

Precautions

When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratching, denting, etc. Be careful during removal or installation. Be careful not to damage the body.

BODY

SECTION BF

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When you read wiring diagrams:

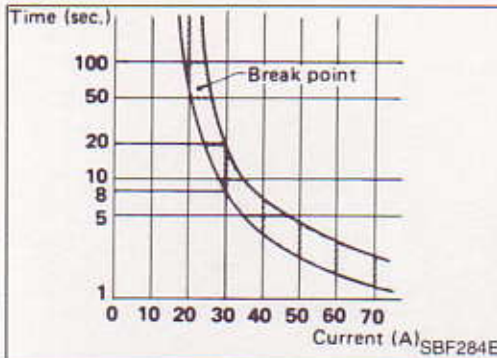
- Read GI section, "HOW TO READ WIRING DIAGRAMS".
- See EL section, "POWER SUPPLY ROUTING" for power distribution circuit.

★ For seat belt, refer to MA section.

GENERAL SERVICING

Precautions

- When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratches.
- Handle trim, molding, instruments, grille, etc. carefully during removing or installation. Be careful not to soil or damage them.
- Apply sealing compound where necessary when installing parts.
- When applying sealing compound, be careful that sealing compound does not protrude from parts.
- When replacing any metal parts (for example body outer panel, members, etc.), be sure to take rust prevention measures.



Circuit Breaker Inspection

For example, when current is 30A, the circuit is broken within 8 to 20 seconds.

Circuit breakers are used in the following systems.

- Power window & power door lock
- Power sun roof

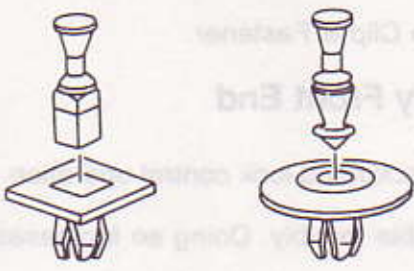
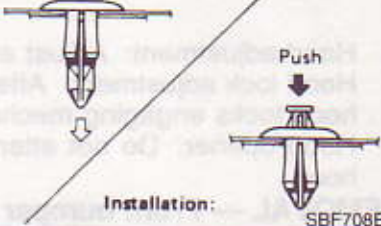
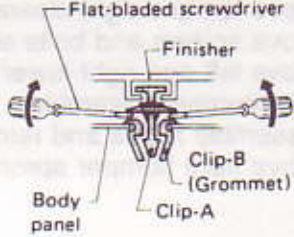
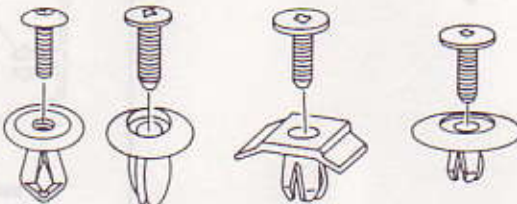
Clip and Fastener

- The following numbers and symbols correspond to clips and fasteners in BF section.
- Replace any clips and/or fasteners which are damaged during removal or installation.

Symbol No.	Shapes	Removal & Installation
C101		Removal: Remove by bending up with flat-bladed screwdrivers. SBF367B
C103		Removal: Remove with a flat-bladed screwdriver or pliers. SBF292C

GENERAL SERVICING

Clip and Fastener (Cont'd)

Symbol No.	Shapes	Removal & Installation
C203		Push center pin to catching position. (Do not remove center pin by hitting it.) Push Installation:  SBF708E
CF118	   SBF035C SBF036C	Removal:  SBF652B
CG101	  SBF145B	Removal  Rotate 45° to remove. Installation  Removal  SBF085B
CR103	 SBF768B	Removal: Holder portion of clip must be spread out to remove rod.  SBF770B
CS101	 SBF290G	Removal: Screw out with a Phillips screwdriver.  SBF140B

BODY END

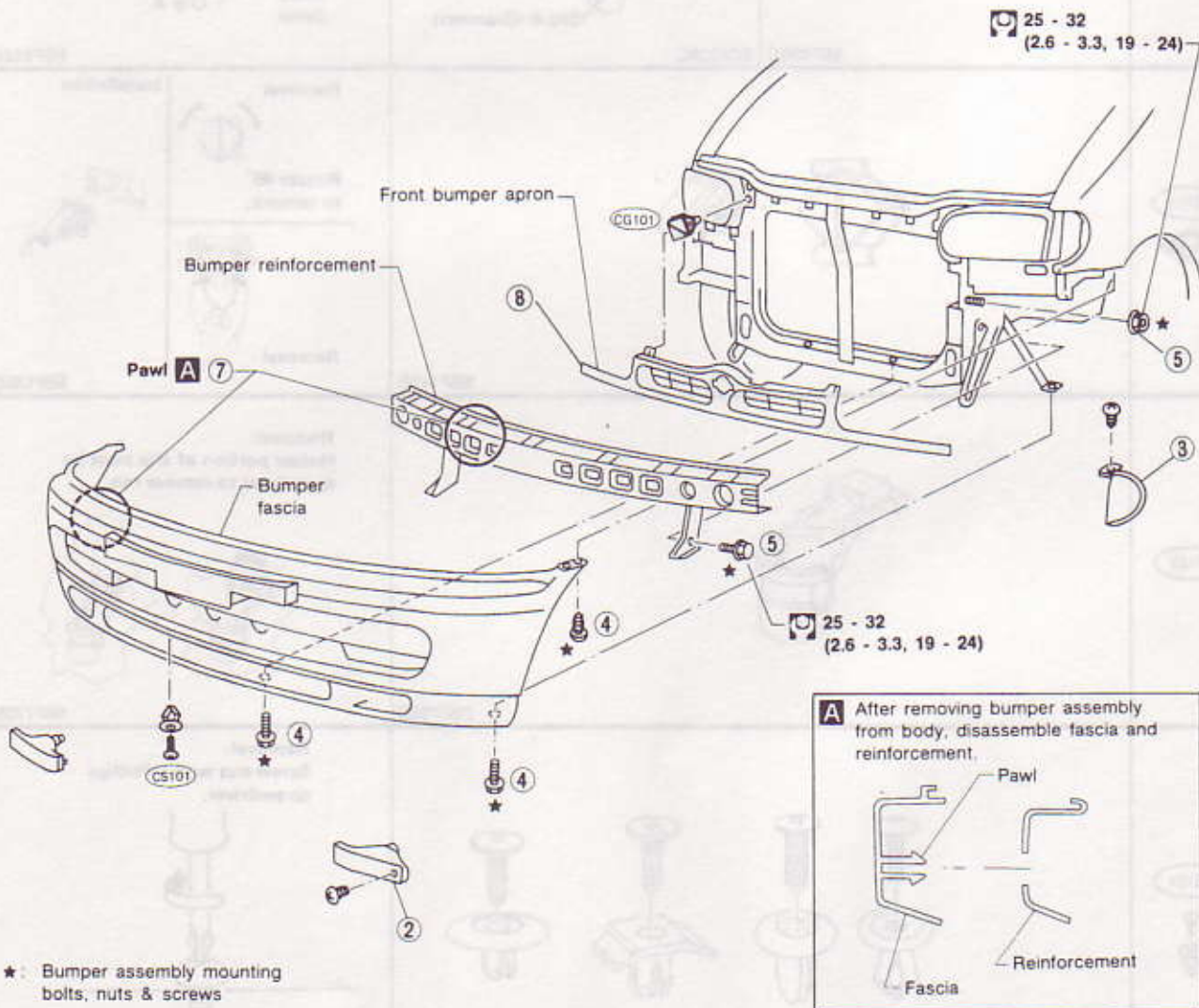
- When removing or installing hood, trunk lid or back door, place a cloth or other padding on hood, trunk lid or back door corners to avoid scratching vehicle body.
- Bumper fascia: It is made of plastic, so do not use excessive force and take care to keep oil away from it.
- When removing clips or fasteners, refer to Clip & Fastener.

Body Front End

- Hood adjustment: Adjust at hinge portion.
- Hood lock adjustment: After adjusting, check hood lock control operation. Apply a coat of grease to hood locks engaging mechanism.
- Hood opener: Do not attempt to bend cable forcibly. Doing so increases effort required to unlock hood.

REMOVAL — Front bumper assembly

- 1 Remove left and right fillet moldings (Models equipped with fillet moldings).
- 2 Remove left and right turn signal lamps.
- 3 Remove left and right clearance lamps.
- 4 Remove screws and bolts securing bumper fascia.
- 5 Remove left and right lower bolts and loosen upper nuts securing reinforcement to body.
- 6 Extract bumper assembly.
- 7 Disassemble fascia and reinforcement.
- 8 Remove front bumper apron.



BODY END

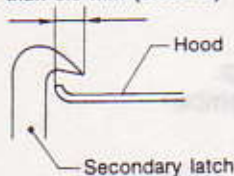
Body Front End (Cont'd)

Hood lock adjustment

- Adjust hood so that hood primary lock meshes at a position 1 to 1.5 mm (0.039 to 0.059 in) lower than fender.
- After hook lock adjustment, adjust bumper rubber.
- When securing hood lock, ensure it does not tilt. Striker must be positioned at the center of hood primary lock.
- After adjustment, ensure that hood primary and secondary lock operate properly.

Hood lock secondary latch hooking length

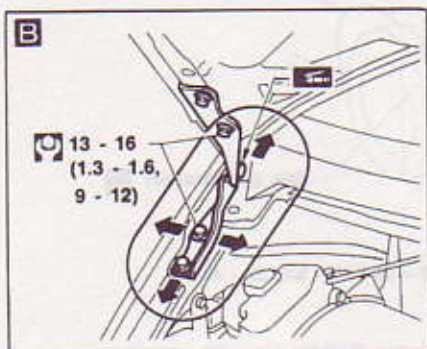
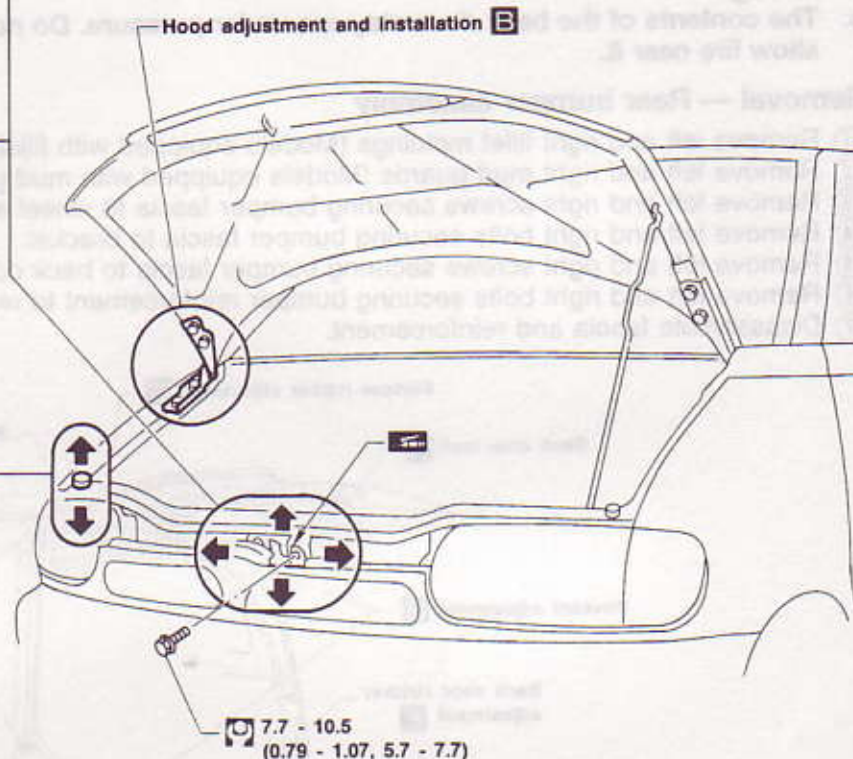
More than 5.0 mm (0.197 in)



Bumper rubber adjustment

- Adjust so that hood is aligned with fender. At that time deflection is, approx. 2 mm (0.08 in).

[Bumper rubber free height is approx. 13 mm (0.51 in)]



: N·m (kg-m, ft-lb)

BODY END

Body Rear End and Opener

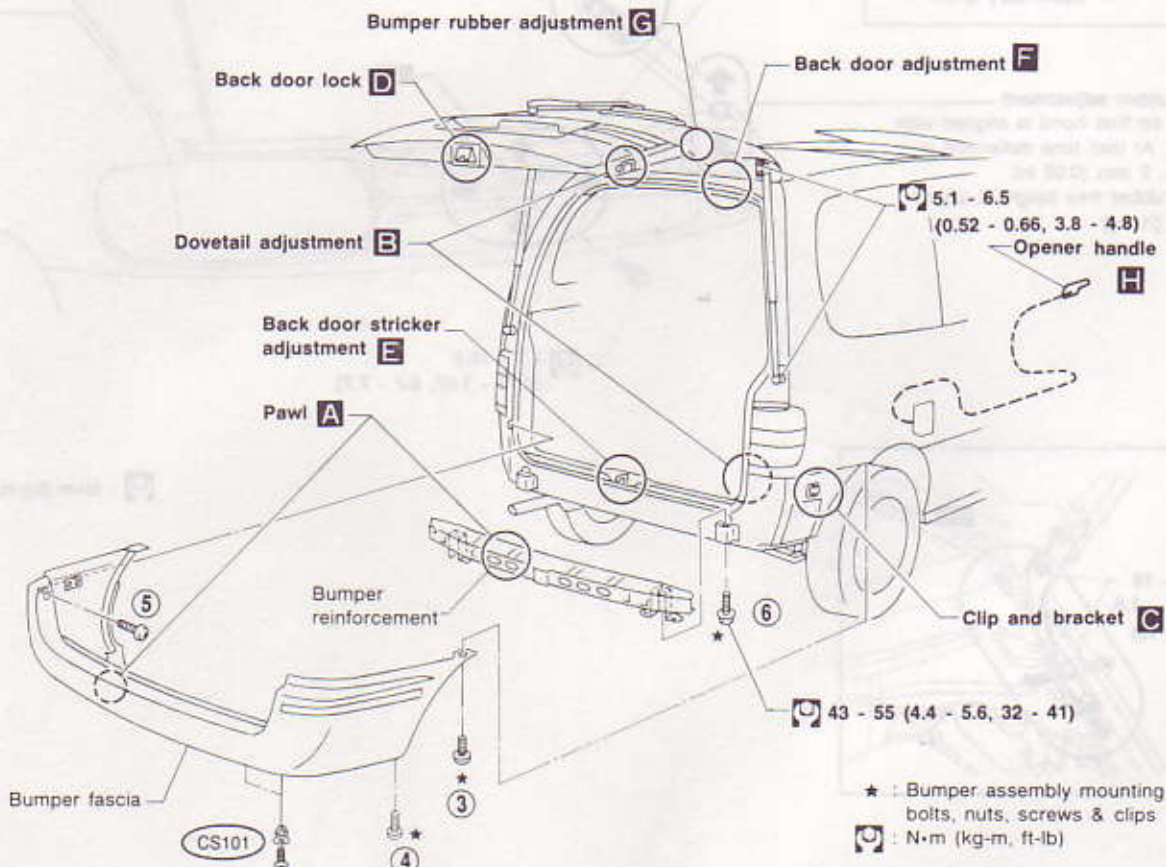
- Back door adjustment: Adjust at hinge portion for proper fit.
- Back door lock system adjustment: Adjust striker so that it is in the center of the lock. After adjustment, check lock operation.
- Opener cable: Do not attempt to bend cable using excessive force.
- After installation, make sure that trunk lid/back door and fuel filler lid open smoothly.

WARNING:

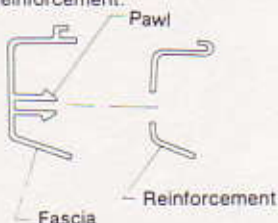
- Be careful not to scratch back door stay when installing back door. A scratched stay may cause gas leakage.
- The contents of the back door stay are under pressure. Do not take apart, puncture, apply heat or allow fire near it.

Removal — Rear bumper assembly

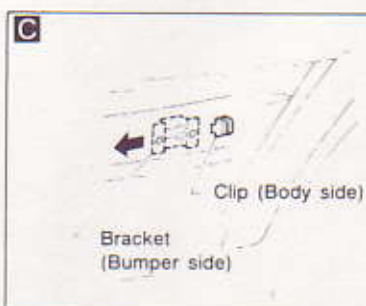
- Remove left and right fillet moldings (Models equipped with fillet moldings).
- Remove left and right mud guards (Models equipped with mud guards).
- Remove left and right screws securing bumper fascia to wheel arch.
- Remove left and right bolts securing bumper fascia to bracket.
- Remove left and right screws securing bumper fascia to back door opening.
- Remove left and right bolts securing bumper reinforcement to rear side member.
- Disassemble fascia and reinforcement.



A After removing bumper assembly from body, disassemble fascia and reinforcement.



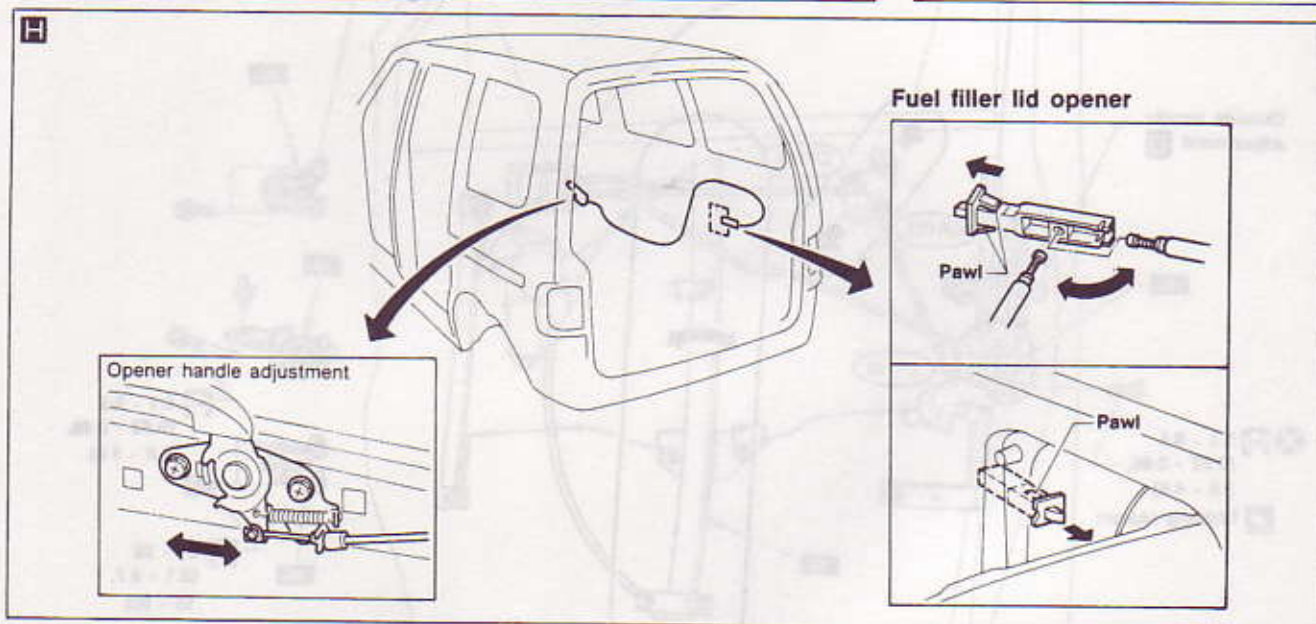
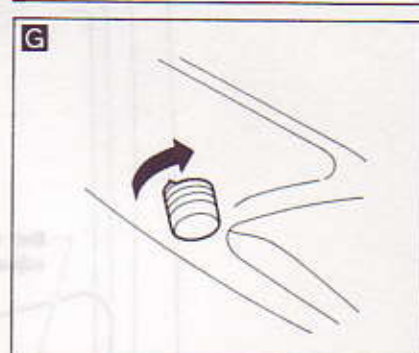
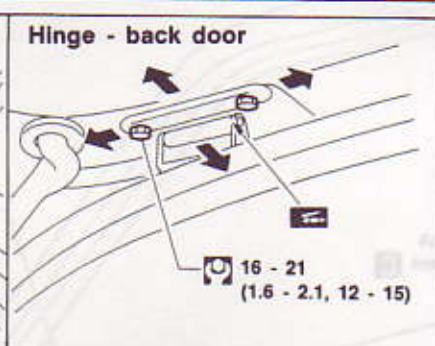
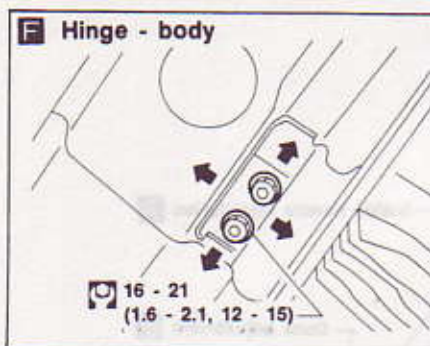
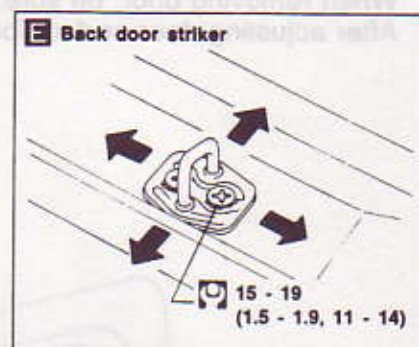
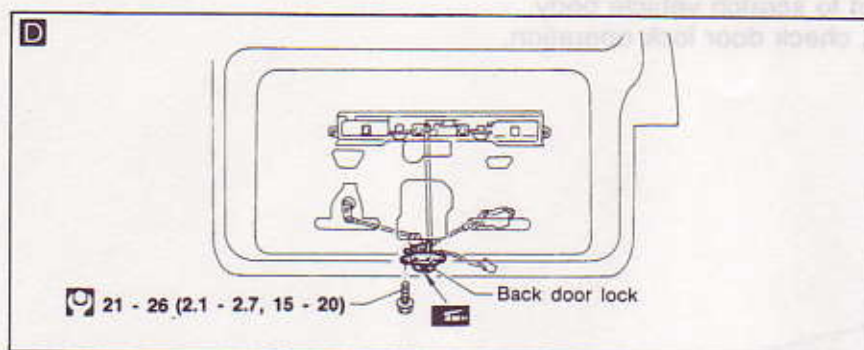
B Body side Back door side



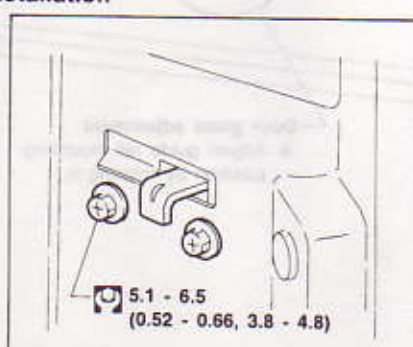
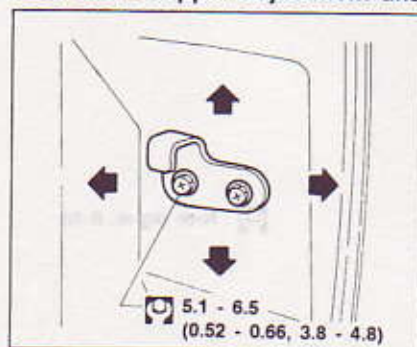
MBF793A-2

BODY END

Body Rear End and Opener (Cont'd)



