BODY

SECTION BF

CONTENTS

When you read wiring diagrams:

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

BF

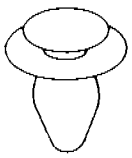
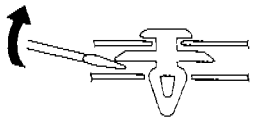
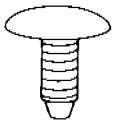
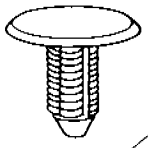
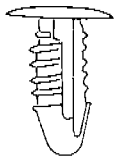
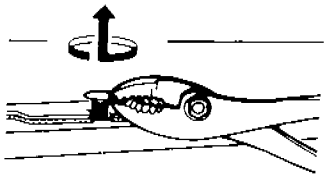
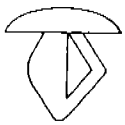
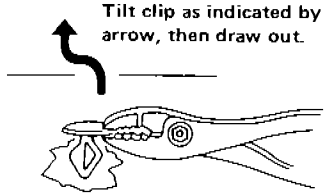
★ **For seat belt, refer to MA section.**

Precautions

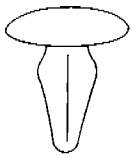
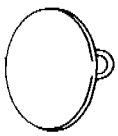
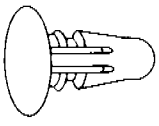
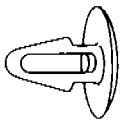
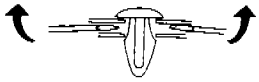
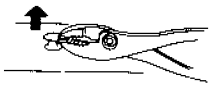
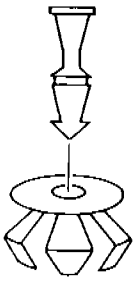
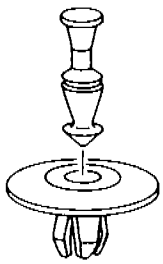
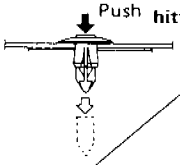
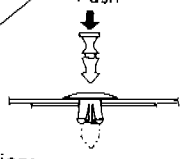
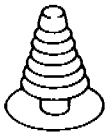
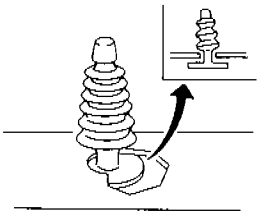
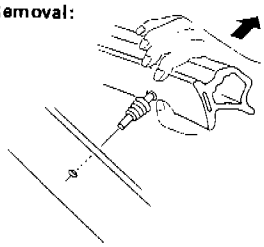
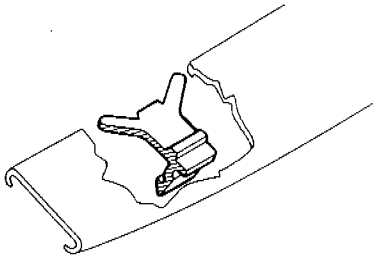
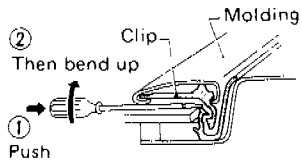
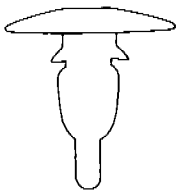
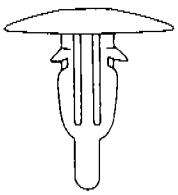
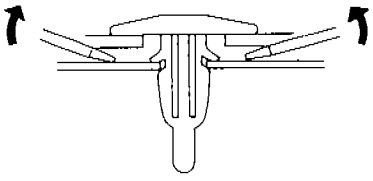
- When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratches.
- Handle trim, molding, instruments, grille, etc. carefully during removing or installation. Be careful not to soil or damage them.
- Apply sealing compound where necessary when installing parts.
- When applying sealing compound, be careful that the 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.

Clip and Fastener

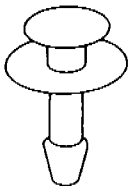
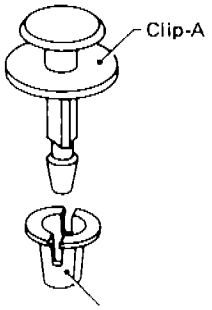
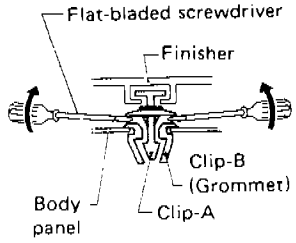
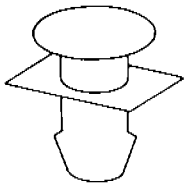
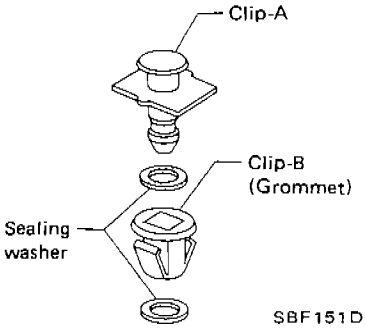
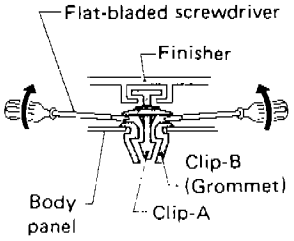
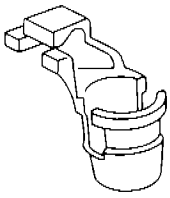
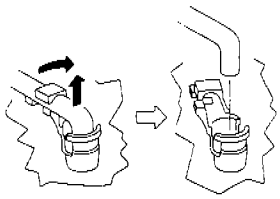
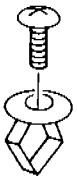
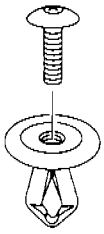
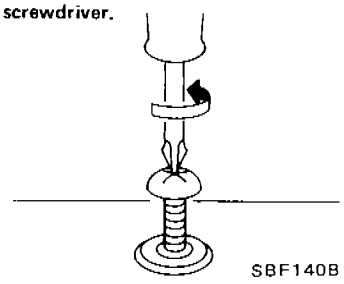
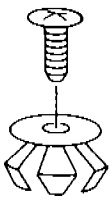
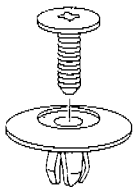
- Clips and fasteners in BF section correspond to the following numbers and symbols.
- Replace any clips and/or fasteners which are damaged during removal or installation.

No.	Symbol	Shape	Removal & Installation
C101	 SBF092B	 SBF109B	**Removal:** **Remove by bending up with a flat-bladed screwdriver.**  SBF094B
C102	 SBF113B	 SBF114B  SBF137B	 **Removal:** **Pull up by rotating.** SBF115B
C105	 SBF141B	 SBF142B	**Removal:** **Tilt clip as indicated by arrow, then draw out.**  SBF143B

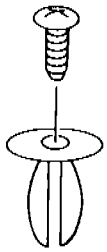
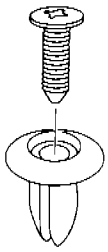
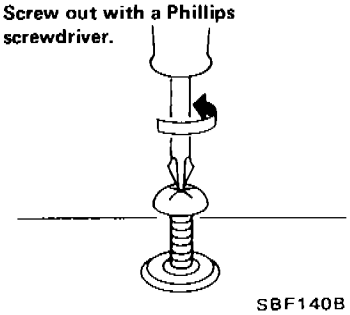
Clip and Fastener (Cont'd)

No.	Symbol	Shape	Removal & Installation
C106	 SBF089B	   SBF090B	**Removal:** **Remove with a flat-bladed screwdrivers or plier.**   SBF091B
C203	 SBF318C	 SBF319C	**Push center pin to catching position. (Do not remove center pin by hitting it.)** Push  Push  **Installation:** SBF320C
CE103	 SBF103B	 SBF104B	**Removal:**  SBF147B
CE106	 SBF653B	**Removal:**  SBF654B
CE117	 SBF173D	 SBF174D	**Removal:** **Remove with a flat-bladed screwdriver or pliers.**  SBF175D

Clip and Fastener (Cont'd)

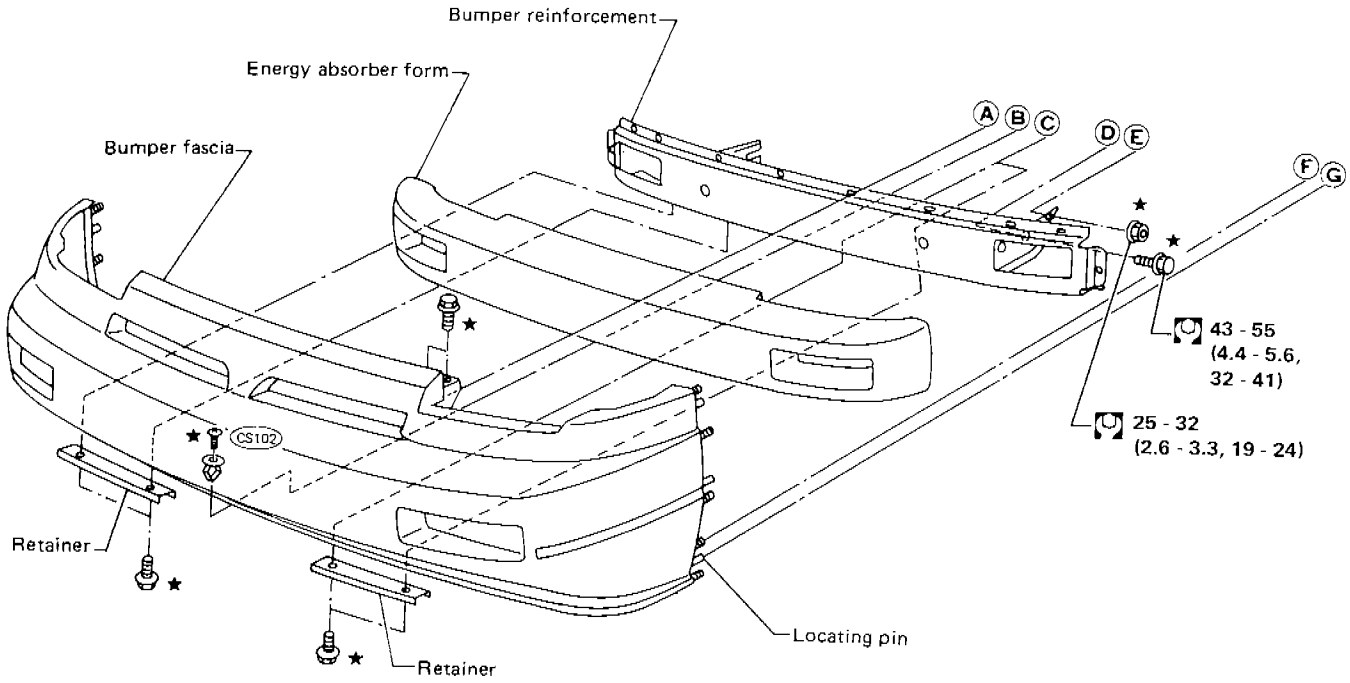
No.	Symbol	Shape	Removal & Installation
CF113	 SBF035C	 SBF036C	**Removal:**  SBF652B
CF118	 SBF150D	 SBF151D	**Removal:**  SBF652B
CR103	 SBF768B		**Removal:** **Holder portion of clip must be spread out to remove rod.**  SBF770B
CS102	 SBF138B	 SBF139B	**Removal:** **Screw out with a Phillips screwdriver.**  SBF140B
CS103	 SBF363B	 SBF364B	

Clip and Fastener (Cont'd)

No.	Symbol	Shape	Removal & Installation
CS104	 SBF361B	 SBF362B	**Removal:** **Screw out with a Phillips screwdriver.**  SBF140B

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.

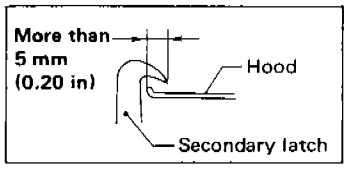


Body Front End (Cont'd)

Hood lock adjustment

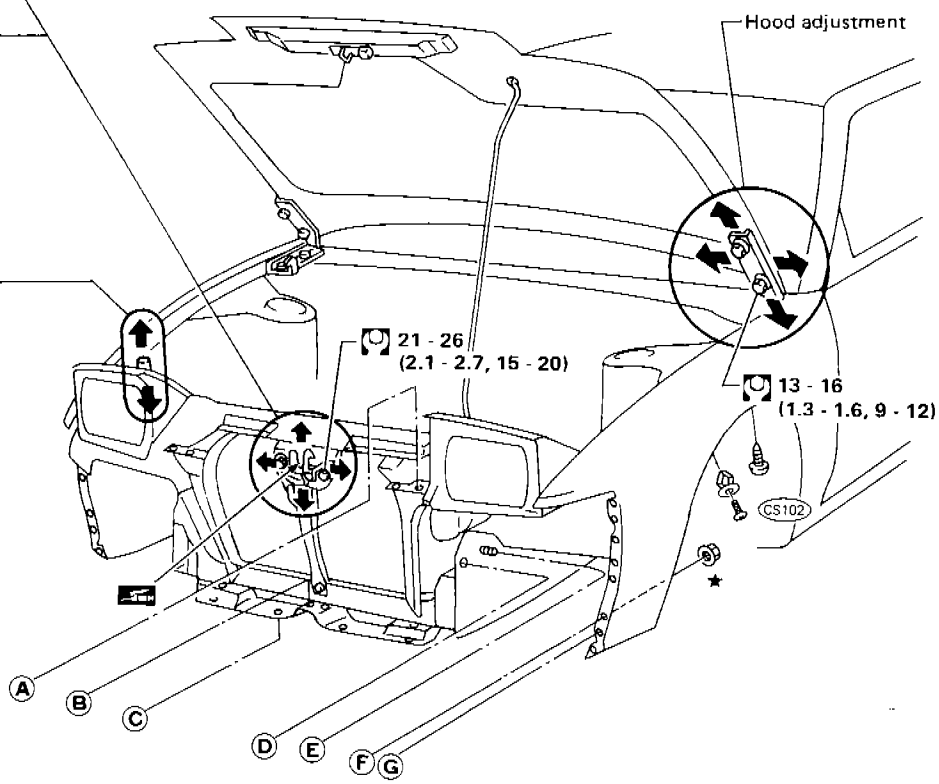
- Adjust lock so that hood primary lock meshes at a position where hood is 1 to 1.5 mm (0.039 to 0.059 in) lower than fender.
- After hood lock adjustment, adjust bumper rubber.
- When securing hood lock, ensure it does not tilt. Striker must be positioned at the center of hood primary lock.
- After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

Hood lock secondary latch hooking length



Bumper rubber adjustment

- Adjust so that hood is aligned with fender. [Bumper rubber free height is approx. 20 mm (0.79 in).]



★ : Bumper assembly mounting bolts and nuts
: N·m (kg-m, ft-lb)

SBF385E

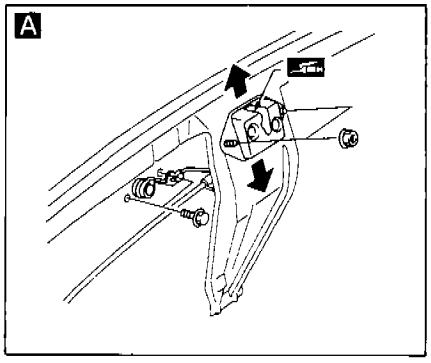
Body Rear End and Opener

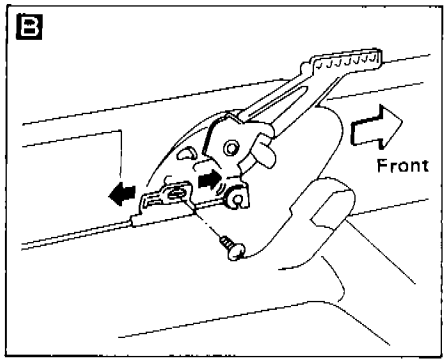
- Back door adjustment: Adjust at hinge-body portion for proper back door fit.
- Back door lock system adjustment: Adjust lock & striker so that they are in the center. After adjustment, check back door lock operation.
- Trunk lid adjustment:Adjust at hinge-trunk lid portion for proper trunk lid fit.
- Trunk lid lock system adjustment: Adjust striker so that it is in the center of the lock. After adjustment, check trunk lid lock operation.

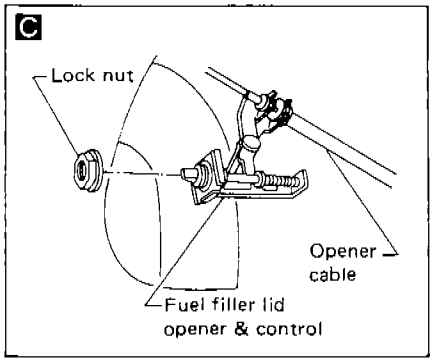
WARNING:

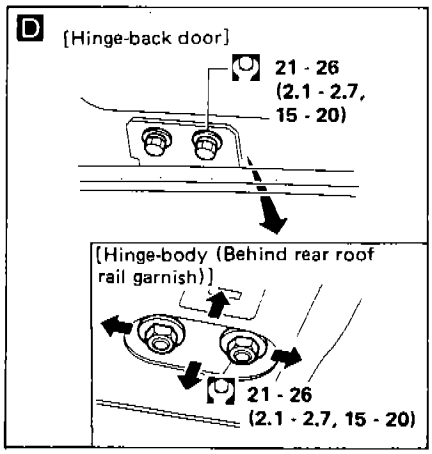
a. **Be careful not to scratch back door stay when installing back door. A scratched stay may cause gas leakage.**
b. **The contents of the back door stay are under pressure. Do not take apart, puncture, apply heat or allow fire near it.**

- 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.
- Before removing rear bumper, remove right drafter which is secured with two upper nuts and butyl seal.

