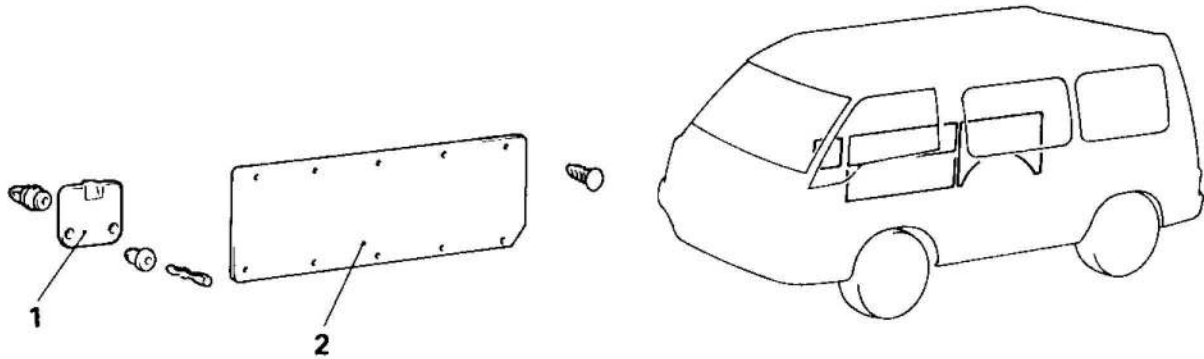
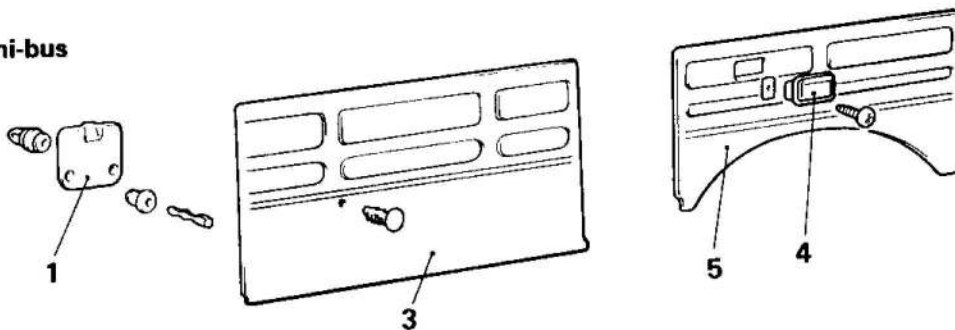
14. REMOVAL OF SPOT LAMP ASSEMBLY

- (1) Use a small flat tipped screwdriver etc. to remove the cover and the installation screws.
- (2) Use a special tool to remove the spot lamp assembly then remove the connector.



16. REMOVAL OF HEADLINING (REAR)

- (1) Remove the headlining (rear) installation screw.
- (2) Use the special tool to remove the headlining (rear).

TRIM (PARTIAL TRIM TYPE)**REMOVAL AND INSTALLATION****Van****Mini-bus**

19G0260

Removal steps

- ◆◆ 1. Retractor cover
- ◆◆ 2. Rear side trim
(vehicles for Australia)
- ◆◆ 3. Rear side trim
- ◆◆ 4. Ashtray
- ◆◆ 5. Quarter trim

NOTE

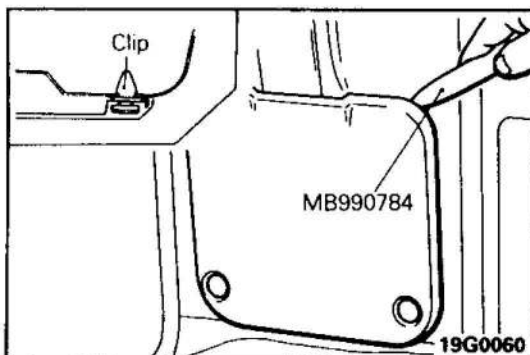
- (1) Reverse the removal procedures to reinstall.
 (2) ◆◆ : Refer to "Service Points of Removal".

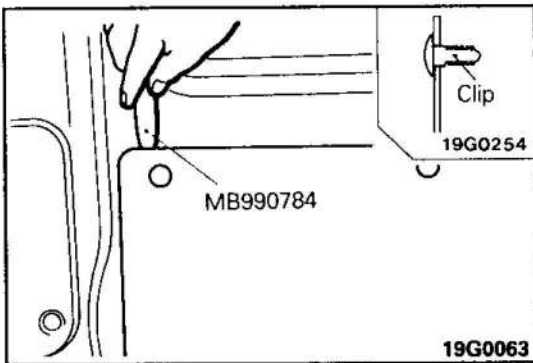
SERVICE POINTS OF REMOVAL

E52JBCA

1. REMOVAL OF RETRACTOR COVER

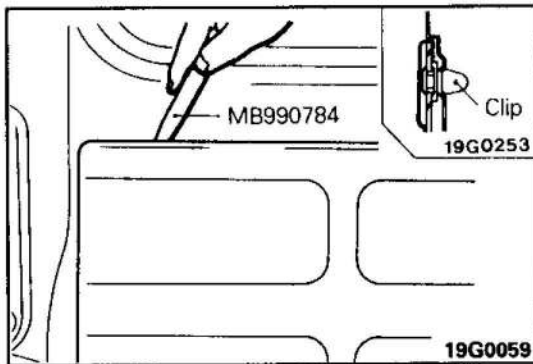
Remove the retractor cover with the special tool.





2. REMOVAL OF REAR SIDE TRIM

Remove the rear side trim with the special tool.



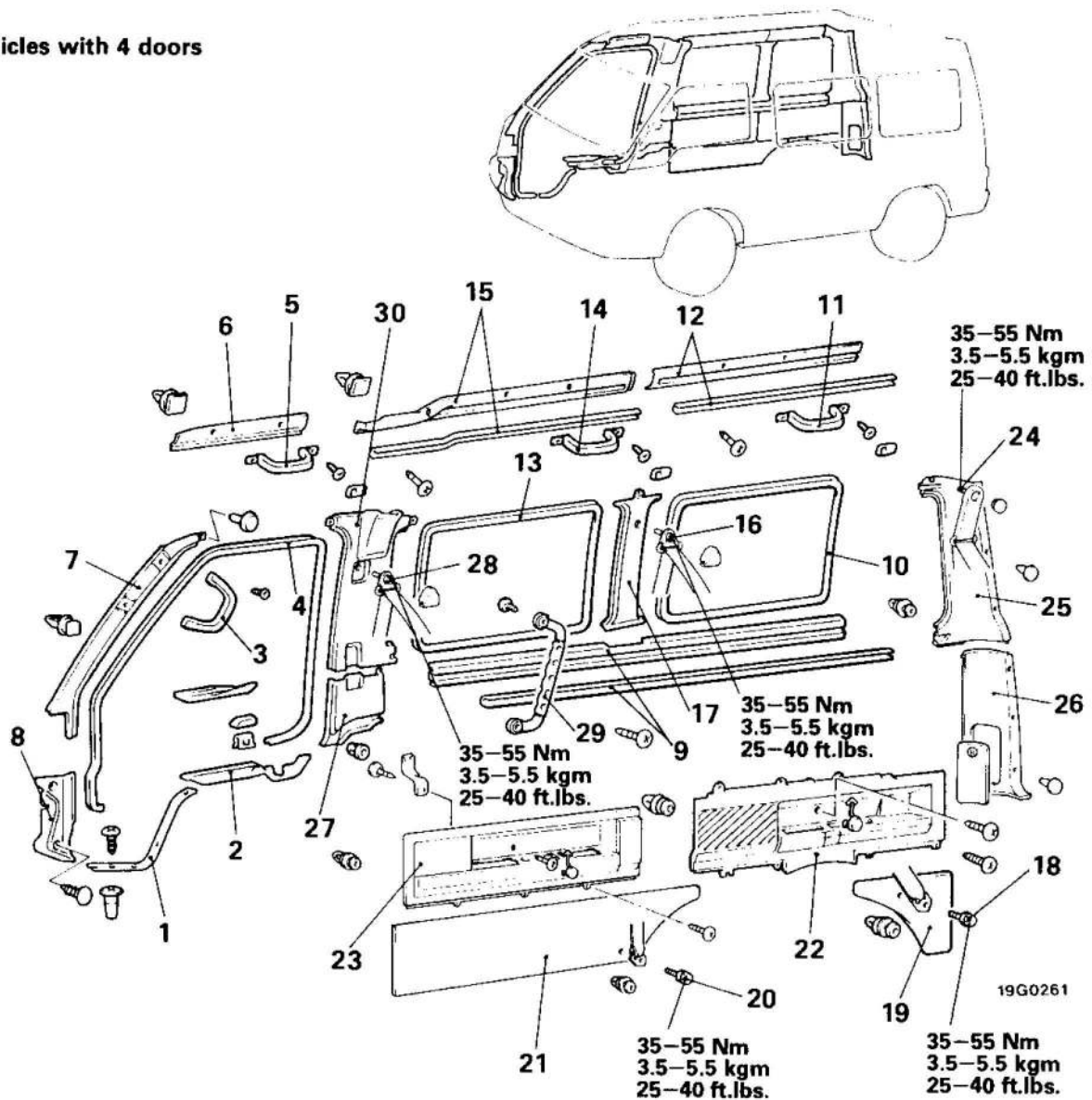
3. REMOVAL OF REAR SIDE TRIM/5. QUARTER TRIM

Remove the rear side trim and quarter trim with the special tool.

TRIM (FULL TRIM TYPE)