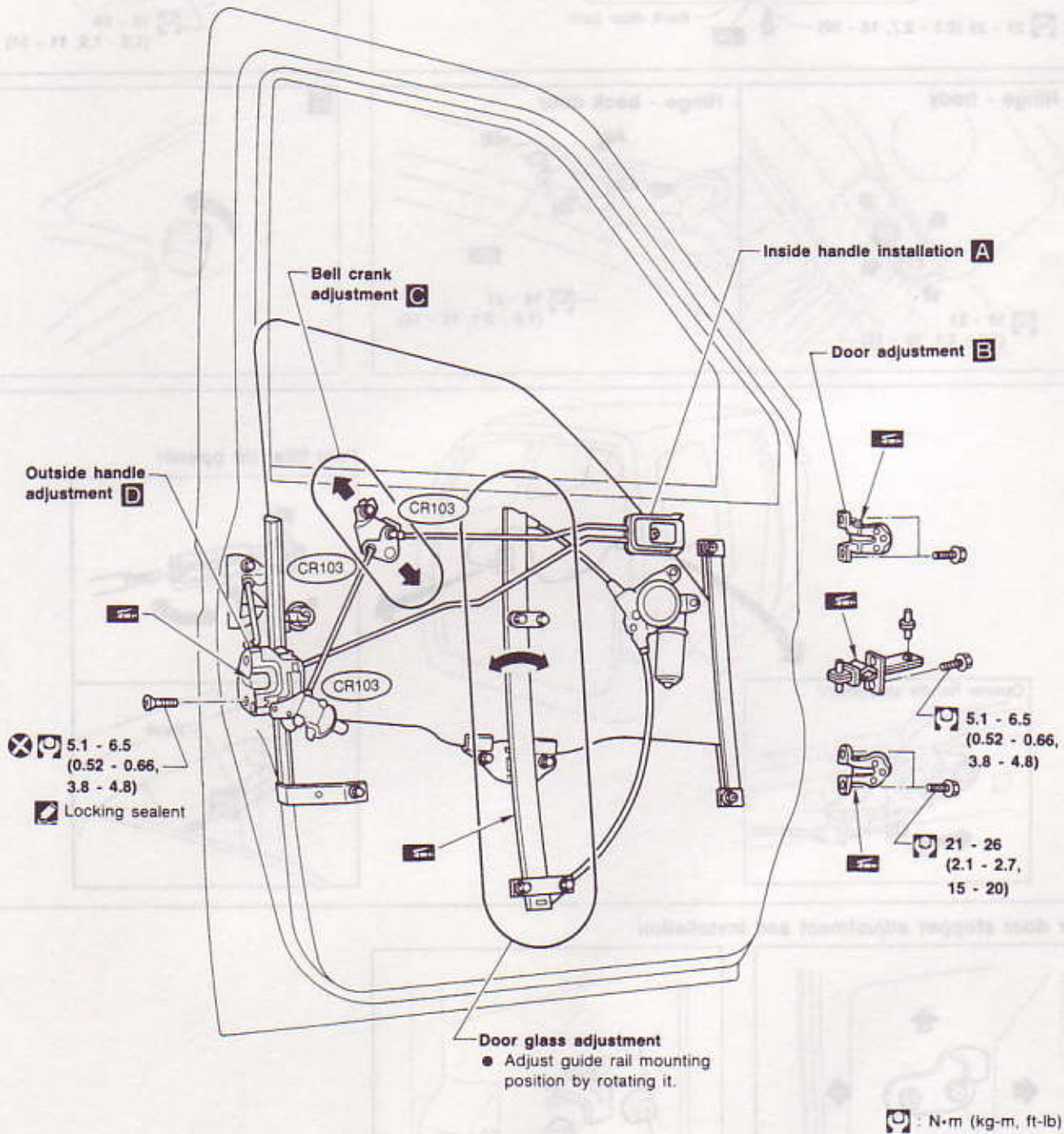
Rear door stopper adjustment and installation



DOOR

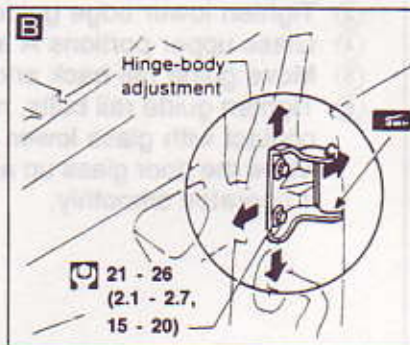
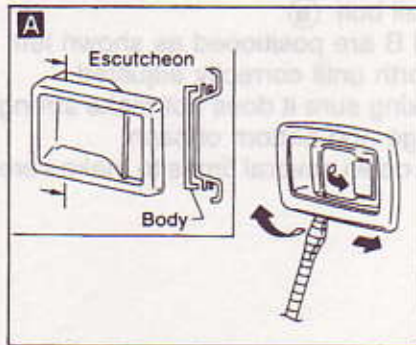
Front Door

- When removing door, be sure not to scratch vehicle body.
- After adjusting door or door lock, check door lock operation.

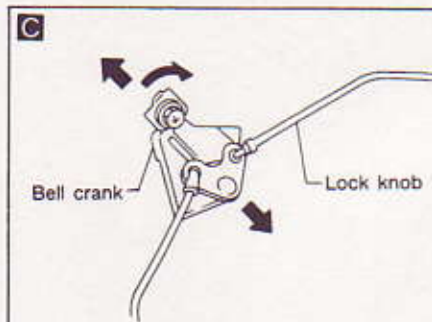
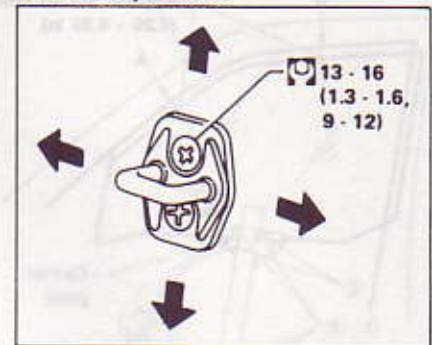


DOOR

Front Door (Cont'd)



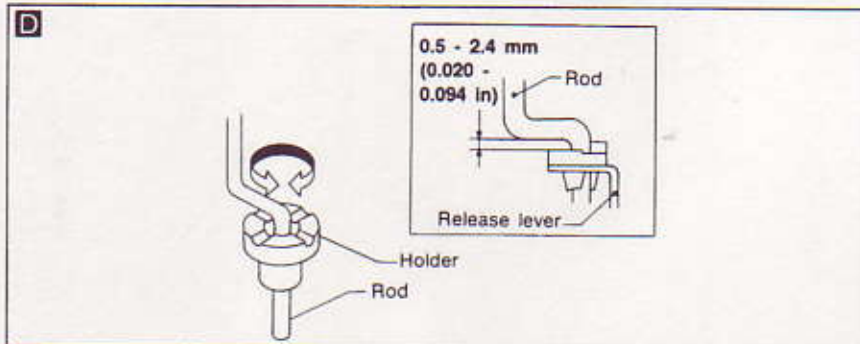
Striker adjustment



Bell crank adjustment

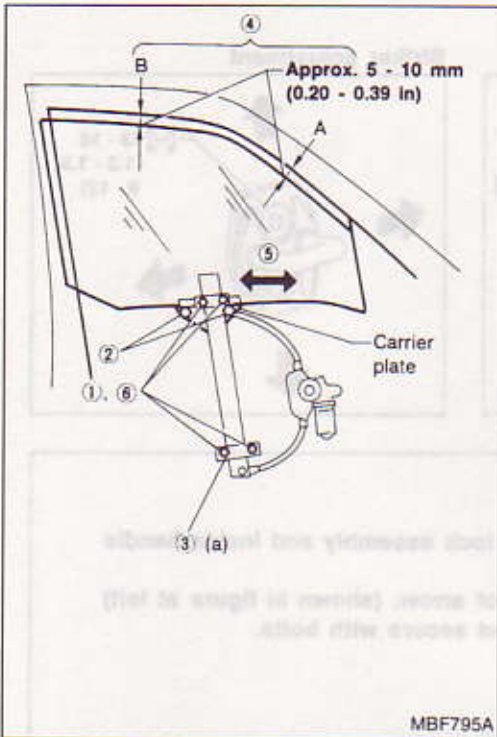
Lock door after setting door lock assembly and inside handle in position.

Move bell crank in direction of arrow. (shown in figure at left) to take up knob free play, and secure with bolts.



DOOR

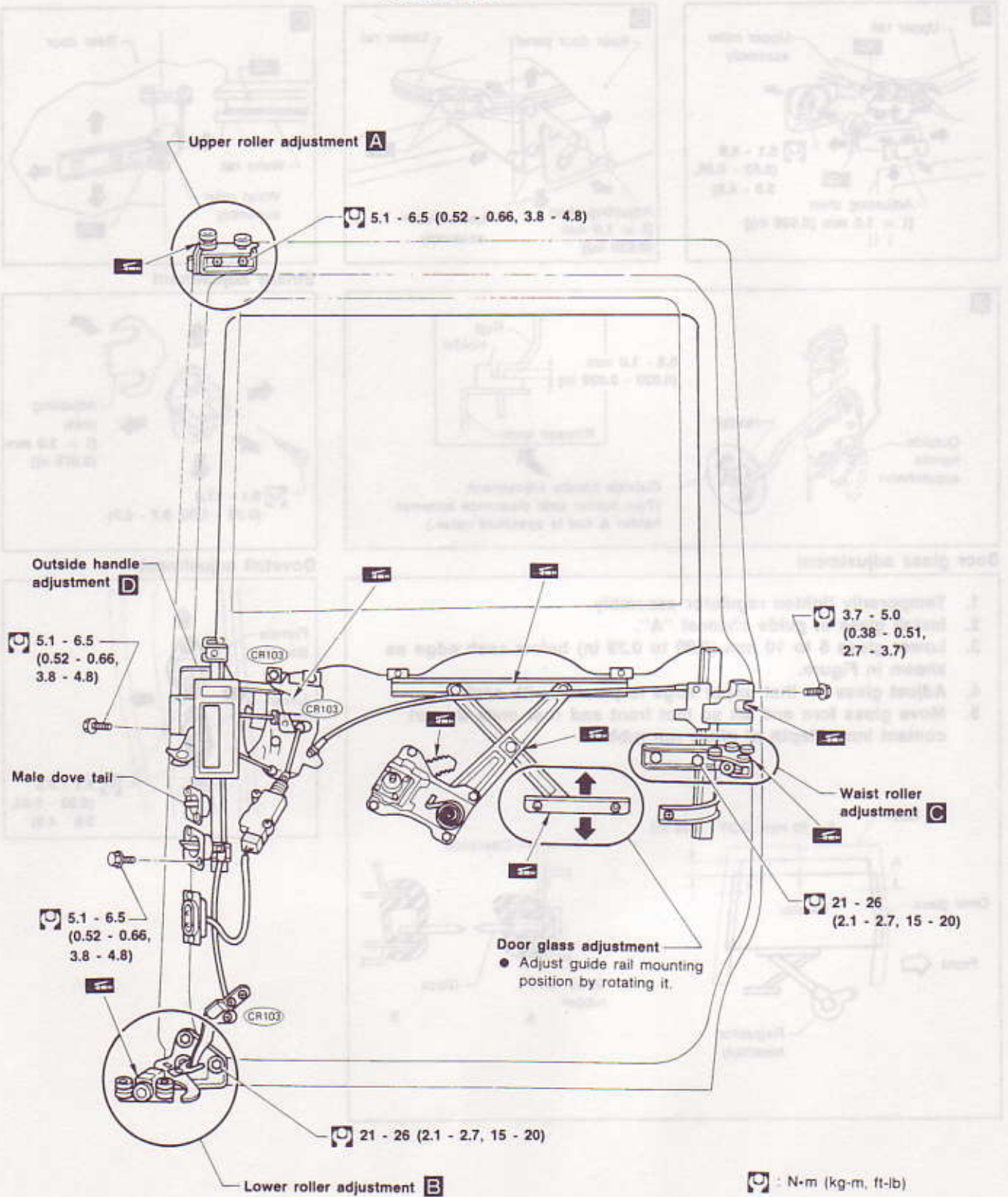
Front Door (Cont'd)



- ① Temporarily tighten guide rail bolts.
- ② Install glass onto carrier plate.
- ③ Tighten lower edge guide rail bolt (a).
- ④ Glass upper portions A and B are positioned as shown left.
- ⑤ Move guide rail back and forth until correctly adjusted.
- ⑥ Tighten guide rail bolts, making sure it does not make strong contact with glass lower edge and bottom of sash.
Move the door glass up and down several times to make sure it operates smoothly.

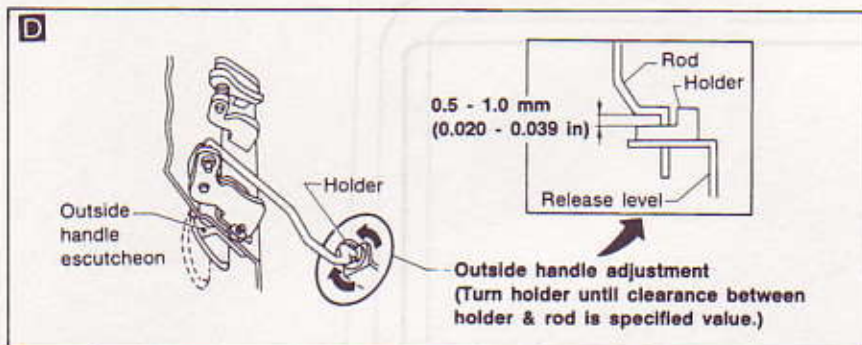
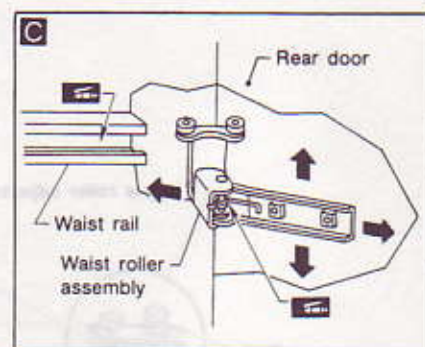
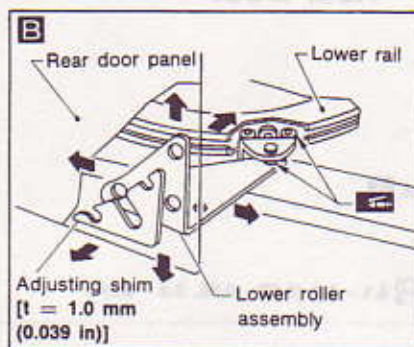
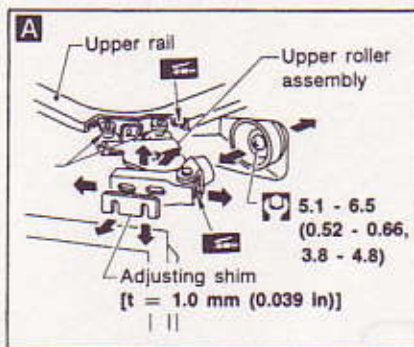
DOOR

Rear Door

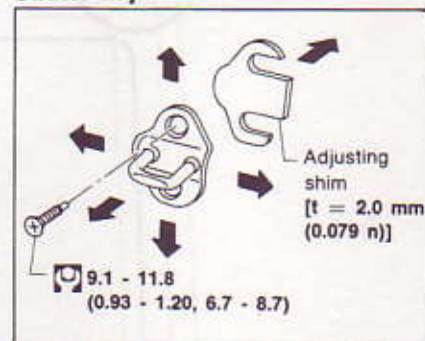


DOOR

Rear Door (Cont'd)

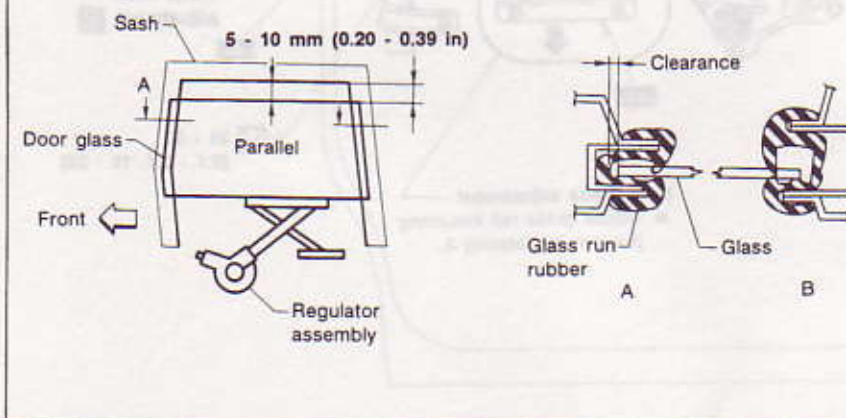


Striker adjustment

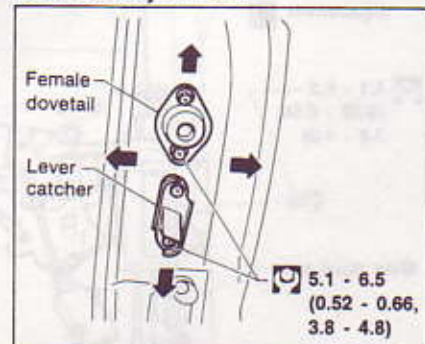


Door glass adjustment

1. Temporarily tighten regulator assembly.
2. Install glass in guide channel "A".
3. Lower glass 5 to 10 mm (0.20 to 0.39 in) below sash edge as shown in Figure.
4. Adjust glass so that upper edge is parallel with sash.
5. Move glass fore and aft so that front and rear ends do not contact inner depth of glass run rubber.