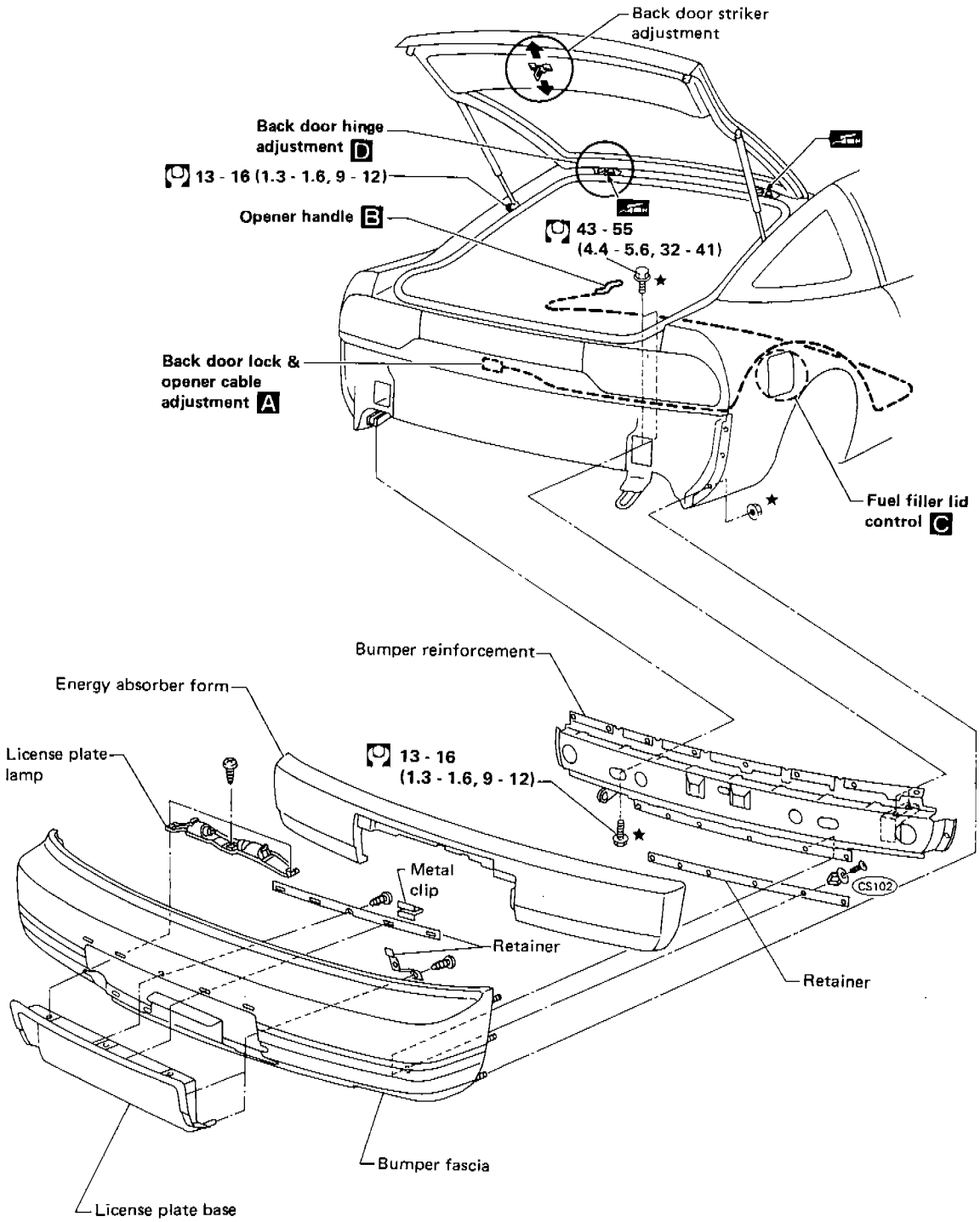








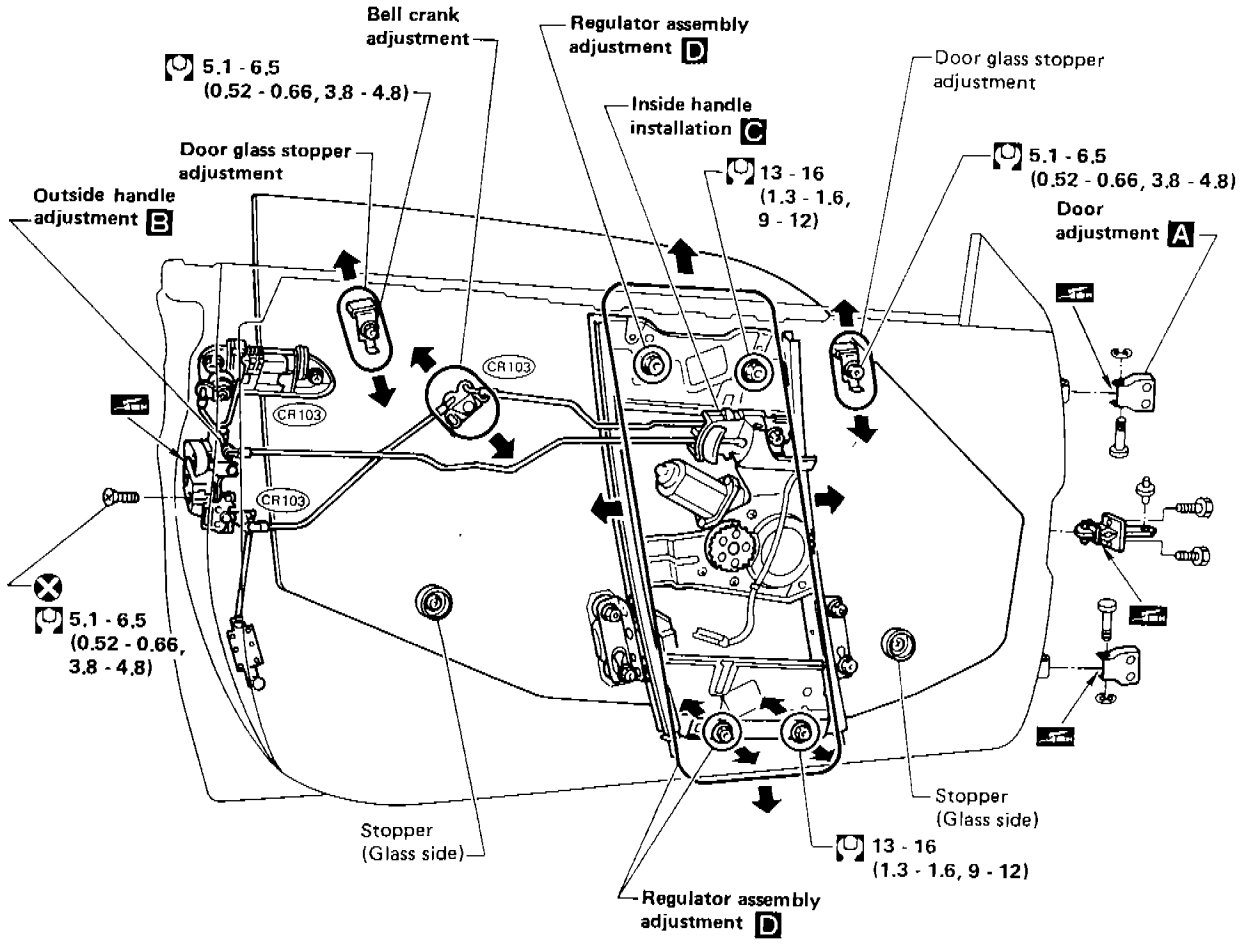
Body Rear End and Opener (Cont'd)



★ : Bumper assembly mounting bolts and nuts
: N·m (kg-m, ft-lb)

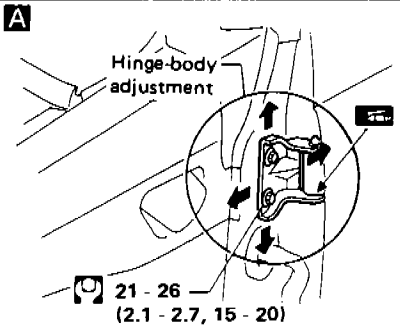
SBF376E

- After adjusting door or door lock, check door lock operation.

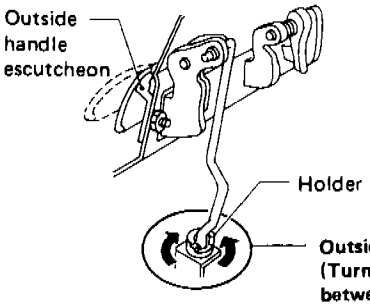


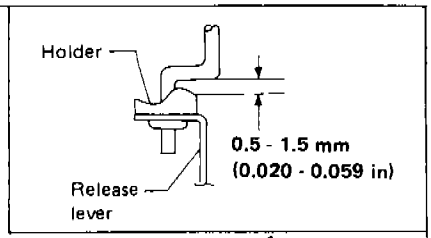
: N·m (kg-m, ft-lb)

A



B





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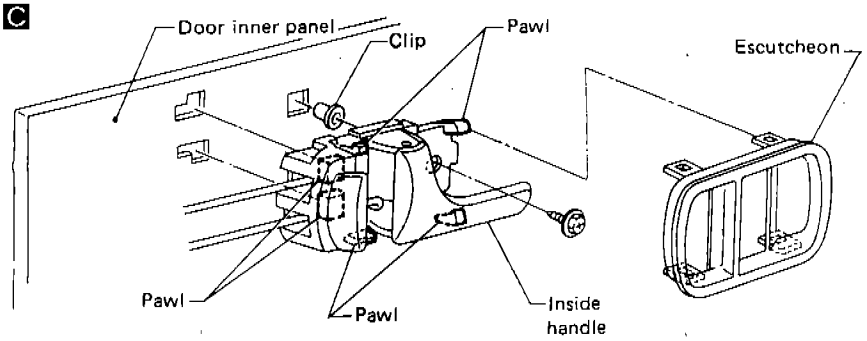
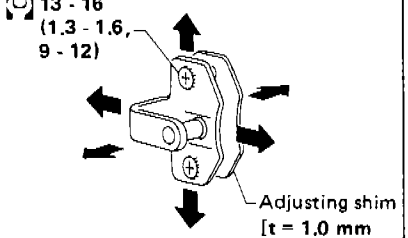


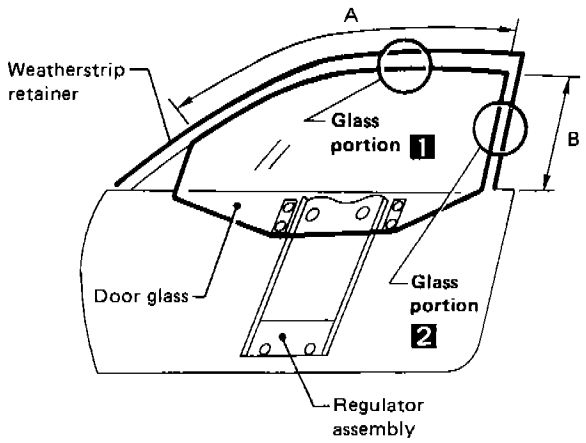
Striker adjustment



D

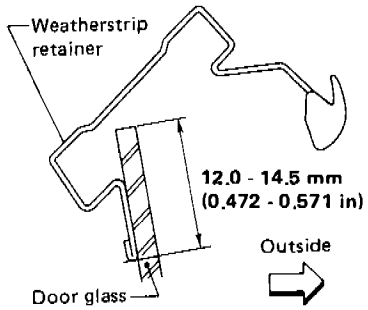
- **Remove weatherstrip from retainer.**

- **Door glass-to-retainer clearances A and B**
  Adjust so that clearances A and B are equal.
- **Ensure door glass is not tilted.**

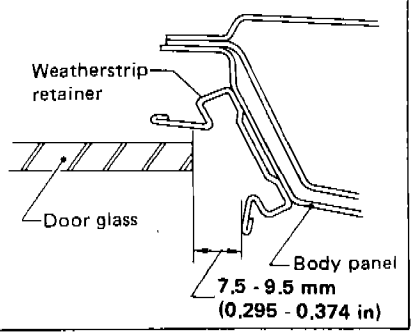


Glass portion 1

- **Adjust to provide proper light surface contact of glass and retainer.**



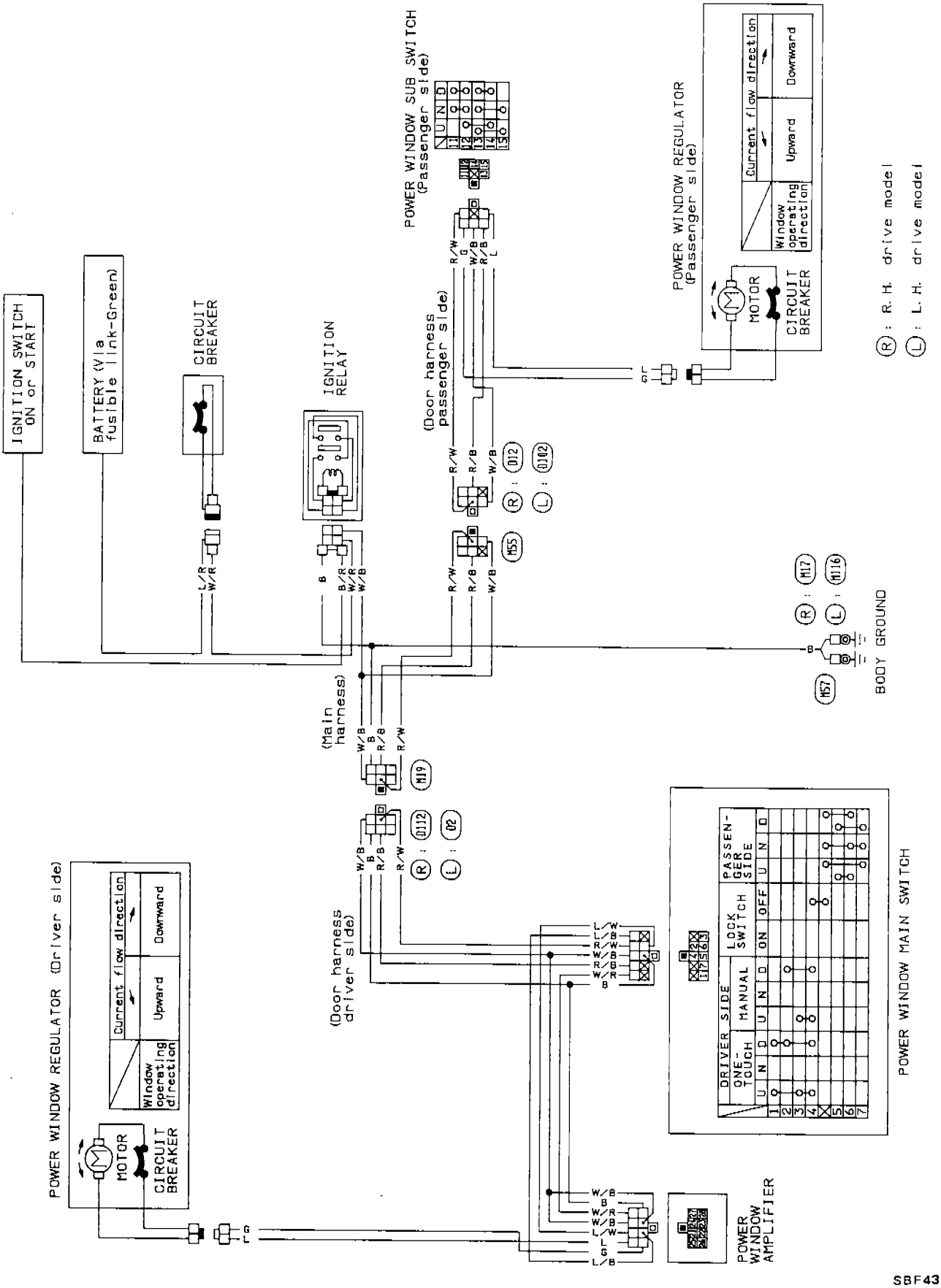
Glass portion 2



SBF177E

Power Window

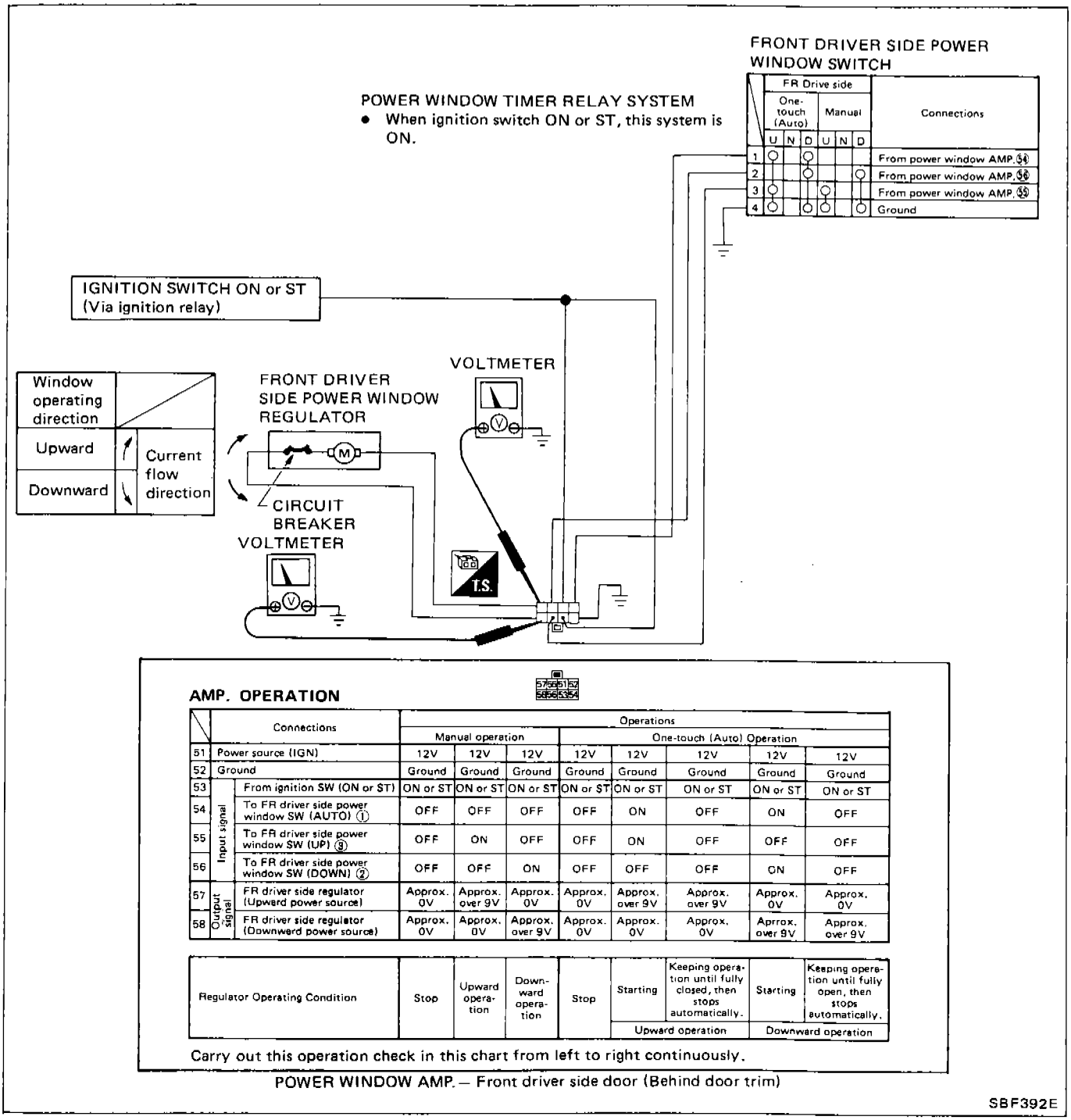
WIRING DIAGRAM



SBF431E

Power Window (Cont'd)

POWER WINDOW AMP. INSPECTION



AMP. OPERATION

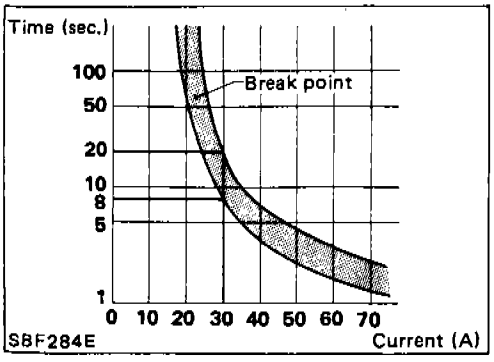
	Connections		Operations							
			Manual operation			One-touch (Auto) Operation				
51	Power source (IGN)		12V	12V	12V	12V	12V	12V	12V	12V
52	Ground		Ground	Ground	Ground	Ground	Ground	Ground	Ground	Ground
53	Input signal	From ignition SW (ON or ST)	ON or ST	ON or ST	ON or ST	ON or ST	ON or ST	ON or ST	ON or ST	ON or ST
54	Input signal	To FR driver side power window SW (AUTO) ①	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
55	Input signal	To FR driver side power window SW (UP) ③	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
56	Input signal	To FR driver side power window SW (DOWN) ②	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
57	Output signal	FR driver side regulator (Upward power source)	Approx. 0V	Approx. over 9V	Approx. 0V	Approx. 0V	Approx. over 9V	Approx. over 9V	Approx. 0V	Approx. 0V
58	Output signal	FR driver side regulator (Downward power source)	Approx. 0V	Approx. 0V	Approx. over 9V	Approx. 0V	Approx. 0V	Approx. 0V	Aprrox. over 9V	Approx. over 9V

Regulator Operating Condition	Stop	Upward operation	Downward operation	Stop	Starting	Keeping operation until fully closed, then stops automatically.	Starting	Keeping operation until fully open, then stops automatically.
					Upward operation		Downward operation	

Carry out this operation check in this chart from left to right continuously.