REMOVAL AND INSTALLATION

Vehicles with 4 doors



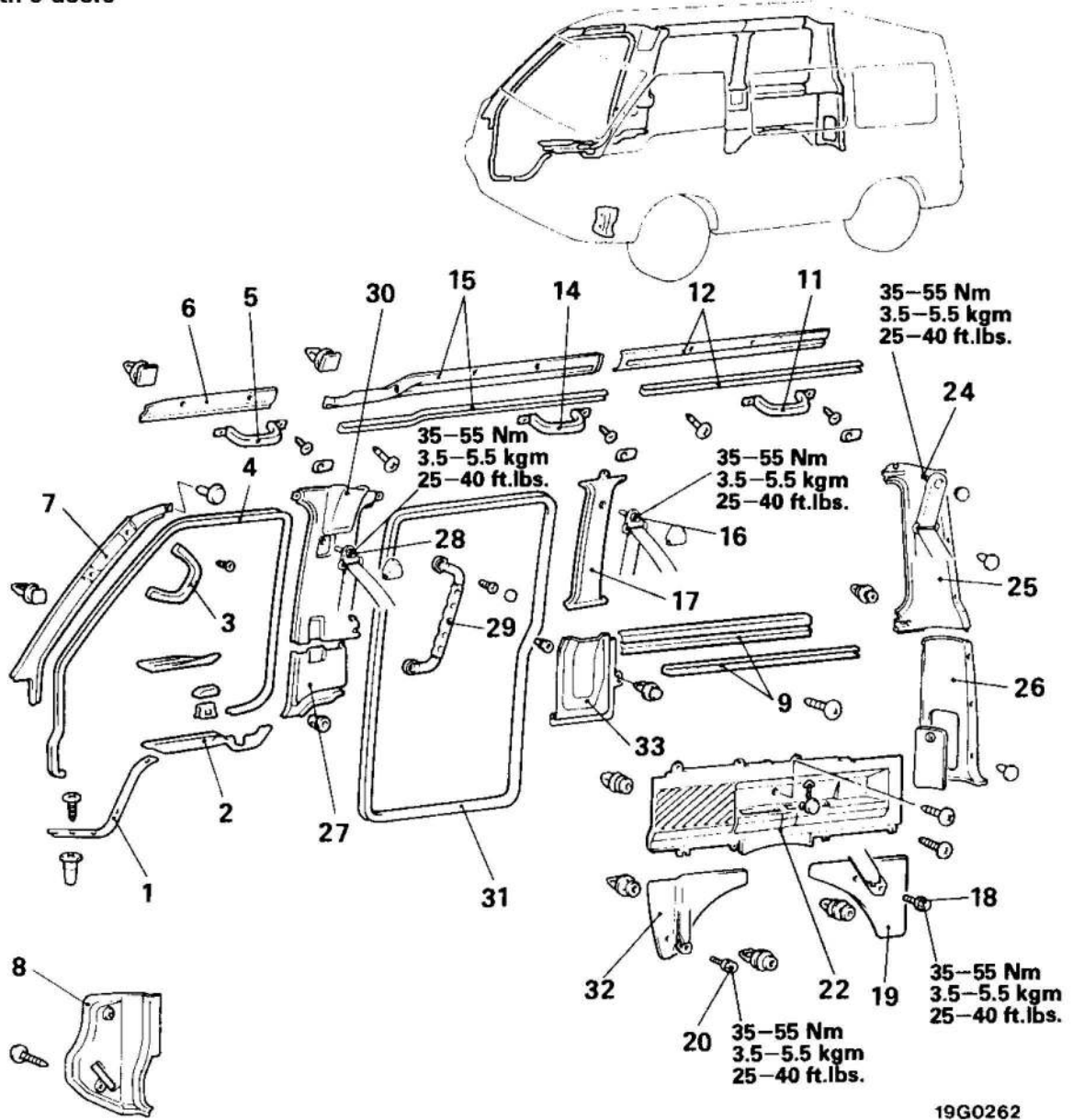
Removal steps

- | | |
|---|--|
| 1. Front scuff plate | ◆◆ 19. Quarter trim (lower, rear) |
| 2. Extension scuff plate | ◆◆ 20. Second seat belt installation bolt |
| 3. Get on and off grip | ◆◆ 21. Rear side trim (lower) |
| 4. Opening trim (front) | ◆◆ 22. Quarter trim (upper) |
| ◆◆ 5. Assist grip | ◆◆ 23. Rear side trim (upper) |
| ◆◆◆◆ 6. Roof side trim (front) | ◆◆◆◆ 24. Third seat belt installation bolt |
| ◆◆ 7. Front pillar trim | ◆◆◆◆ 25. Gate pillar trim (upper) |
| ◆◆ 8. Cowl side trim | ◆◆ 26. Gate pillar trim (lower) |
| ◆◆ 9. Beltline trim | ◆◆ 27. Center pillar trim (lower) |
| ◆◆ 10. Opening trim (quarter) | ◆◆ 28. Front seat belt installation bolt |
| ◆◆ 11. Assist grip | ◆◆ 29. Rear door grip (4WD) |
| ◆◆ 12. Roof side trim (quarter) | ◆◆ 30. Center pillar trim (upper) |
| ◆◆ 13. Opening trim (rear) | |
| ◆◆ 14. Assist grip | |
| ◆◆ 15. Roof side trim (rear) | |
| ◆◆ 16. Second seat belt installation bolt | |
| ◆◆ 17. Rear pillar trim (upper) | |
| ◆◆ 18. Third seat belt installation bolt | |

NOTE

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

Vehicles with 5 doors



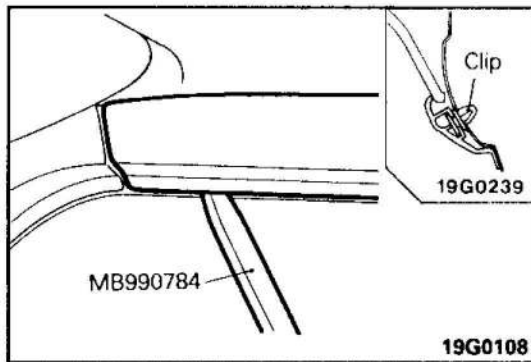
Removal steps

- 1. Front scuff plate
- 2. Extension scuff plate
- 3. Get on and off grip
- 4. Front door opening trim
- 5. Assist grip
- ◆◆ 6. Roof side trim (front)
- ◆◆◆◆ 7. Front pillar trim
- ◆◆ 8. Cowl side trim
- 31. Rear door opening trim
- 14. Assist grip
- ◆◆ 15. Roof side trim (rear)
- ◆◆ 27. Center pillar trim (lower)
- ◆◆ 28. Front seat belt installation bolt
- ◆◆ 29. Rear door grip (4WD)
- ◆◆ 30. Center pillar trim (upper)
- ◆◆ 11. Assist grip
- ◆◆ 12. Roof side trim (quarter)

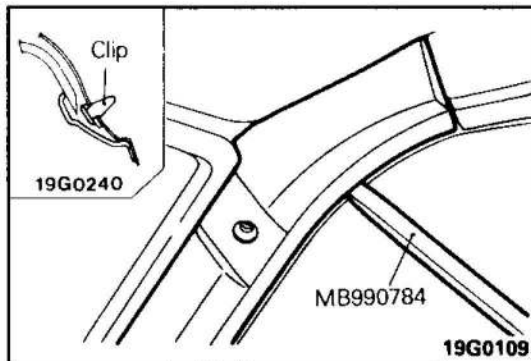
- ◆◆ 9. Beltline trim
- ◆◆ 18. Third seat belt installation bolt
- ◆◆ 19. Quarter trim (lower, rear)
- ◆◆ 20. Second seat belt installation bolt
- ◆◆ 32. Quarter trim (lower, front)
- ◆◆ 22. Quarter trim (upper)
- ◆◆ 33. Rear pillar trim (lower)
- ◆◆ 16. Second seat belt installation bolt
- ◆◆ 17. Rear pillar trim (upper)
- ◆◆ 24. Third seat belt installation bolt
- ◆◆◆◆ 25. Gate pillar trim (upper)
- ◆◆ 26. Gate pillar trim (lower)

NOTE

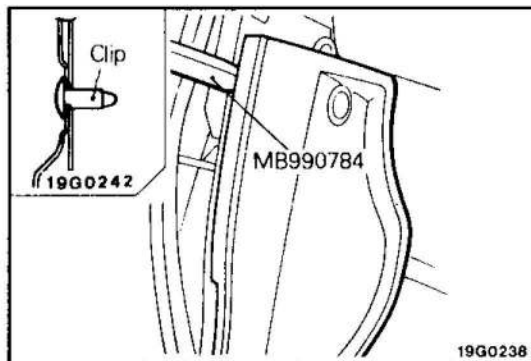
- (1) Reverse the removal procedures to reinstall.
- (2) ◆◆ : Refer to "Service Points of Removal".
- (3) ◆◆◆◆ : Refer to "Service Points of Installation".

**SERVICE POINTS OF REMOVAL****6. REMOVAL OF ROOF SIDE TRIM (FRONT)**

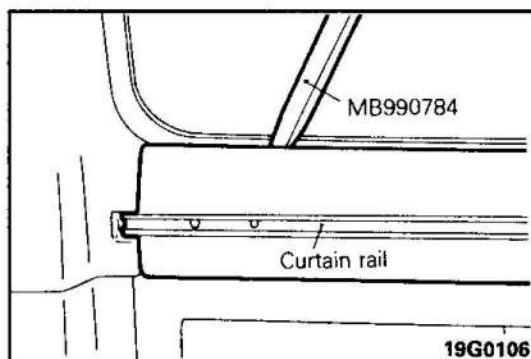
Remove the roof side trim (front) with the special tool.

**7. REMOVAL OF FRONT PILLAR TRIM**

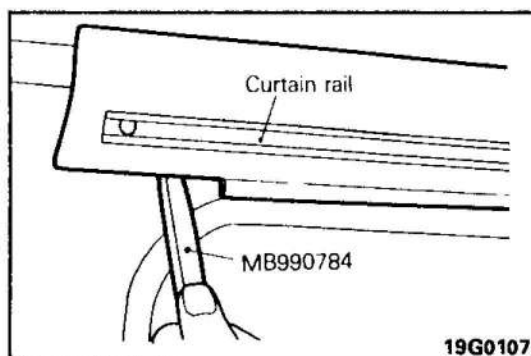
Remove the front pillar trim with special tool.

**8. REMOVAL OF COWL SIDE TRIM**

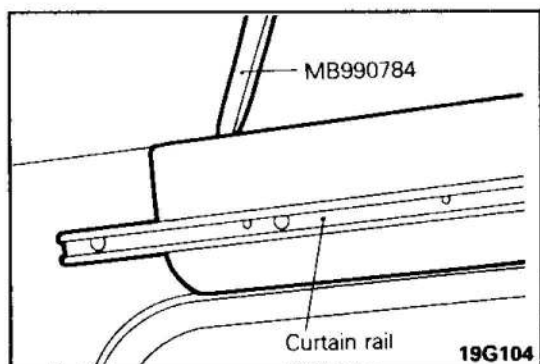
Using the special tool, remove the cowl side trim.

**9. REMOVAL OF BELTLINE TRIM**

- (1) Remove the curtain rail mounting screws.
- (2) Remove the beltline trim with special tool.

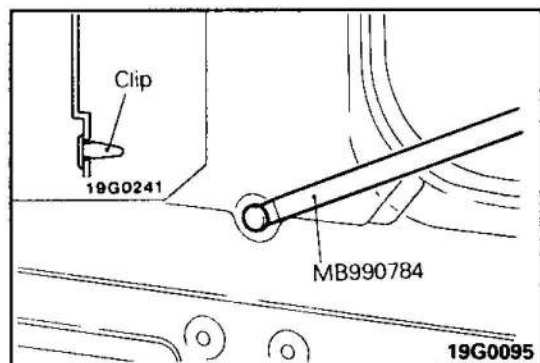
**12. REMOVAL OF ROOF SIDE TRIM (QUARTER)**

- (1) Remove the curtain rail mounting screws.
- (2) Remove the roof side trim (quarter) with special tool.



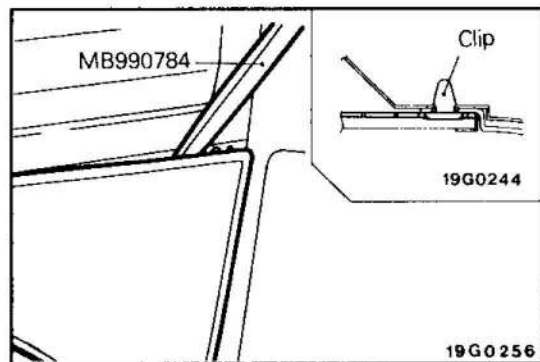
15. REMOVAL OF ROOF SIDE TRIM (REAR)

- (1) Remove the curtain rail mounting screws.
- (2) Remove the roof side trim (rear) with special tool.



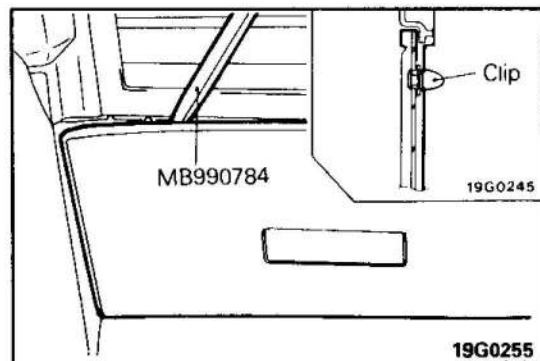
17. REMOVAL OF REAR PILLAR TRIM (UPPER)

Remove the rear pillar trim (upper) with the special tool.



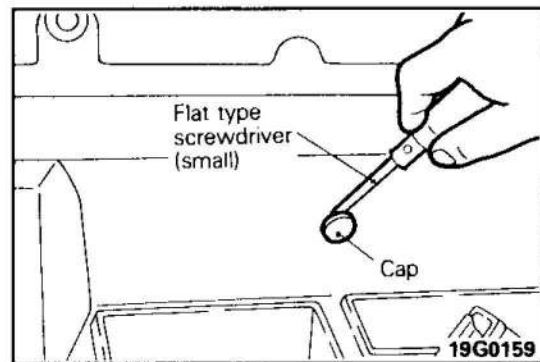
19. REMOVAL OF QUARTER TRIM (LOWER, REAR)

- (1) Remove the third seat belt buckle stalk.
- (2) Remove the quarter trim (lower, rear) with the special tool.



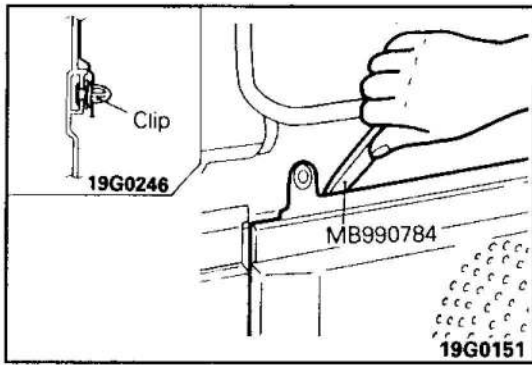
21. REMOVAL OF REAR SIDE TRIM (LOWER)

Remove the rear side trim (lower) with special tool.

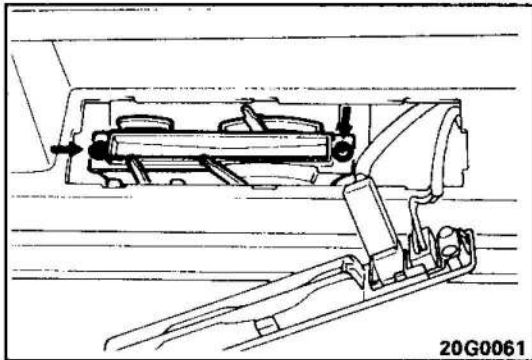


22. REMOVAL OF QUARTER TRIM (UPPER)

- (1) Remove the cap with a flat type screwdriver (small) or similar tool to remove the mounting screw. Remove the screws at lower two locations.