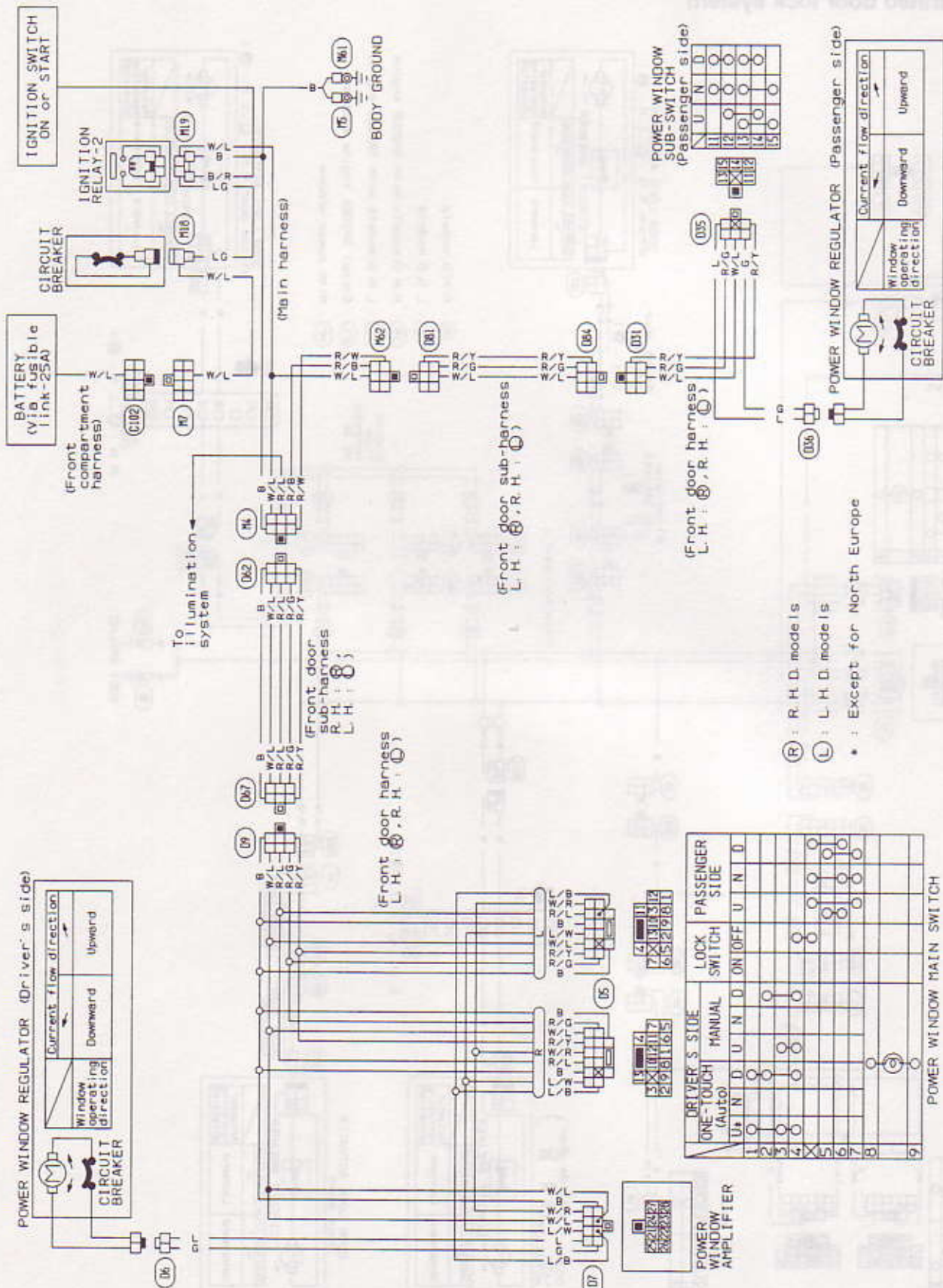
Dovetail adjustment



DOOR

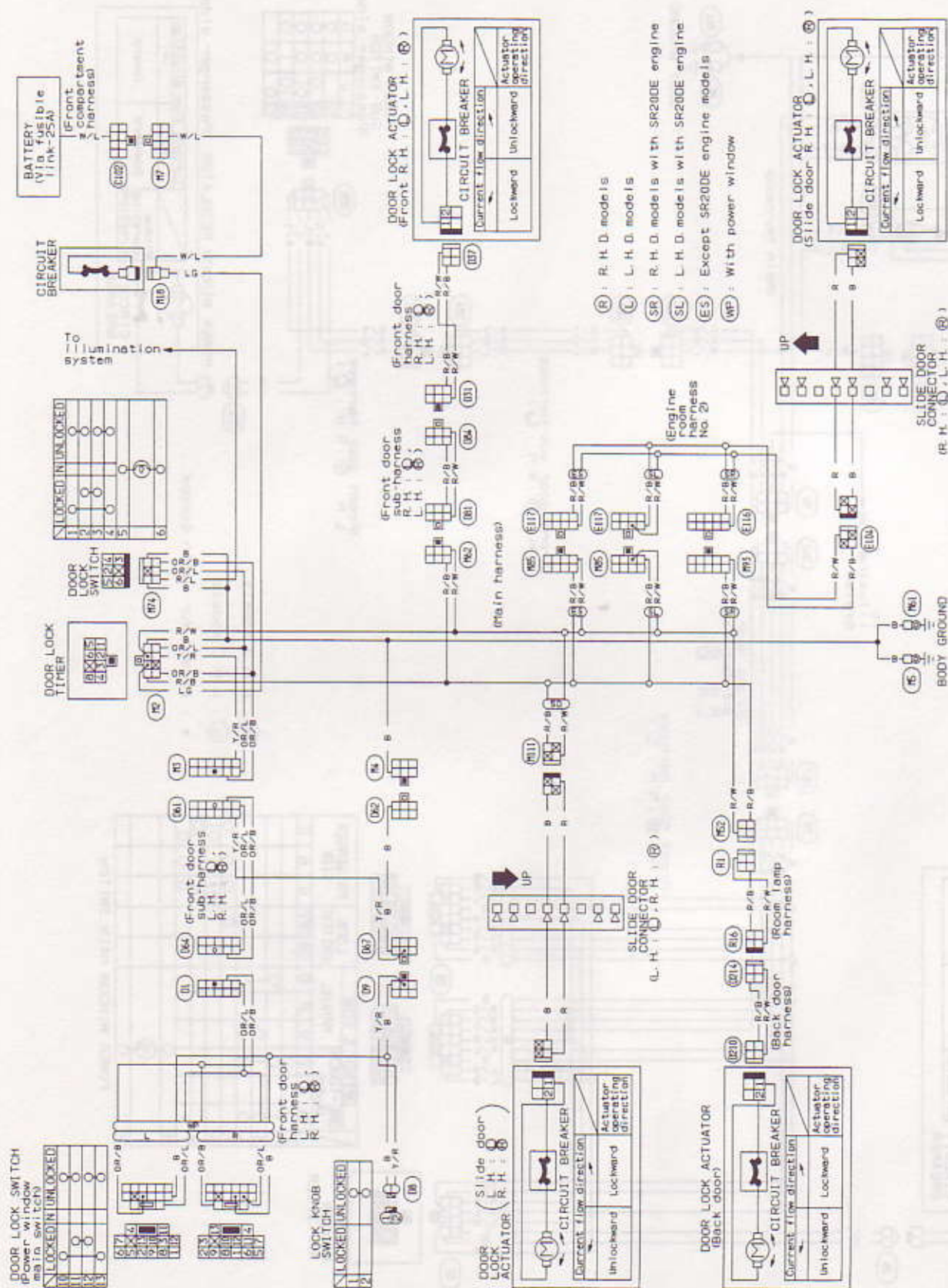
Power Window

WIRING DIAGRAM



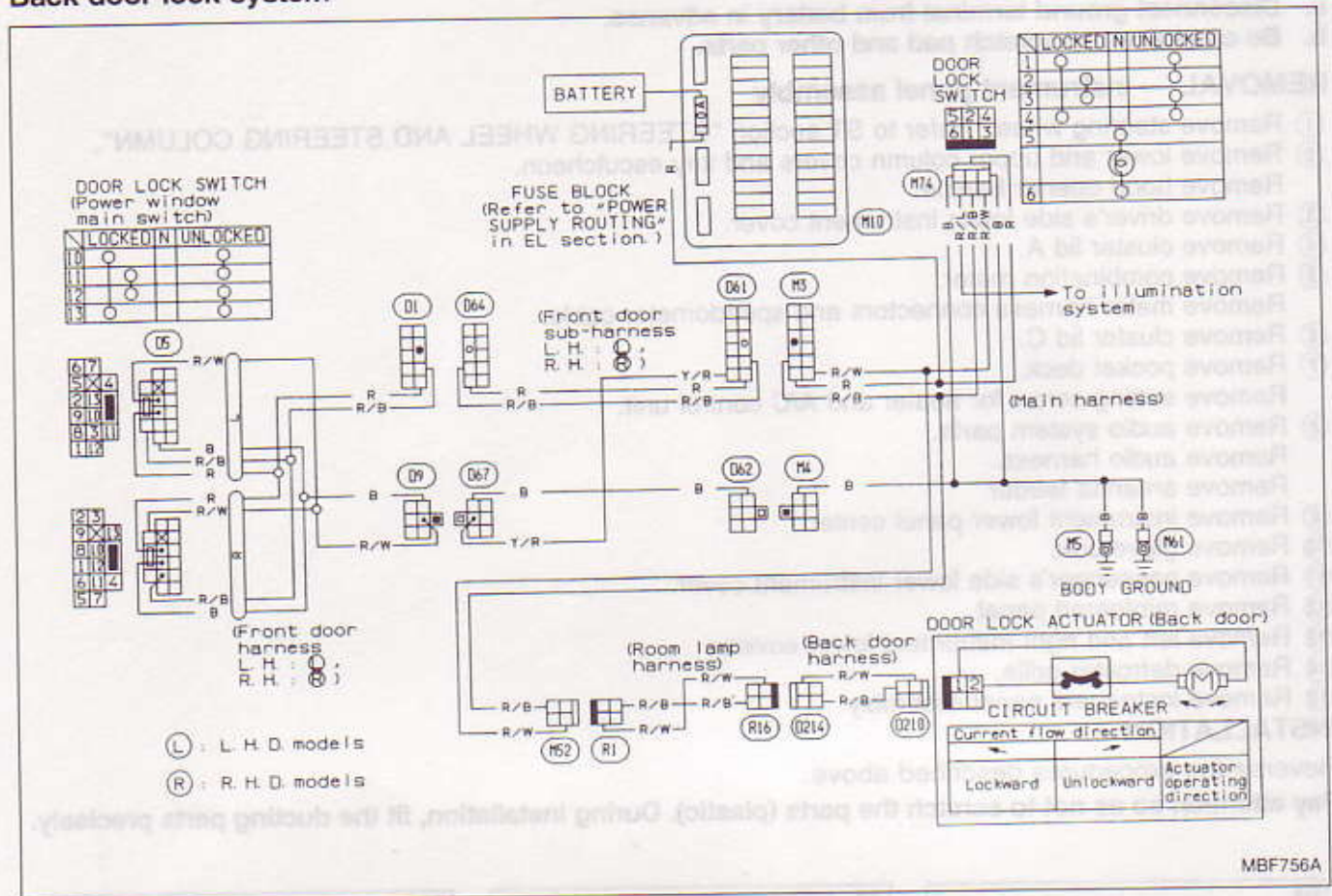
Power Door Lock

Concentrated door lock system



DOOR Power Door Lock (Cont'd)

Back door lock system



INSTRUMENT PANEL

CAUTION:

- a. Disconnect ground terminal from battery in advance.
- b. Be careful not to scratch pad and other parts.

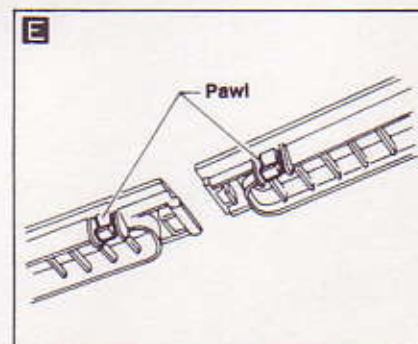
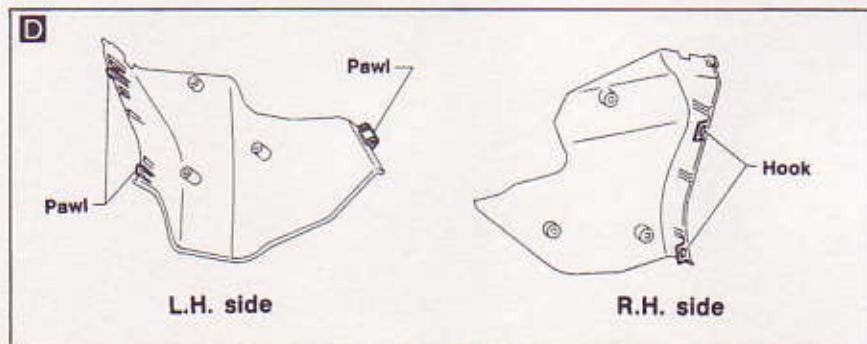
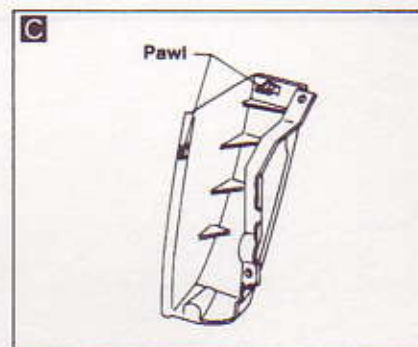
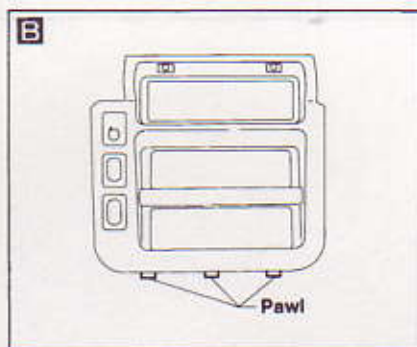
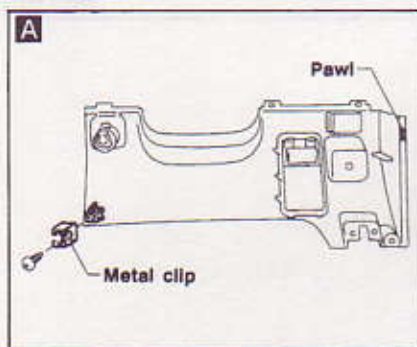
REMOVAL — Instrument panel assembly

- ① Remove steering wheel. Refer to ST section "STEERING WHEEL AND STEERING COLUMN".
- ② Remove lower and upper column covers and key escutcheon.
Remove hood opener handle.
- ③ Remove driver's side lower instrument cover.
- ④ Remove cluster lid A.
- ⑤ Remove combination meter.
Remove meter harness connectors and speedometer cable.
- ⑥ Remove cluster lid C.
- ⑦ Remove pocket deck.
Remove setting screw for heater and A/C control unit.
- ⑧ Remove audio system parts.
Remove audio harness.
Remove antenna feeder.
- ⑨ Remove instrument lower panel center.
- ⑩ Remove glove box.
- ⑪ Remove passenger's side lower instrument cover.
- ⑫ Remove reinforced panel.
- ⑬ Remove left and right Instrument lower covers.
- ⑭ Remove defroster grille.
- ⑮ Remove instrument panel assembly.

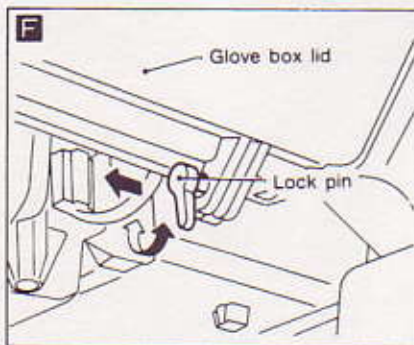
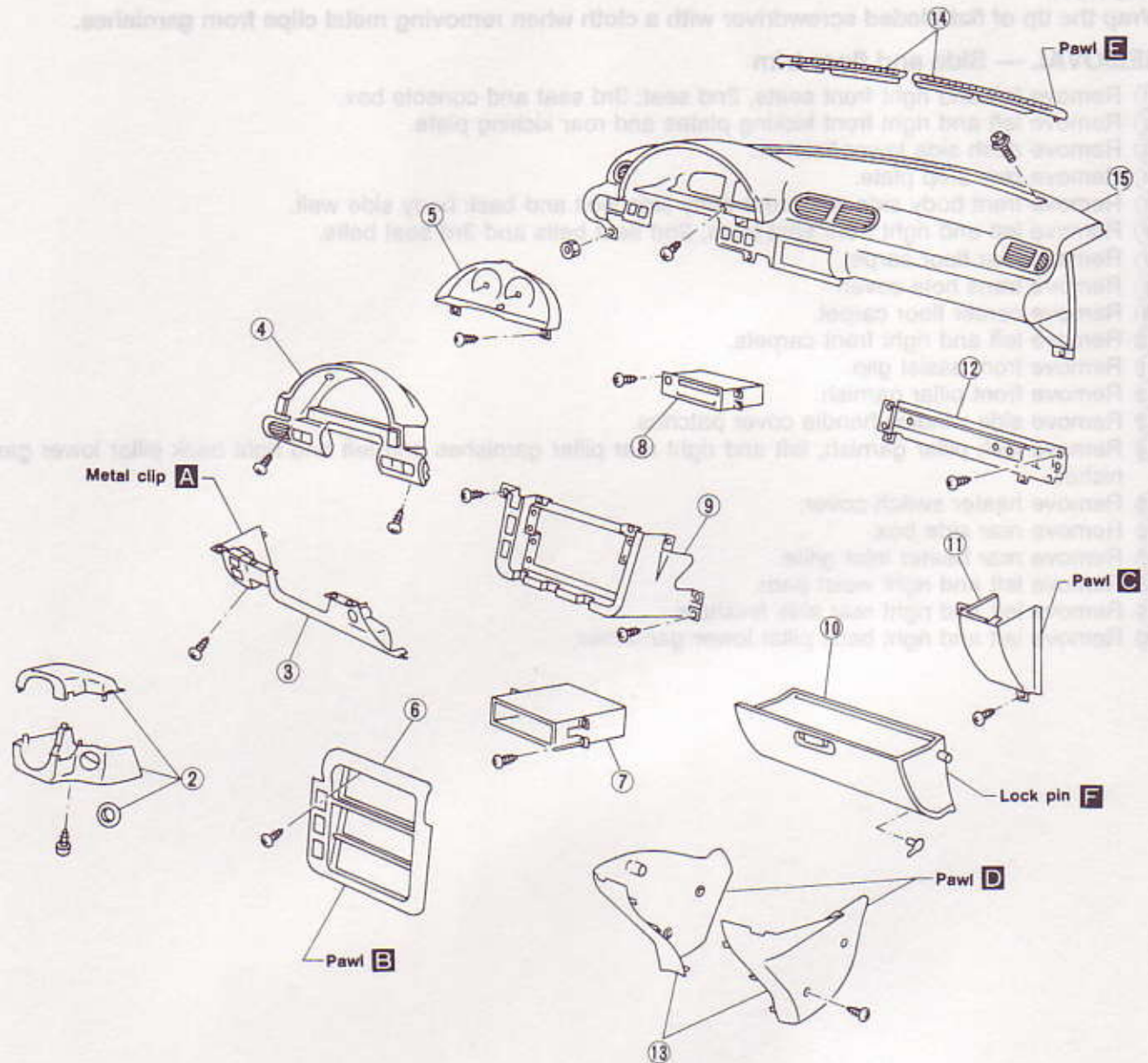
INSTALLATION

Reverse the procedures described above.

Pay attention so as not to scratch the parts (plastic). During installation, fit the ducting parts precisely.



INSTRUMENT PANEL



INTERIOR AND EXTERIOR

Interior

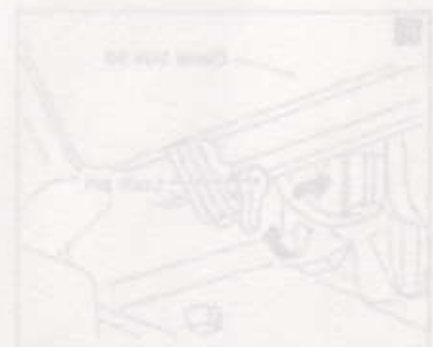
SIDE AND FLOOR TRIM

CAUTION:

Wrap the tip of flat-bladed screwdriver with a cloth when removing metal clips from garnishes.

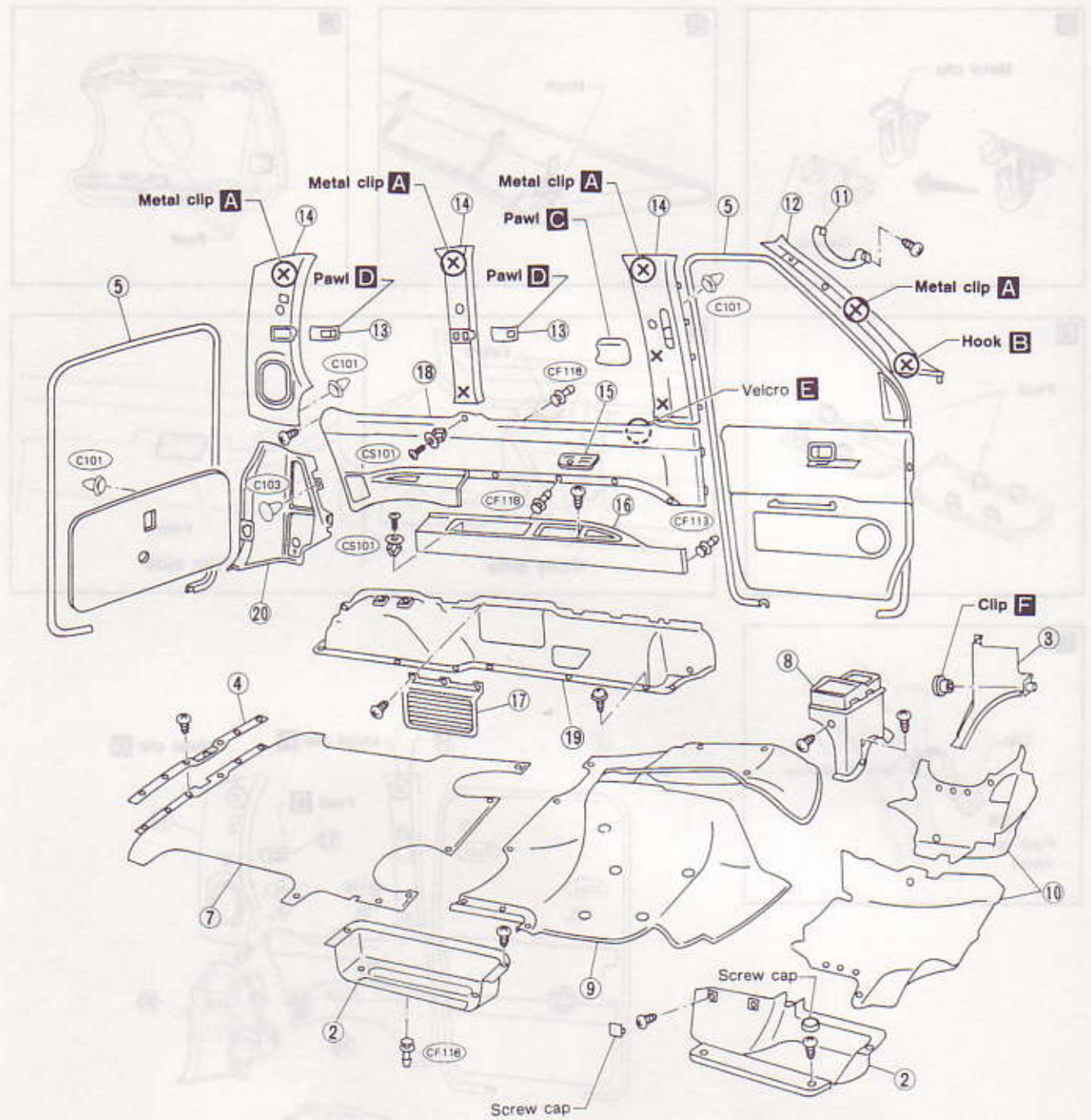
REMOVAL — Side and floor trim

- ① Remove left and right front seats, 2nd seat, 3rd seat and console box.
- ② Remove left and right front kicking plates and rear kicking plate.
- ③ Remove dash side lower finisher.
- ④ Remove rear step plate.
- ⑤ Remove front body side welt, rear body side welt and back body side welt.
- ⑥ Remove left and right front seat belts, 2nd seat belts and 3rd seat belts.
- ⑦ Remove rear floor carpet.
- ⑧ Remove trans hole cover.
- ⑨ Remove center floor carpet.
- ⑩ Remove left and right front carpets.
- ⑪ Remove front assist glip.
- ⑫ Remove front pillar garnish.
- ⑬ Remove side window handle cover patches.
- ⑭ Remove lock pillar garnish, left and right rear pillar garnishes and left and right back pillar lower garnishes.
- ⑮ Remove heater switch cover.
- ⑯ Remove rear side box.
- ⑰ Remove rear heater inlet grille.
- ⑱ Remove left and right waist pads.
- ⑲ Remove left and right rear side finishers.
- ⑳ Remove left and right back pillar lower garnishes.



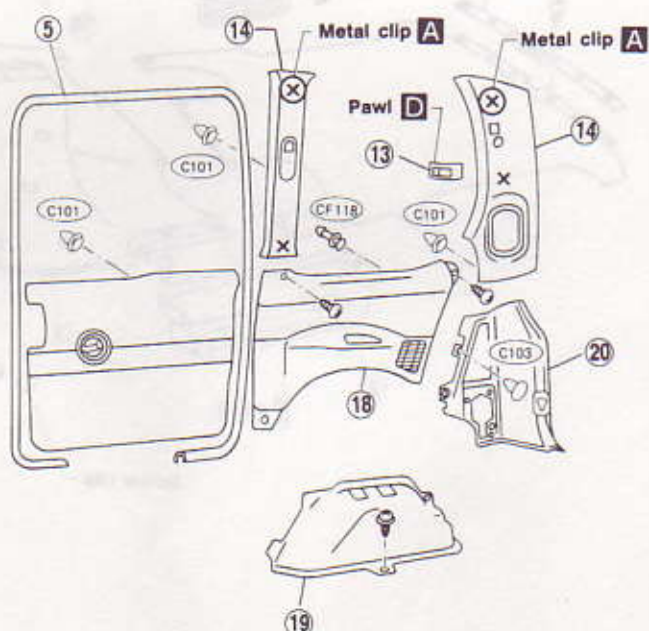
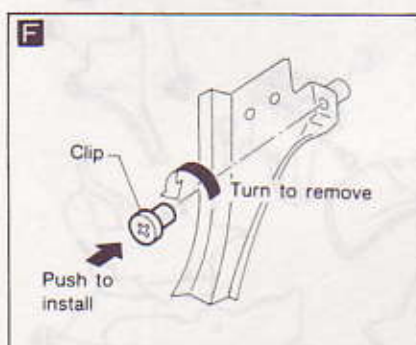
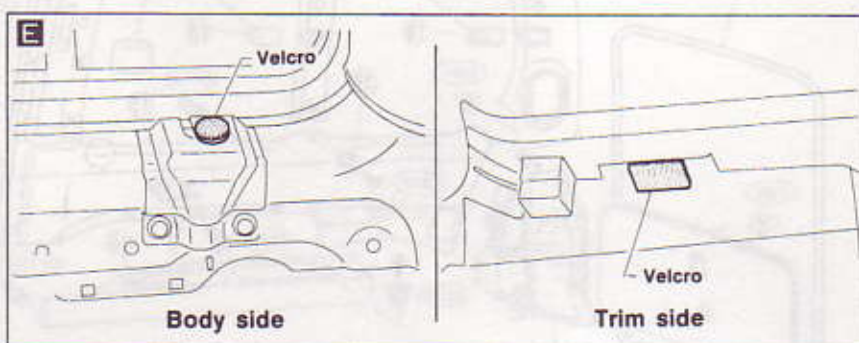
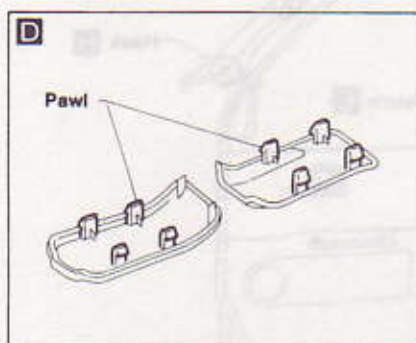
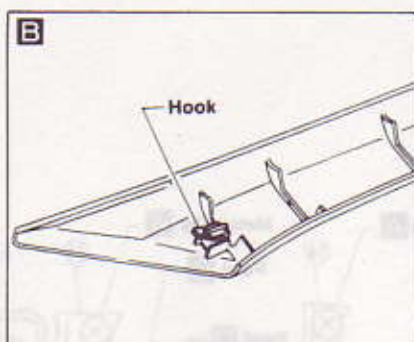
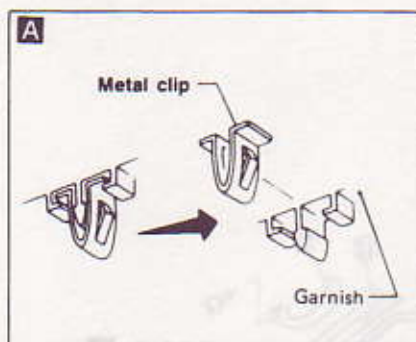
INTERIOR AND EXTERIOR