POWER WINDOW AMP. – Front driver side door (Behind door trim)

SBF392E



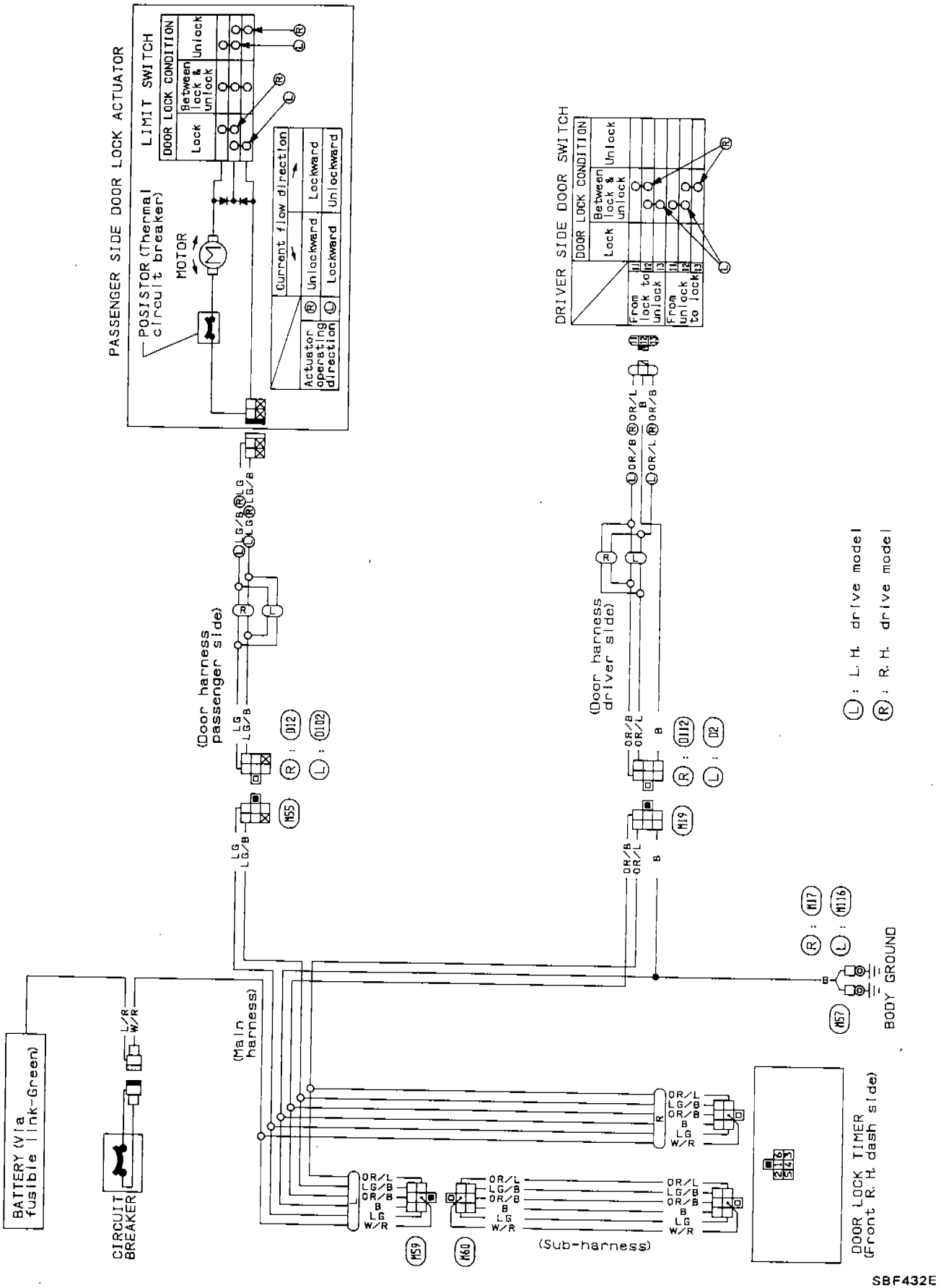
CIRCUIT BREAKER INSPECTION

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

This circuit breaker is also used in the power door lock system.

Power Door Lock

WIRING DIAGRAM



Power Door Lock (Cont'd)

DOOR LOCK TIMER INSPECTION

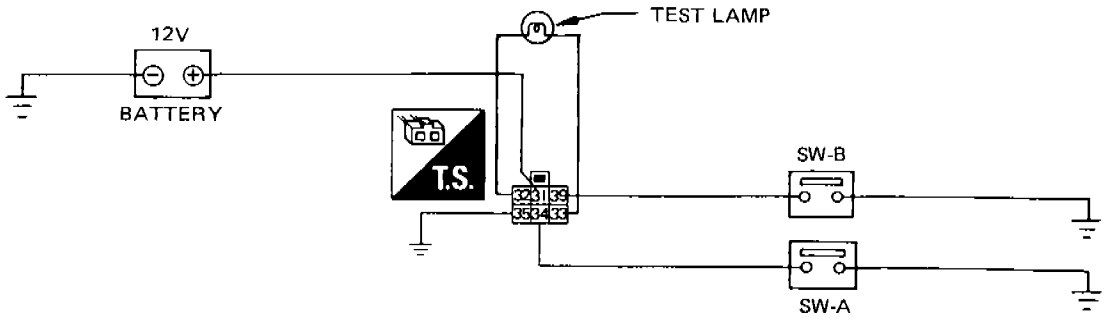
TESTING OPERATION

Input signal	SW-A operation	OFF	Turns ON	ON	Turns OFF	OFF	OFF	OFF	Turns ON	Turns OFF
	SW-B operation	OFF	OFF	OFF	OFF	Turns ON	ON	Turns OFF	After SW-A operation, immediately turns ON	Turns OFF
Output signal	Test lamp operation	OFF	ON (Approx. 1.0 sec.) → OFF	OFF	OFF	ON (Approx. 1.0 sec.) → OFF	OFF	OFF	ON → OFF → ON → OFF	OFF

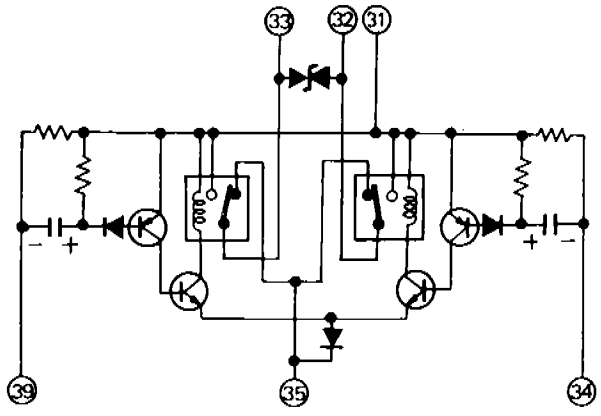
- Carry out the complete inspection in this chart from left to right.
- Do not carry out any switch operations that are not described in the above chart so as to avoid breaking the door lock timer.

Lighting period of test lamp differs according to SW-B operation. Moreover, test lamp may come on once or it may not come on at all. If this occurs, do not judge it faulty solely from this step.

INSPECTION CIRCUIT (This test circuit must be wired by the technician.)



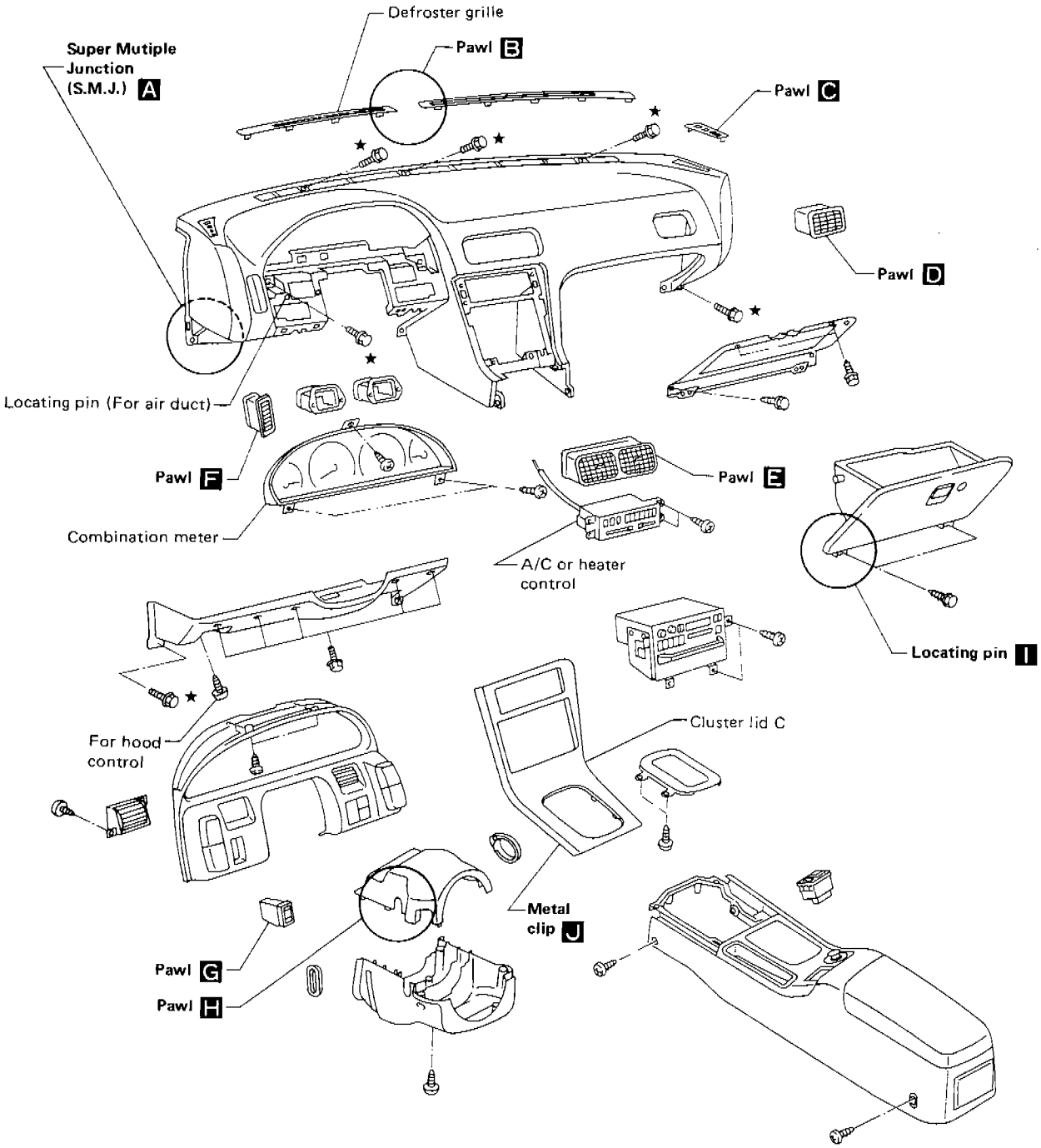
DOOR LOCK TIMER



	CIRCUIT CONNECTIONS
31	Power source (BAT)
32	To/From actuators (Lock power source & Unlock ground)
33	To/From actuators (Lock ground & Unlock power source)
34	To lock-unlock switches (Input signal for lock)
35	Ground
39	To lock-unlock switches (Input signal for unlock)

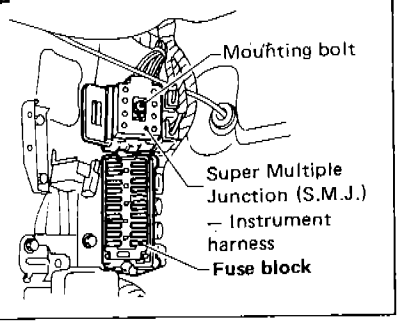
SBF393E

- When removing instrument panel assembly, remove defroster grille, combination meter, A/C or heater control, cluster lid C and S.M.J. first.



★ : Instrument panel assembly mounting bolts

A



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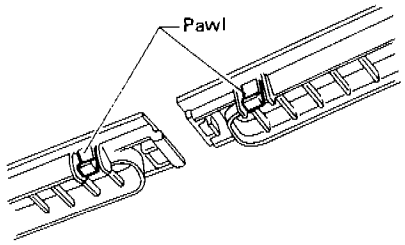

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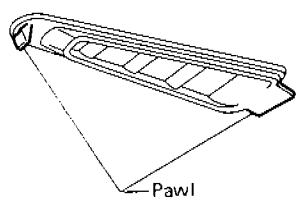

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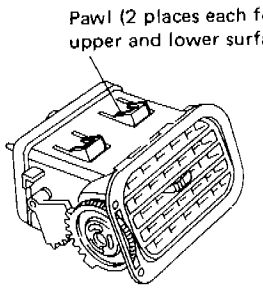

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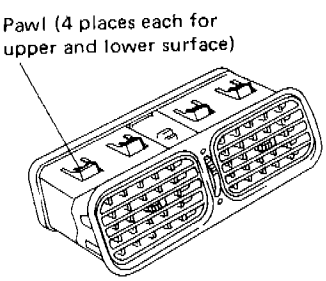

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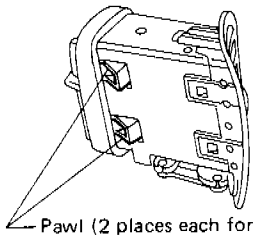

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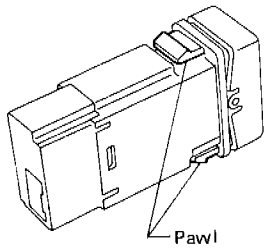

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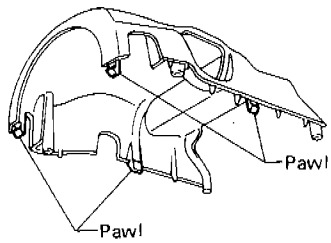

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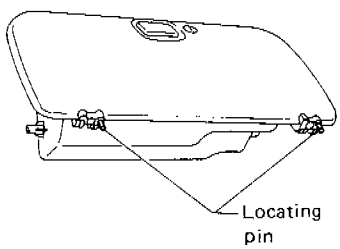

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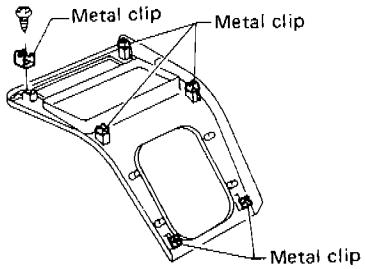
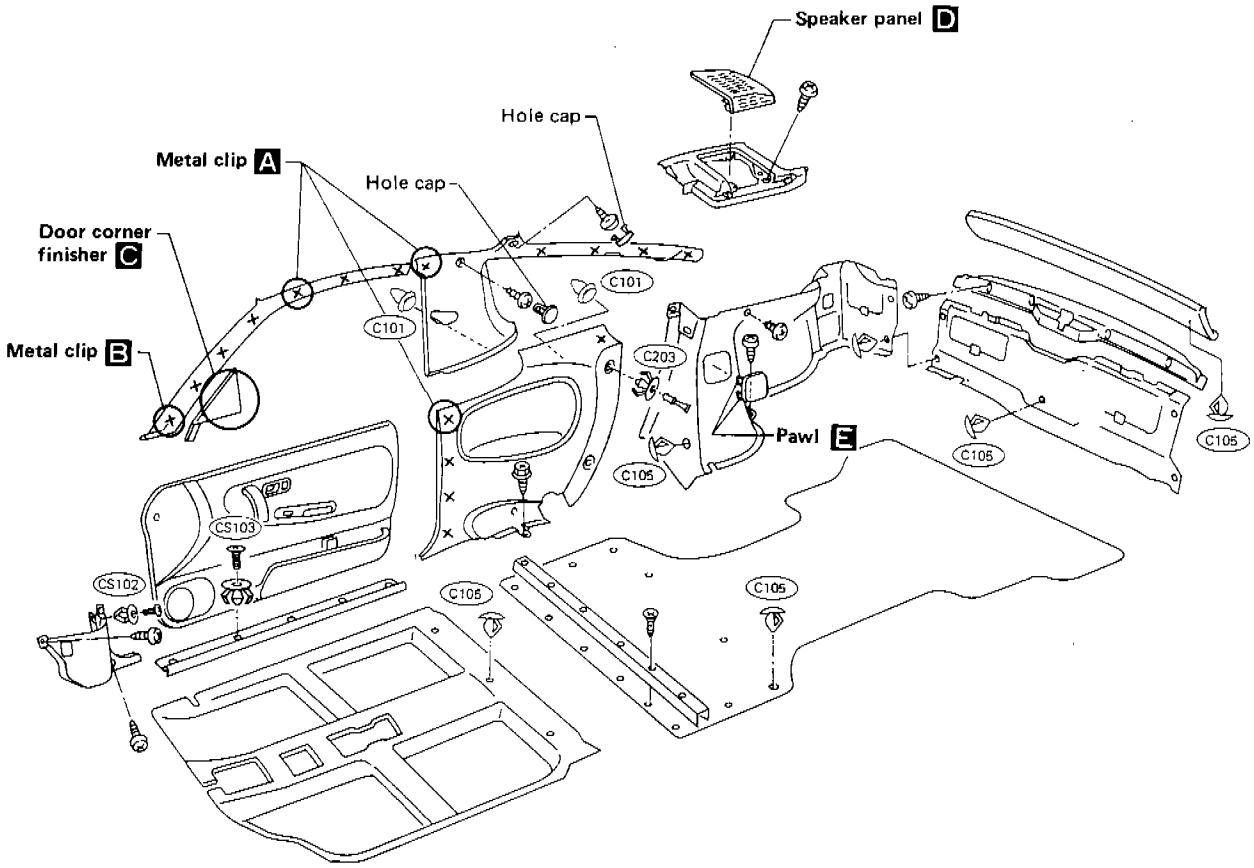
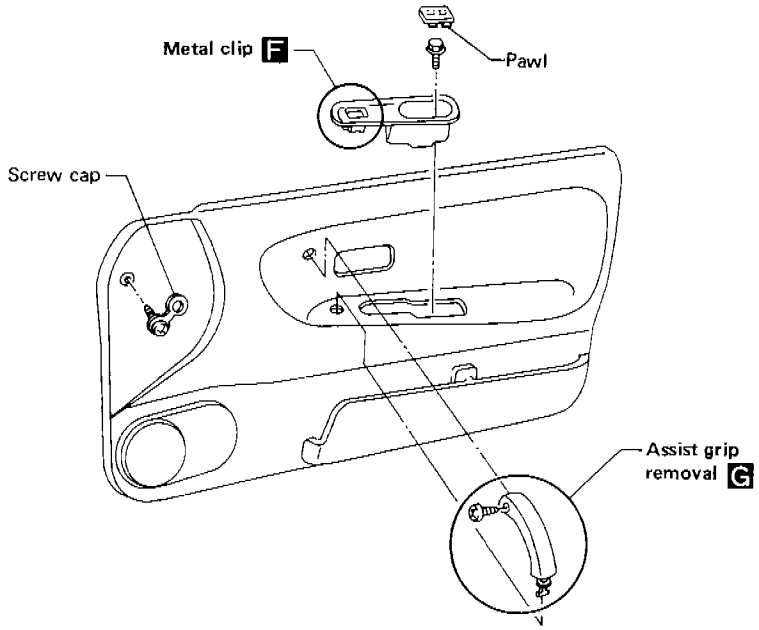