(2) Remove the quarter trim (upper) with special tool.

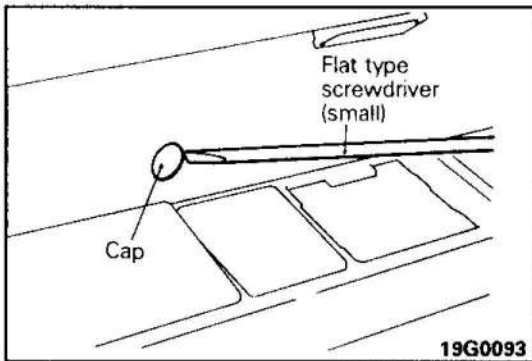


23. REMOVAL OF REAR SIDE TRIM (UPPER)

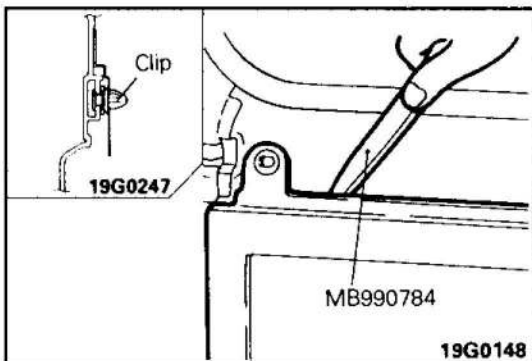
- (1) Remove the heater control lever knob, rear heater control panel and heater main switch.
- (2) Remove the rear heater control assembly mounting screws.
Disconnect the connection of rear heater control assembly and rear side trim support.

NOTE

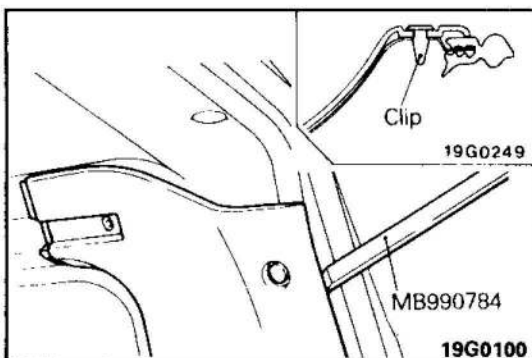
Leave the rear heater control assembly at body side.



- (3) Remove the cap with a flat type screwdriver (small) or similar tool to remove the mounting screw.
Remove the screws at lower three locations.

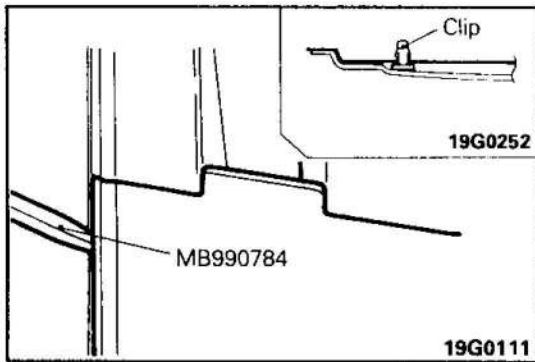


- (4) Remove the rear side trim (upper) with the special tool.



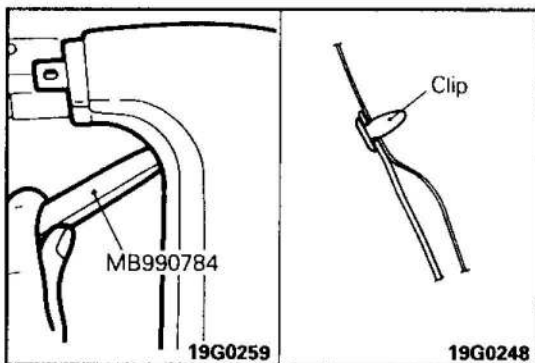
25. REMOVAL OF GATE PILLAR TRIM (UPPER)/26. GATE PILLAR TRIM (LOWER)

Remove the gate pillar trims (upper and lower) with the special tool.



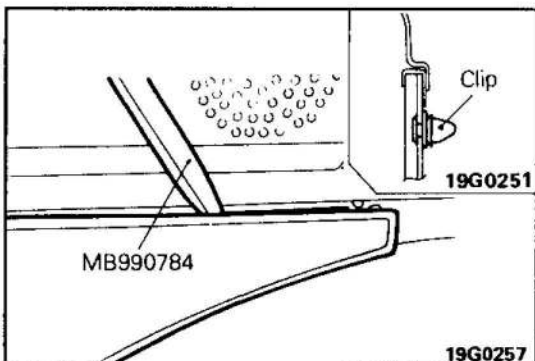
27. REMOVAL OF CENTER PILLAR TRIM (LOWER)

Remove the center pillar trim (lower) with the special tool.



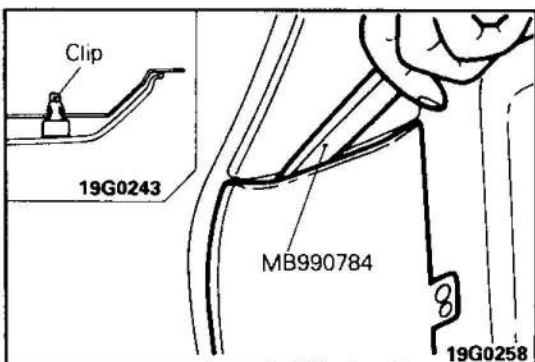
30. REMOVAL OF CENTER PILLAR TRIM (UPPER)

Remove the center pillar trim (upper) with the special tool.



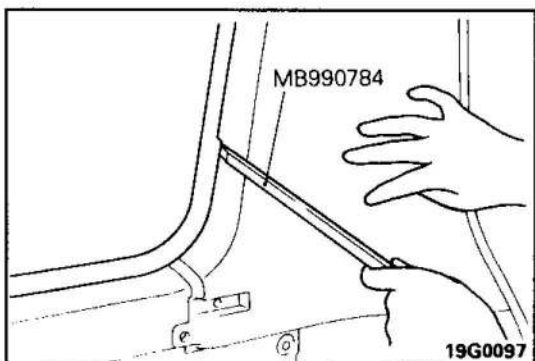
32. REMOVAL OF QUARTER TRIM (LOWER, FRONT)

Remove the quarter trim (lower, front) with the special tool.



33. REMOVAL OF REAR PILLAR TRIM (LOWER)

Remove the rear pillar trim (lower) with the special tool.

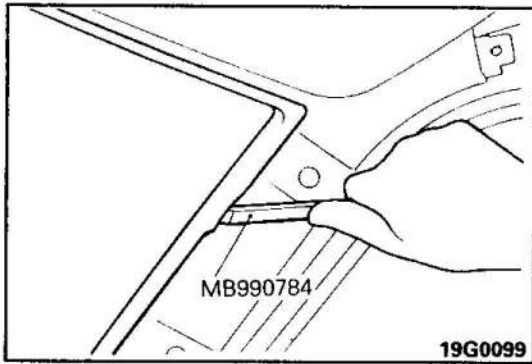


SERVICE POINTS OF INSTALLATION

E52JEAA

25. INSTALLATION OF GATE PILLAR TRIM (UPPER)

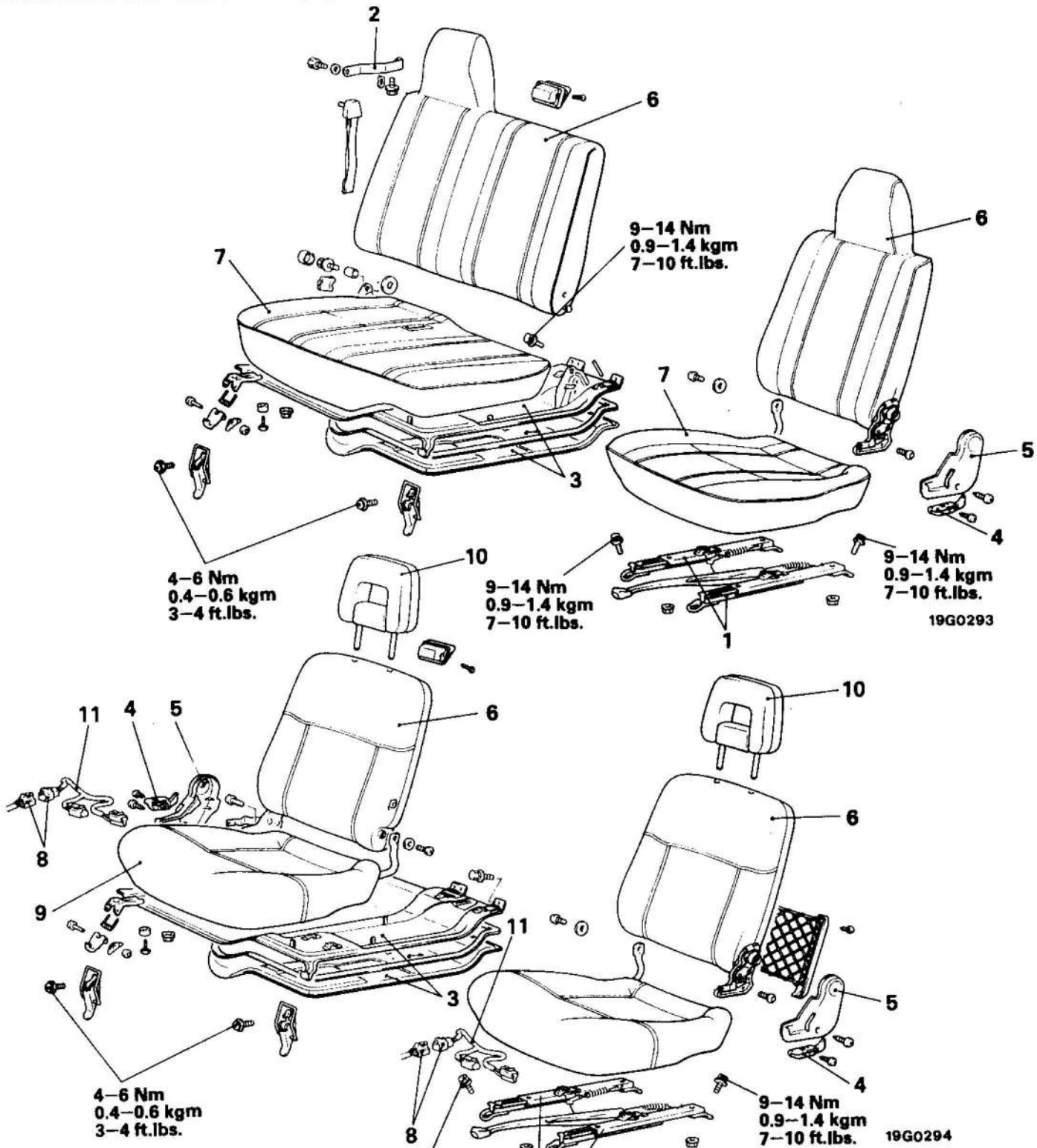
Pry the quarter window glass weatherstrip edge with the special tool to install the gate pillar trim (upper).

**7. INSTALLATION OF FRONT PILLAR TRIM**

Pry the front windshield weatherstrip edge with the special tool to install the front pillar trim.

FRONT SEAT

REMOVAL AND INSTALLATION



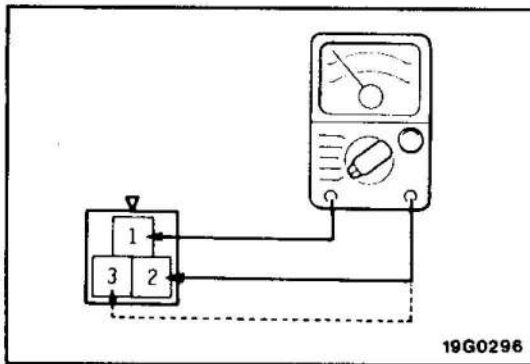
Removal steps

1. Seat adjuster
2. Link
3. Front seat pan assembly
4. Reclining lever knob
5. Adjuster cover
6. Front seat back
7. Front seat cushion

8. Front floor harness and heated seat connector connection
9. Front seat cushion (heated seat)
10. Headrest
11. Heated seat wiring harness

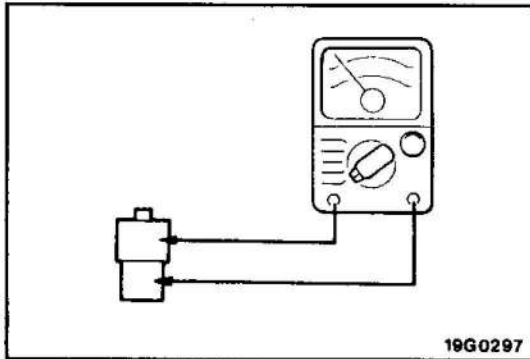
NOTE

Reverse the removal procedures to reinstall.