Interior (Cont'd)



INTERIOR AND EXTERIOR

Interior (Cont'd)

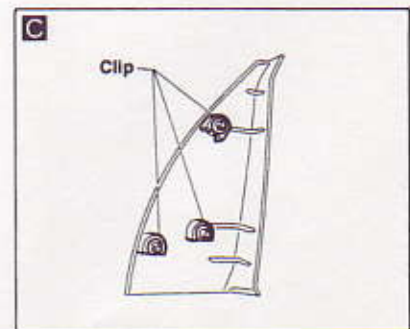
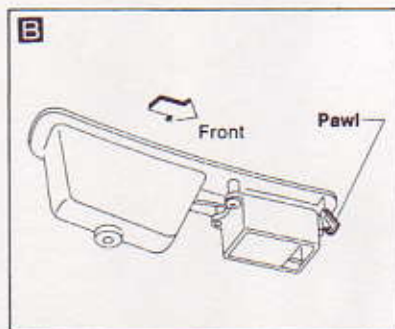
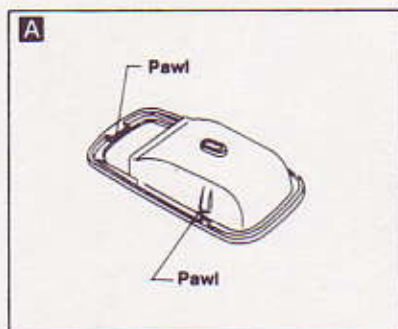
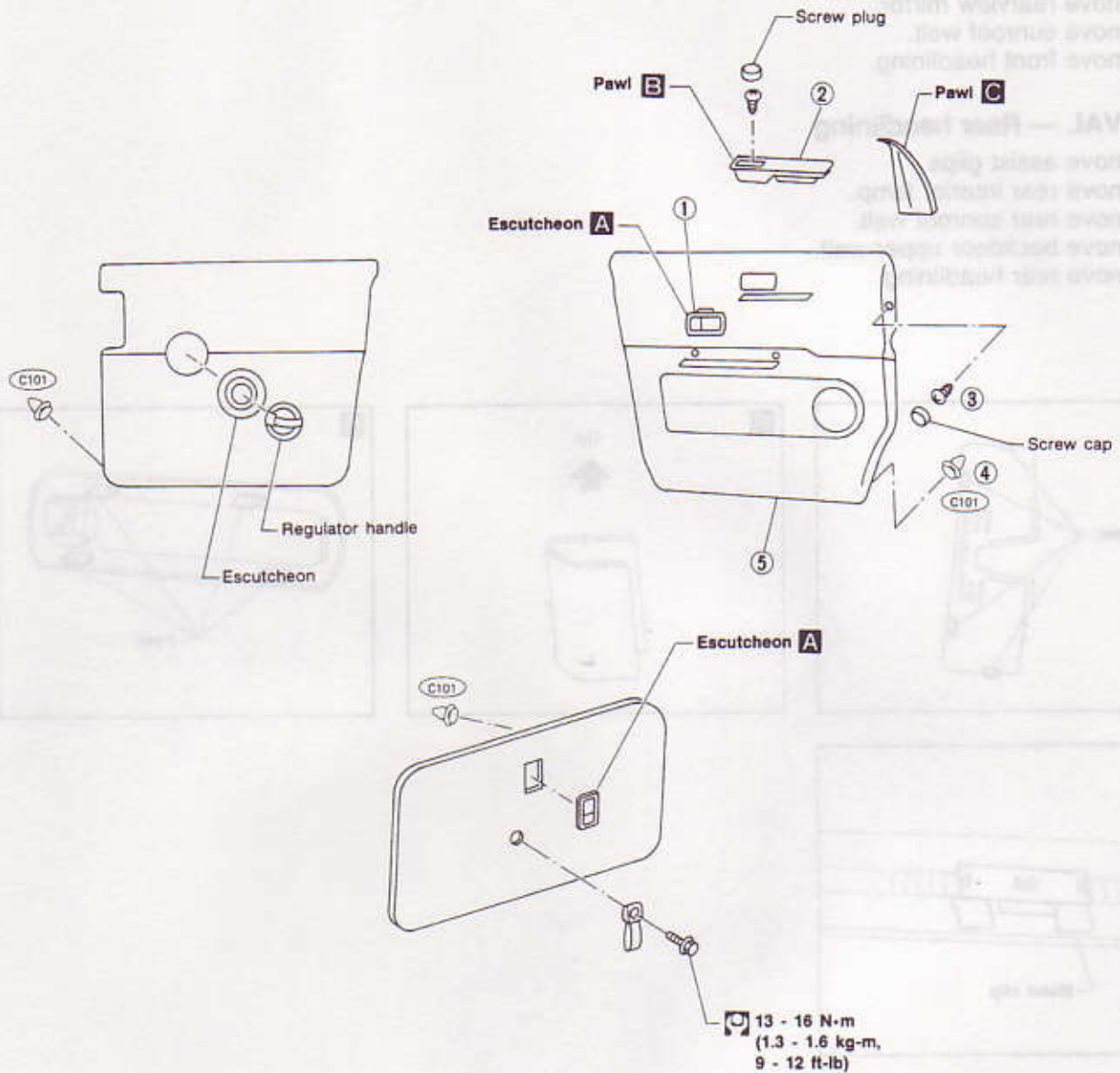


INTERIOR AND EXTERIOR

Interior (Cont'd)

DOOR TRIM REMOVAL — Door trim

- ① Remove inside handle escutcheon.
- ② Remove power window switch finisher.
- ③ Remove screws. (Front door only)
- ④ Remove clips securing door finisher.
- ⑤ Lift out door finisher. Disconnect main and door harnesses.



INTERIOR AND EXTERIOR

Interior (Cont'd)

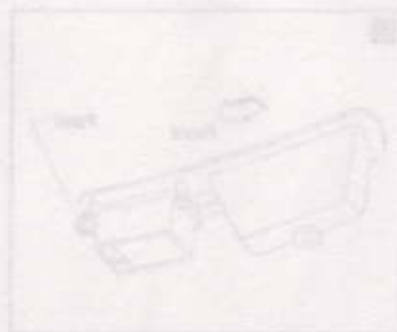
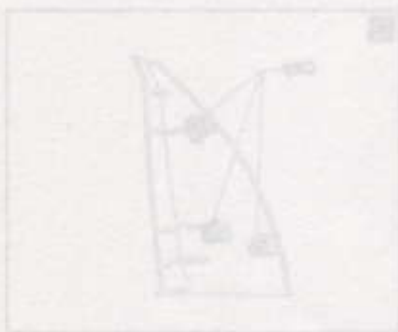
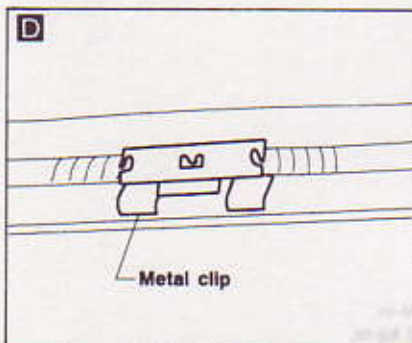
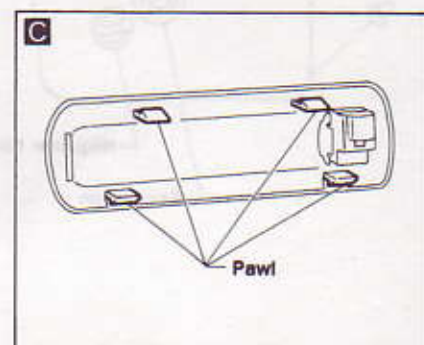
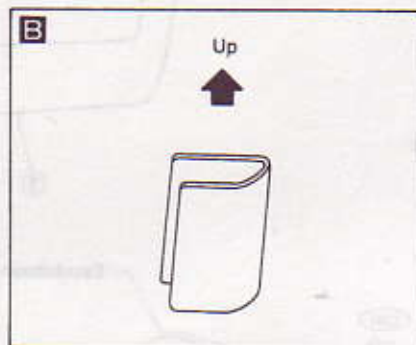
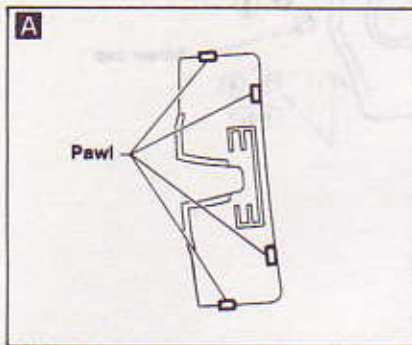
ROOM TRIM

REMOVAL — Front headlining

- ① Remove body side trim. Refer to "REMOVAL — Body side trim" for details.
- ② Remove left and right sunvisors and sunvisor hooks.
- ③ Remove sun roof switch and interior lamp.
- ④ Remove rear sun roof switch.
- ⑤ Remove rearview mirror.
- ⑥ Remove sunroof welt.
- ⑦ Remove front headlining.

REMOVAL — Rear headlining

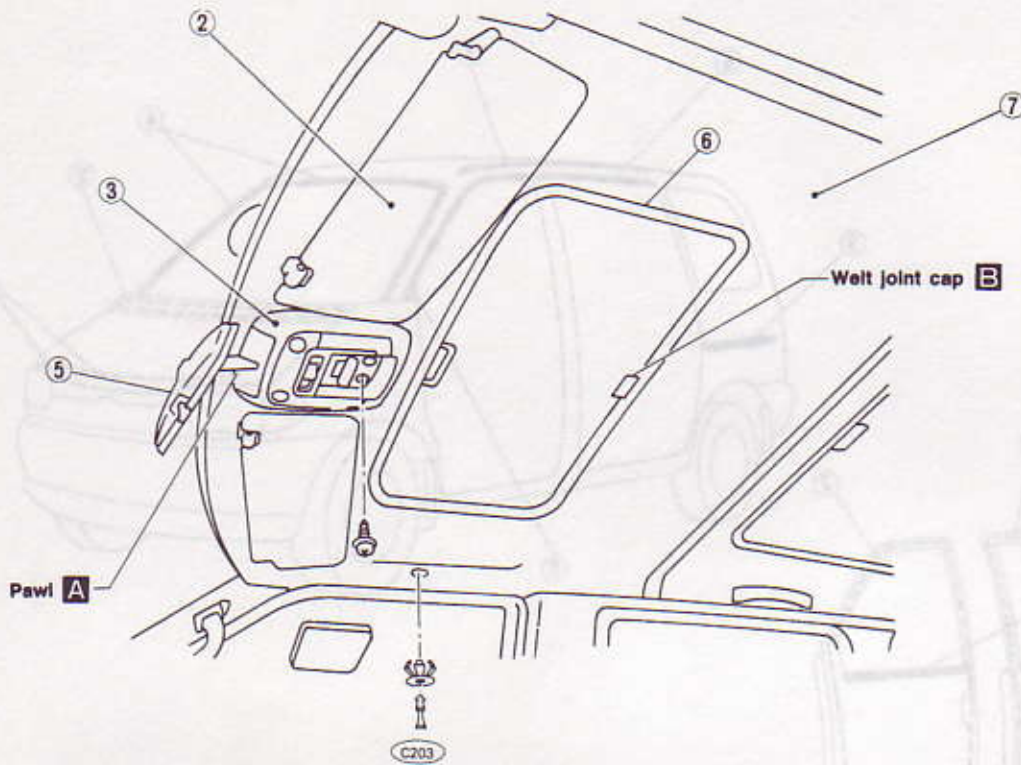
- ⑧ Remove assist glips.
- ⑨ Remove rear interior lamp.
- ⑩ Remove rear sunroof welt.
- ⑪ Remove backdoor upper welt.
- ⑫ Remove rear headlining.



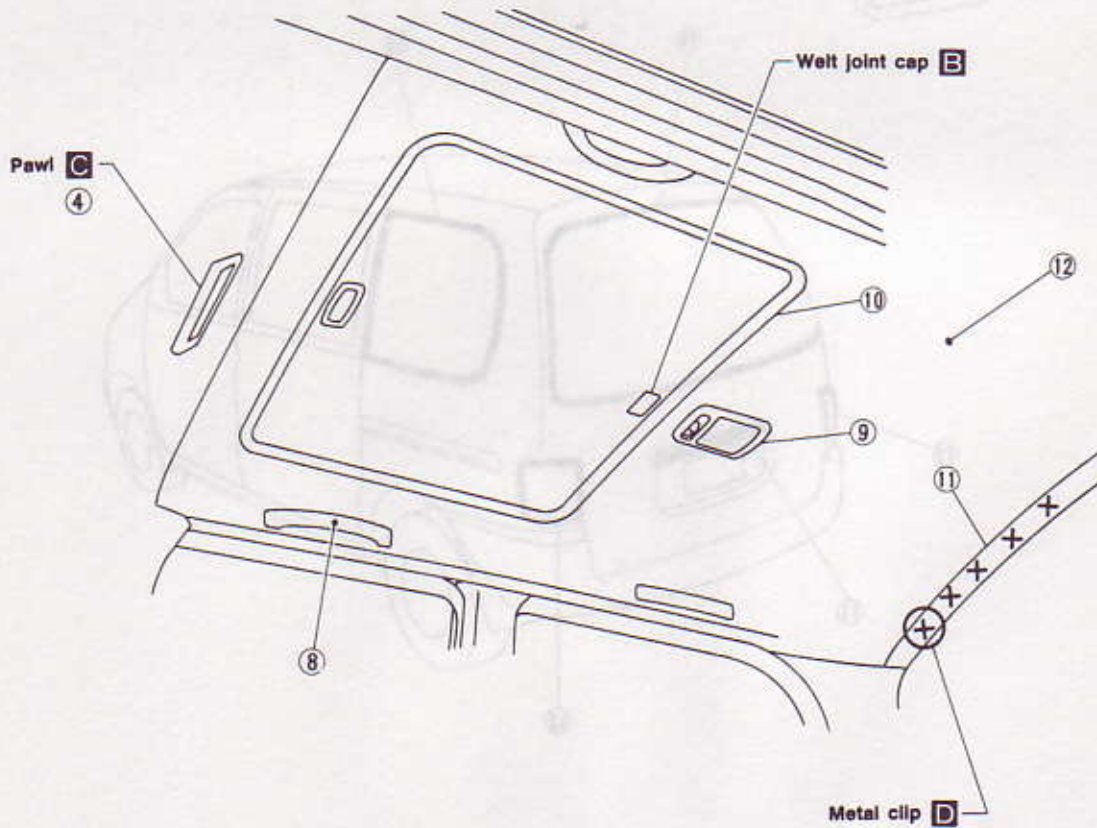
INTERIOR AND EXTERIOR

Interior (Cont'd)

Front headlining

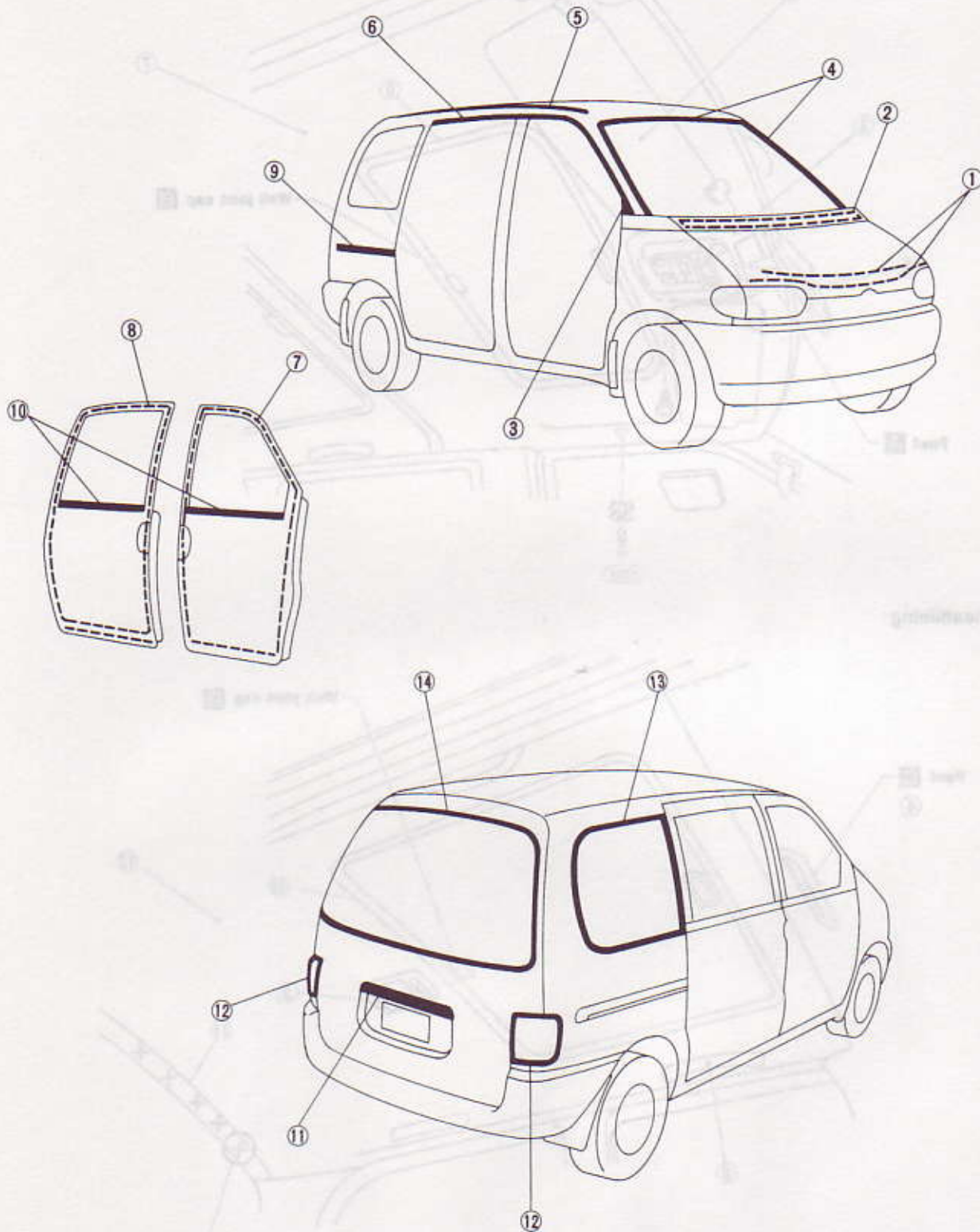


Rear headlining



INTERIOR AND EXTERIOR

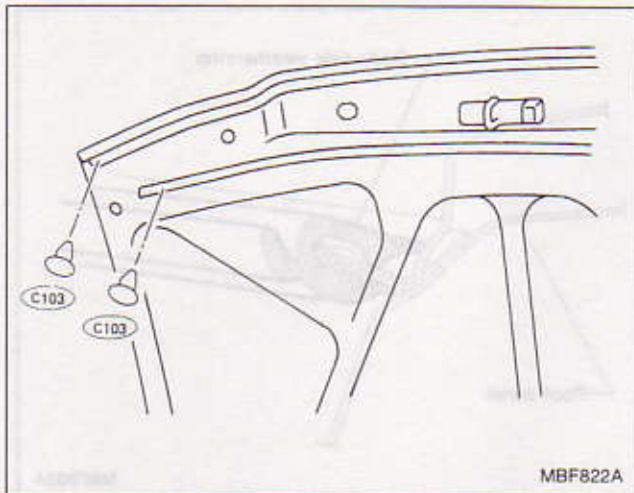
Exterior (Cont'd)



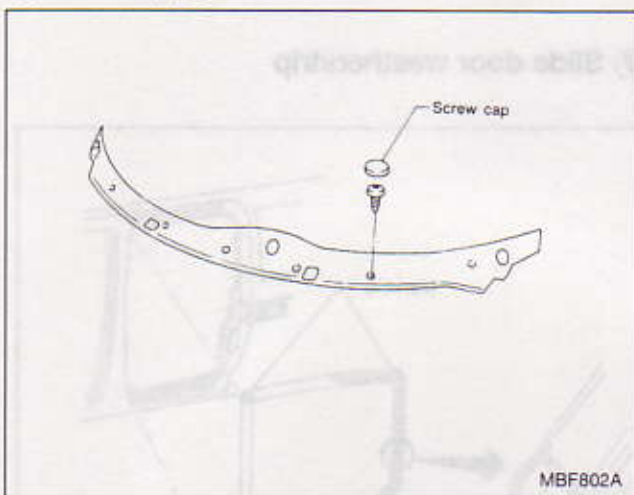
INTERIOR AND EXTERIOR

Exterior (Cont'd)

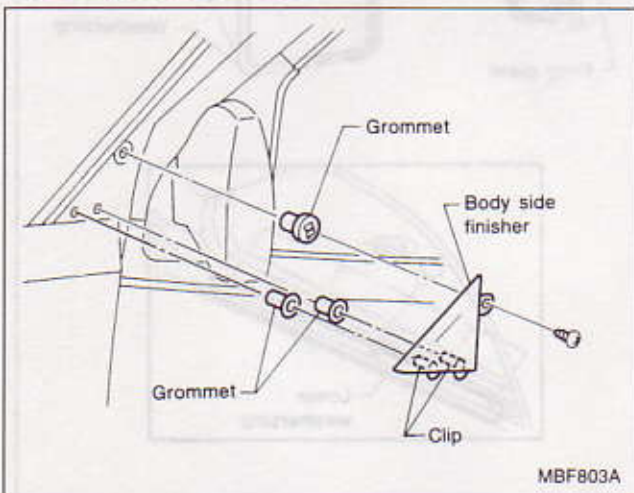
① Hood front seal



② Cowl top grille



③ Body side finisher



④ Windshield upper molding and side molding

Method 1

Cut off top portion of molding and clean glass and panel surfaces.



Apply sealant to top portion of molding.



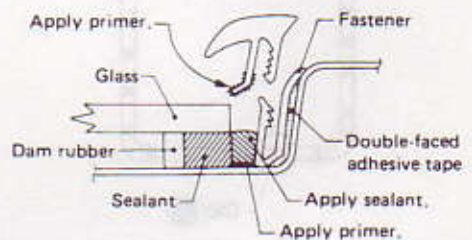
Cut off lower portion of new molding.



Finish well to give it a good appearance.

Method 2

1. Cut off sealant at glass end.
2. Clean the side on which panel was mounted.
3. Set molding fastener and apply sealant to body panel, and apply primer to molding and body.



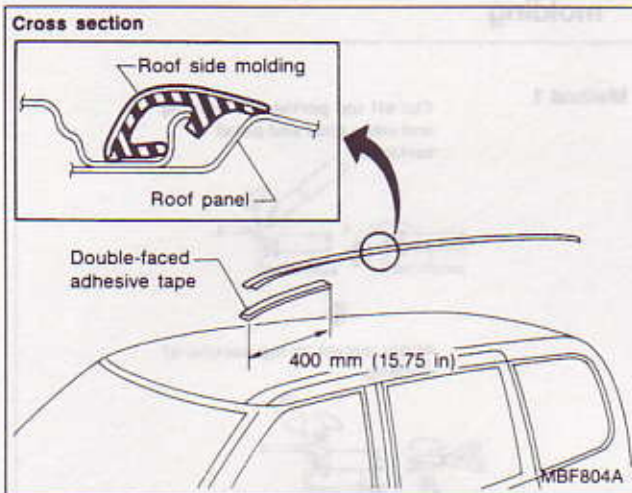
4. Install molding by aligning the molding mark located on center with vehicle center. Be sure to install tightly so that there is no gap around the corner.