SBF178E

Interior

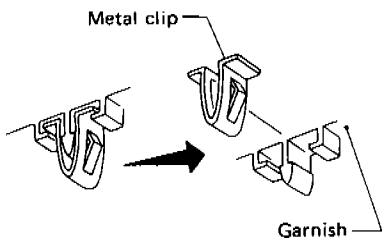
SIDE, LUGGAGE AND FLOOR TRIM





Interior (Cont'd)

A



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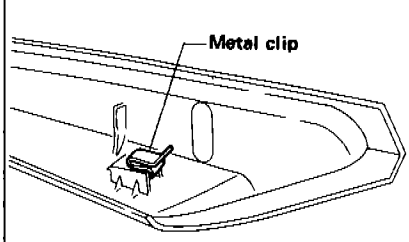

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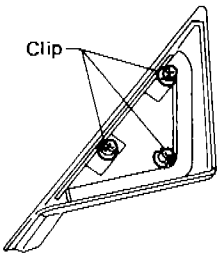

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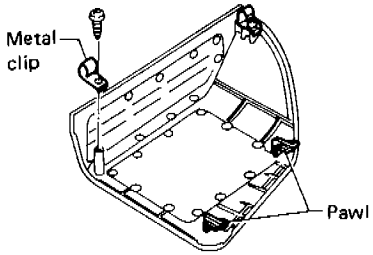

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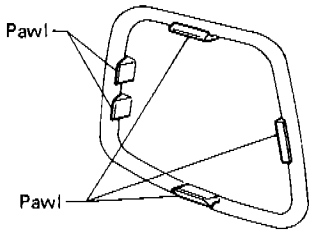

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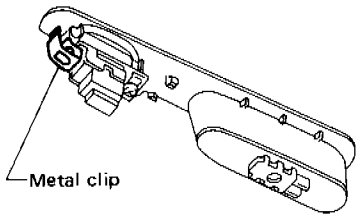

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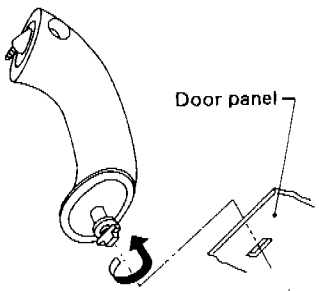
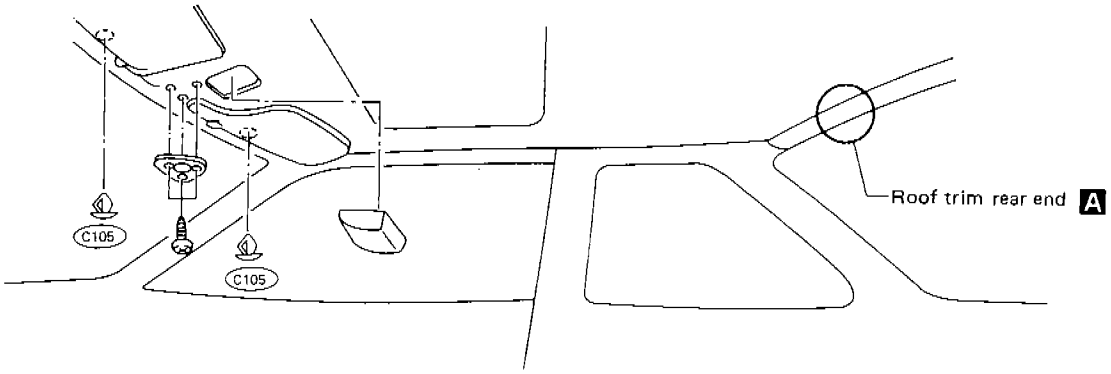
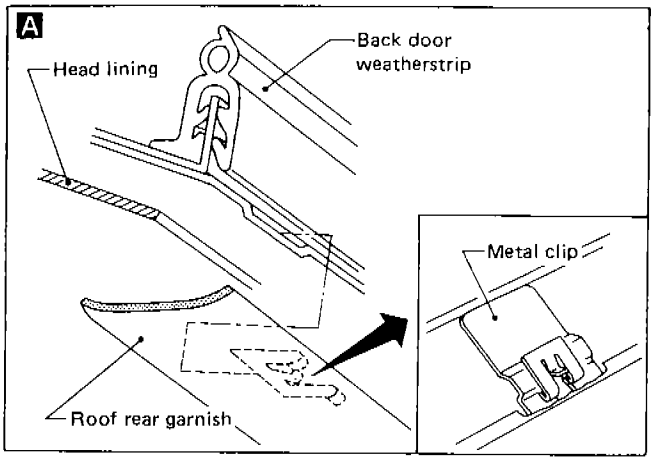


SBF434E

Interior (Cont'd)

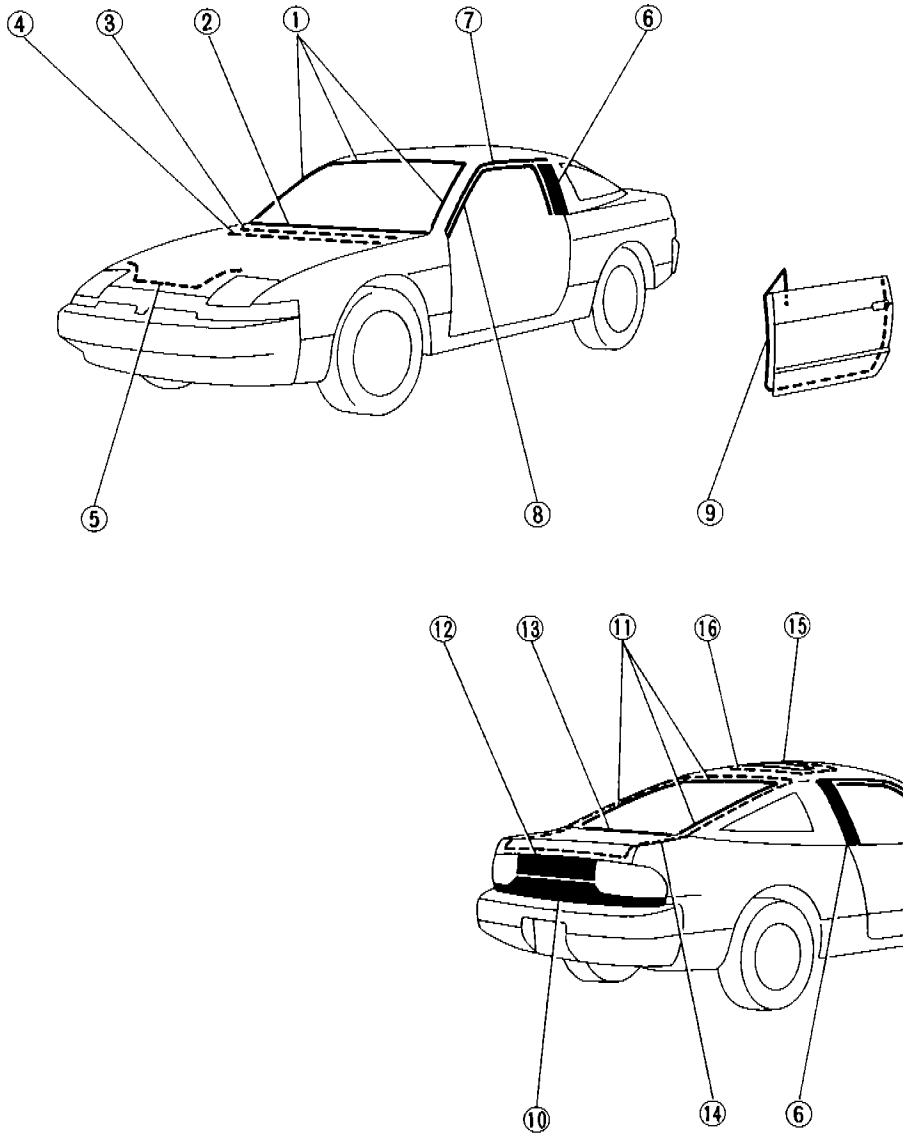
ROOF TRIM





SBF387E

Exterior



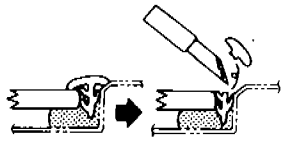
SBF388E

Exterior (Cont'd)

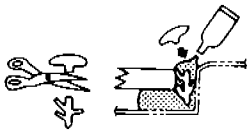
① Windshield upper and side molding

Method 1

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



Apply sealant to top portion of molding.

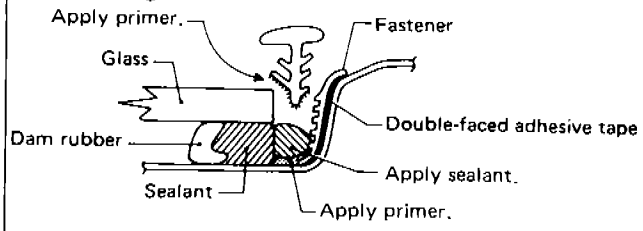


Cut off lower portion of new molding.

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 & primer to body panel, and apply primer to molding.



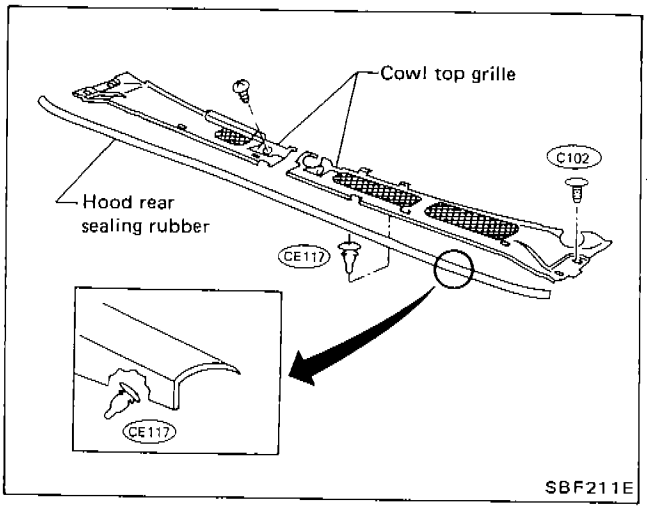
4. Install molding by aligning the molding mark located on center with vehicle center.
   Be sure to install tightly so that there is no gap around the corner.

SBF519B

② Windshield lower molding

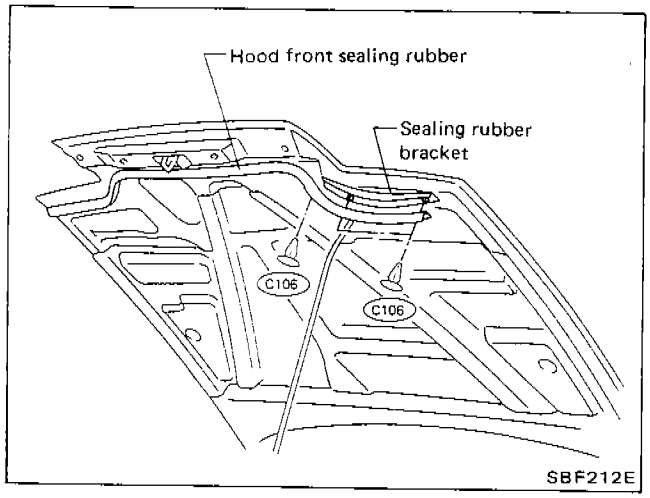
It is mounted with screws.

③, ④ Cowl top grille and hood rear sealing rubber



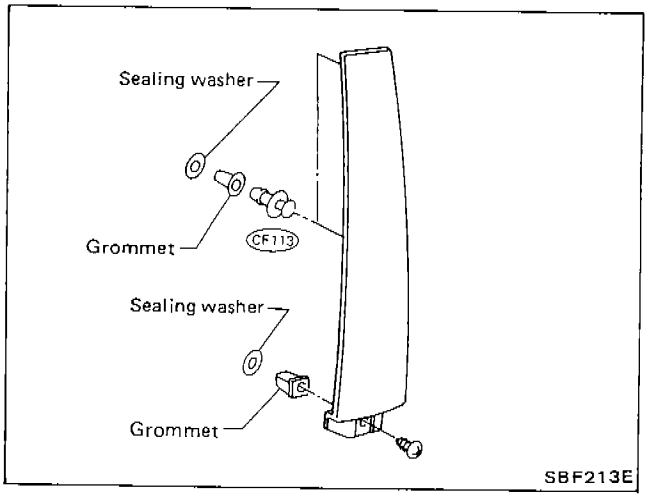
SBF211E

⑤ Hood front sealing rubber



SBF212E

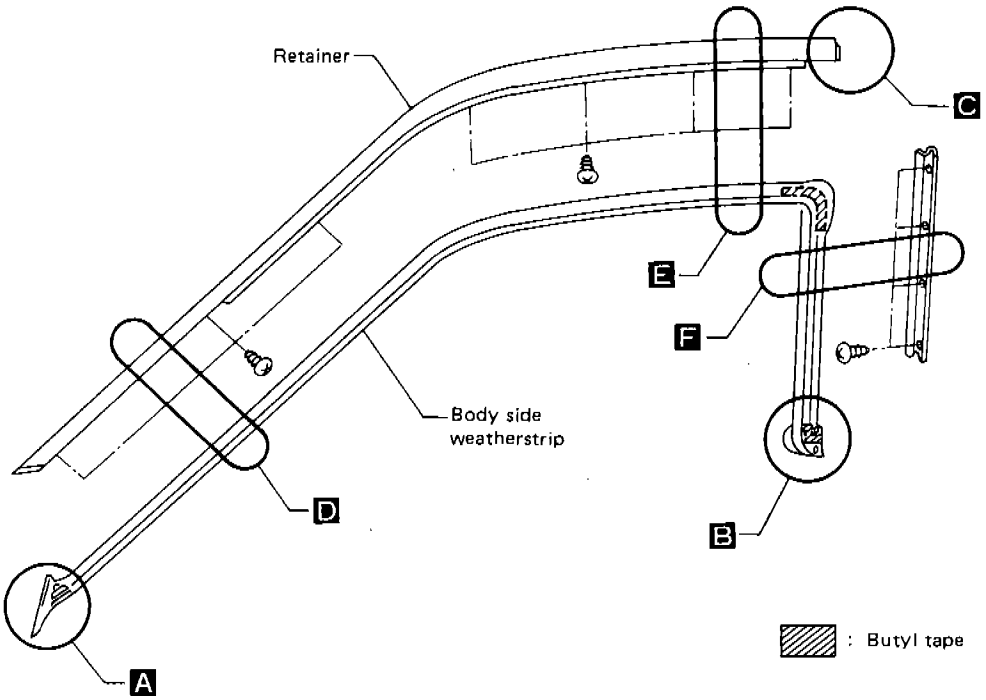
⑥ Center pillar finisher

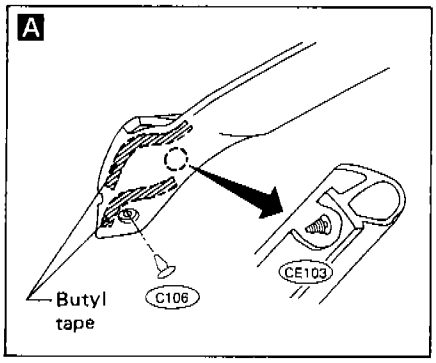


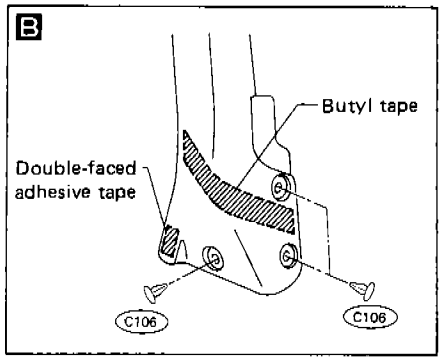
SBF213E

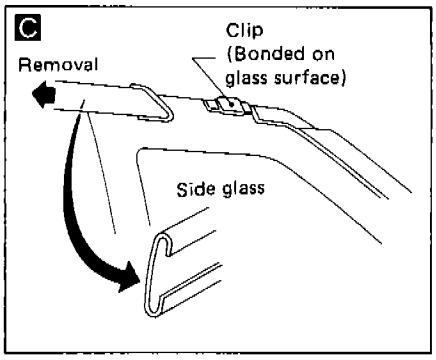
Exterior (Cont'd)

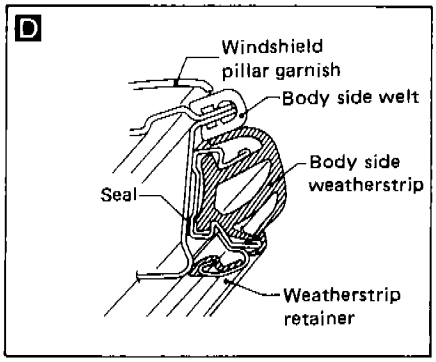
⑦, ⑧ Body side weatherstrip and weatherstrip retainer