**INSPECTION****SEAT CUSHION HEATER**

Measure the resistance between terminals 1 and 2 and between 1 and 3.

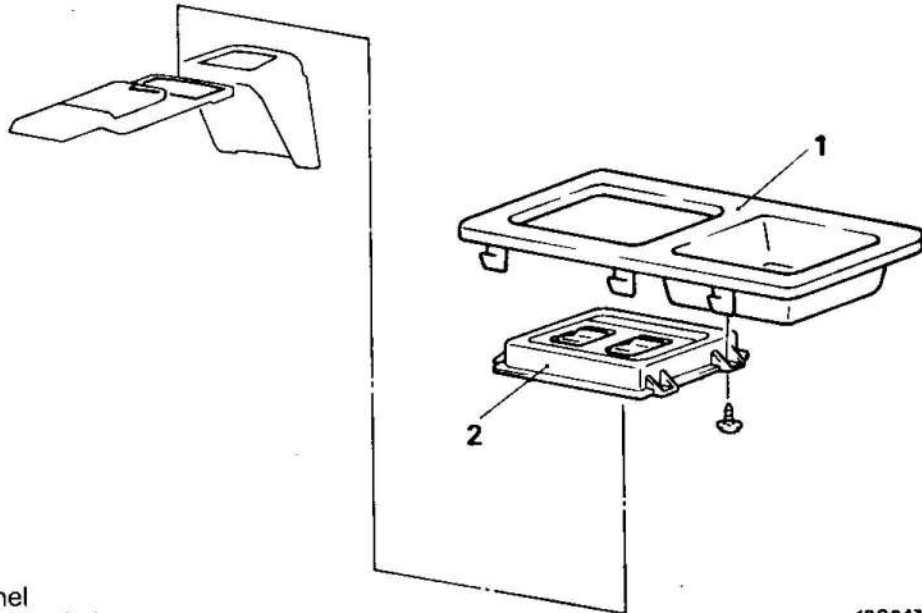
Standard value: Between terminals 1 and 2 8 Ω
Between terminals 1 and 3 0 Ω

**SEATBACK HEATER**

Measure the resistance between terminals.

Standard value: Between terminals 8 Ω

HEATED SEAT SWITCH REMOVAL AND INSTALLATION



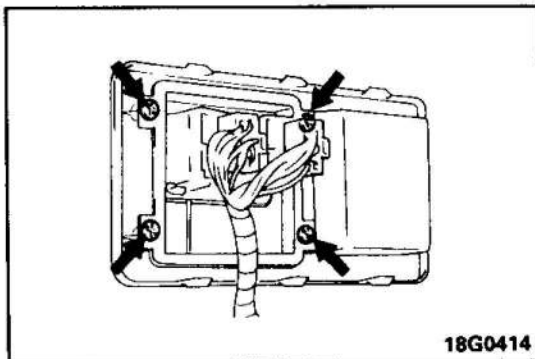
19G0476

Removal steps

- 1. Switch panel
- ◆◆ 2. Heated seat switch

NOTE

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

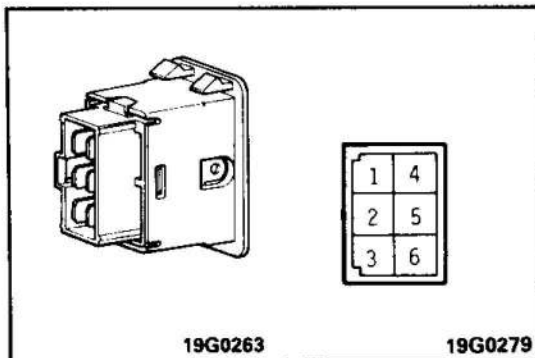


18G0414

SERVICE POINTS OF REMOVAL

2. REMOVAL OF HEATED SEAT SWITCH

After removing the center console switch panel, remove the heated switch mounting screws on back of switch panel. Remove the heated switch from the switch panel.



19G0263

19G0279

INSPECTION

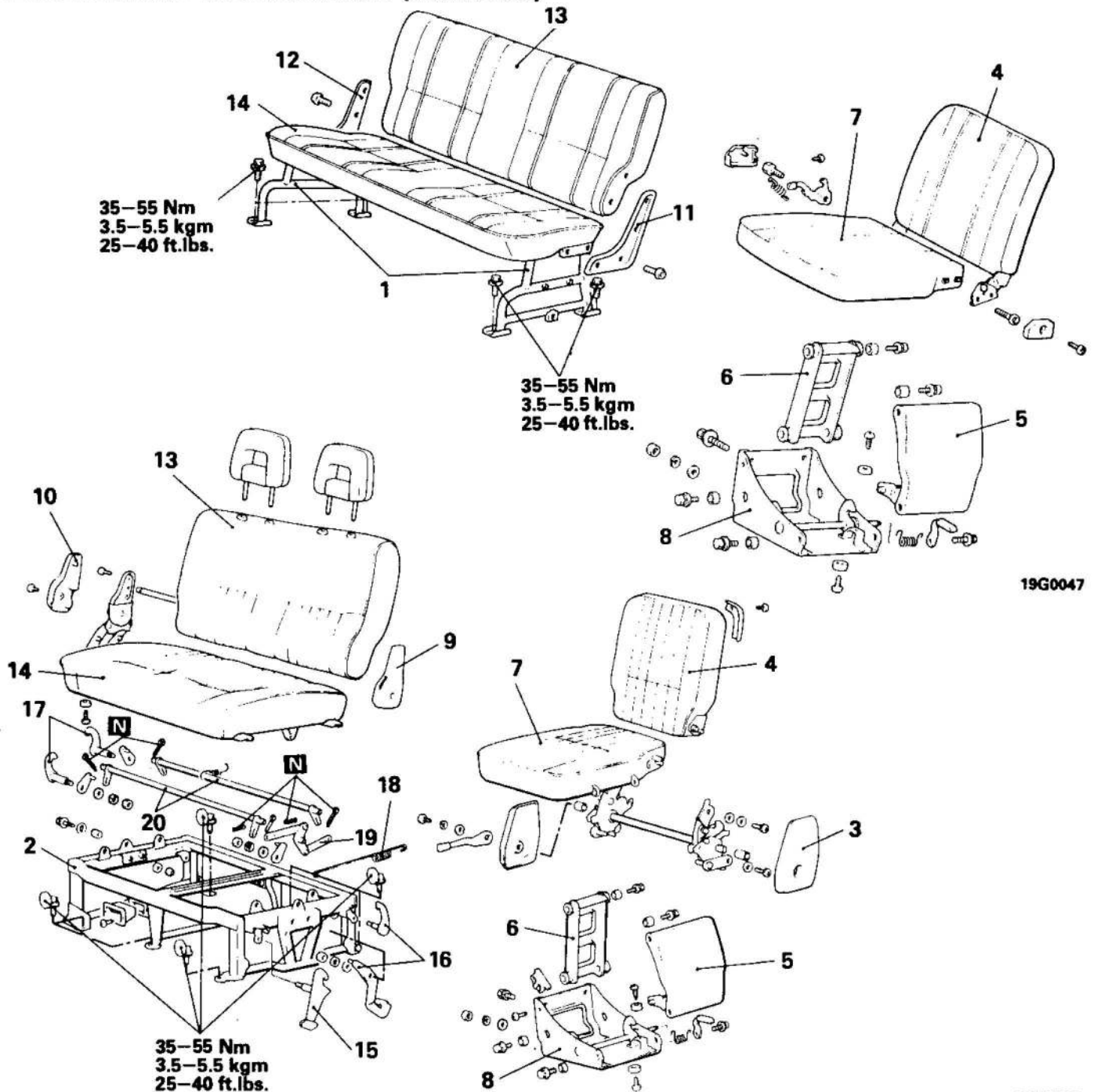
HEATED SEAT SWITCH

Operate the switch to check continuity between terminals.

Terminal	2	3	5	4
Switch position				
HI	○—○		○—○	
OFF				
LO	○—○		○—○	

NOTE

○—○ indicates there is continuity between the terminals.

SECOND SEAT (BENCH TYPE SEAT)**REMOVAL AND INSTALLATION (MINI-BUS)****Removal steps**

1. Floor stay
2. Floor stay assembly
3. Hinge cover
4. Jump seatback
5. Link (A)
6. Link (B)
7. Jump seat cushion
8. Support assembly
9. Reclining cover (L.H.)
10. Reclining cover (R.H.)
11. Bracket (L.H.)
12. Bracket (R.H.)

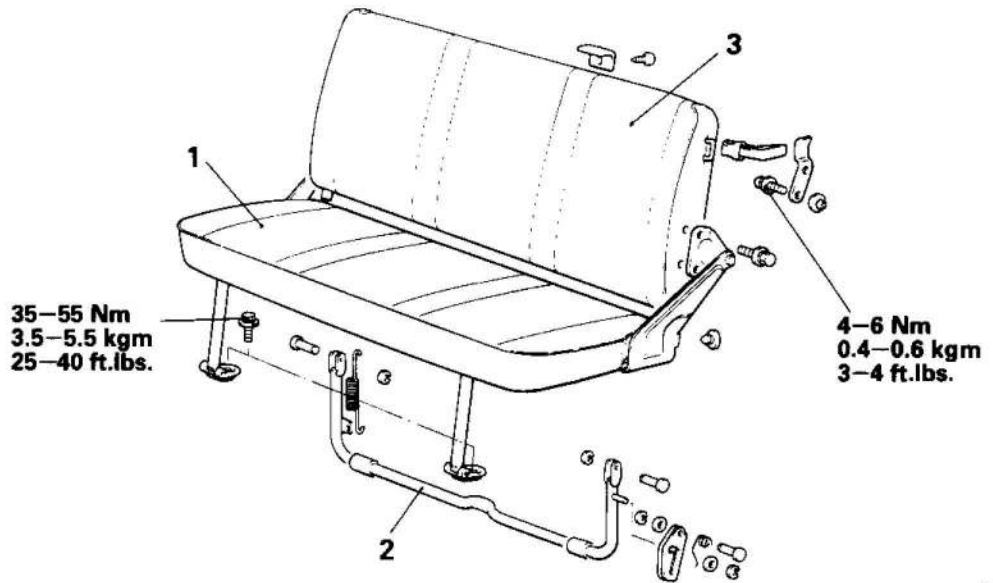
13. Second seatback
14. Second seat cushion
15. Front lever (L.H.)
16. Rear lever (L.H.)
17. Front lever (R.H.)
18. Spring
19. Link
20. Rod assembly

NOTE

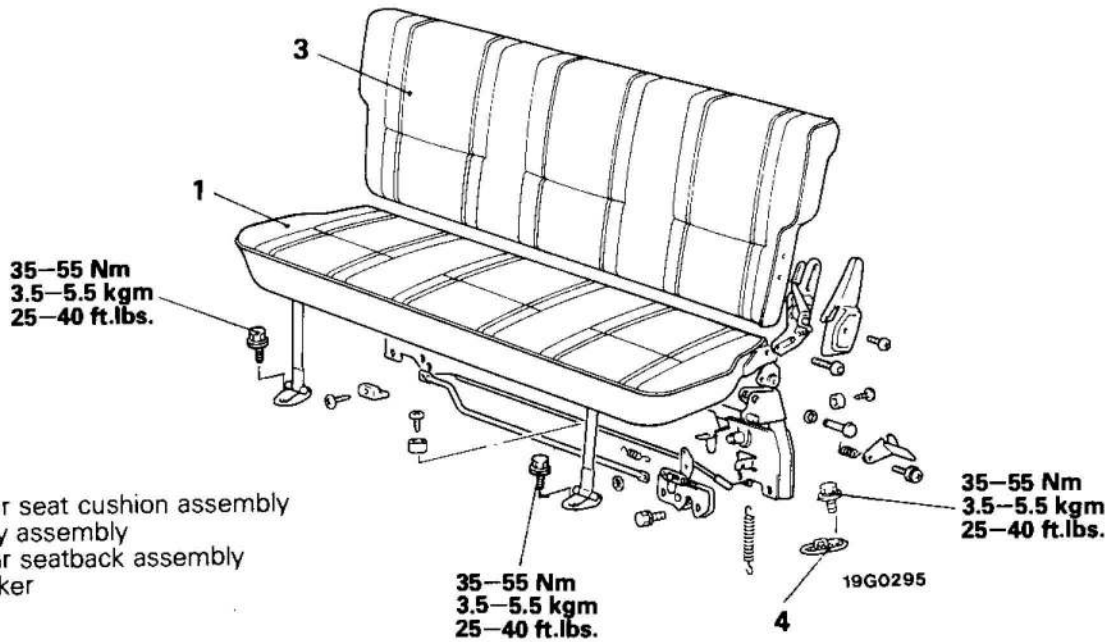
- (1) Reverse the removal procedures to reinstall.
- (2) **N** : Non-reusable parts

REMOVAL AND INSTALLATION (VAN)

ES2KA-D



19G0051



Removal steps

1. Rear seat cushion assembly
2. Stay assembly
3. Rear seatback assembly
- ◆◆ 4. Striker

NOTE

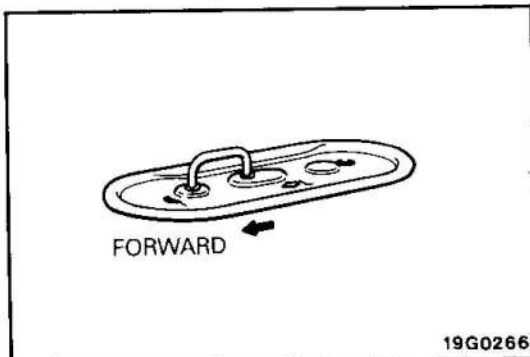
- (1) Reverse the removal procedures to reinstall.
- (2) ◆◆ : Refer to "Service Points of Installation".