SBF161E

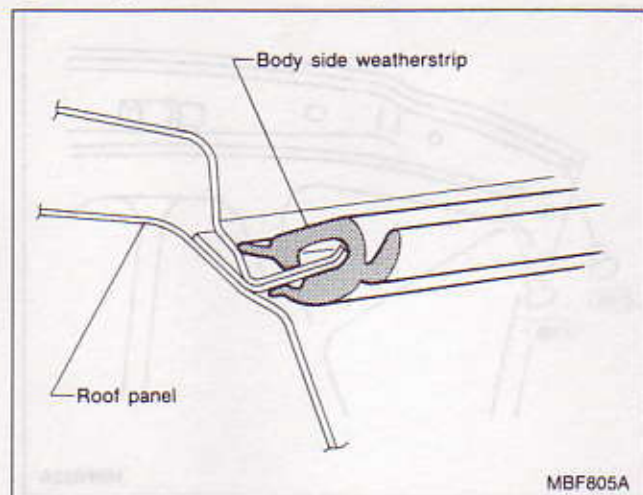
INTERIOR AND EXTERIOR

Exterior (Cont'd)

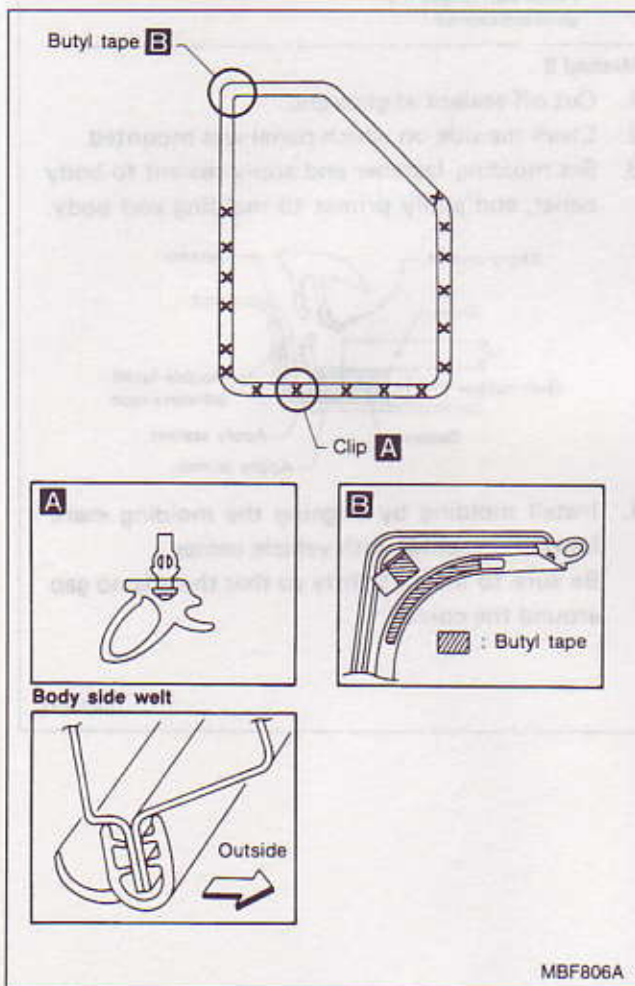
⑤ Roof side molding



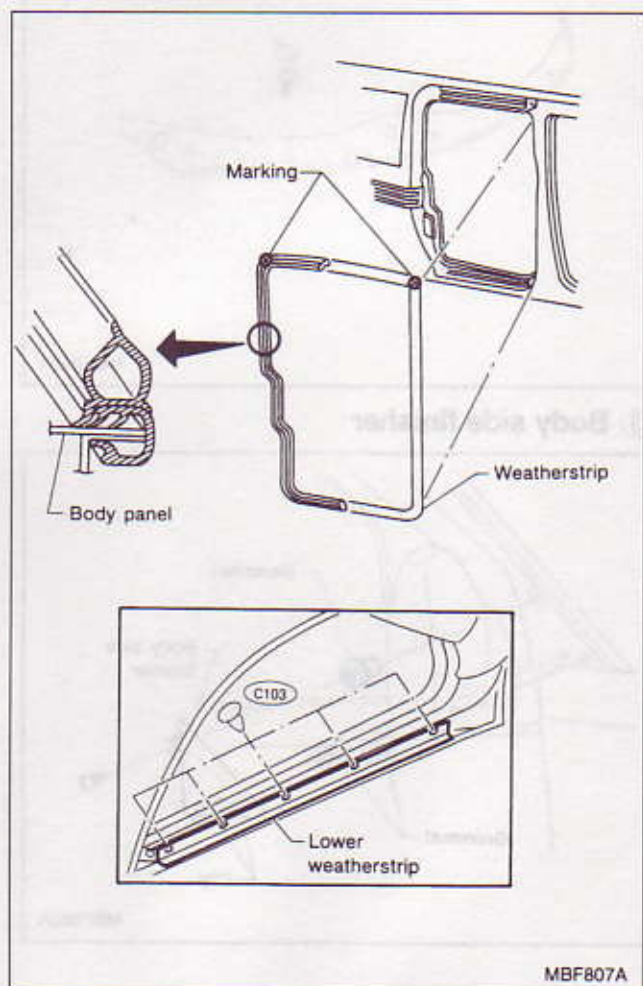
⑥ Body side weatherstrip



⑦ Front door weatherstrip and body side welt



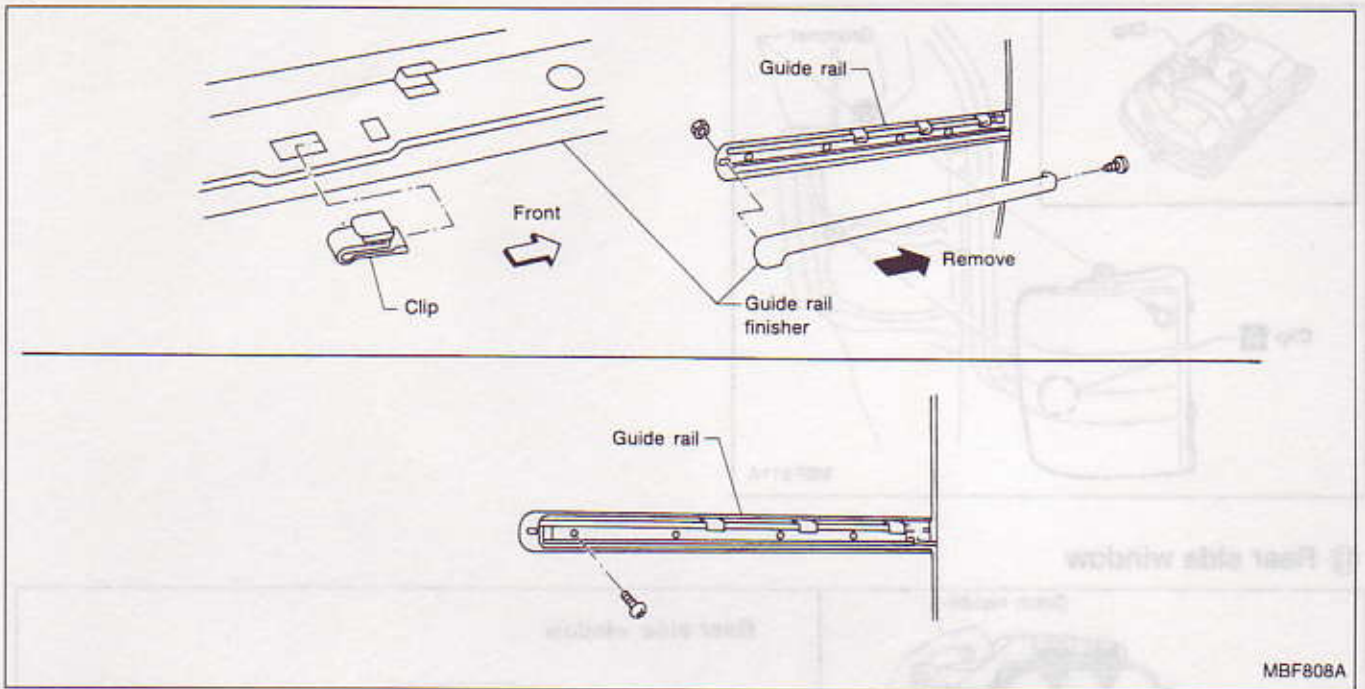
⑧ Slide door weatherstrip



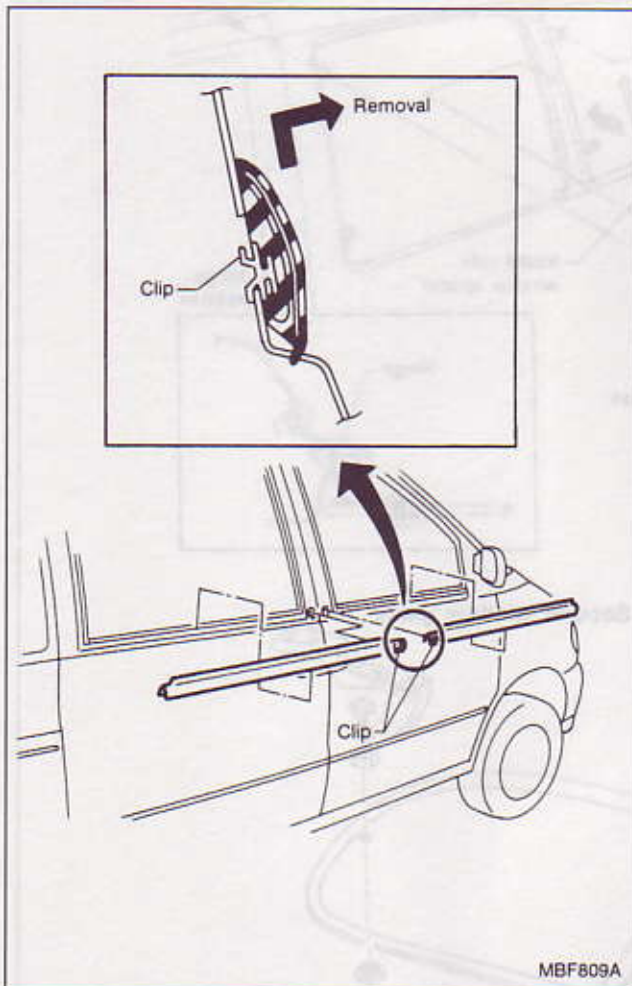
INTERIOR AND EXTERIOR

Exterior (Cont'd)

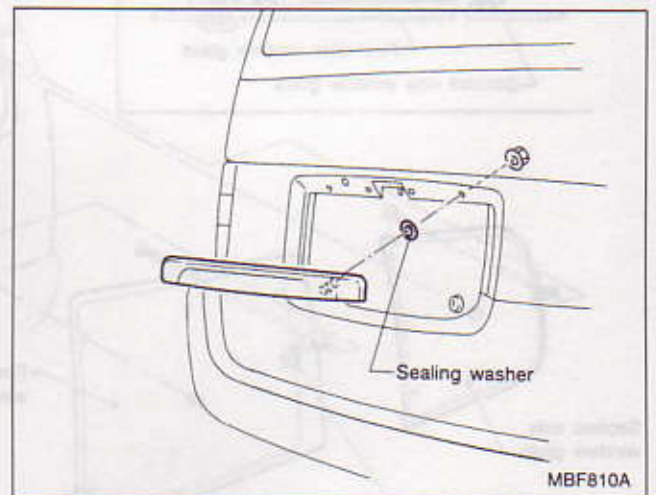
⑨ Guide rail finisher



⑩ Door waist outside molding



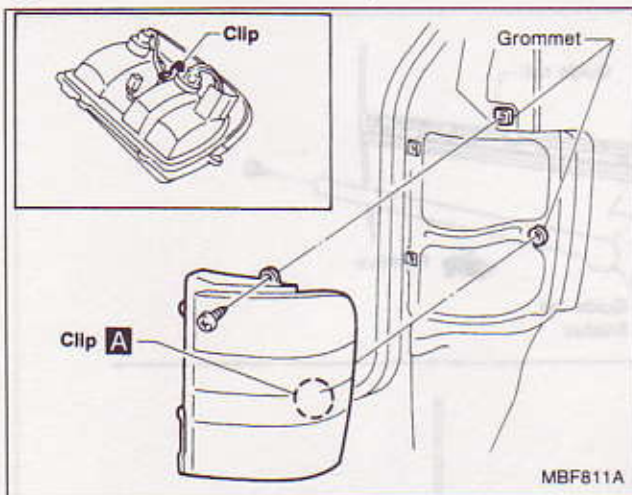
⑪ Back door panel finisher



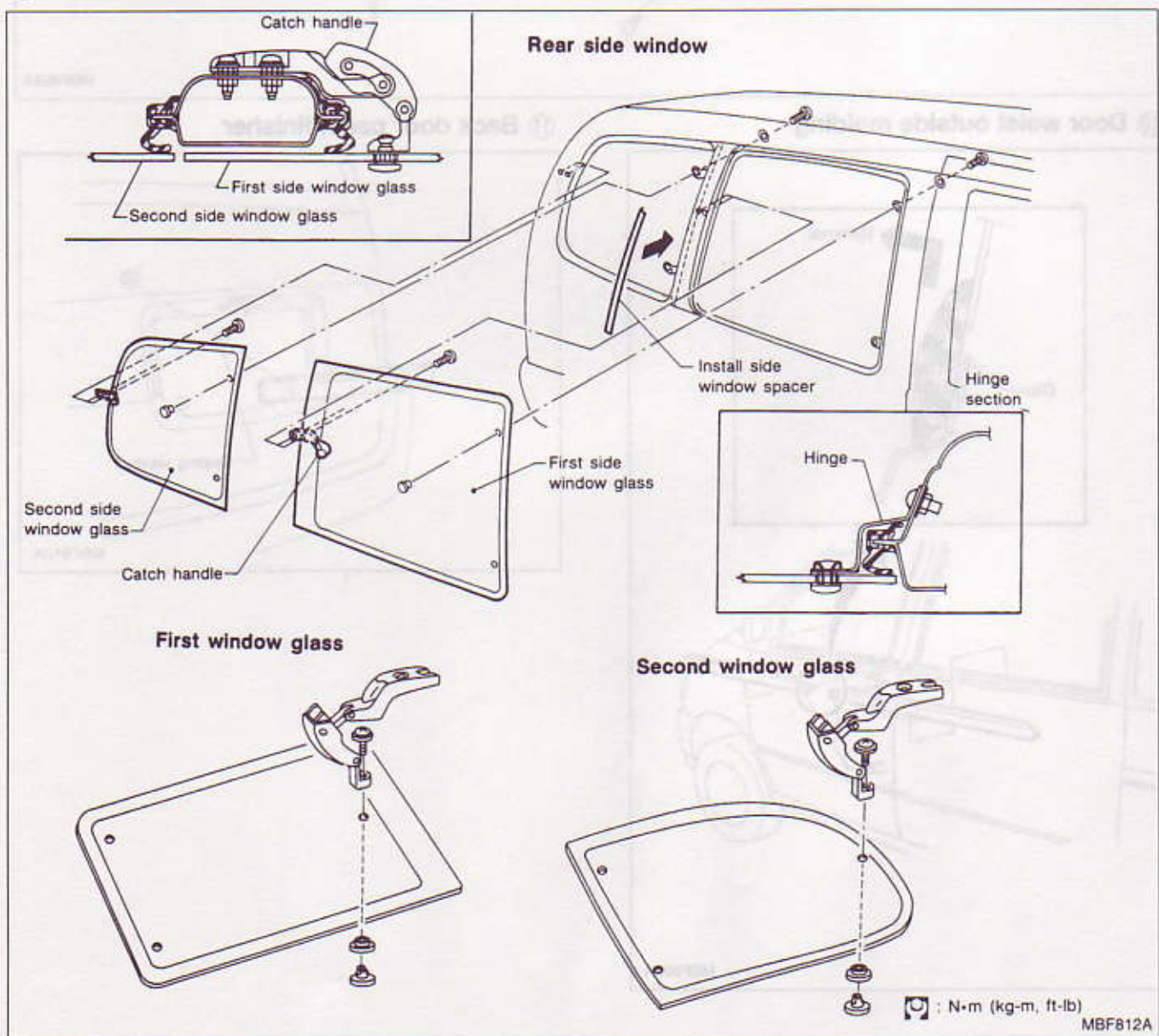
INTERIOR AND EXTERIOR

Exterior (Cont'd)

12 Rear combination lamp



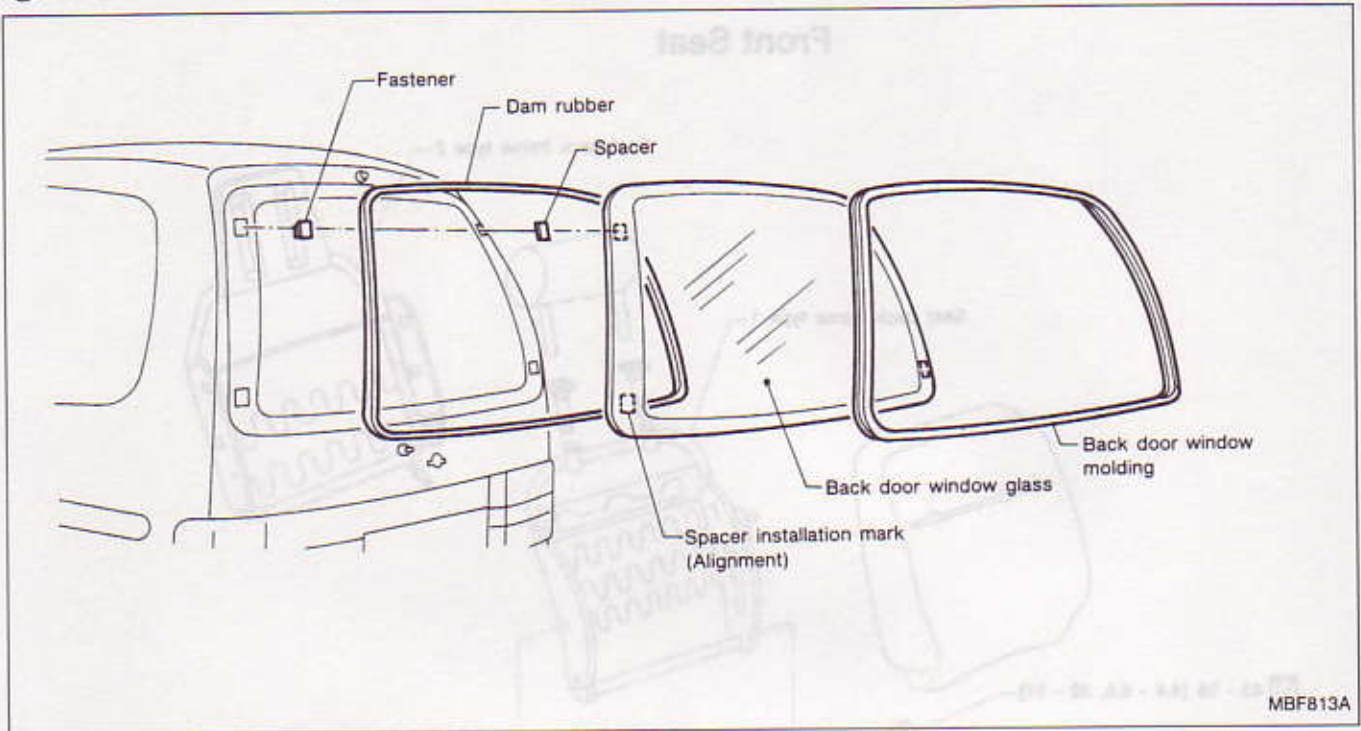
13 Rear side window



INTERIOR AND EXTERIOR

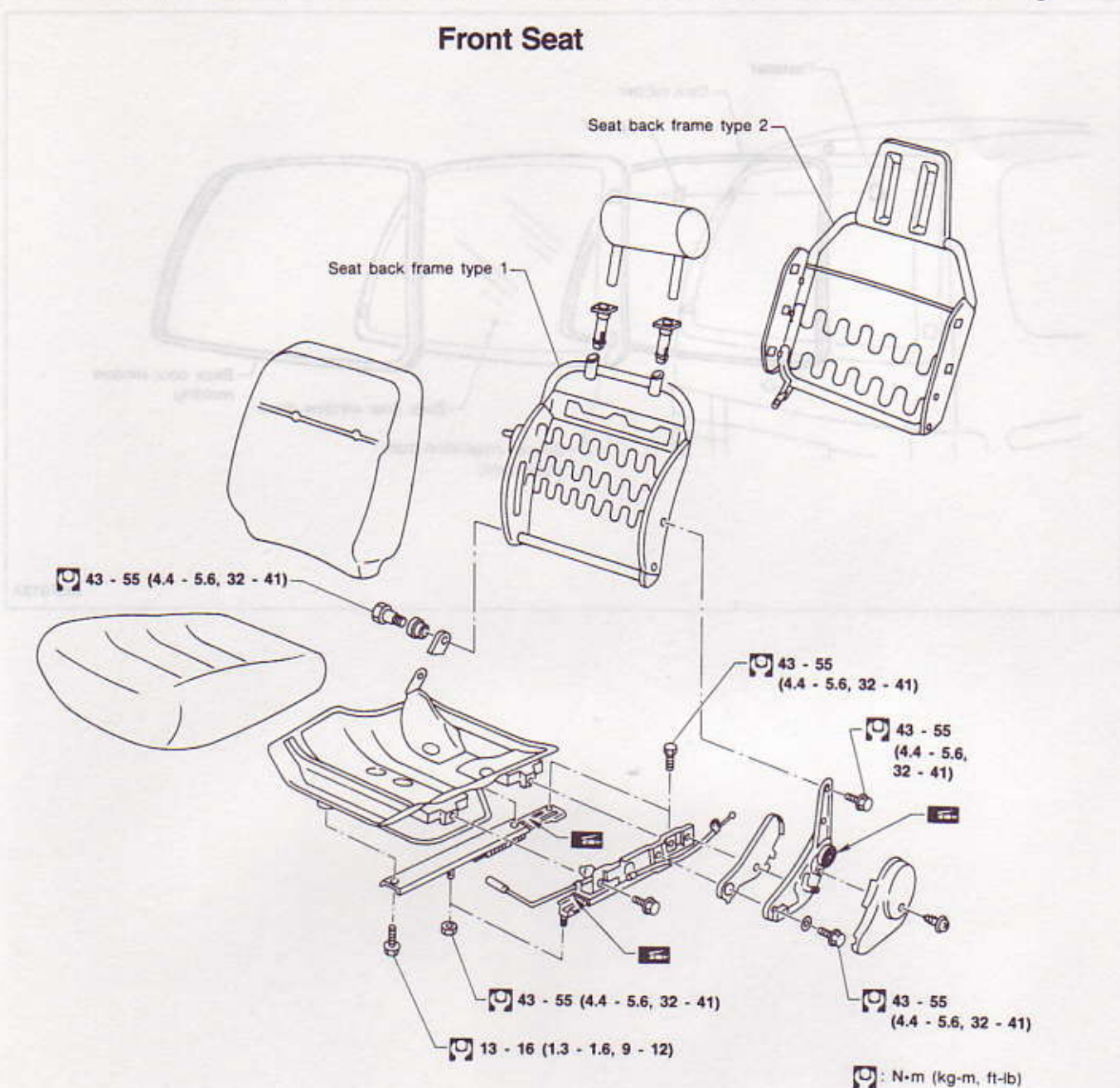
Exterior (Cont'd)

⑭ Back door window glass



- When removing or installing the seat trim, handle carefully to keep dirt out and avoid damage.