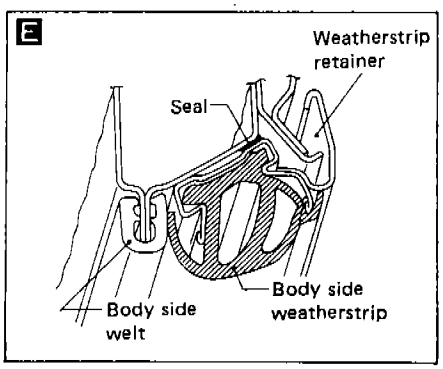


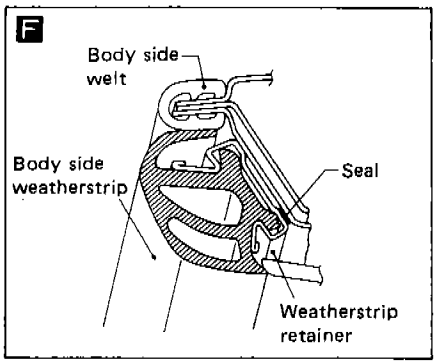








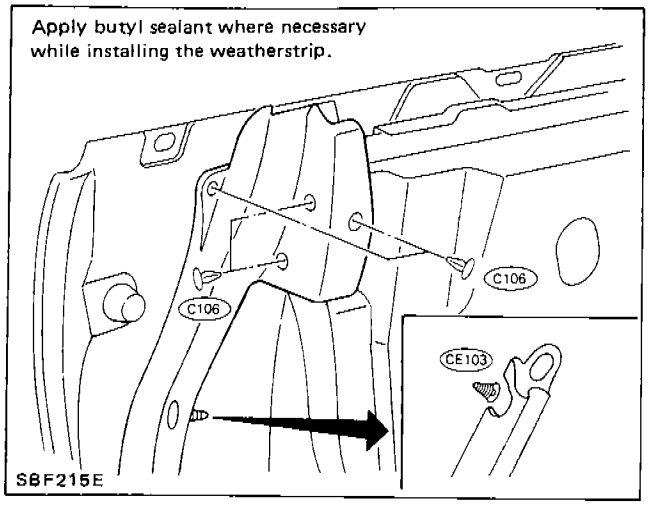




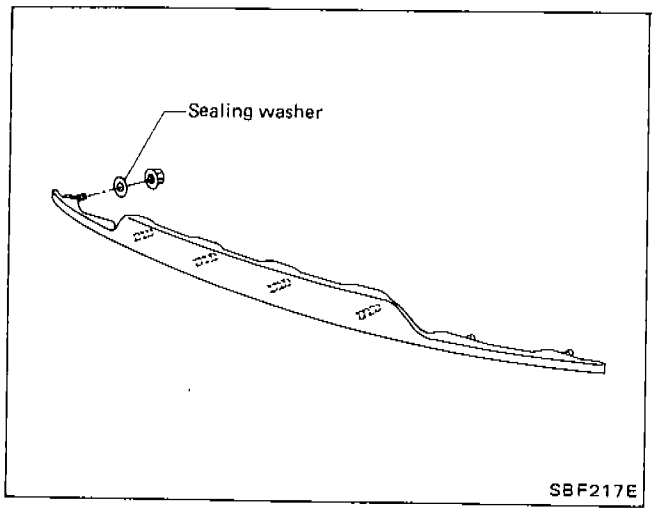
SBF214E

Exterior (Cont'd)

⑨ Door weatherstrip



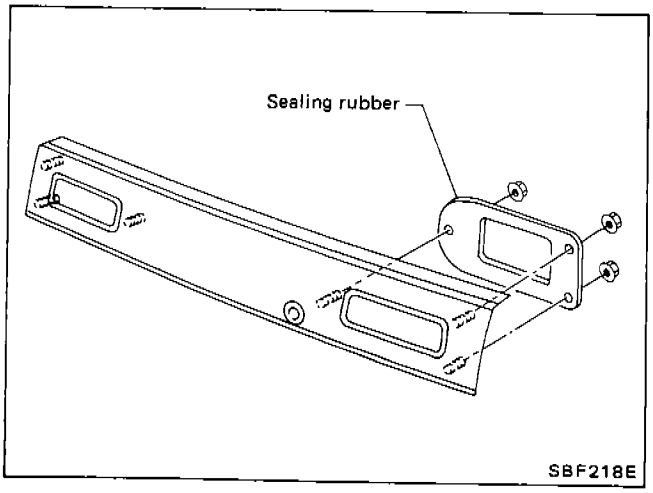
⑩ Rear sight shield



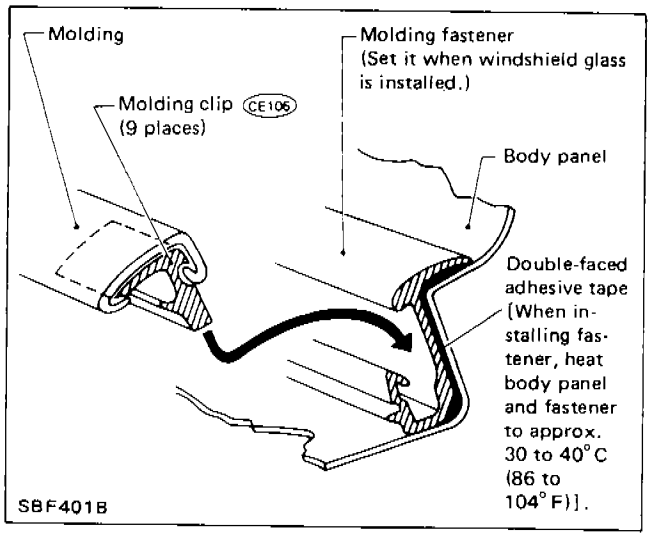
⑪ Back door window upper and side molding

Bonded on back door glass side.

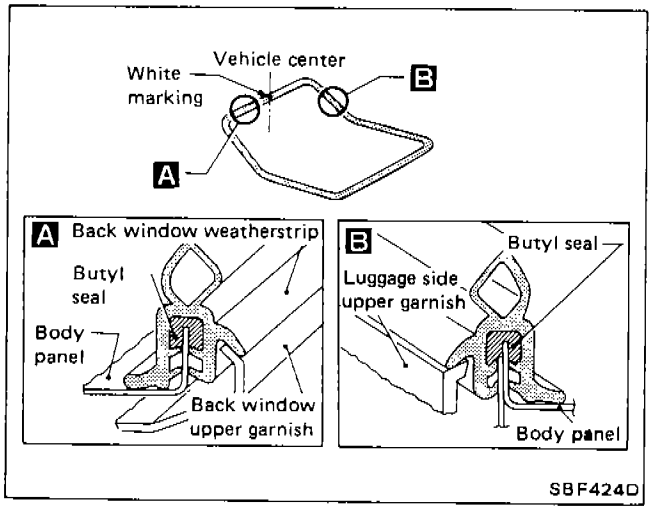
⑫ Rear panel finisher



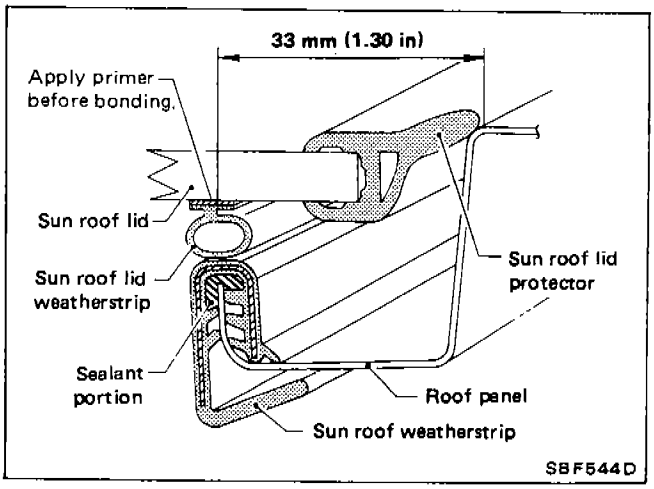
⑬ Back door window lower molding



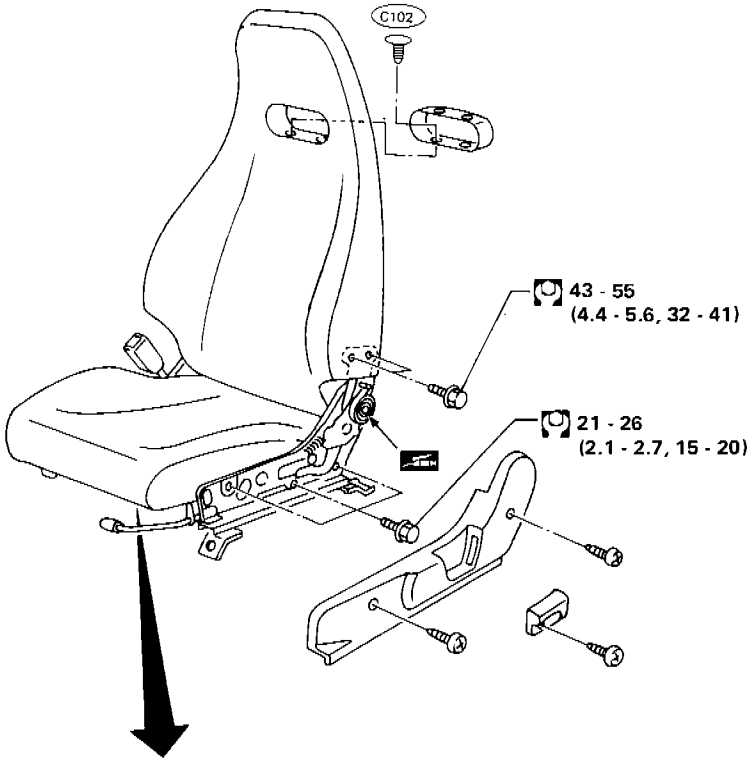
⑭ Back door weatherstrip

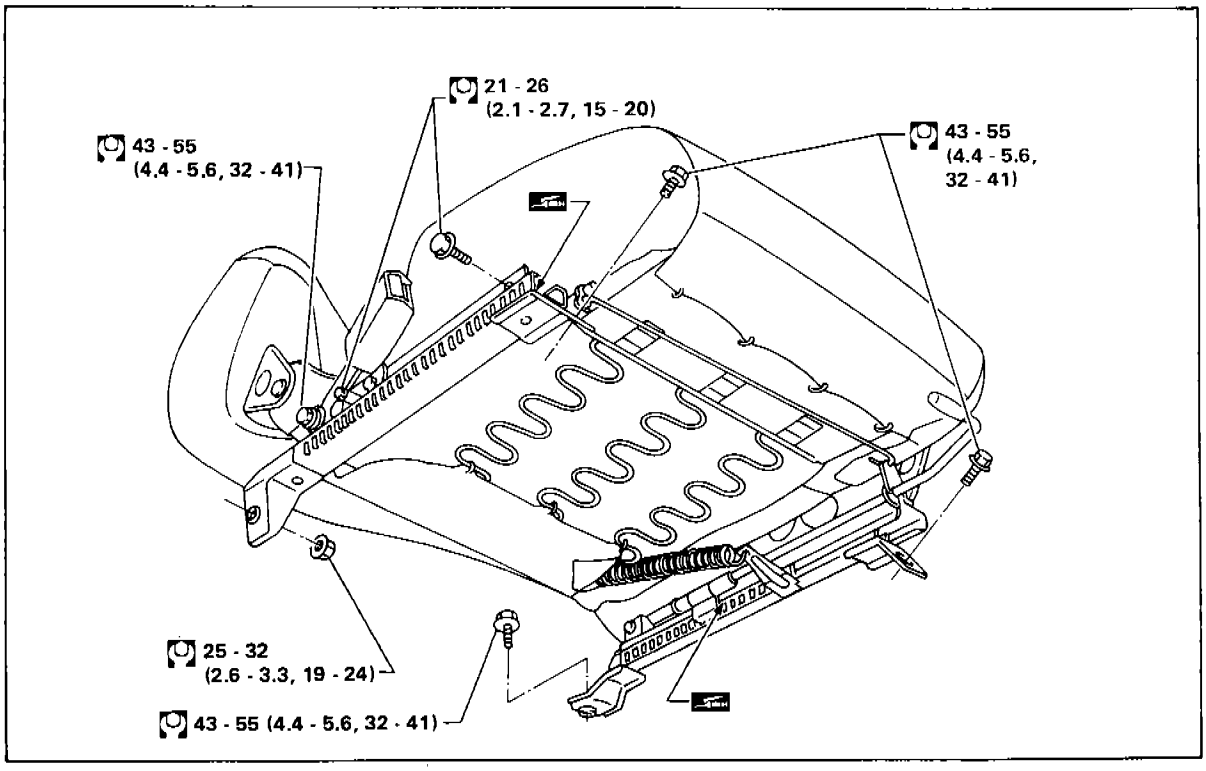


⑮ ⑯ Sun roof weatherstrip & lid weatherstrip



Front Seat





: N·m (kg-m, ft-lb)

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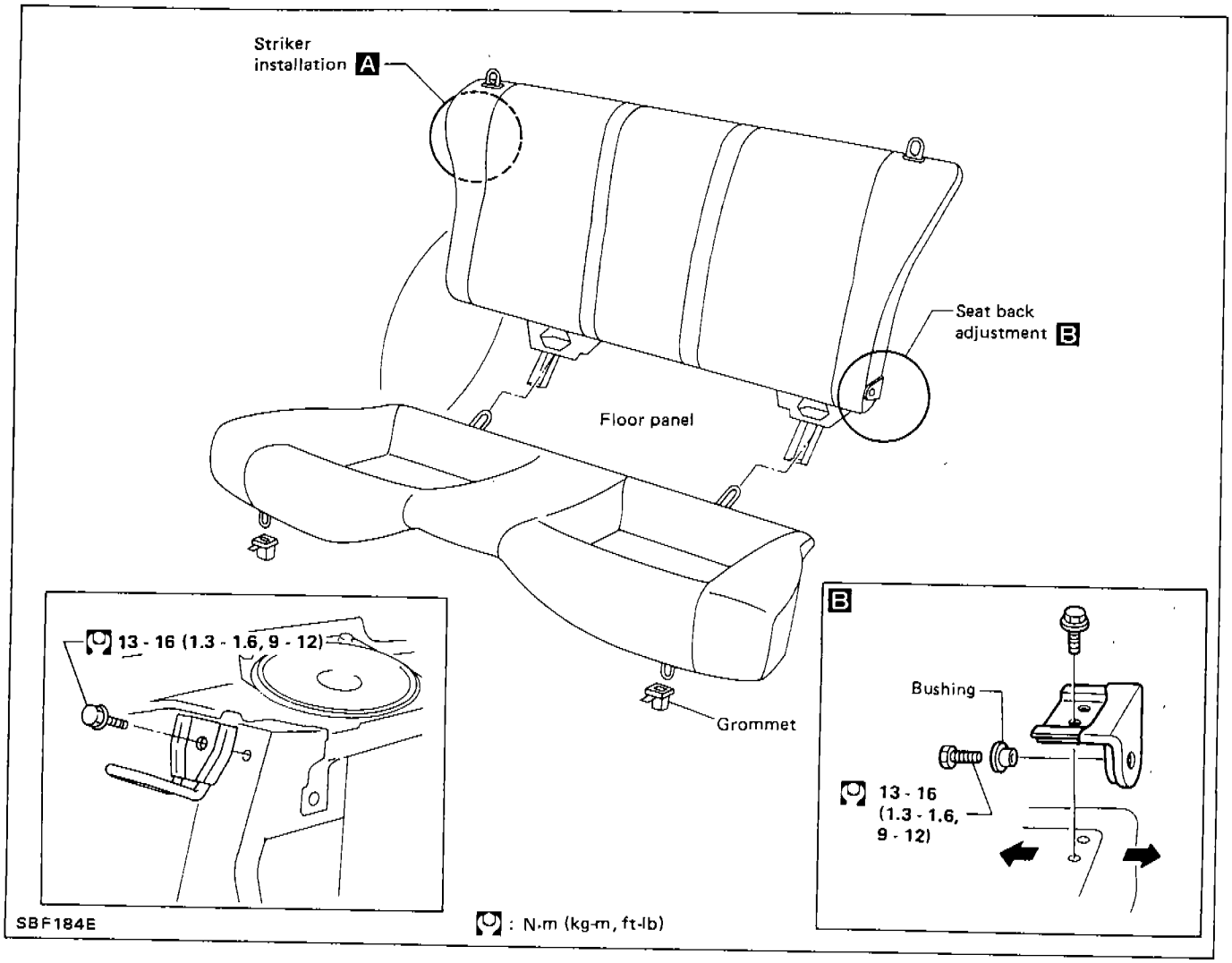
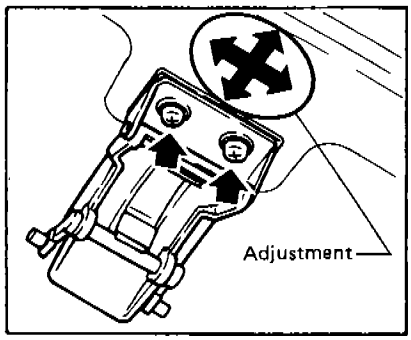
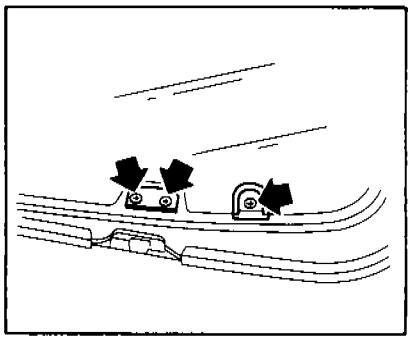
Rear Seat


Striker installation A
Seat back adjustment B
Floor panel
Grommet
13 - 16 (1.3 - 1.6, 9 - 12)
B
Bushing
13 - 16 (1.3 - 1.6, 9 - 12)
SBF184E
: N·m (kg-m, ft-lb)

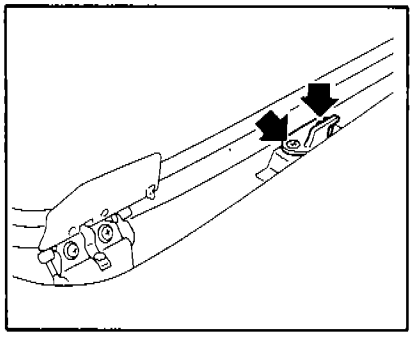
Handle adjustment



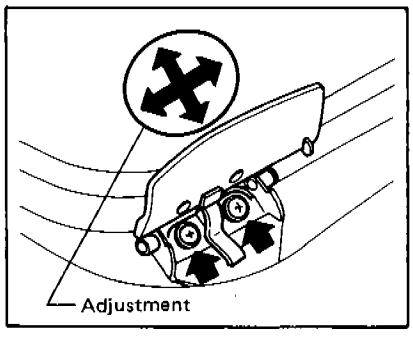
Female hinge

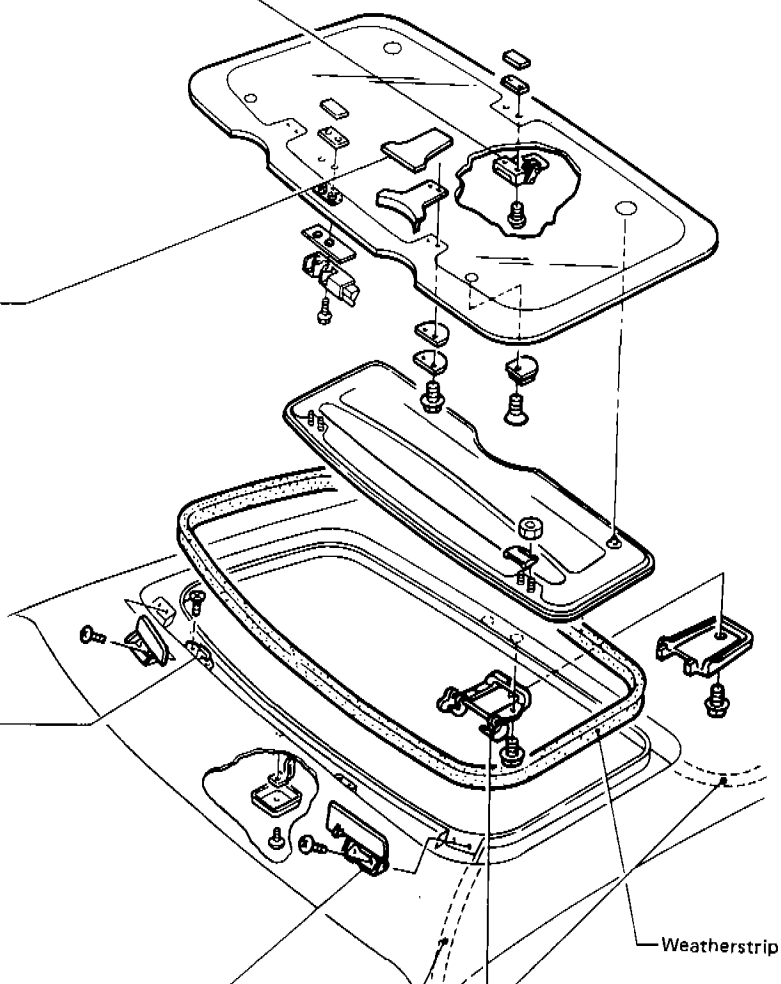


Hinge bracket



Air deflector adjustment



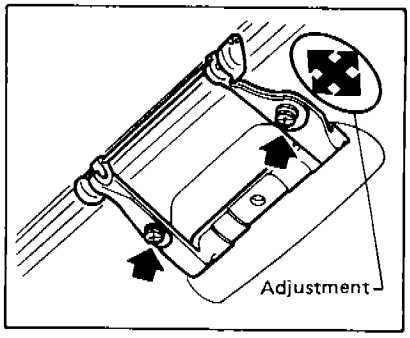


Weatherstrip

Handle base adjustment

Drain hose

- After installation of drain hoses, make sure water drains smoothly.