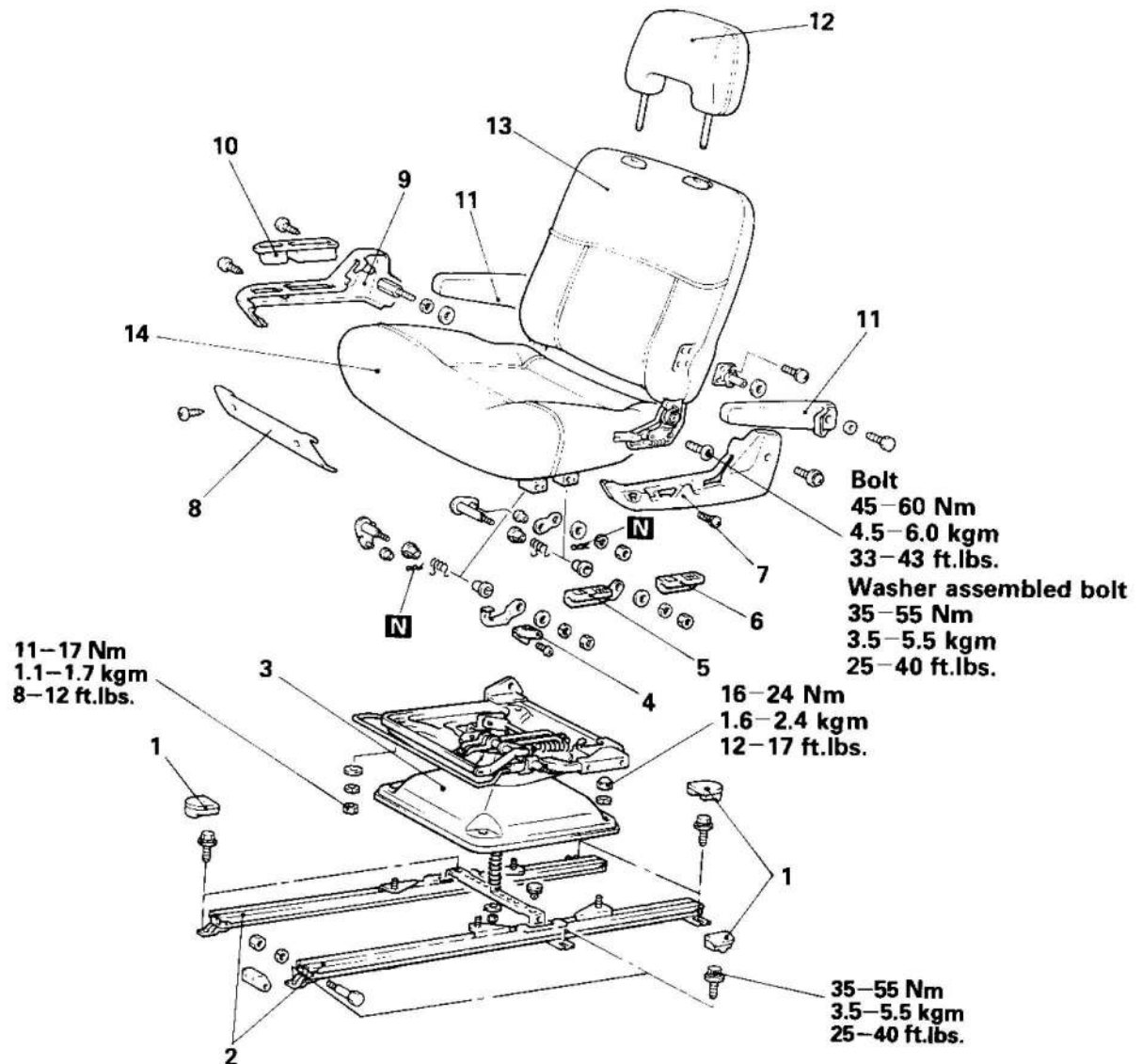
SERVICE POINTS OF INSTALLATION

ES2KDAB

4. INSTALLATION OF STRIKER

Install the striker so that the arrow mark points to vehicle front.



SECOND SEAT (SEPARATE TYPE SEAT)**REMOVAL AND INSTALLATION**

19G0048

Removal steps

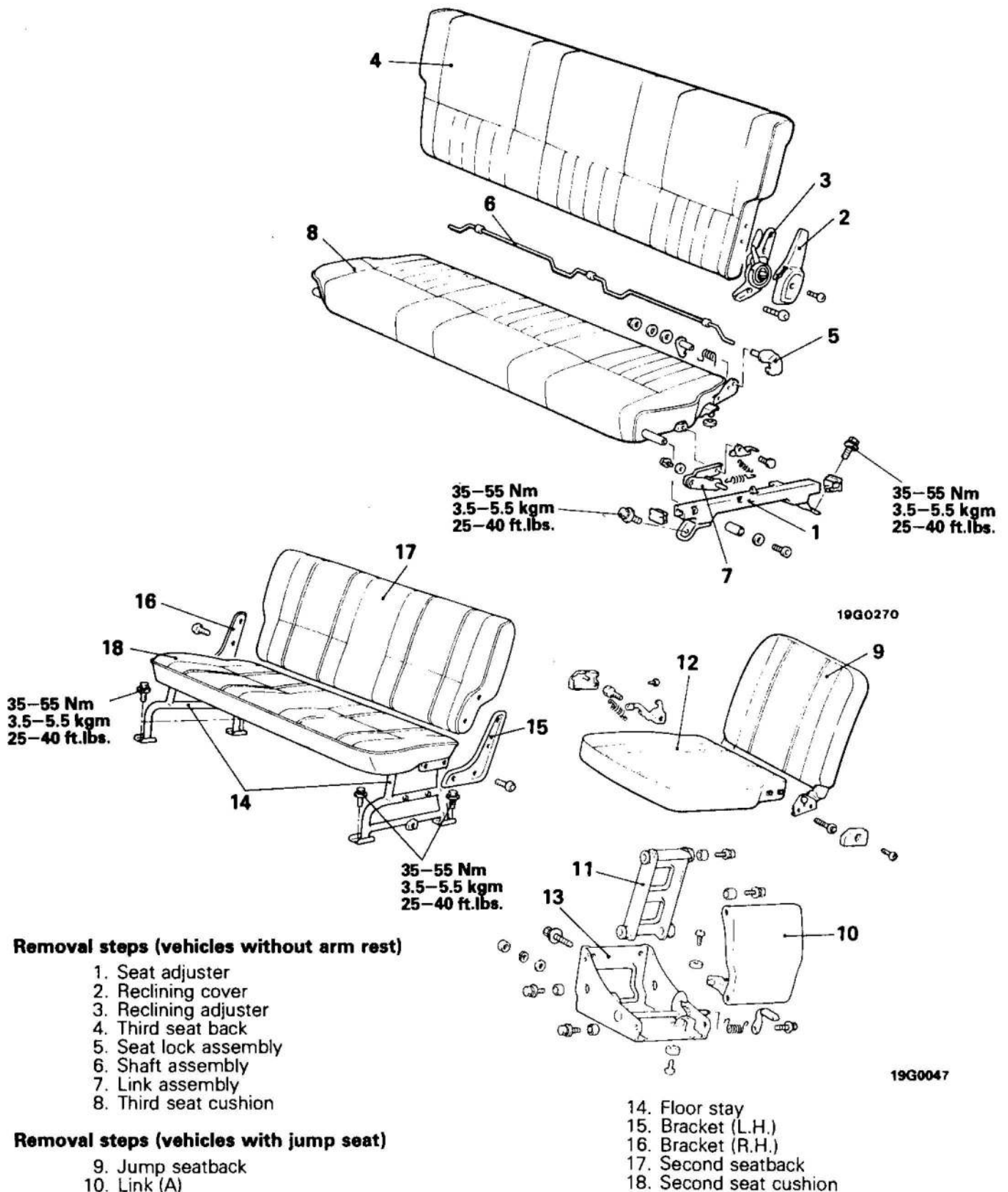
1. Seat anchor cover
2. Second seat rail assembly
3. Second seat swivel assembly
4. Seat swivel lever
5. Slide lever
6. Reclining lever
7. Shield cover (B)
8. Shield cover (C)
9. Shield cover (A)
10. Seat side box
11. Armrest
12. Headrest
13. Second seat back
14. Second seat cushion

NOTE

- (1) Reverse the disassembly procedures to reassemble.
- (2) **N** : Non-reusable parts

THIRD SEAT

REMOVAL AND INSTALLATION

**Removal steps (vehicles without arm rest)**

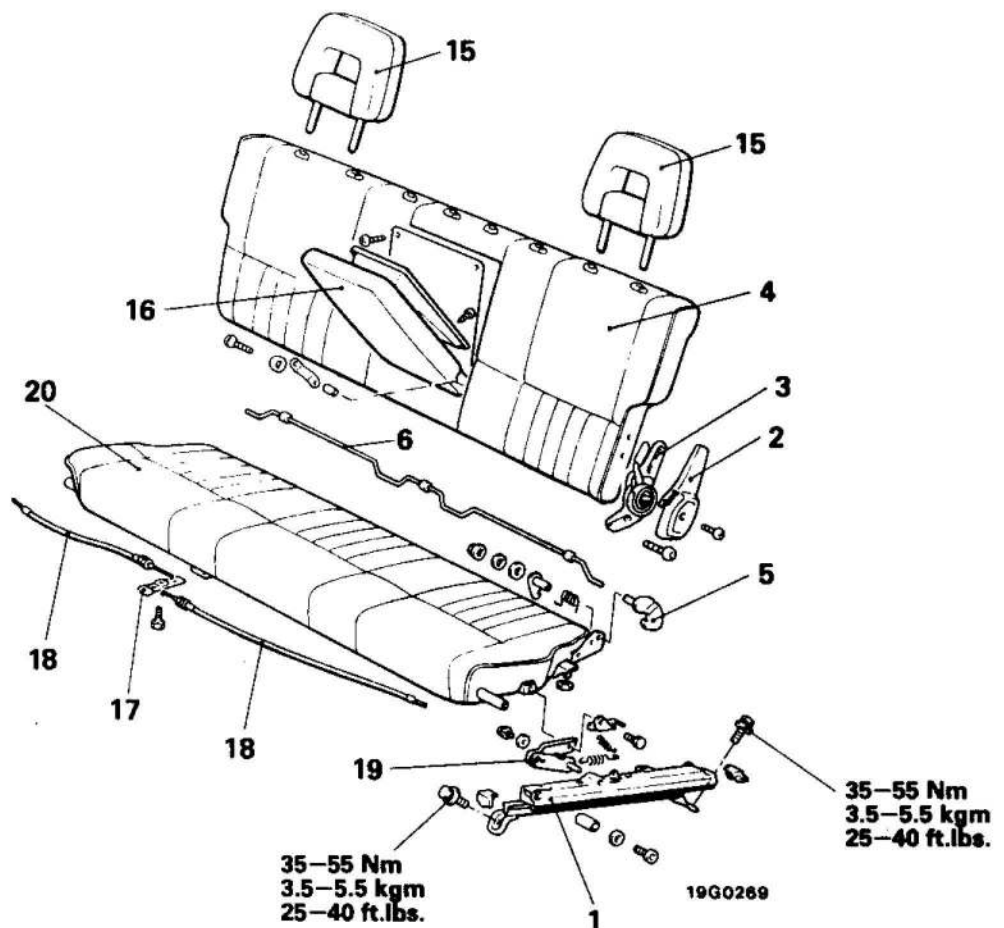
1. Seat adjuster
2. Reclining cover
3. Reclining adjuster
4. Third seat back
5. Seat lock assembly
6. Shaft assembly
7. Link assembly
8. Third seat cushion

Removal steps (vehicles with jump seat)

9. Jump seatback
10. Link (A)
11. Link (B)
12. Jump seat cushion
13. Support assembly

14. Floor stay
15. Bracket (L.H.)
16. Bracket (R.H.)
17. Second seatback
18. Second seat cushion

NOTE
Reverse the removal procedures to reinstall.