Front Seat

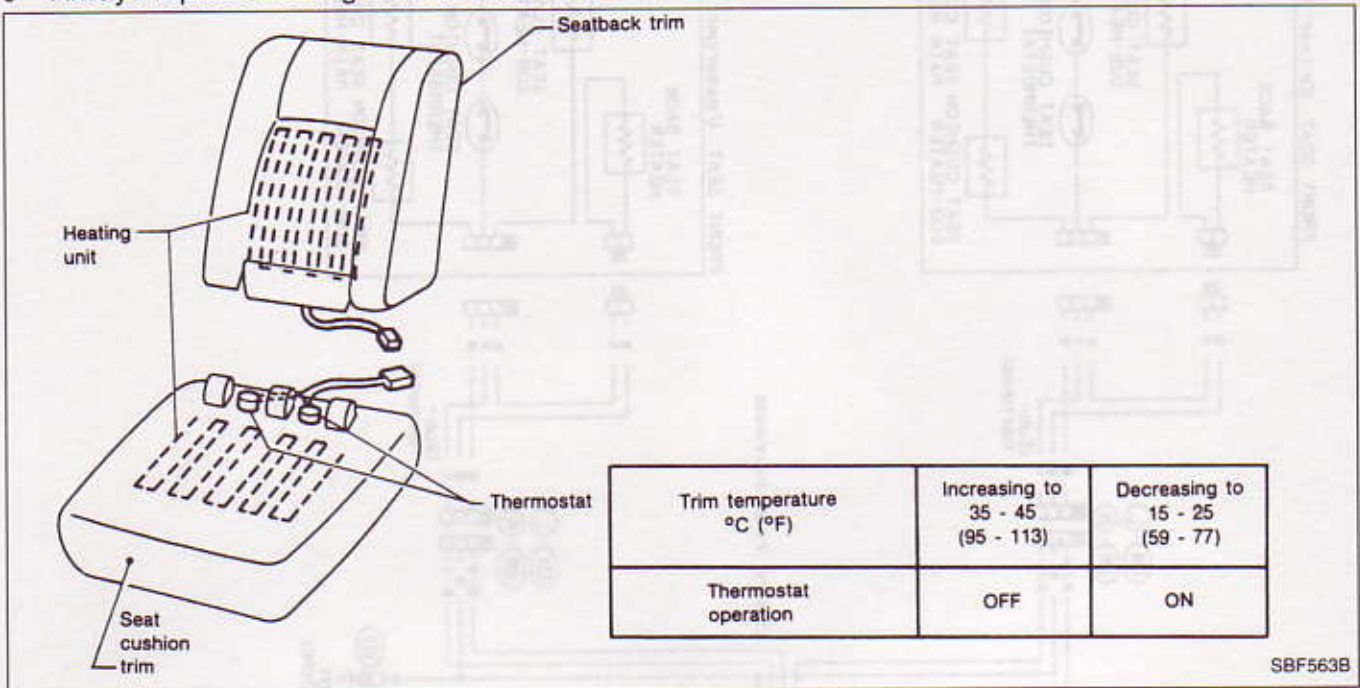


SEAT

Front Seat (Cont'd)

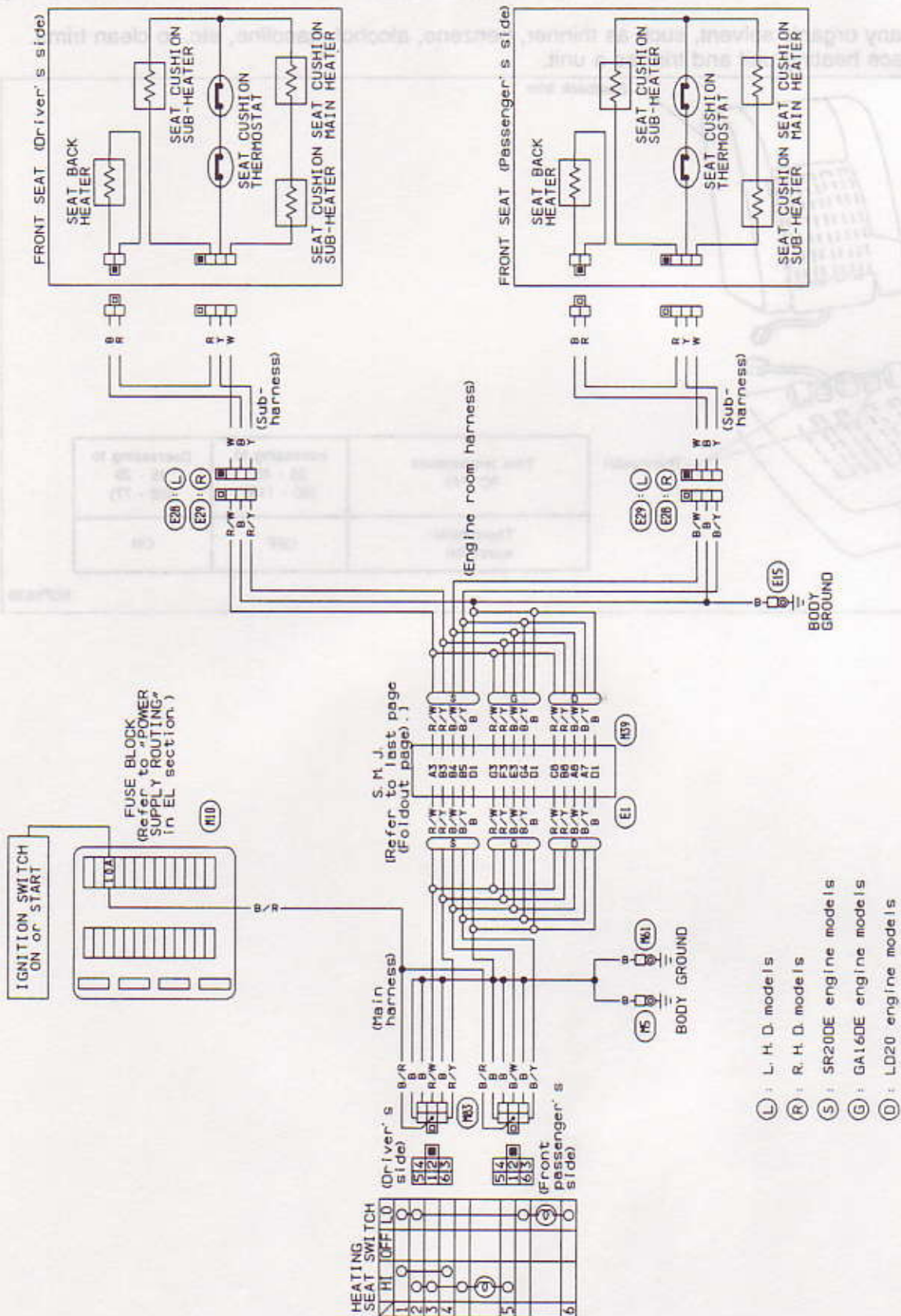
HEATING SEAT/THERMOSTAT

- Heating unit is unitized with trim. When handling trim, be extremely careful not to scratch heating unit.
- Do not use any organic solvent, such as thinner, benzene, alcohol, gasoline, etc. to clean trims.
- Always replace heating unit and trim as a unit.



SEAT Front Seat (Cont'd)

WIRING DIAGRAM

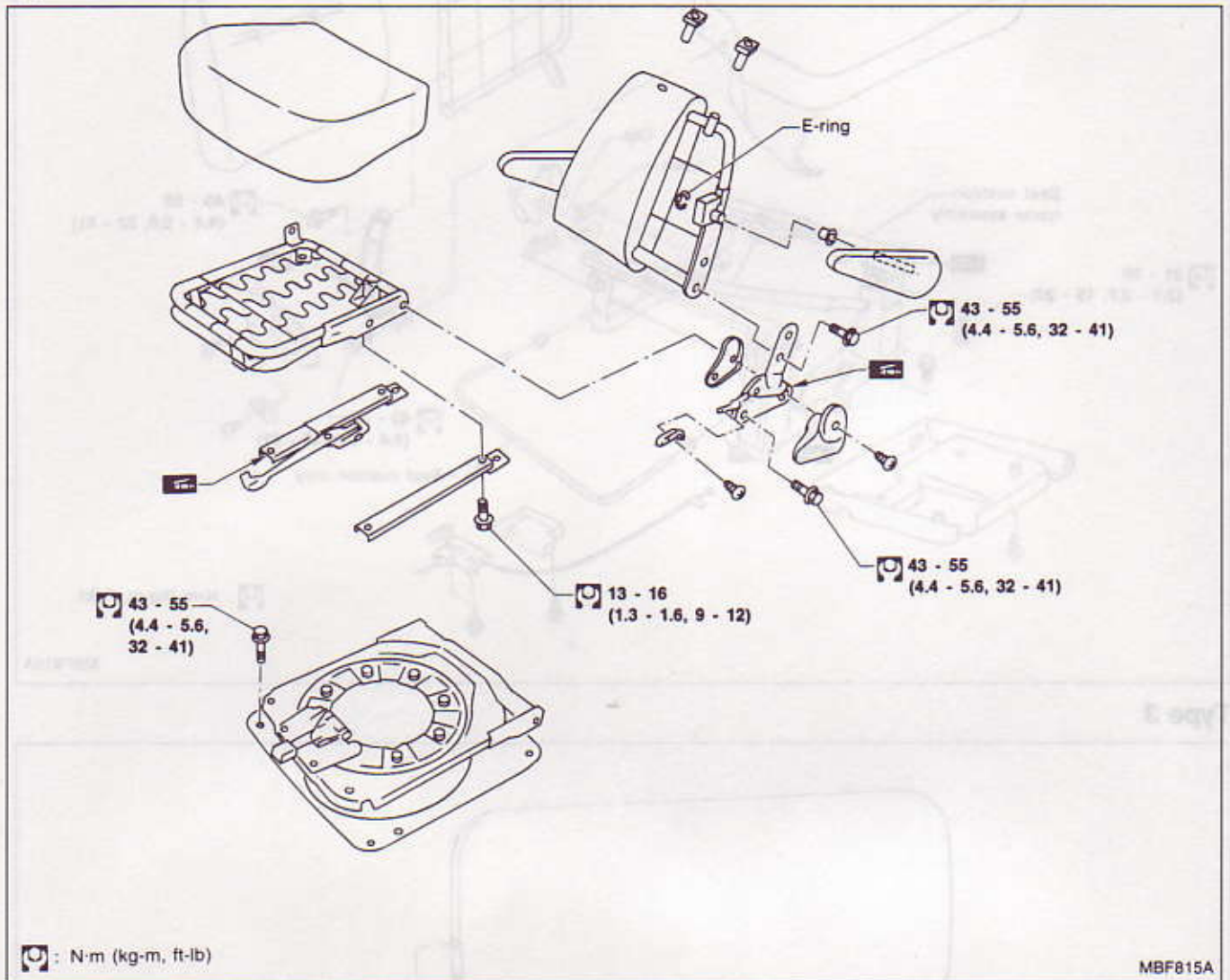


SEAT

- When removing or installing the seat trim, handle carefully to keep dirt out and avoid damage.

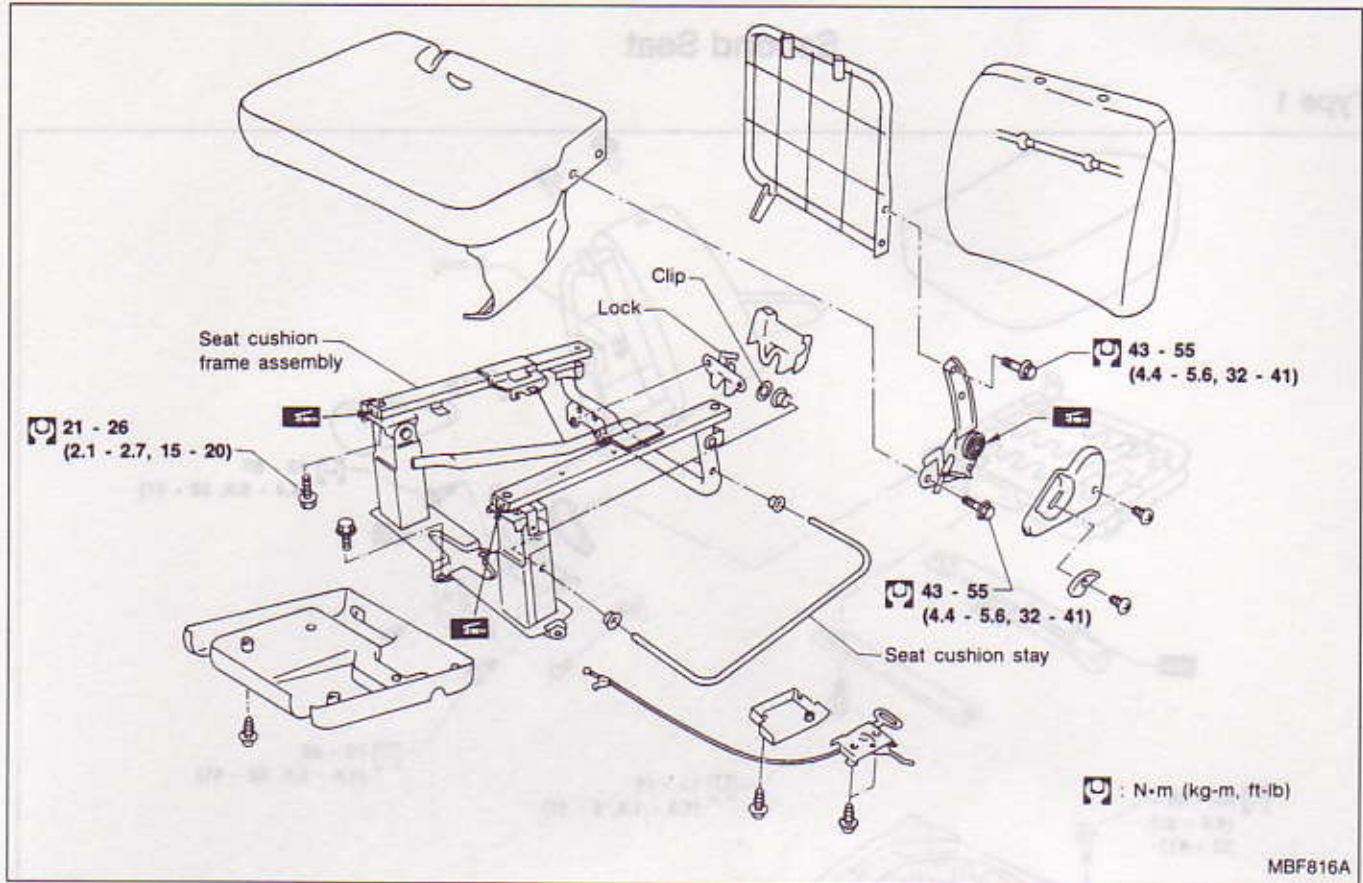
Second Seat

Type 1

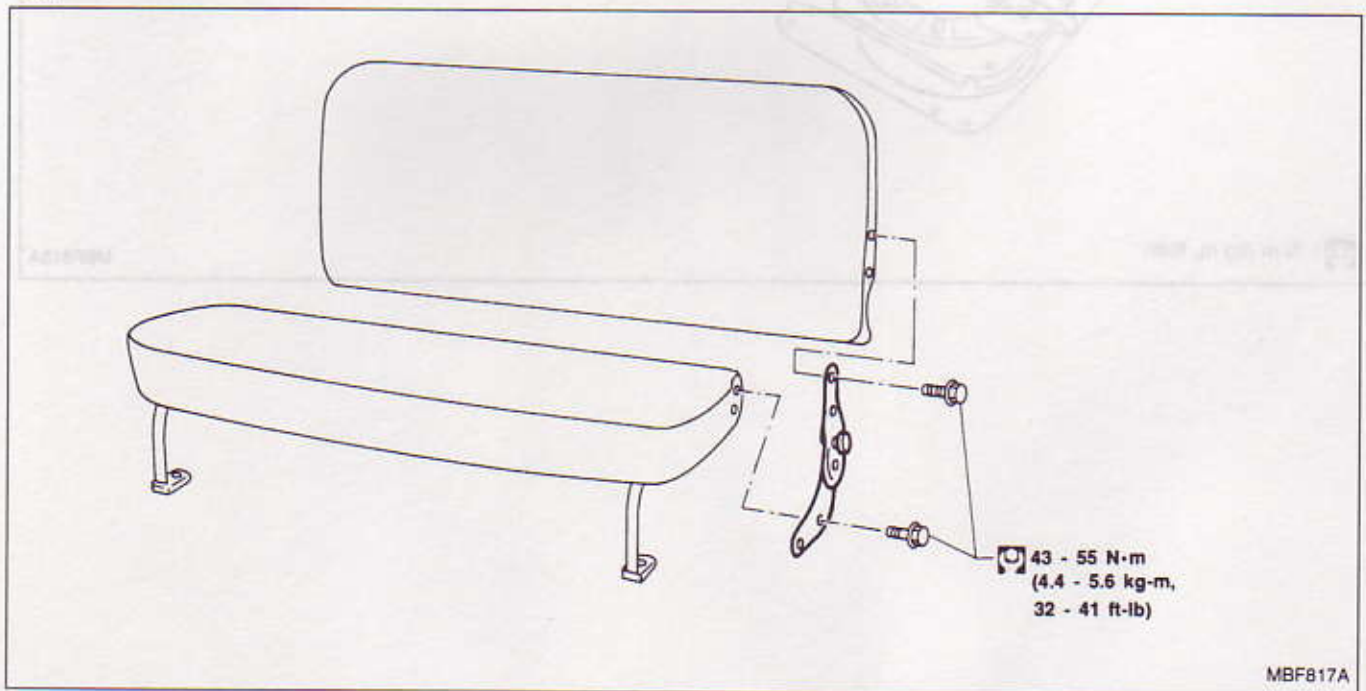


SEAT Second Seat (Cont'd)

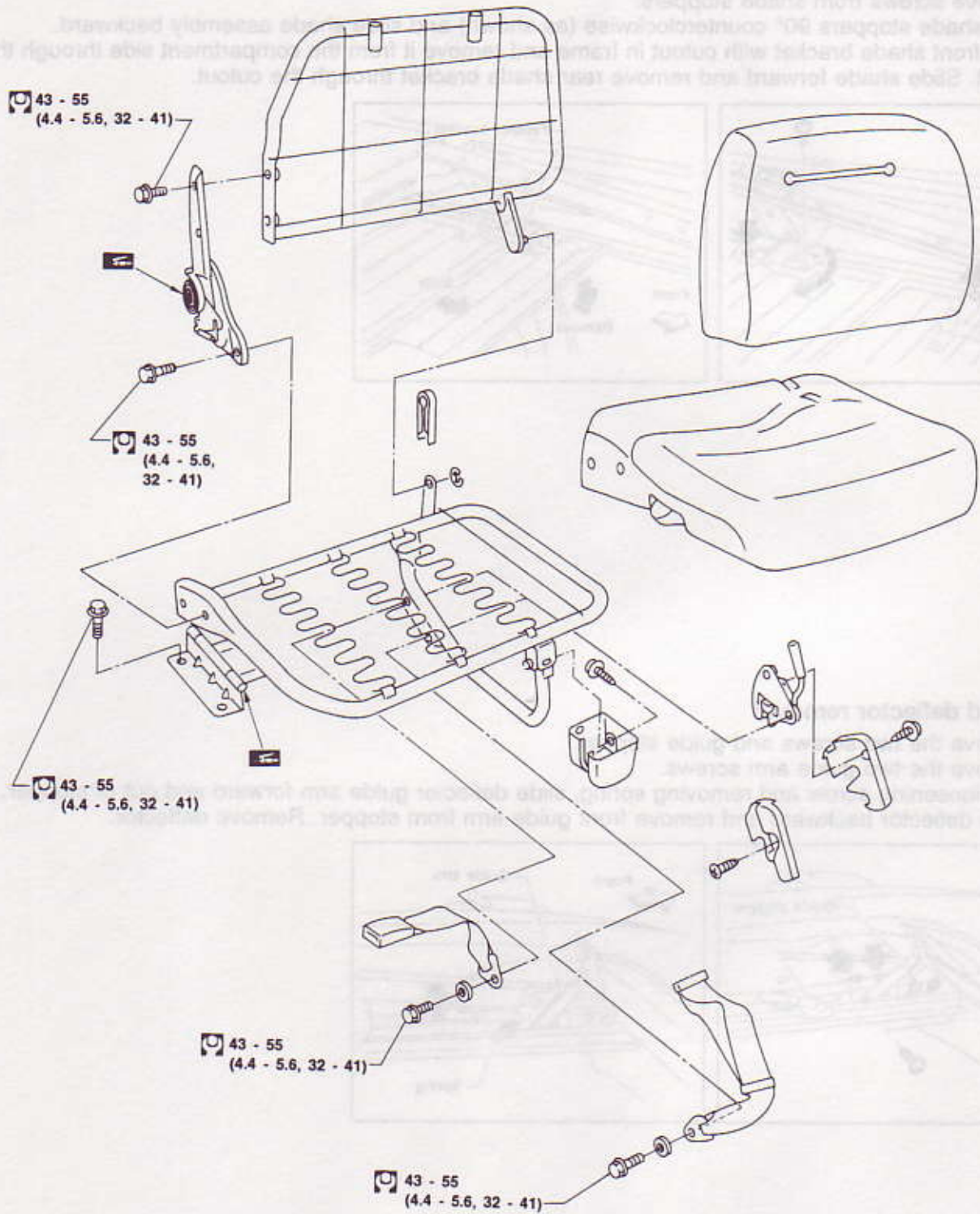
Type 2



Type 3



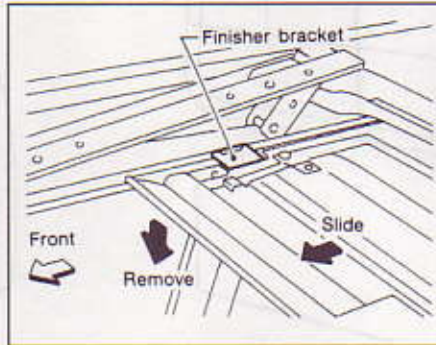
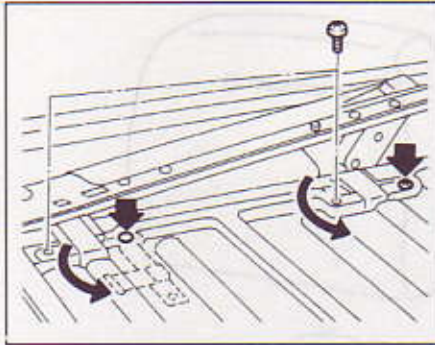
Third Seat



SUNROOF

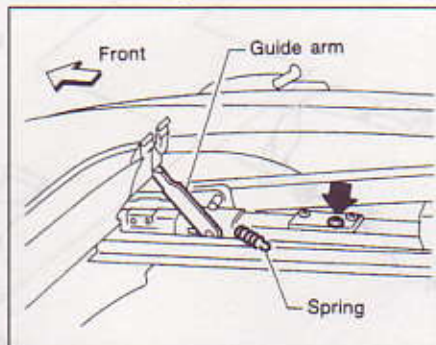
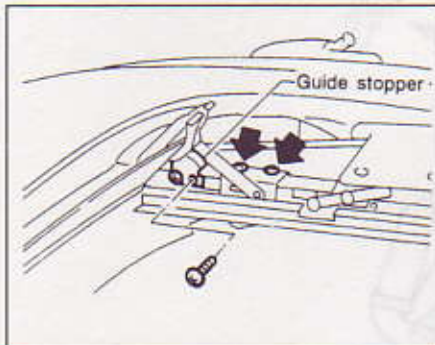
A Finisher assembly removal

- Loosen shade stopper screw from outside of body.
- Remove screws from shade stoppers.
- Turn shade stoppers 90° counterclockwise (as shown) and slide shade assembly backward.
- Align front shade bracket with cutout in frame and remove it from the compartment side through the cutout. Slide shade forward and remove rear shade bracket through the cutout.