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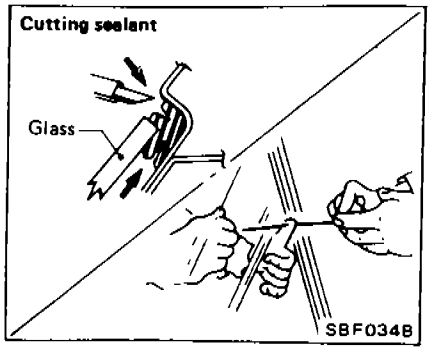
Windshield

REMOVAL

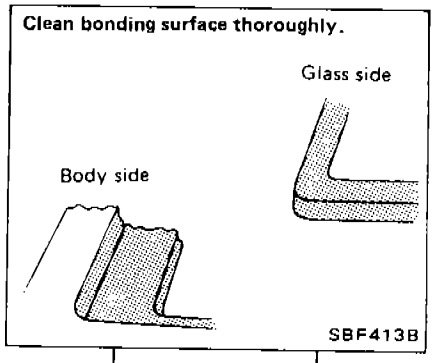
After removing moldings, remove glass.



CAUTION:
Be careful not to scratch glass when removing.

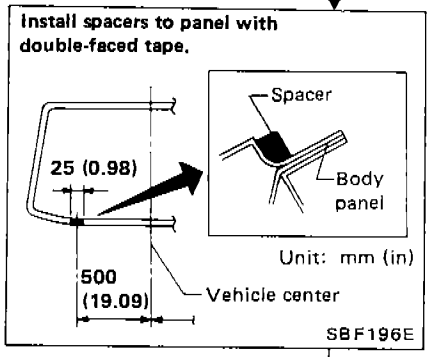
INSTALLATION

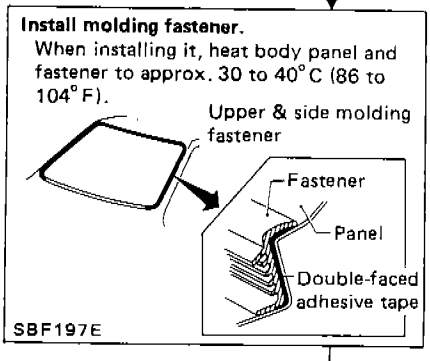
- Use genuine Nissan Sealant kit or equivalent. Follow instructions furnished with it.
- After installation, the vehicle should remain stationary for about 24 hours.
- Do not use sealant which is more than 12 months past its production date.
- Do not leave cartridge unattended with its cap open.
- Keep primers and sealant in a cool, dry place. Nissan recommends that they are stored in a refrigerator.
- Be sure to install moldings.



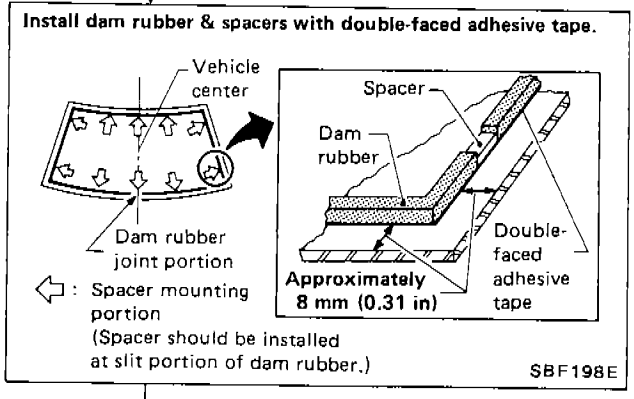
WARNING:
Keep heat or open flames away as primers are flammable.

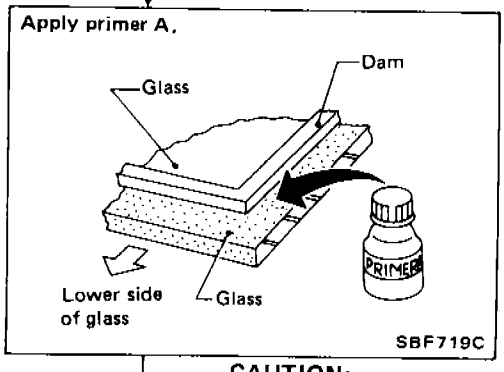
Body side





Glass side





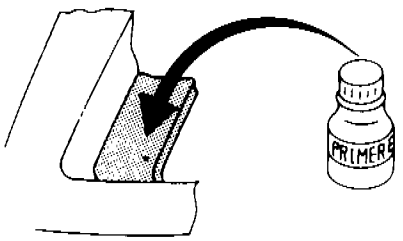
CAUTION:
Allow primers to dry for 10 to 15 minutes before proceeding to the next step.

Ⓐ Ⓑ

Windshield (Cont'd)

Ⓐ

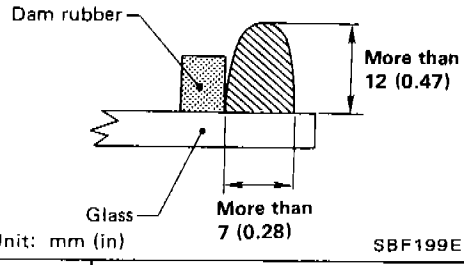
Apply primer E.



CAUTION:
Allow primers to dry for 10 to 15 minutes before proceeding to the next step.

Ⓑ

Apply sealant evenly.



CAUTION:
Windshield glass should be installed within 15 minutes of applying sealant: sealant starts to harden 15 minutes after it is applied.

Set glass in position and press glass lightly and evenly.

Check for water leakage.

CAUTION:
For sealant drying time, refer to "Drying Time for Sealant".

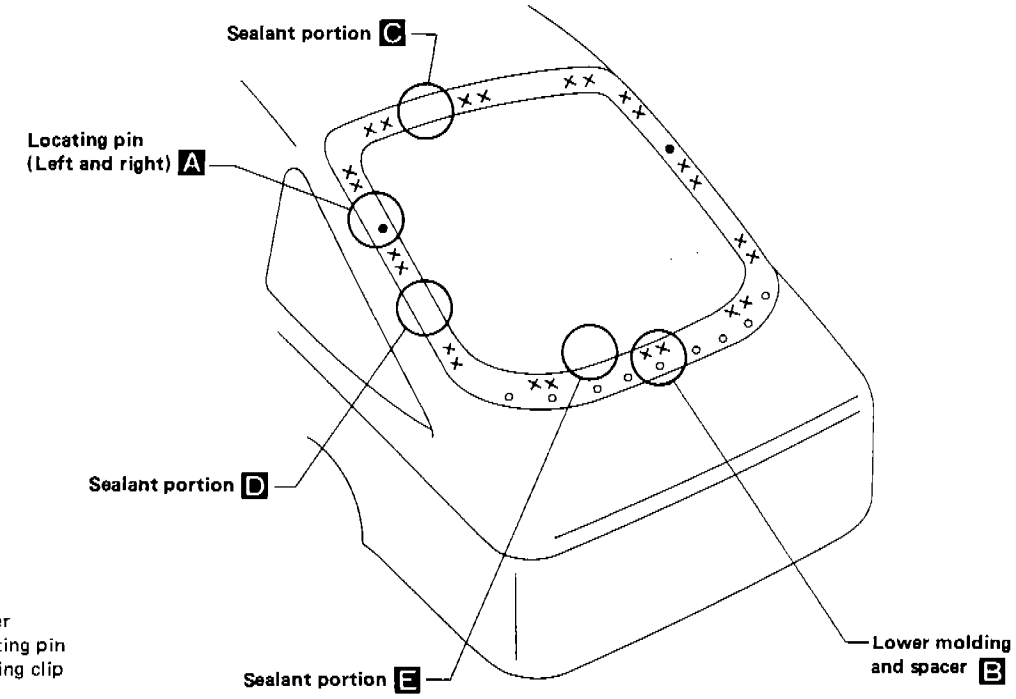
Apply sealant to upper & side molding fixing portion.

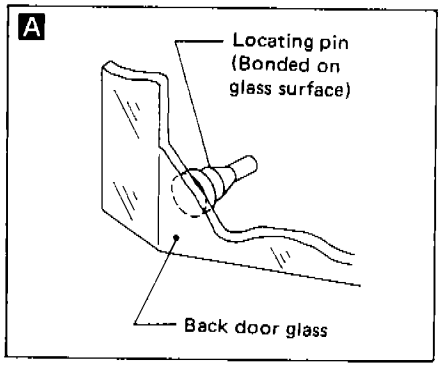
Install moldings.
(For details, refer to "Exterior".)

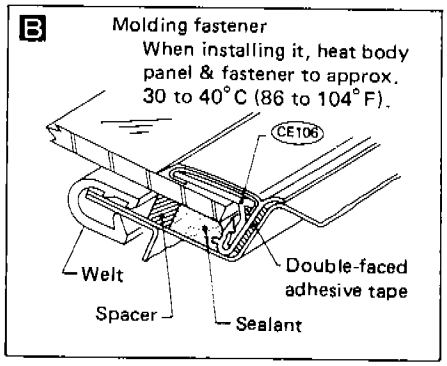
CAUTION:
Molding must be installed securely so that it is in position and leaves no gap.

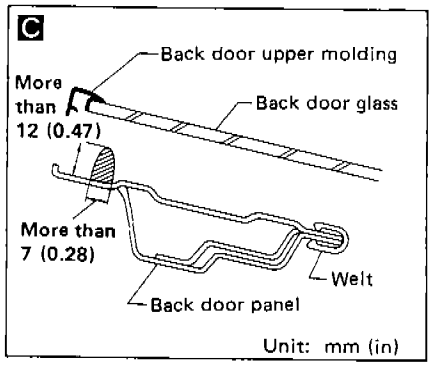
Back Door Window

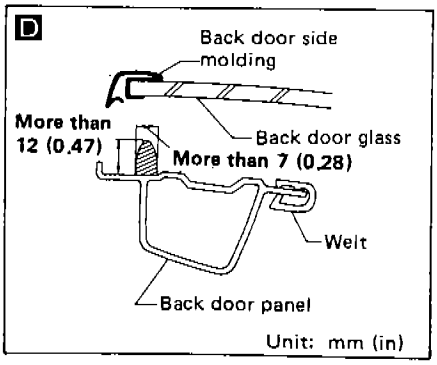
- Construction and removal/reinstallation method of back door window are basically the same as those of windshield.
- Major differences are that sealant & dam rubber are installed to back door panel instead of glass surface. Spacer position is also changed. Moreover, there are locating pins in lower portion of glass. For details, refer to following figure.
- For sealant drying period, refer to "Drying Time for Sealant".
- For details of moldings, refer to "Exterior".

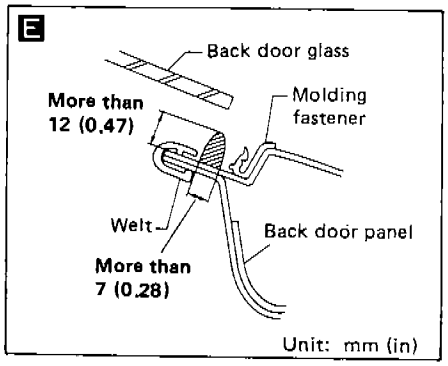












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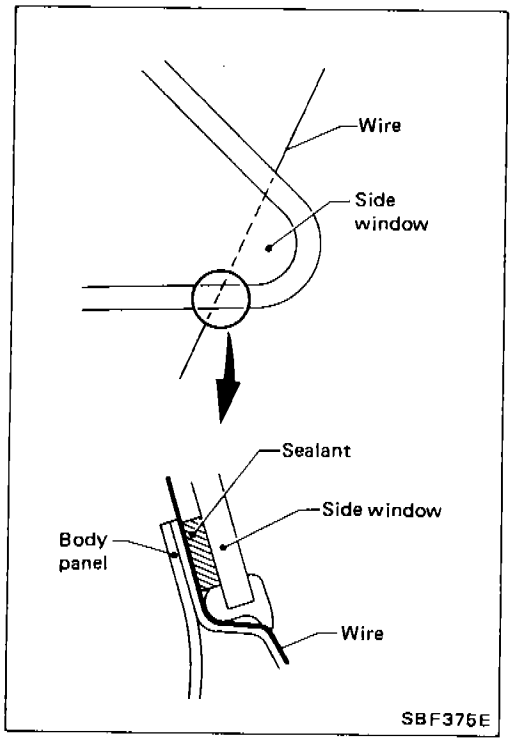
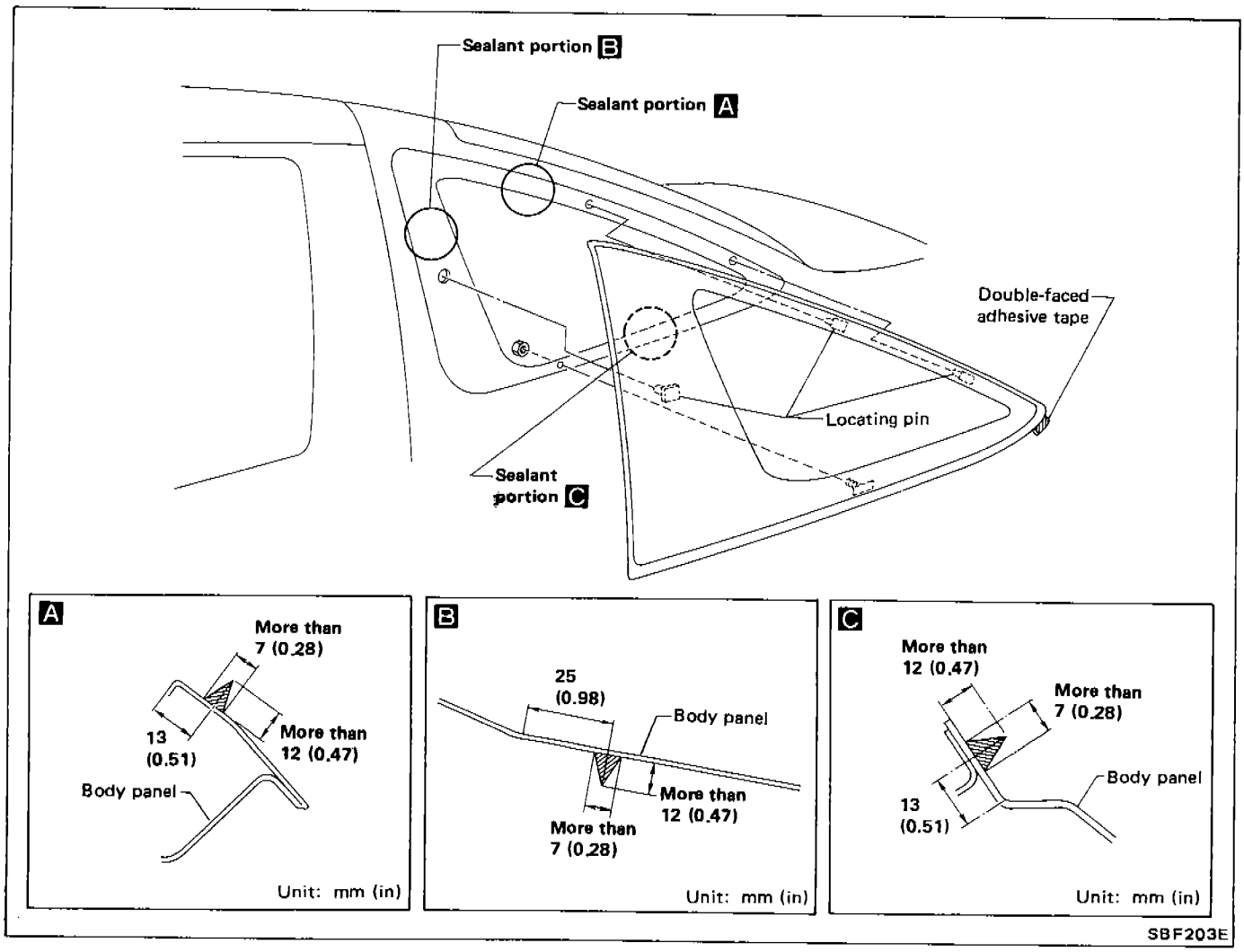


Side Window

Side window is a molded type. During removal or installation, observe the following instructions.

1. Cut sealant in the same manner as that outlined under "Windshield.".
2. Be careful not to scratch molding when cutting sealant. If molding is scratched, repair.
3. Remove clips and locating pins which have been exposed from vehicle body.



Drying Time for Sealant

Reference: Time required for sealant to dry to desired hardness.

Unit: days

Temperature °C (°F) \ Relative humidity %	90	50	25
40 (104)	1.5	2.5	5.0
25 (77)	2.5	4.0	7.5
5 (41)	5.0	13.0	20.5

CAUTION:

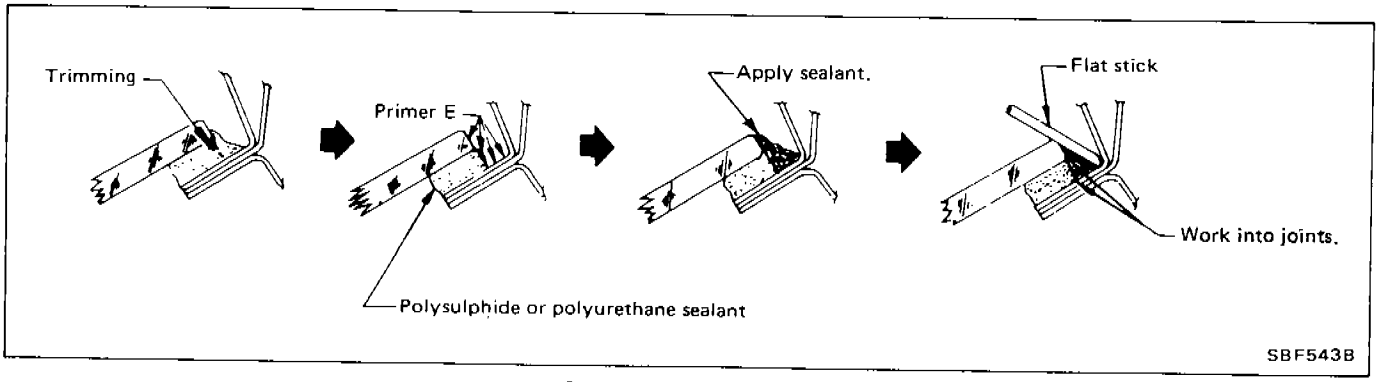
Advise the user of the fact that vehicle should not be driven on rough roads or surfaces until sealant has properly vulcanized.