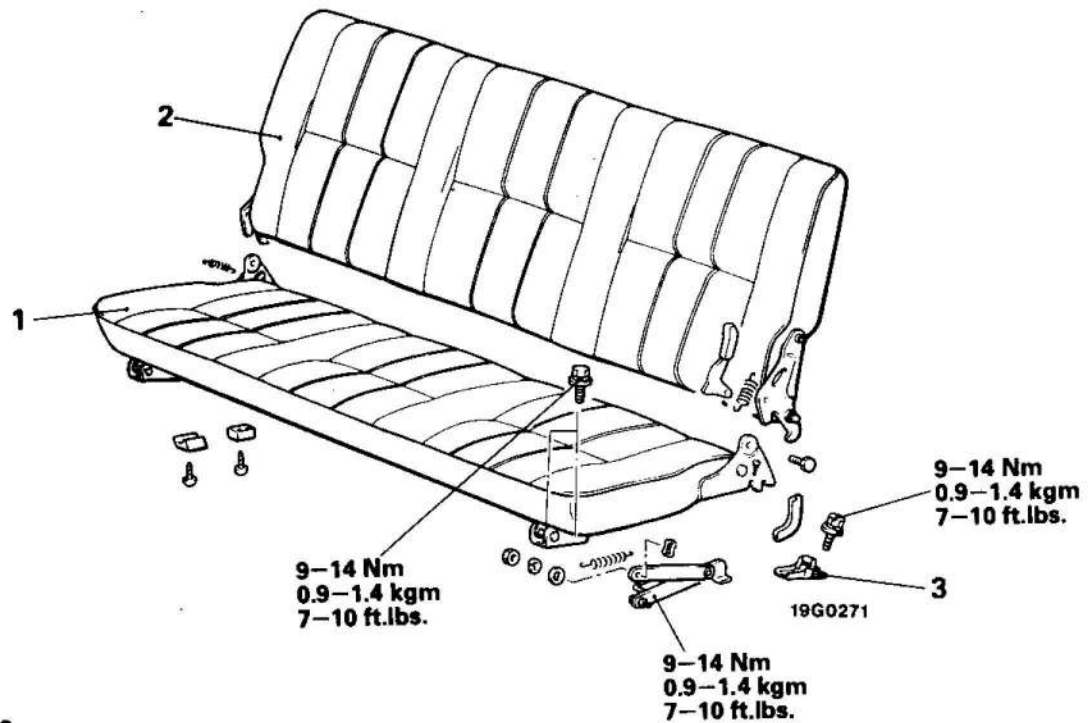


Removal steps (vehicles with arm rest)

1. Seat adjuster
2. Reclining cover
3. Reclining adjuster
4. Third seatback
15. Headrest
16. Arm rest assembly
5. Seat lock assembly
6. Shaft assembly
17. Slide lever
18. Slide cable
19. Link assembly
20. Third seat cushion

NOTE

Reverse the removal procedures to reinstall.

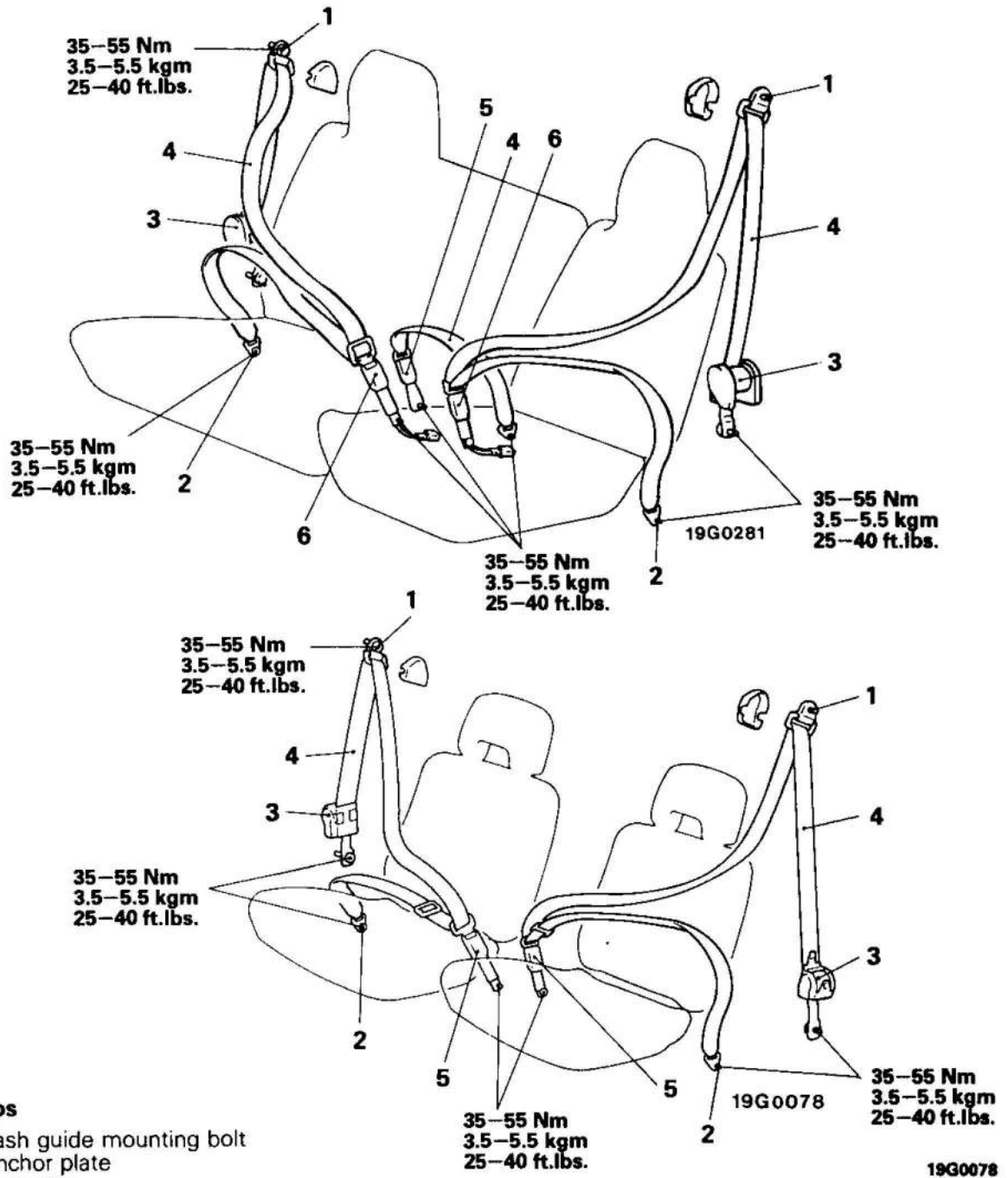
FOURTH SEAT**REMOVAL AND INSTALLATION****Removal steps**

1. Fourth seat cushion
2. Fourth seatback
3. Striker

NOTE

Reverse the removal procedures to reinstall.

**FRONT SEAT BELT
REMOVAL AND INSTALLATION**



Removal steps

- 1. Sash guide mounting bolt
- 2. Anchor plate
- ◆◆ 3. Retractor
- 4. Front seat belt
- 5. Buckle stalk
- 6. Buckle stalk (with seat belt switch)

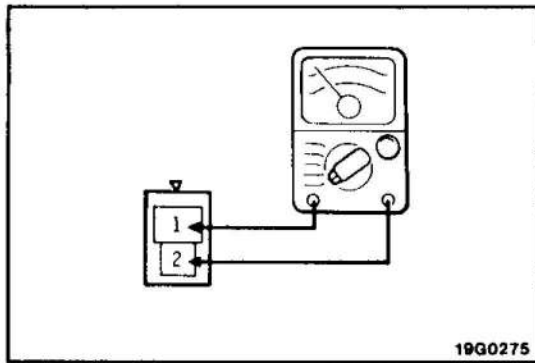
NOTE

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

SERVICE POINTS OF REMOVAL

3. REMOVAL OF RETRACTOR

Remove the retractor cover and center pillar trim (lower) with the special tool. (Refer to p. 52-24, 31.)

**INSPECTION**

E52MEAA

SEAT BELT SWITCH

- (1) Disconnect the seat belt switch connector.
- (2) Check the continuity between the terminals.

Terminal	1	2
Buckle unlock	○—○	○—○
Buckle lock		

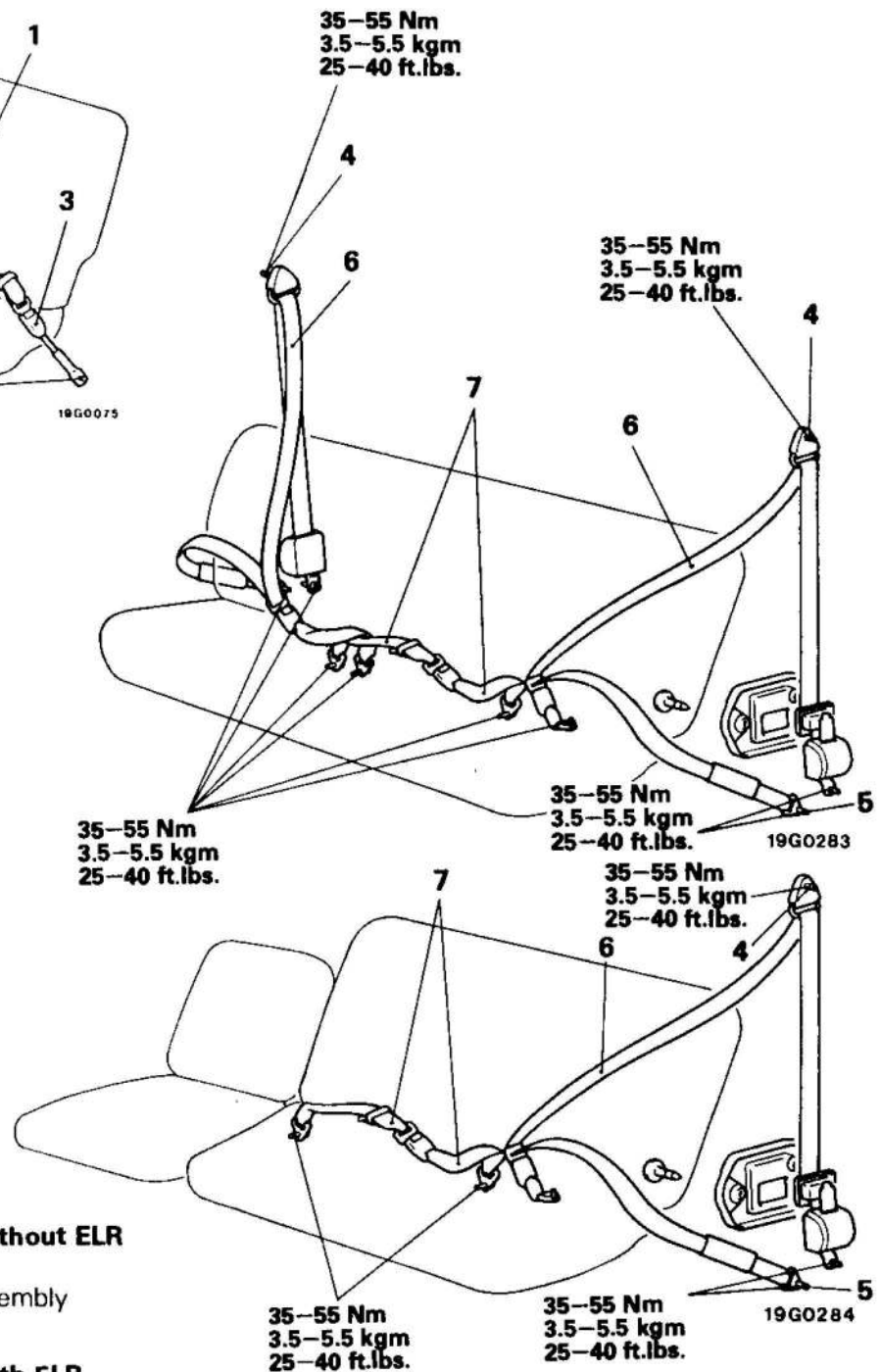
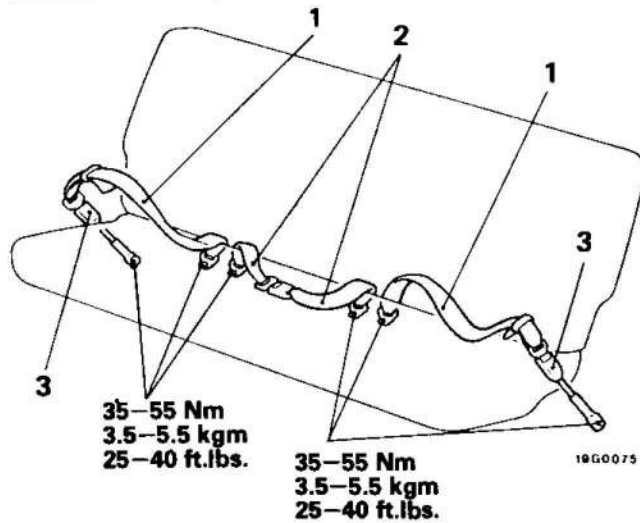
NOTE