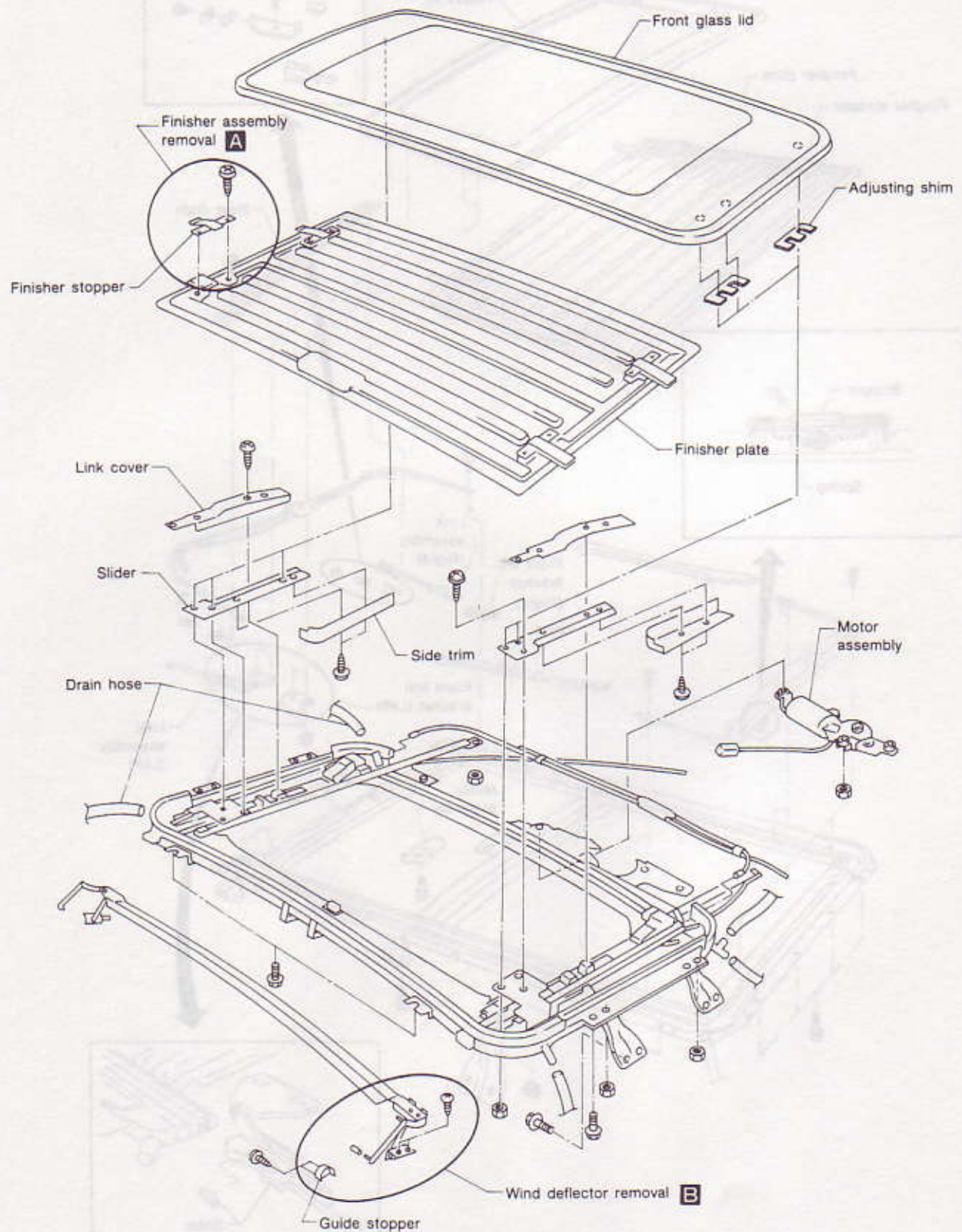
B Wind deflector removal

- Remove the two screws and guide stopper.
- Remove the two guide arm screws.
- After loosening screw and removing spring, slide deflector guide arm forward and out of stopper.
- Move deflector backward and remove front guide arm from stopper. Remove deflector.



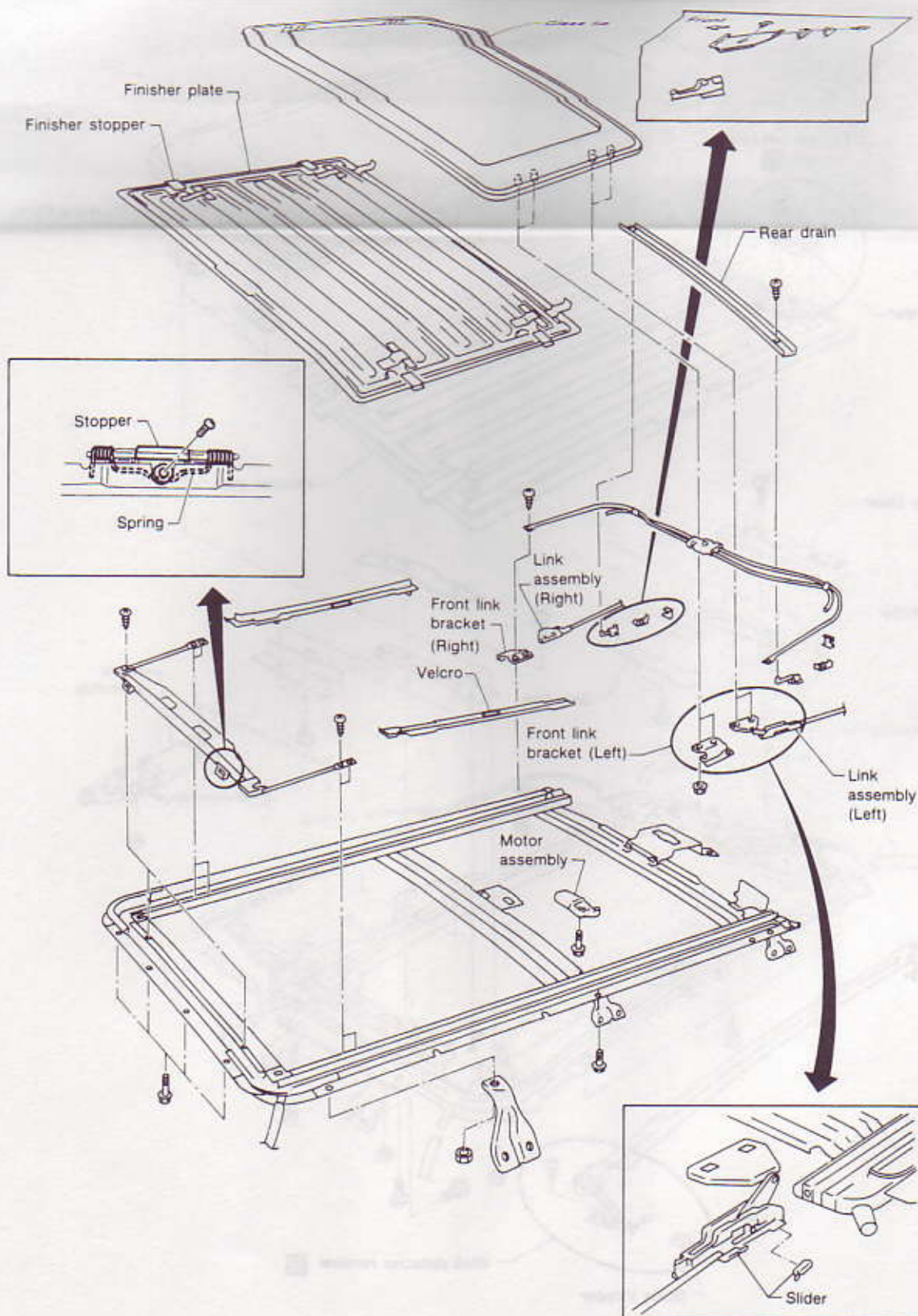
SUNROOF

Front



SUNROOF

Rear



SBF453G

SUNROOF

Rear (Cont'd)

- After any adjustment, check sunroof operation and lid alignment.
- Handle finisher plate and glass lid with care so not to cause damage.
- It is desirable for easy installation to mark each point before removal.

CAUTION:

- a. Always work with a helper.
- b. Remove sunroof frame from rear door opening.

Front and Rear

REMOVAL — Sunroof lid assembly

- ① Open sunroof shade.
- ② Tilt-up front sunroof, close rear sunroof lid.
- ③ Remove side trim.
- ④ Remove the six nuts securing sunroof lid assembly to link assembly.

REMOVAL — Shade assembly

- ⑤ After removing sunroof lid assembly, remove screws securing rear drains to roof.
- ⑥ Remove rear drain (Rear sunroof). Close sunroof shade (Front sunroof).
- ⑦ Remove shade assembly.

REMOVAL — Sunroof assembly

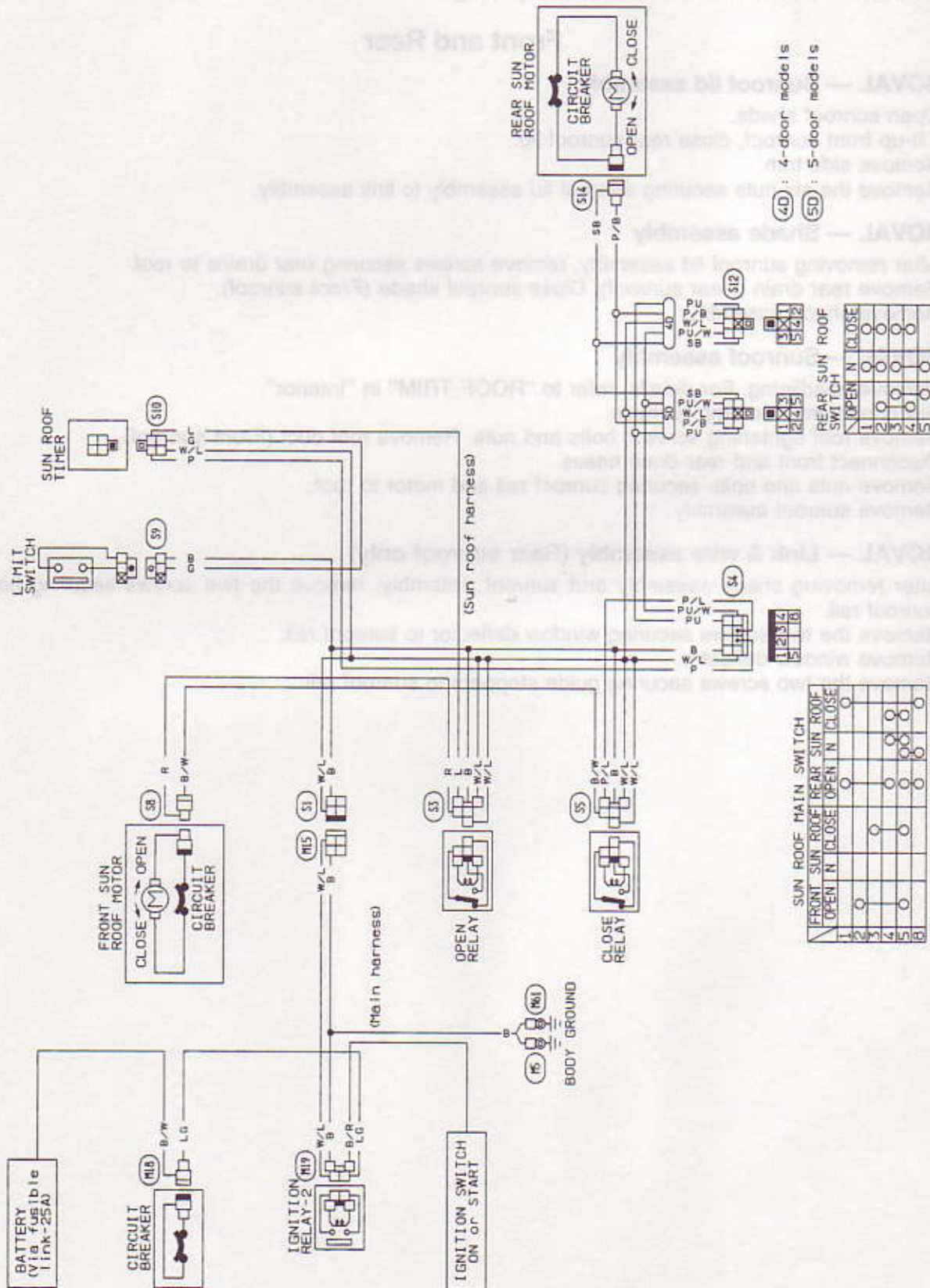
- ⑧ Remove headlining. For details, refer to "ROOF TRIM" in "Interior".
- ⑨ Disconnect interior lamp harness.
- ⑩ Remove roof tightening screws, bolts and nuts. Remove roof duct (Front sunroof).
- ⑪ Disconnect front and rear drain hoses.
- ⑫ Remove nuts and bolts securing sunroof rail and motor to roof.
- ⑬ Remove sunroof assembly.

REMOVAL — Link & wire assembly (Rear sunroof only)

- ⑭ After removing shade assembly and sunroof assembly, remove the two screws securing holders to sunroof rail.
- ⑮ Remove the two screws securing window deflector to sunroof rail.
- ⑯ Remove window deflector.
- ⑰ Remove the two screws securing guide stoppers to sunroof rail.

SUNROOF

Wiring Diagram



WINDSHIELD AND WINDOWS

REMOVAL

After removing moldings, remove glass.



CAUTION:

Be careful not to scratch glass when removing.

Windshield

INSTALLATION

- Use genuine Nissan Sealant kit or equivalent. Follow instructions furnished with it.
- After installation, the vehicle should remain stationary for about 24 hours.

WARNING:

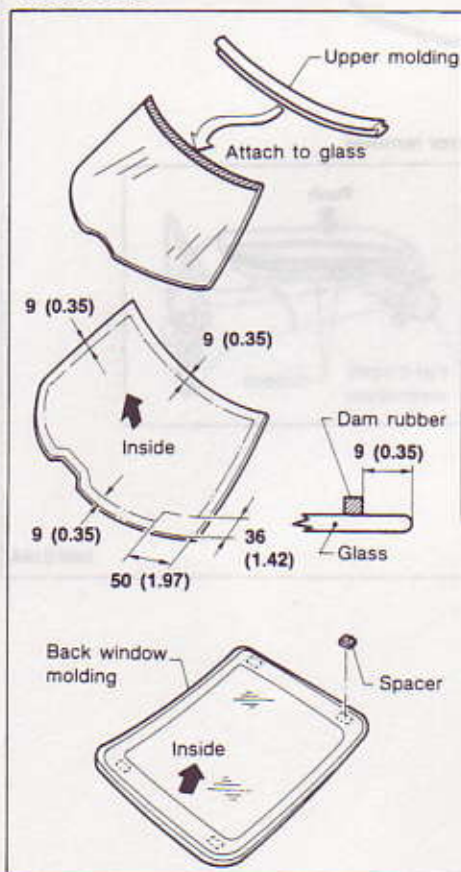
Keep heat or open flames away as primers are flammable.

CAUTION:

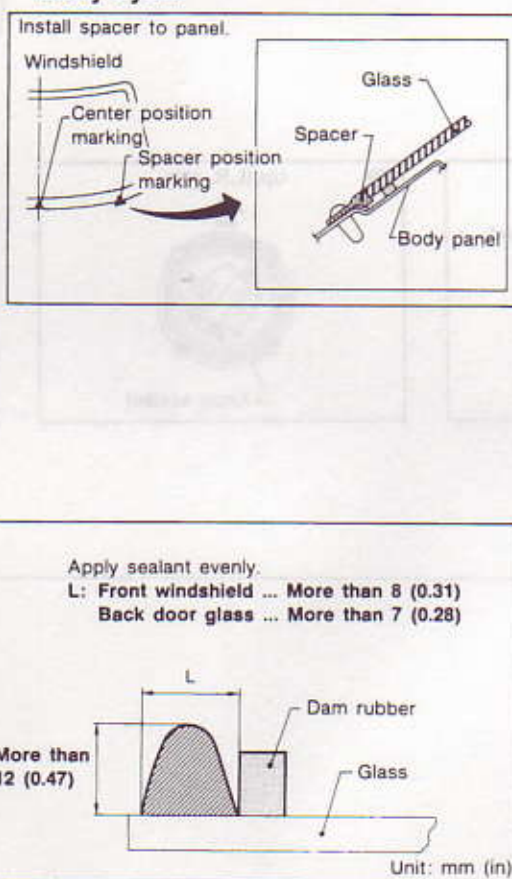
Advise the user of the fact that vehicle should not be driven on rough roads or surfaces until sealant has properly vulcanized.

- Do not use sealant which is past its usable term.
- Keep primers and sealant in a cool, dry place. Ideally, they should be stored in a refrigerator.
- Windshield glass should be installed within 15 minutes of applying sealant: sealant starts to harden 15 minutes after it is applied.
- Molding must be installed securely so that it is in position and leaves no gap.

Glass side



Body side



MBF823A

REPAIRING WATER LEAKS FOR WINDSHIELD

Leaks can be repaired without removing and reinstalling glass.

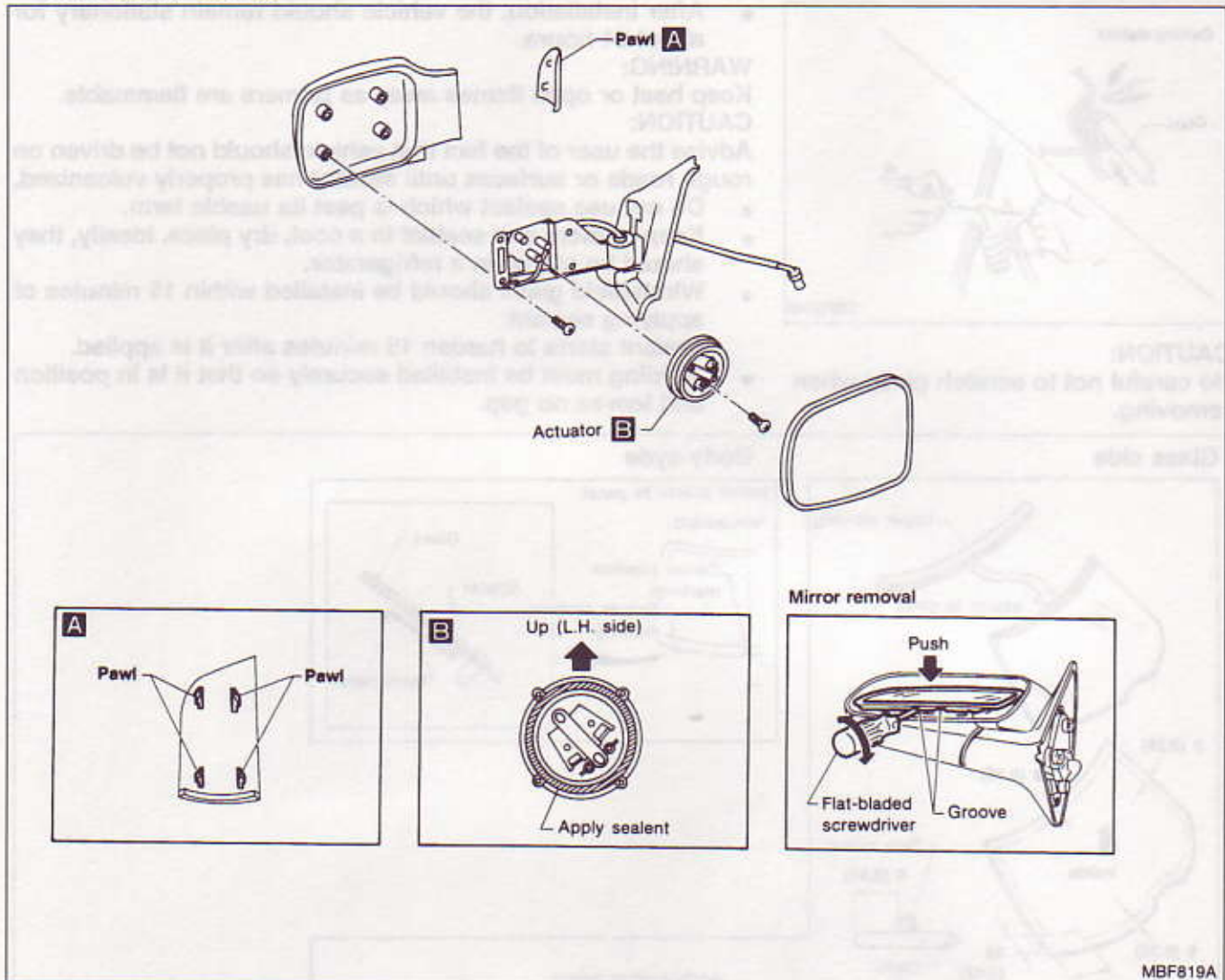
If water is leaking between caulking material and body or between glass and caulking material, determine the extent of the leak by applying water while pushing glass outward.

To stop the leak, apply primer (if necessary) and then sealant to the leak point.

Door Mirror

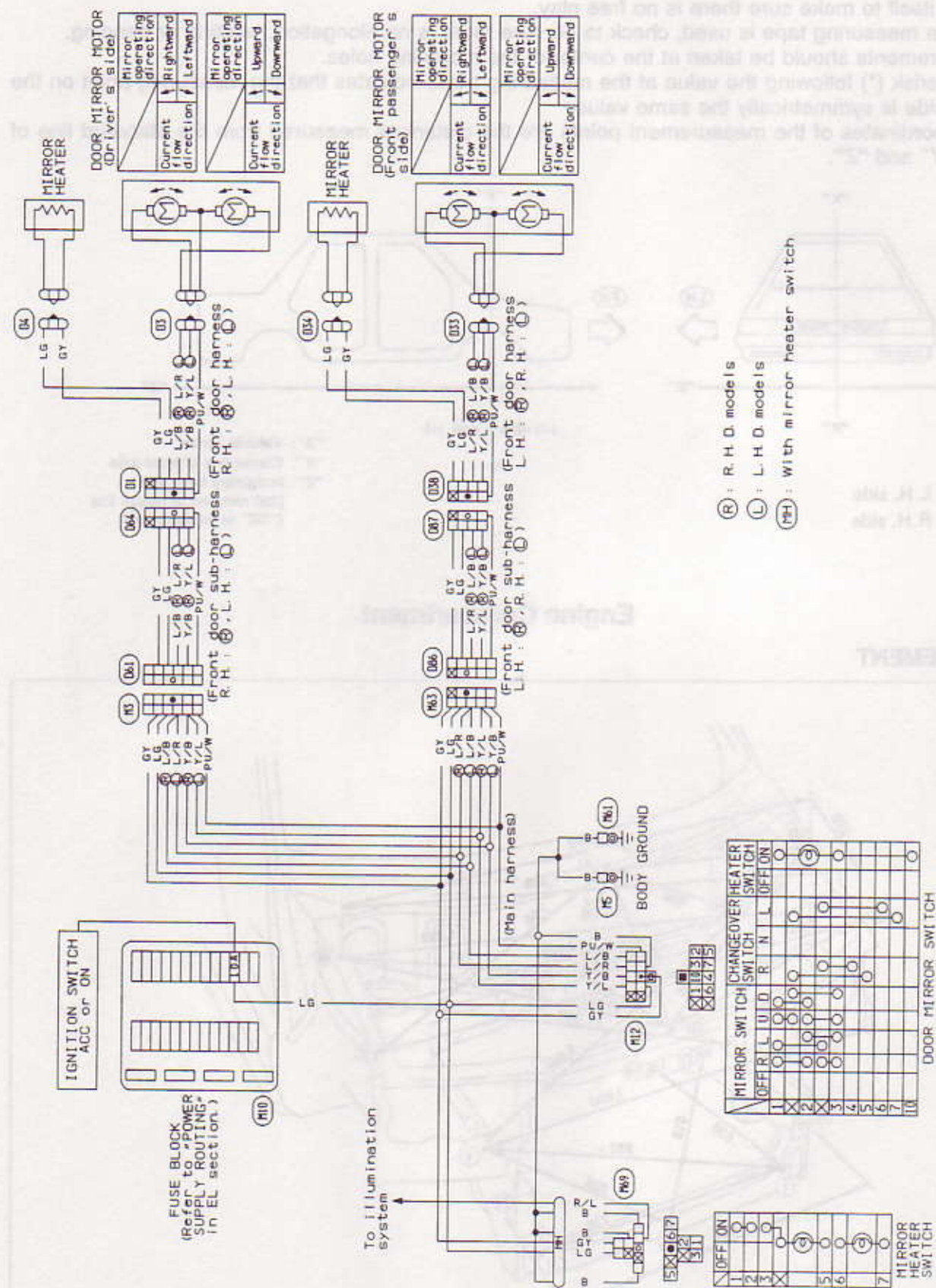
REMOVAL

- Wrap flat-bladed screwdriver with a cloth to prevent scratching rear of door mirror. Do not insert screwdriver too far.