Repairing Water Leaks for Windshield and Back Door Window

Leaks can be repaired without removing and reinstalling glass.

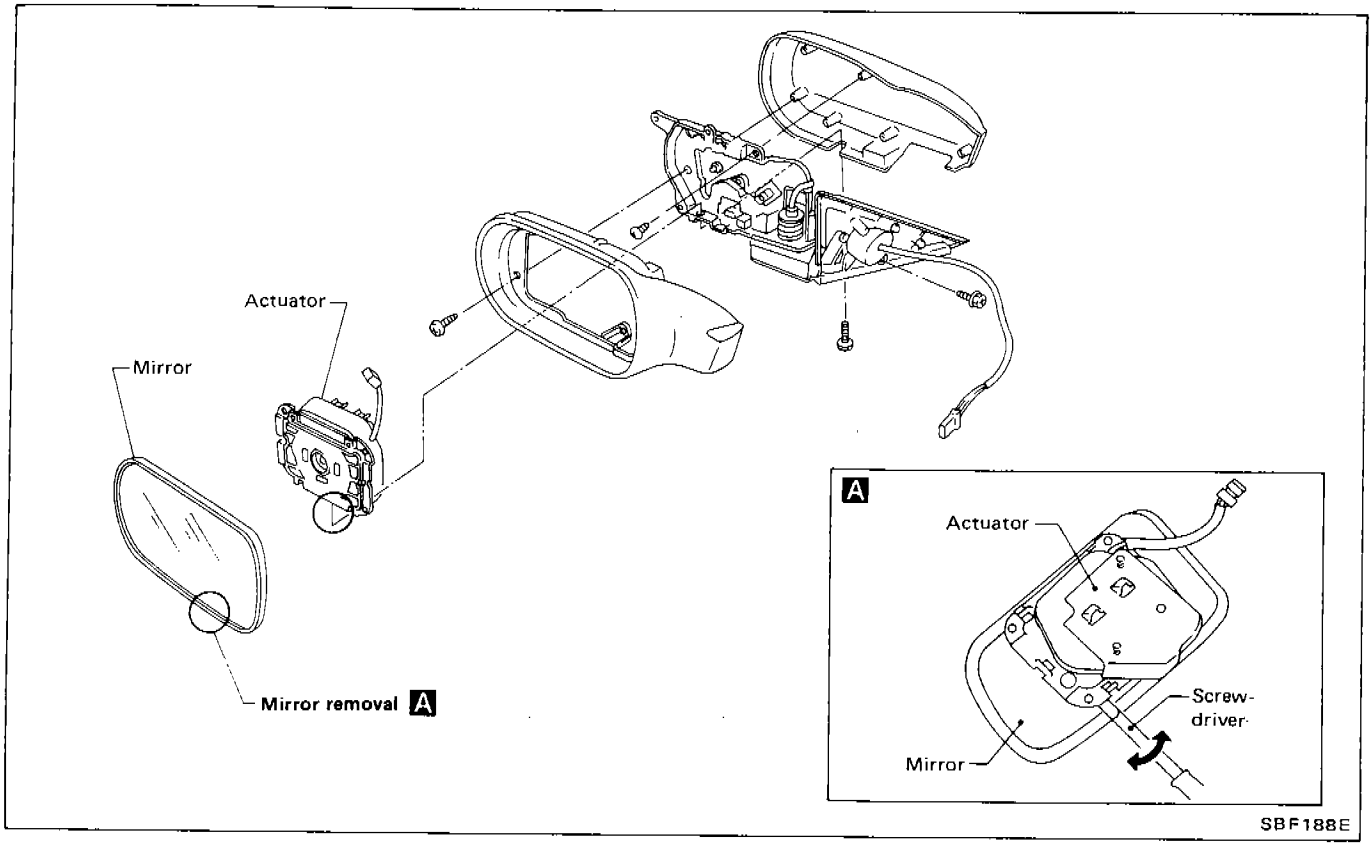
If water is leaking between caulking material and body or between glass and caulking material, determine the extent of the leak by applying water while pushing glass outward.

To stop the leak, apply primer and then sealant to the leak point.

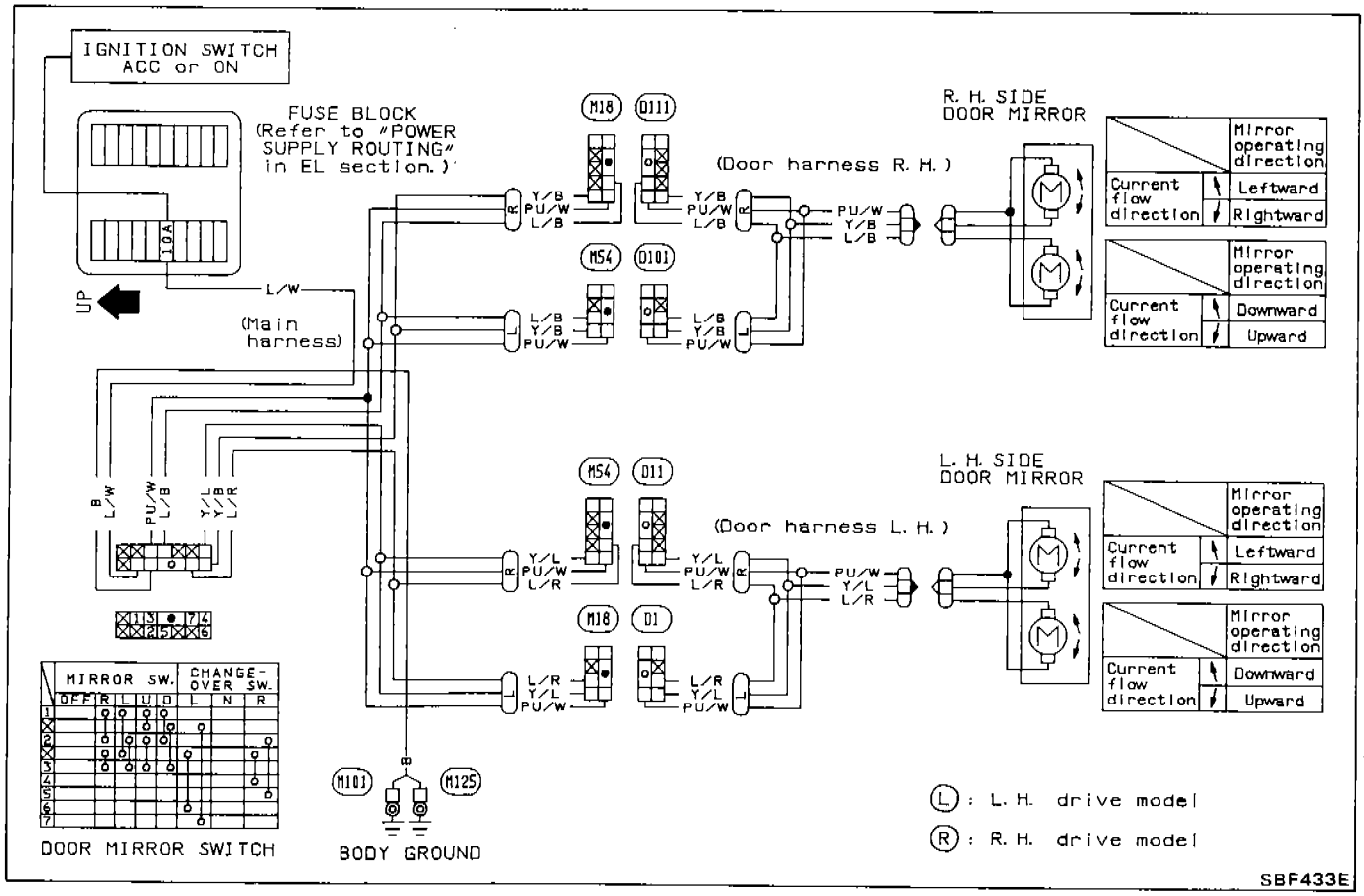


Afterwards, install molding securely.

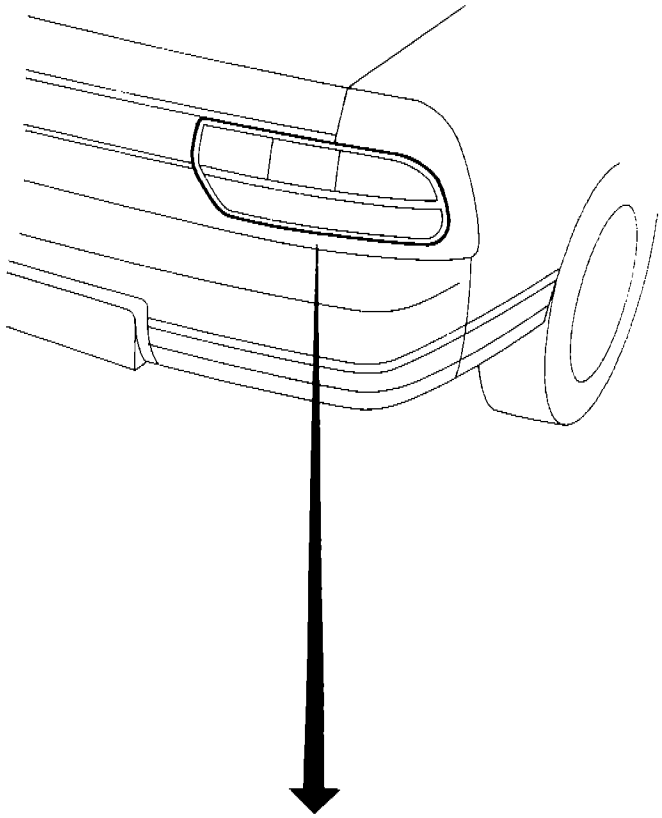
Door Mirror



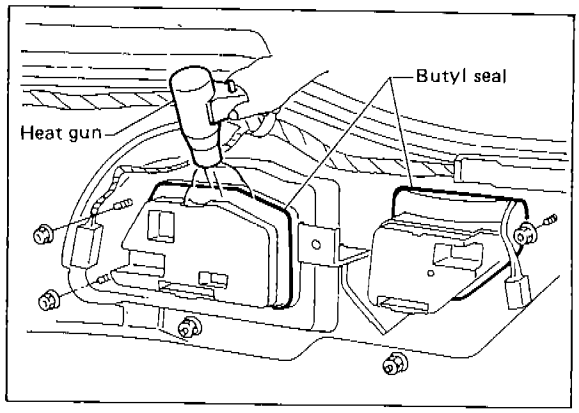
WIRING DIAGRAM



- Rear combination lamps are installed with nuts and butyl sealant.

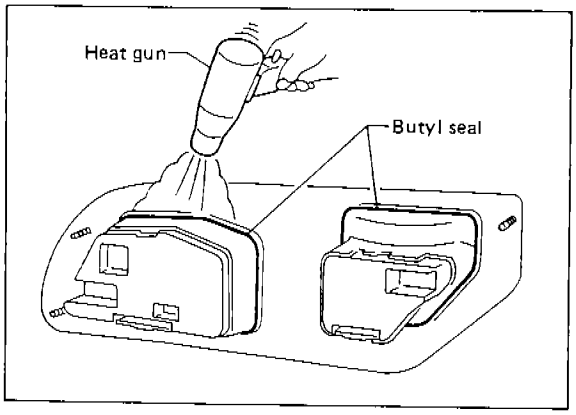


Removal



- **Warm up lamp assembly area to a temperature of a little below 60°C (140°F).**

Installation



- **Apply butyl seal evenly as it tends to become thin in the corners.**
- **Warm up lamp assembly area to a temperature of a little below 60°C (140°F).**

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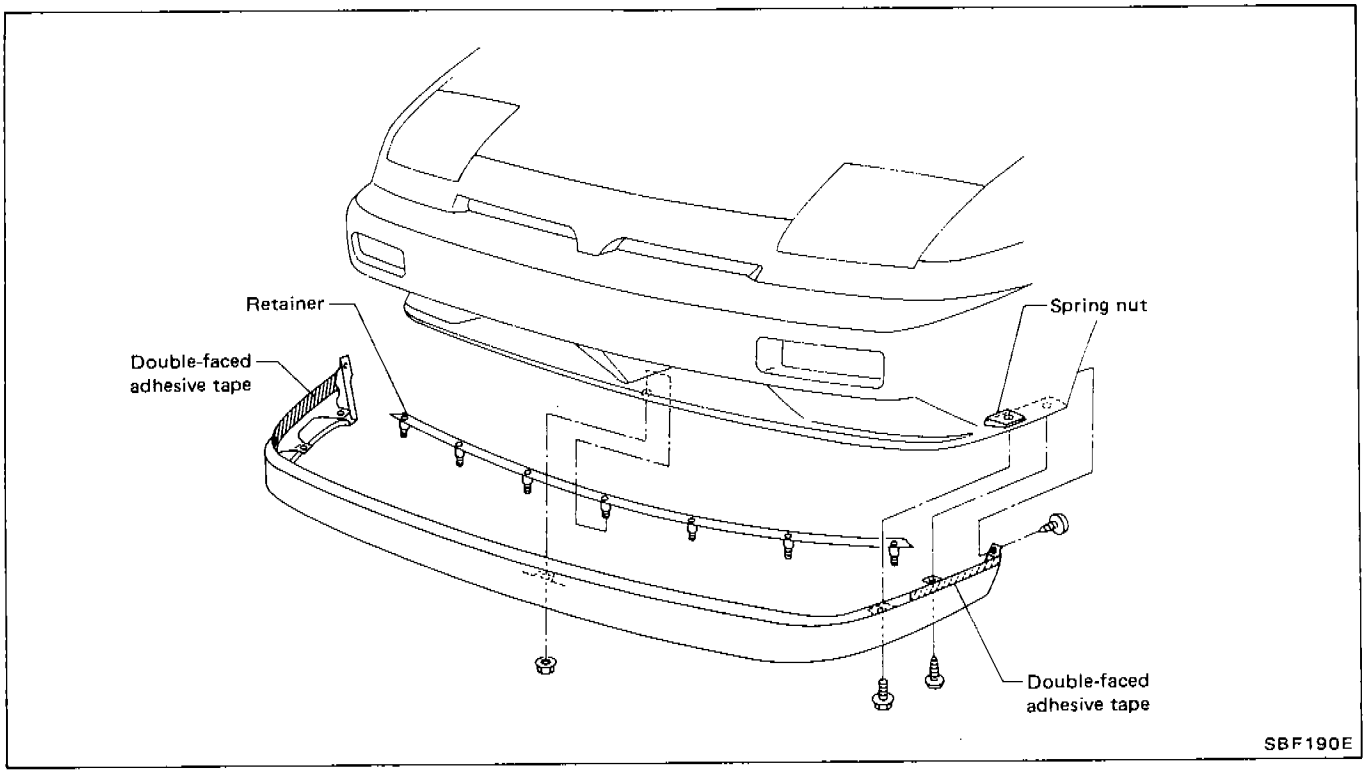
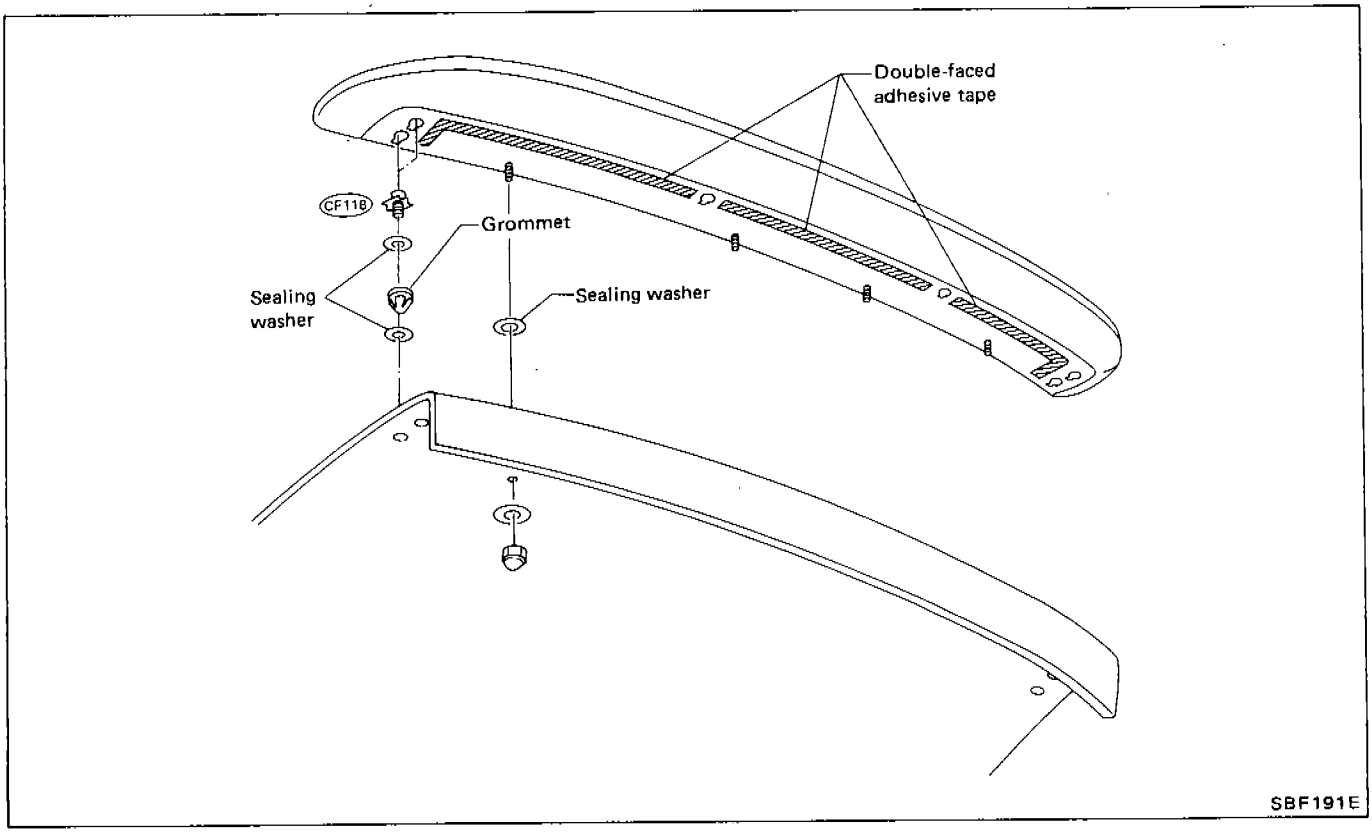
- When installing, make sure that there are not gaps or waves at ends of air spoiler.
- Before installing spoiler, clean and remove oil from surface where spoiler will be mounted.