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

SECOND SEAT BELT (BENCH TYPE SEAT)

REMOVAL AND INSTALLATION

Vehicles for Europe



Removal steps of second seat belt without ELR

1. Second seat belt assembly
2. Second seat center belt assembly
- ◆◆ 3. Buckle stalk

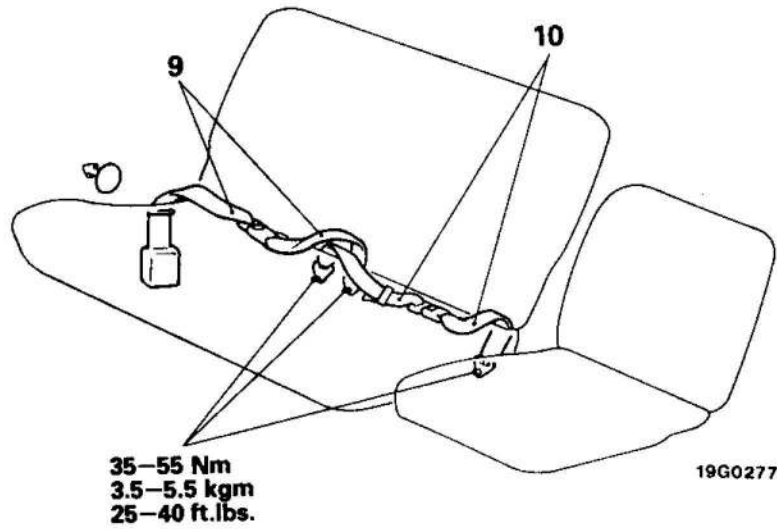
Removal steps of second seat belt with ELR

4. Sash guide mounting bolt
5. Anchor plate
- ◆◆◆◆ 6. Second seat belt assembly
7. Second seat center belt assembly

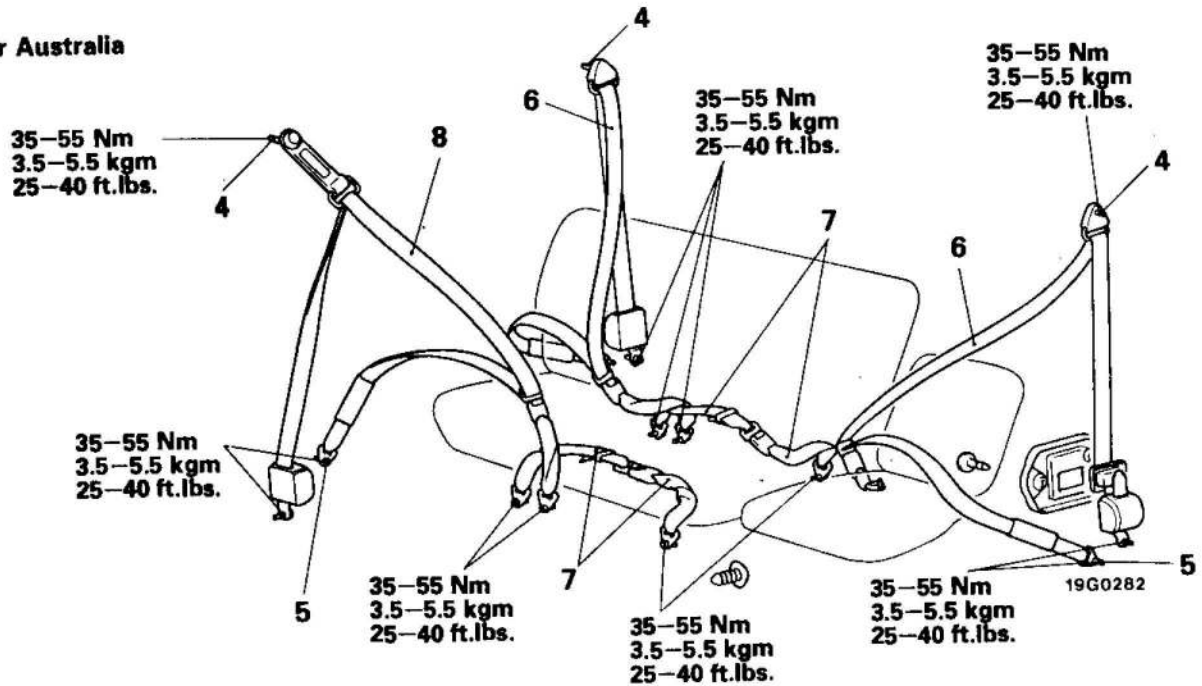
NOTE

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

Vehicles for General Export



Vehicles for Australia



Removal steps of second seat belt with ELR

4. Sash guide mounting bolt
5. Anchor plate
- ◆◆◆◆ 6. Second seat belt assembly
- ◆◆◆◆ 7. Second seat center belt assembly
- ◆◆ 8. Second seat belt assembly

Removal steps of second seat belt (shoulder beltless) with ELR

- ◆◆ 9. Second seat belt assembly
10. Second seat center belt assembly

NOTE

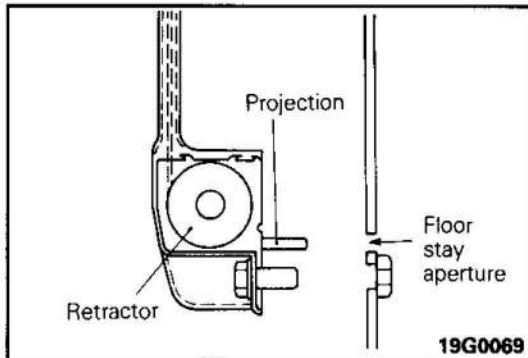
- (1) Reverse the removal procedures to reinstall.
- (2) ◆◆◆◆ : Refer to "Service Points of Removal".
- (3) ◆◆◆◆ : Refer to "Service Points of Installation".

SERVICE POINTS OF REMOVAL

ES2MB8D

6. REMOVAL OF SECOND SEAT BELT ASSEMBLY

Remove the rear side trim (lower) and quarter trim (lower, front).
(Refer to P. 52-29, 31.)

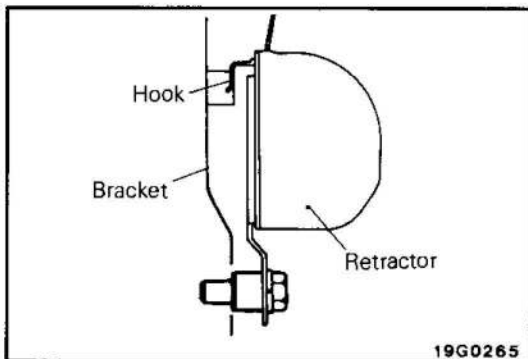


SERVICE POINTS OF INSTALLATION

ES2MDBF

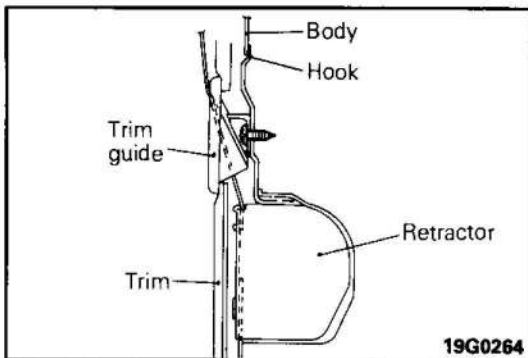
9. INSTALLATION OF SECOND SEAT BELT ASSEMBLY

Insert the rotation stopper projection into the floor stay aperture.



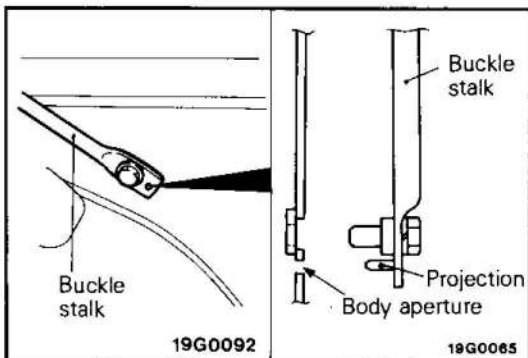
8. INSTALLATION OF SECOND SEAT BELT ASSEMBLY

After inserting the retractor hook into the bracket, install the retractor.



6. INSTALLATION OF SECOND SEAT BELT ASSEMBLY

- (1) After inserting the retractor hook into the body aperture, install the retractor.
- (2) Install the trim guide to the trim.



3. INSTALLATION OF BUCKLE STALK

Insert the rotation stopper projection into the body aperture.

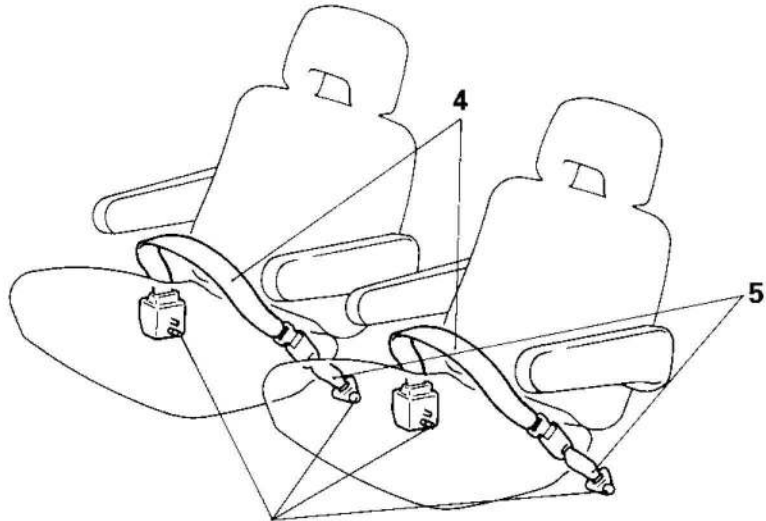
SECOND SEAT BELT (SEPARATE TYPE SEAT)

REMOVAL AND INSTALLATION

Removal Steps

1. Sash guide
2. Sash guide mounting bolt
3. Anchor plate
- ◆◆◆◆ 4. Outer seat belt assembly
- ◆◆ 5. Inner seat belt assembly

<Shoulder Beltless Type>

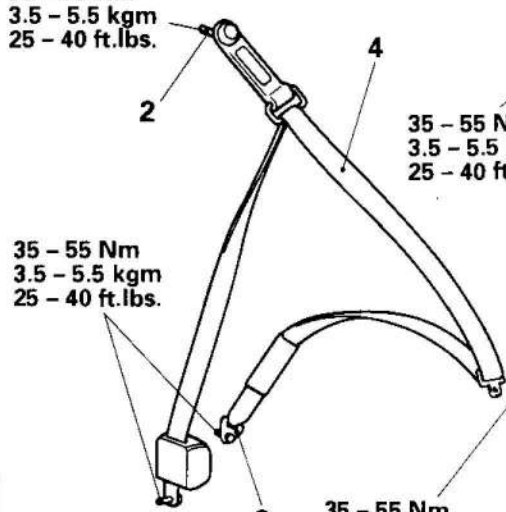


35 - 55 Nm
3.5 - 5.5 kgm
25 - 40 ft.lbs.

19G0076

<Shoulder Belt Type>

35 - 55 Nm
3.5 - 5.5 kgm
25 - 40 ft.lbs.



35 - 55 Nm
3.5 - 5.5 kgm
25 - 40 ft.lbs.

35 - 55 Nm
3.5 - 5.5 kgm
25 - 40 ft.lbs.

35 - 55 Nm
3.5 - 5.5 kgm
25 - 40 ft.lbs.

35 - 55 Nm
3.5 - 5.5 kgm
25 - 40 ft.lbs.