Door Mirror (Cont'd)

WIRING DIAGRAM



-
- "X": Vehicle center
 "Y": Center line of front axle
 "Z": Imaginary base line
 [350 mm below datum line
 ("OZ" at design plan)]

[illegible]

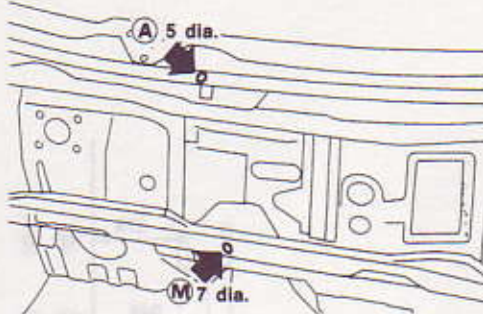
BODY ALIGNMENT

Engine Compartment (Cont'd)

Unit : mm

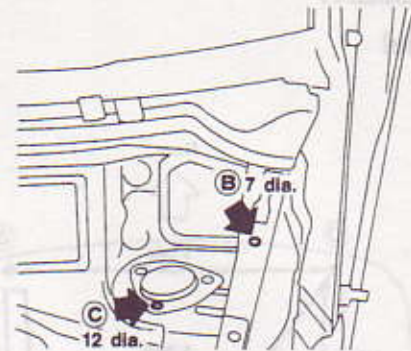
MEASUREMENT POINTS

Cowltop



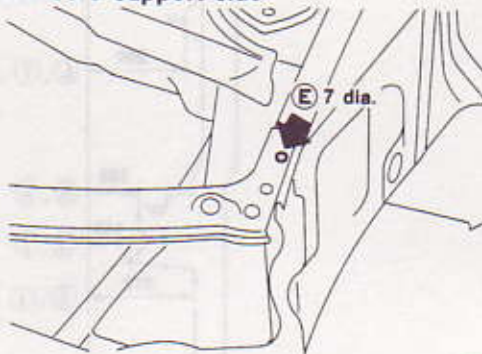
SBF480G

Strut tower



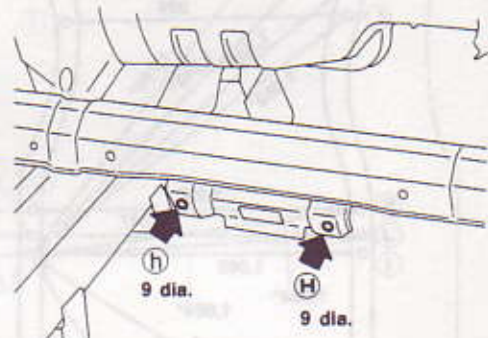
SBF484G

Radiator core support side



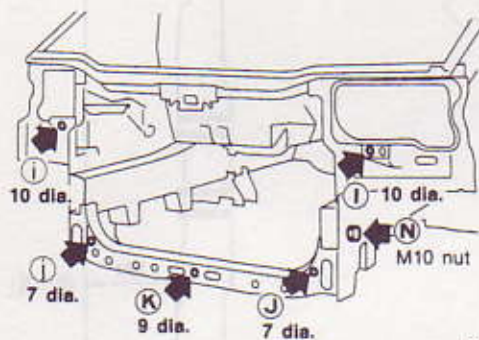
SBF481G

Hood lock member



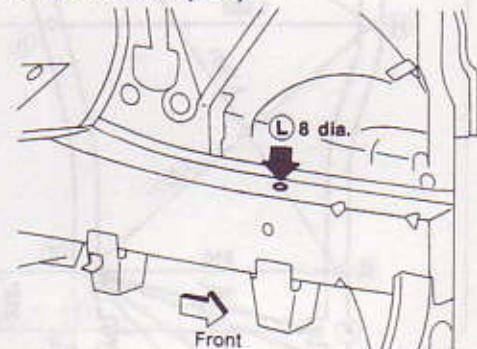
SBF485G

Radiator core support



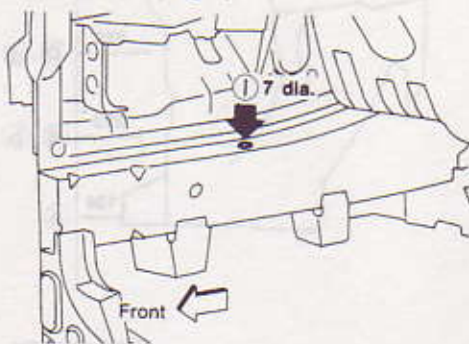
SBF482G

Front side member (Left)



SBF486G

Front side member (Right)



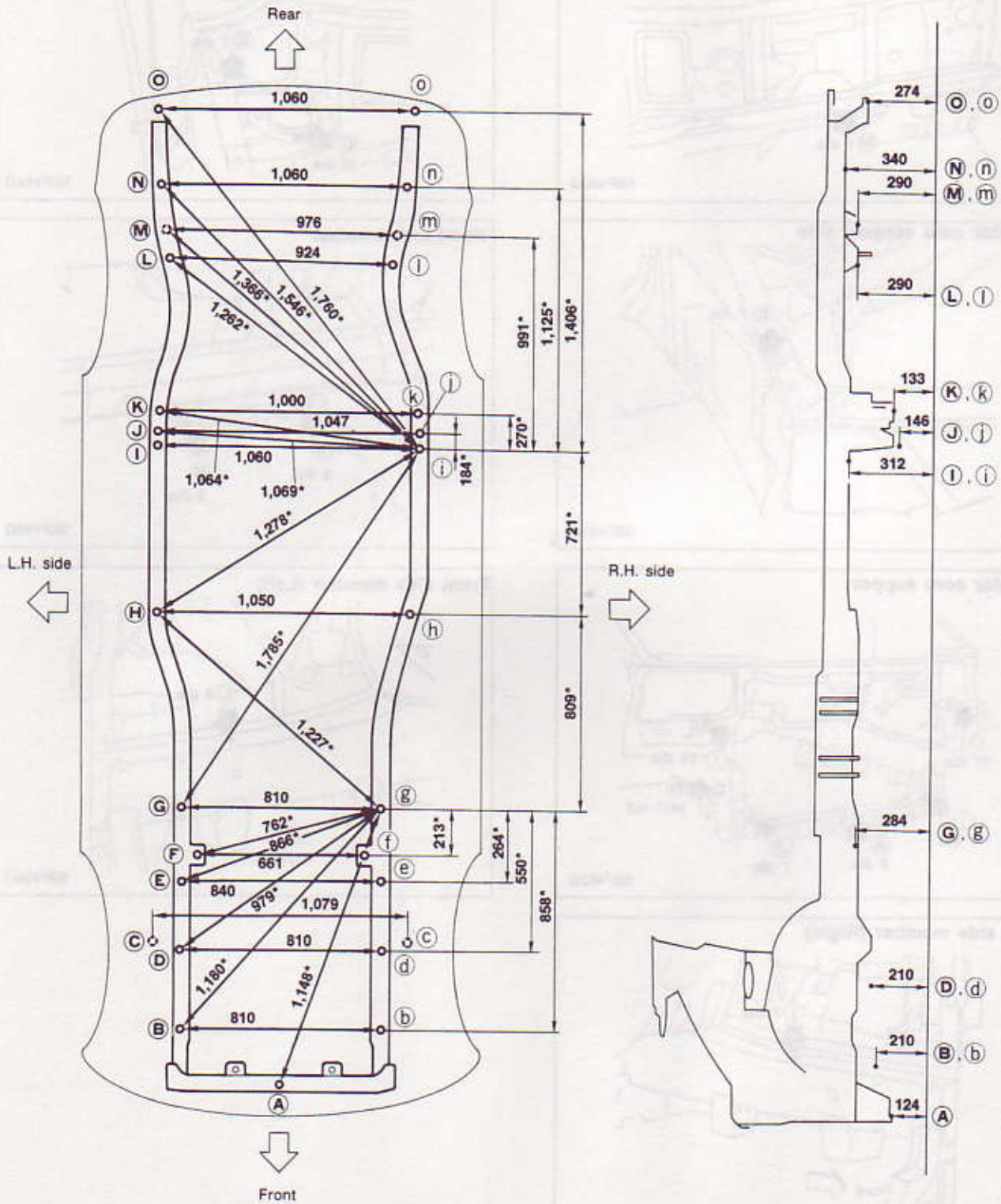
MBF483G

BODY ALIGNMENT

Underbody

MEASUREMENT

I.R.S. model



Dimensions for
Centering gauge

Unit: mm

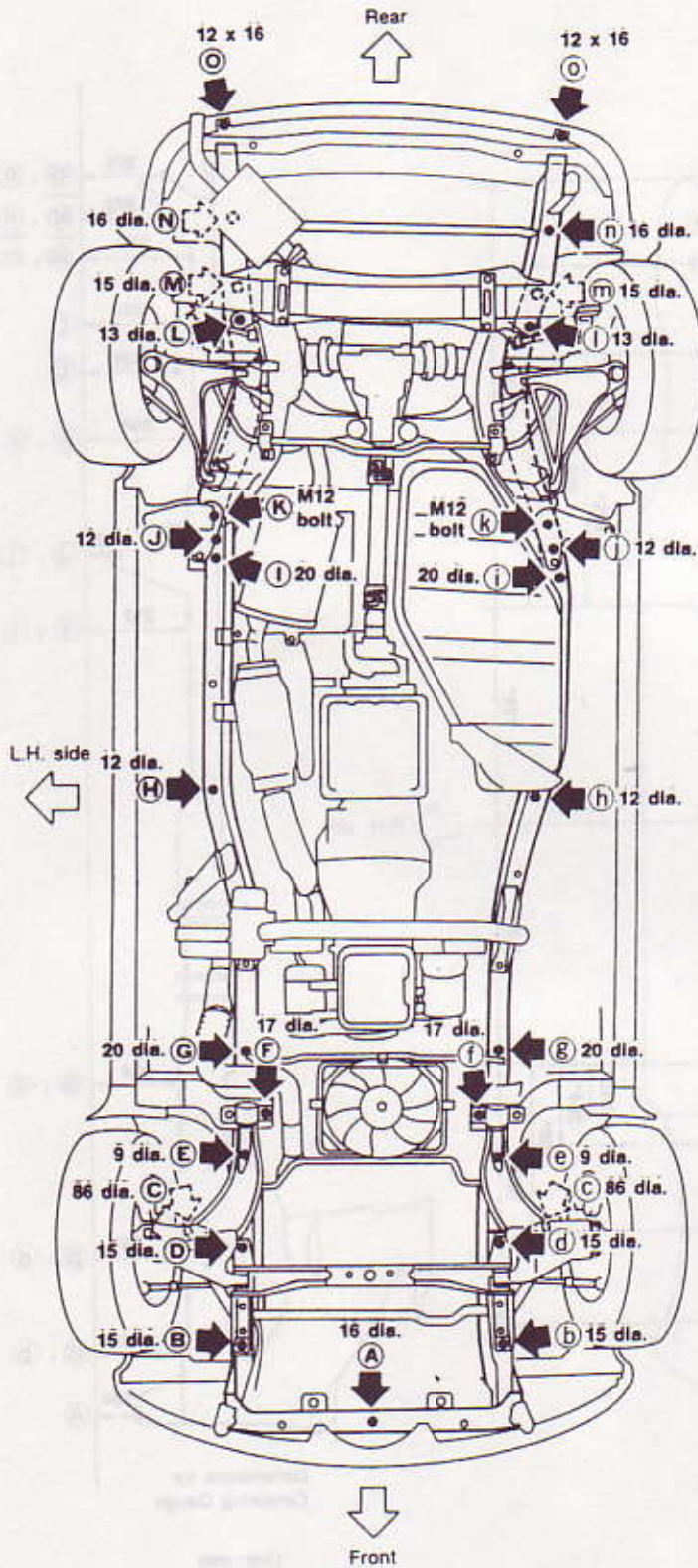
MBF928A

BODY ALIGNMENT

Underbody (Cont'd)

MEASUREMENT POINTS

I.R.S. model



Front coordinates

A, B
X: 0
Y: -513
Z: 124

B, D
X: 405
Y: -305
Z: 210

D, D
X: 405
Y: 5
Z: 210

E, E
X: 420
Y: 286
Z: 284

F, F
X: 331
Y: 377
Z: 184

G, G
X: 405
Y: 550
Z: 284

Rear Coordinates

H, h
X: 525
Y: 1,350
Z: 284

I, i
X: 530
Y: 2,070
Z: 312

J, j
X: 523
Y: 2,147
Z: 146

K, k
X: 500
Y: 2,270
Z: 133

L, l
X: 462
Y: 2,850
Z: 290

M, m
X: 488
Y: 2,980
Z: 290

N, n
X: 530
Y: 3,195
Z: 340

O, o
X: 530
Y: 3,475
Z: 274

Front strut tower center

Coordinates:

C, C
X: 540
Y: 27
Z: 705

Front: C, C
86 dia.

Unit: mm

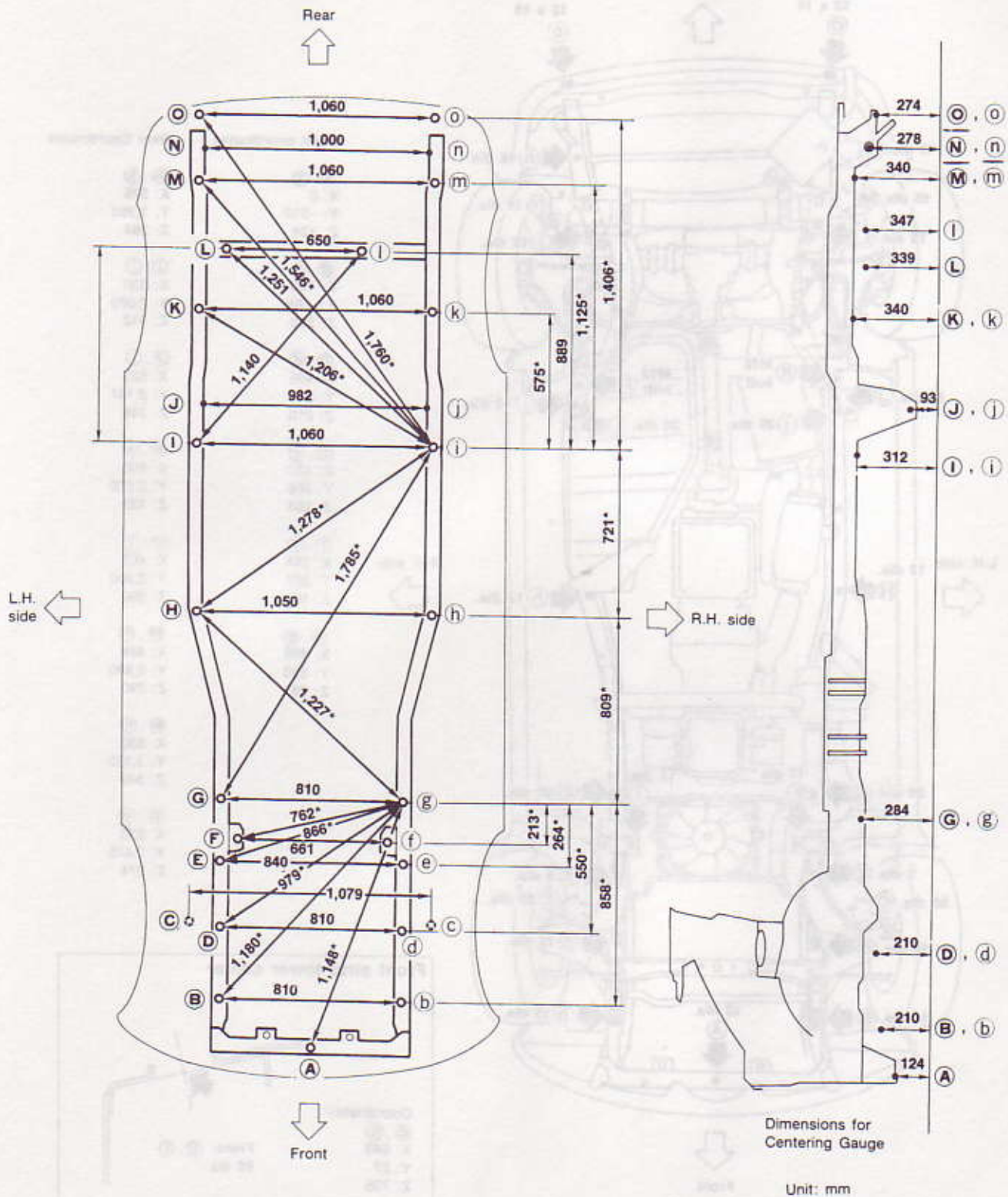
MBF929A

BODY ALIGNMENT

Underbody (Cont'd)

MEASUREMENT

Rigid axle model

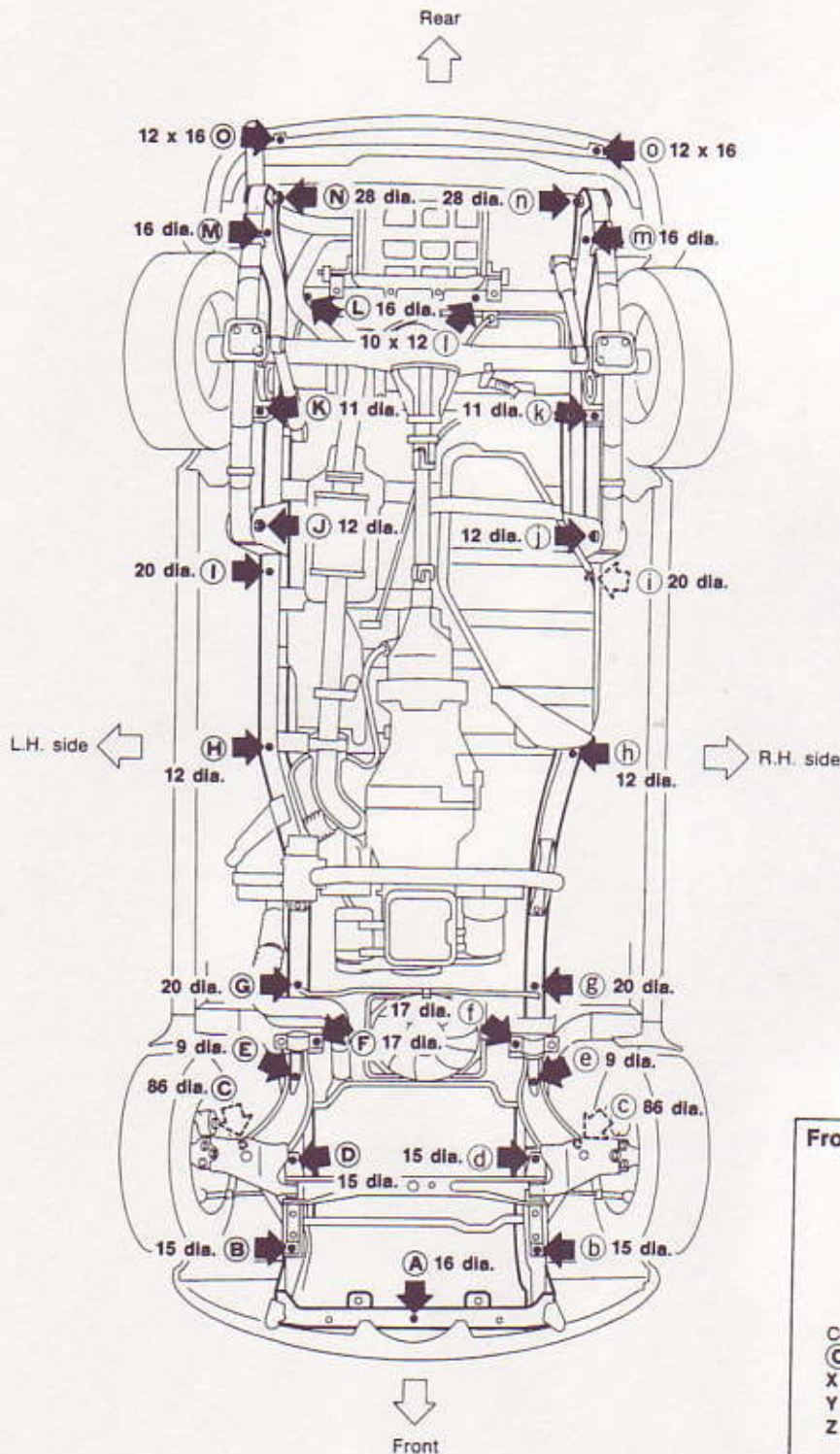


BODY ALIGNMENT

Underbody (Cont'd)

MEASUREMENT POINTS

Rigid axle model



Unit: mm

Front
Coordinates

(A) . (a)
X : 0
Y : -513
Z : 124

(B) . (b)
X : 405
Y : -305
Z : 210

(C) . (c)
X : 540
Y : 27
Z : 705

(D) . (d)
X : 405
Y : 5
Z : 210

(E) . (e)
X : 420
Y : 286
Z : 284

(F) . (f)
X : 331
Y : 377
Z : 184

(G) . (g)
X : 405
Y : 550
Z : 284

Rear
Coordinates

(H) . (h)
X : 525
Y : 1,350
Z : 284

(I) . (i)
X : 530
Y : 2,070
Z : 312

(J) . (j)
X : 491
Y : 2,242
Z : 93

(K) . (k)
X : 530
Y : 2,644
Z : 340

(L) . (l)
X : 410
Y : 2,895
Z : 339

(M) . (m)
X : 240
Y : 2,910
Z : 347

(N) . (n)
X : 500
Y : 3,195
Z : 340

(O) . (o)
X : 530
Y : 3,325
Z : 278

(P) . (p)
X : 530
Y : 3,475
Z : 274

Front strut tower center

Coordinates:

(C) . (C)
X : 540
Y : 27
Z : 705

Front: (C) . (C)
86 dia.