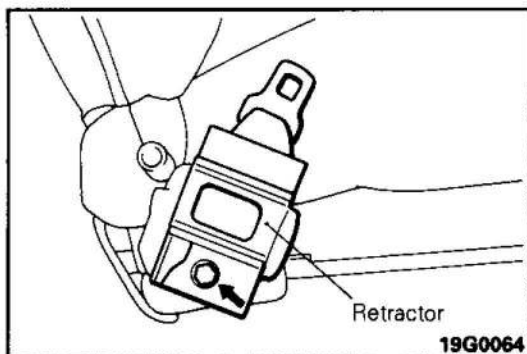
35 - 55 Nm
3.5 - 5.5 kgm
25 - 40 ft.lbs.

35 - 55 Nm
3.5 - 5.5 kgm
25 - 40 ft.lbs.

19G0389

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

E52MBBF

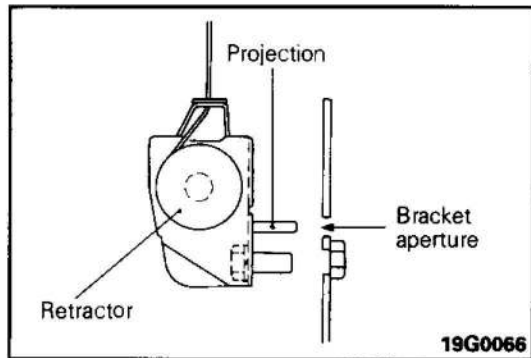
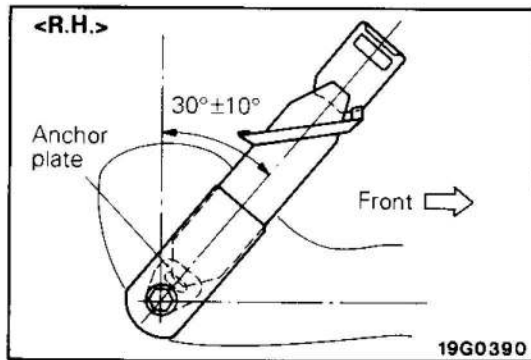
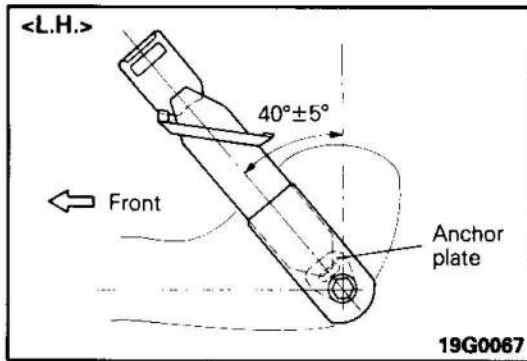
4. REMOVAL OF OUTER SEAT BELT ASSEMBLY <Shoulder Beltless Type>

- (1) Remove the seat swivel lever, slide lever, reclining lever, and shield cover.
- (2) Remove the retractor installation bolt and remove the outer seat belt assembly.

SERVICE POINTS OF INSTALLATION

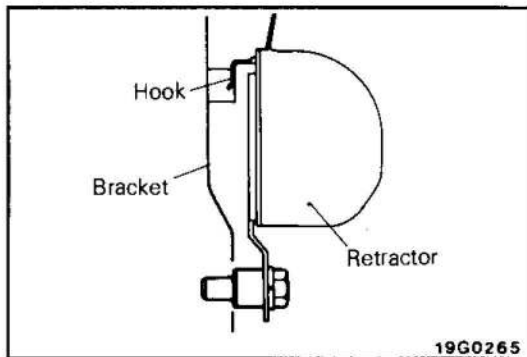
5. INSTALLATION OF INNER SEAT BELT ASSEMBLY

Install the anchor plate at the angle shown.



**4. INSTALLATION OF OUTER SEAT BELT ASSEMBLY
<Shoulder Beltless Type>**

Introduce the projecting part of the retractor into the bracket aperture and install the retractor to the seat.

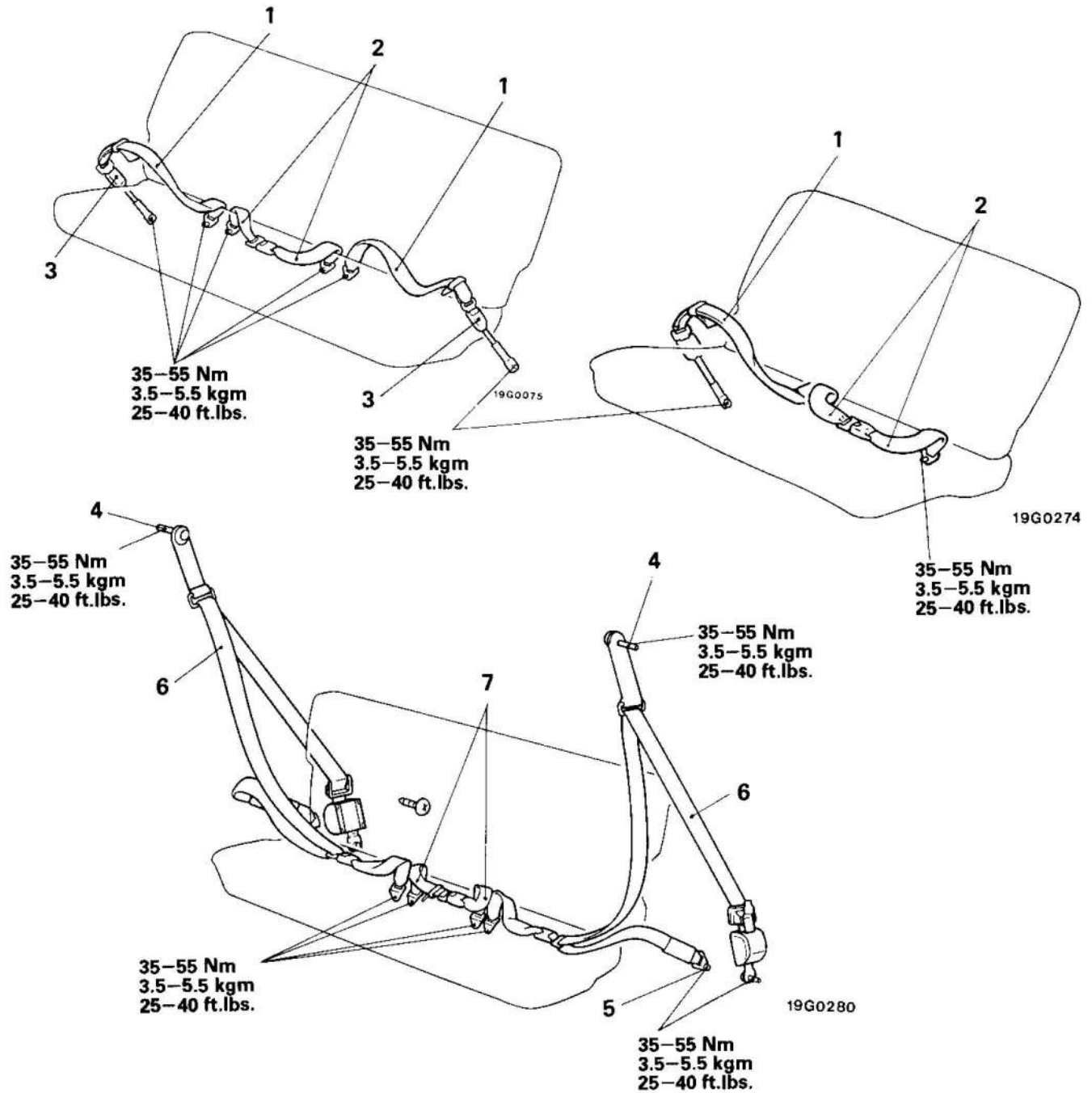


<Shoulder Belt Type>

After inserting the retractor hook into the bracket, install the retractor.

THIRD SEAT BELT

REMOVAL AND INSTALLATION



Removal steps of third seat belt without ELR

1. Third seat belt assembly
2. Third seat centre belt assembly
- ◆◆ 3. Buckle stalk

Removal steps of third seat belt with ELR

4. Sash guide mounting bolt
5. Anchor plate
- ◆◆◆◆ 6. Third seat belt assembly
7. Third seat centre belt assembly

NOTE

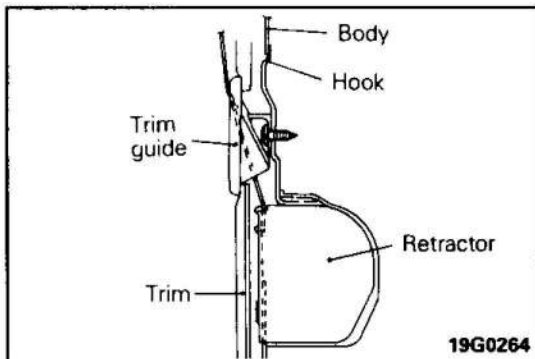
- (1) Reverse the removal procedures to reinstall.
- (2) ◆◆ : Refer to "Service Points of Removal".
- (3) ◆◆◆ : Refer to "Service Points of Installation".

SERVICE POINTS OF REMOVAL

E52MBCB

6. REMOVAL OF THIRD SEAT BELT ASSEMBLY

Remove the quarter trims (lower, rear).
(Refer to P.52-29.)

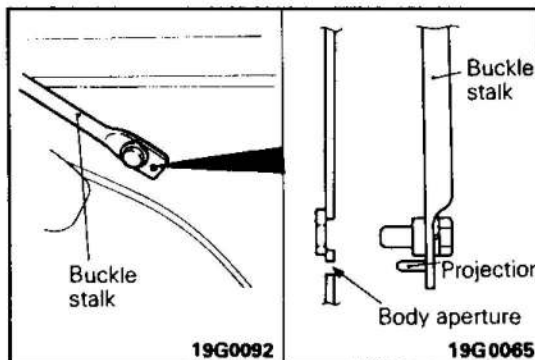


SERVICE POINTS OF INSTALLATION

E52MOCA

6. INSTALLATION OF THIRD SEAT BELT ASSEMBLY

- (1) After inserting the retractor hook into body aperture, install the retractor.
- (2) Install the trim guide to the trim.

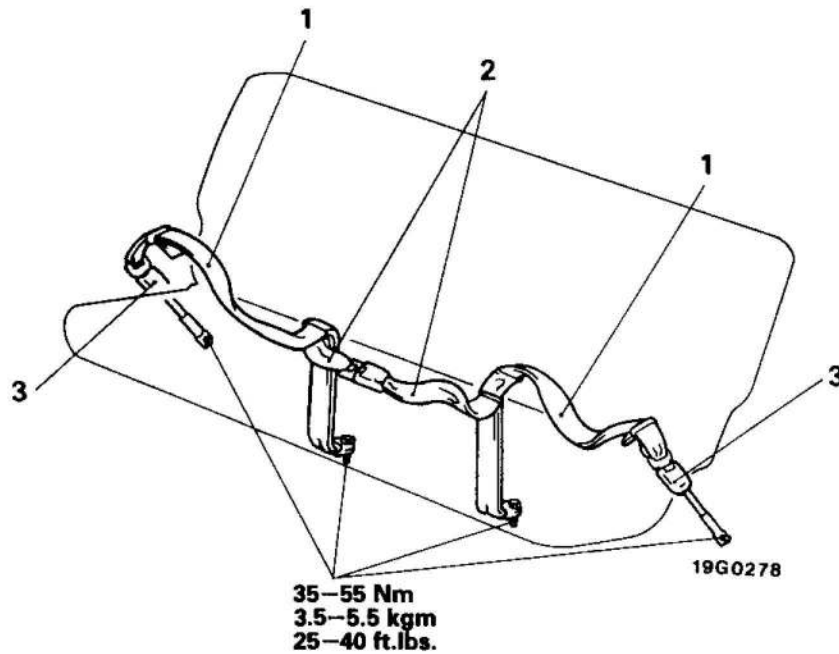


3. INSTALLATION OF BUCKLE STALK

Insert the rotation stopper projection into the body aperture.

FOURTH SEAT BELT

REMOVAL AND INSTALLATION

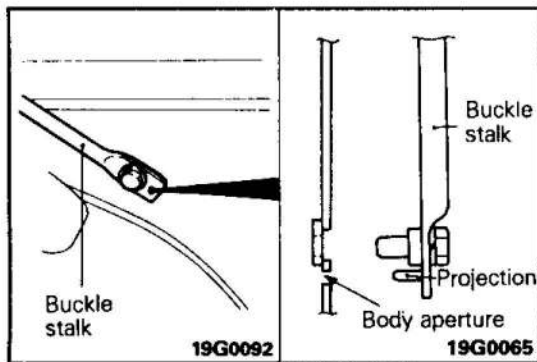


Removal steps

1. Fourth seat belt assembly
2. Fourth seat centre belt assembly
- ◆◆ 3. Buckle stalk

NOTE

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



SERVICE POINTS OF INSTALLATION

E52MBDA

3. INSTALLATION OF BUCKLE STALK

Insert the rotation stopper into the body aperture.