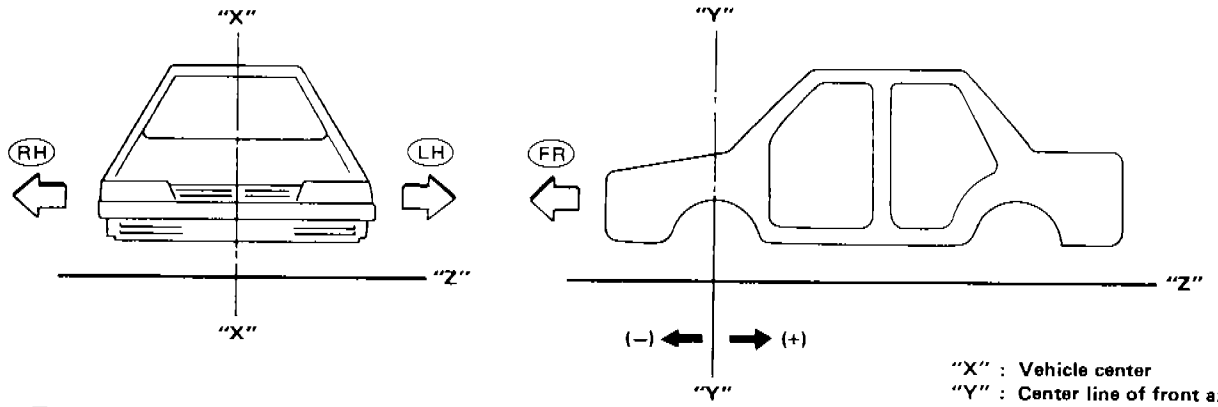
FRONT AIR SPOILER



REAR AIR SPOILER



- All dimensions indicated in figures are actual ones.
- When a tram tracking gauge is used, adjust both pointers to equal length and check the pointers and gauge itself to make sure there is no free play.
- When a measuring tape is used, check to be sure there is no elongation, twisting or bending.
- Measurements should be taken at the center of the mounting holes.
- An asterisk (*) following the value at the measuring point indicates that the measuring point on the other side is symmetrically the same value.
- The coordinates of the measurement points are the distances measured from the standard line of "X", "Y" and "Z".

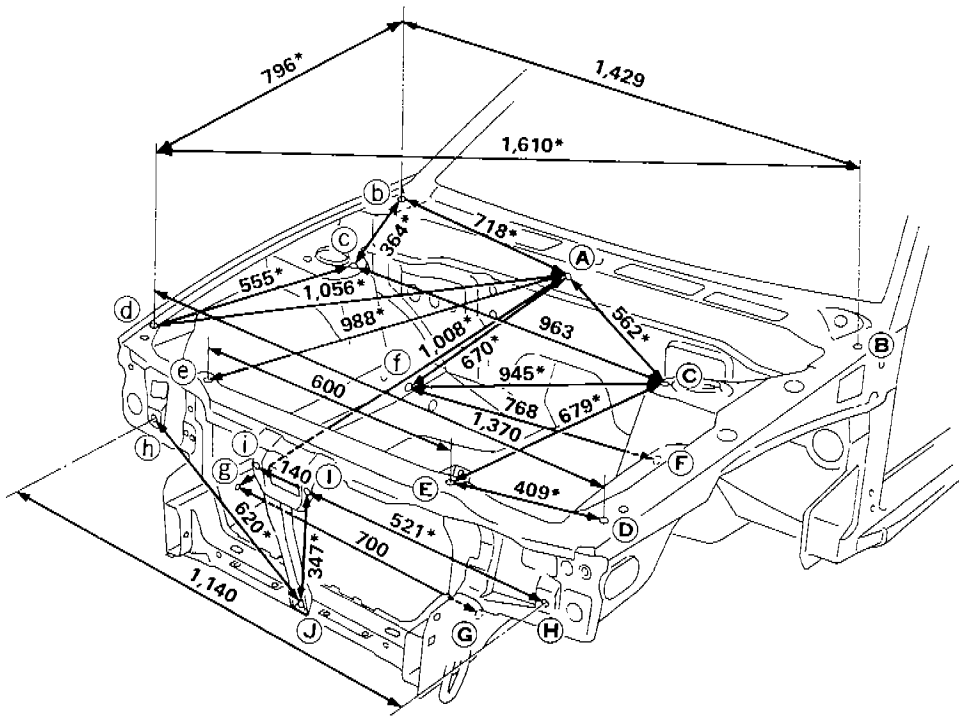


(LH) : L.H. side
(RH) : R.H. side

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

Engine Compartment

MEASUREMENT



Unit: mm

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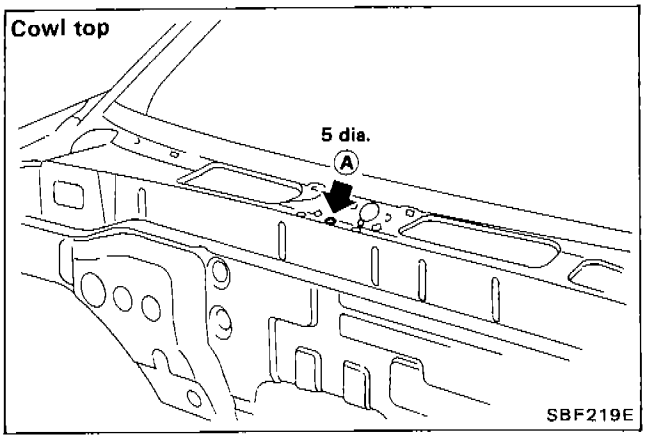
Engine Compartment (Cont'd)

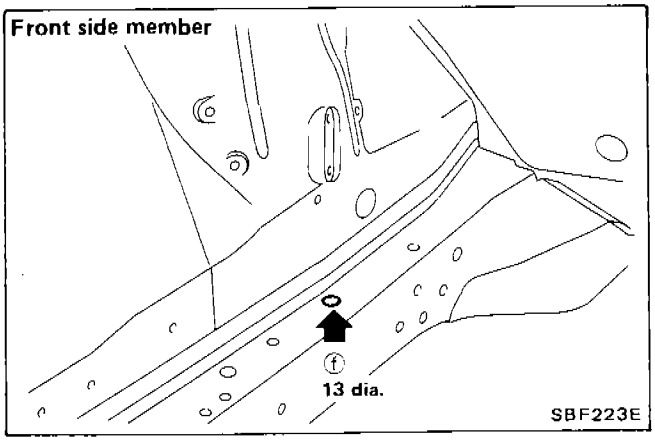
MEASUREMENT POINTS

Unit: mm

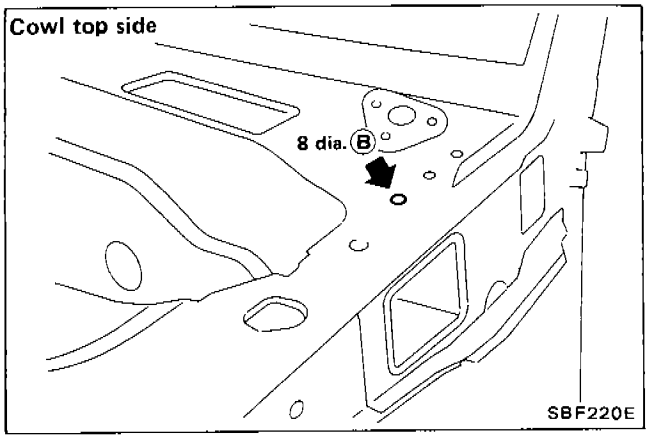
Cowl top



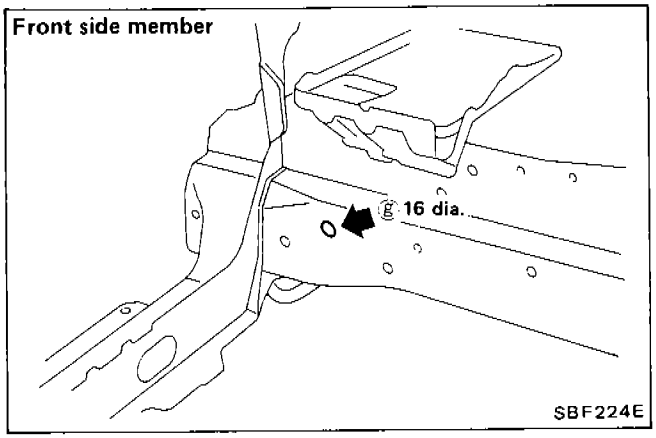
Front side member



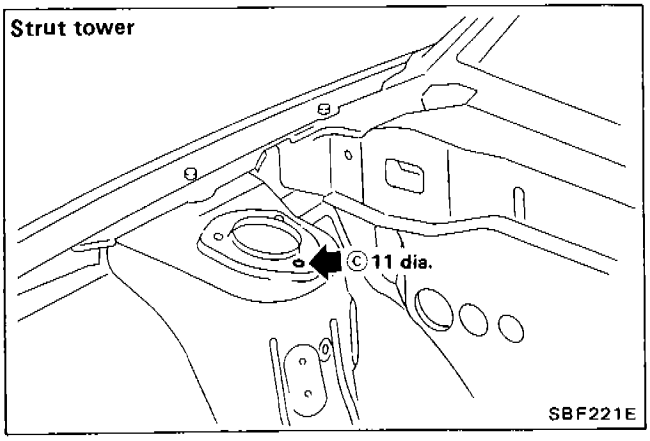
Cowl top side



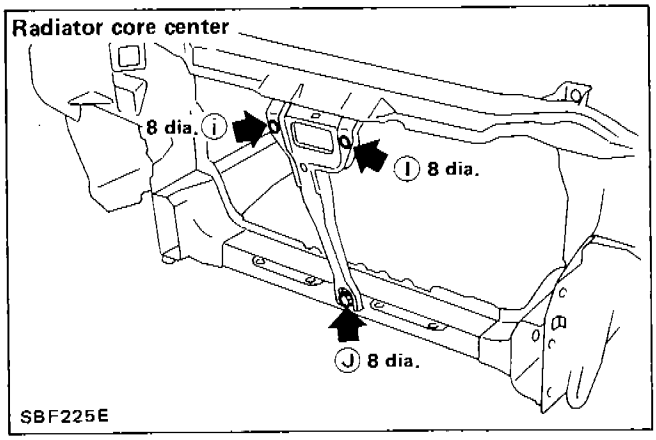
Front side member



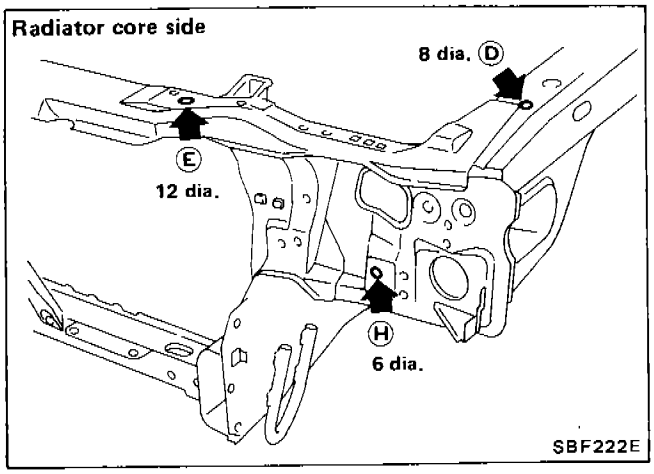
Strut tower



Radiator core center

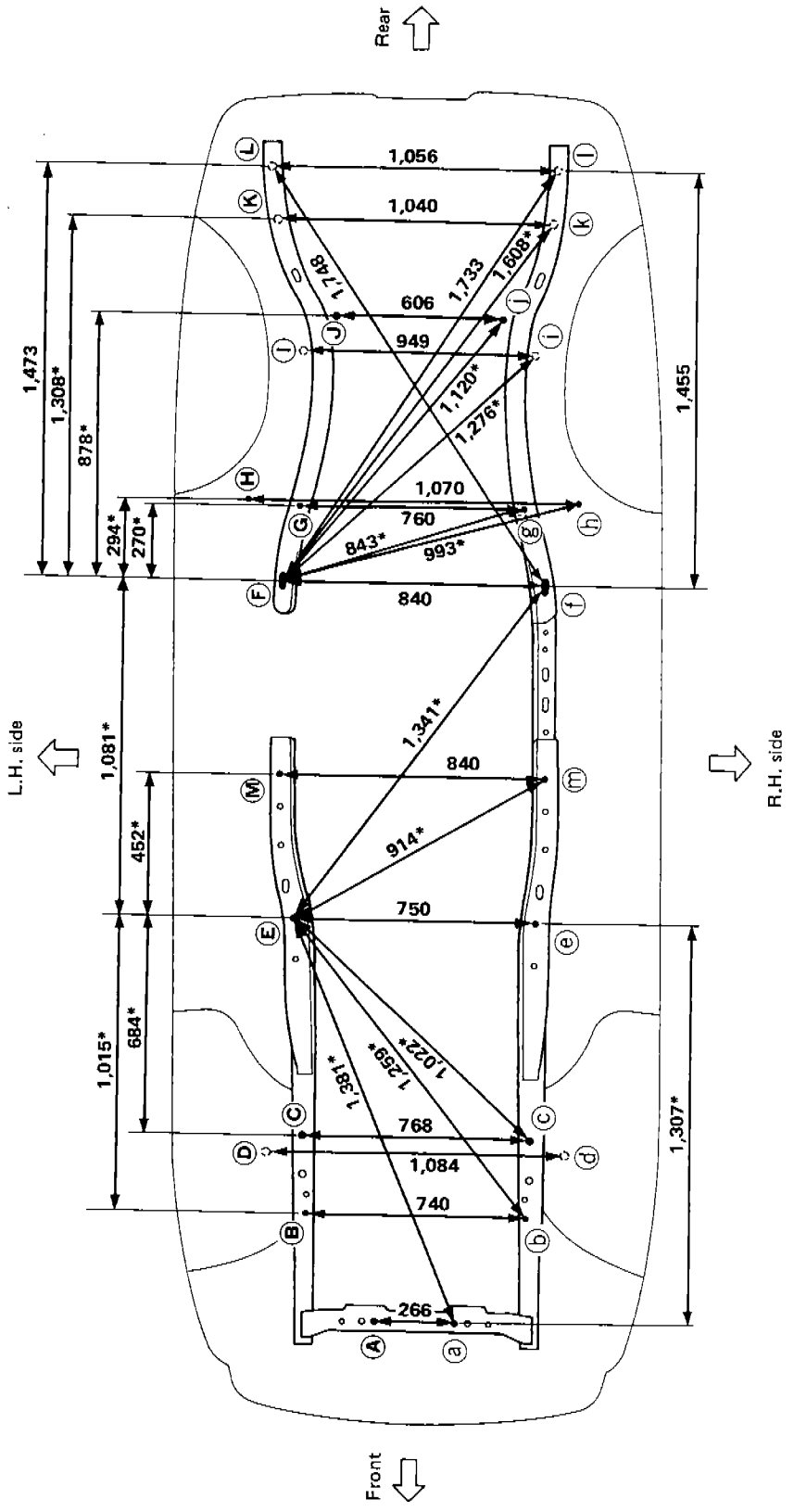


Radiator core side



Underbody

MEASUREMENT



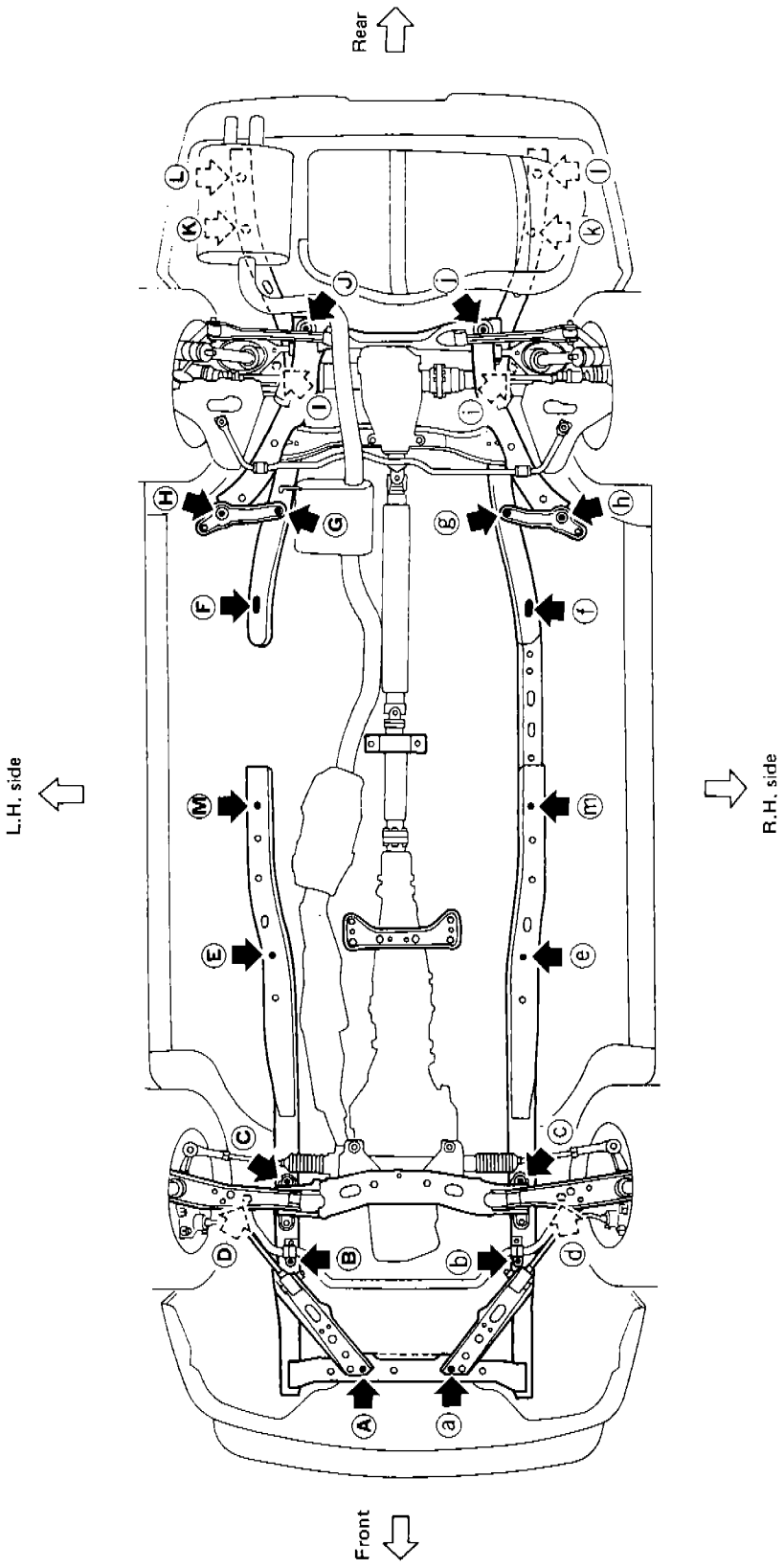
Unit: mm

All dimensions indicated in these figures are actual ones.
(There are no projected dimensions.)

SBF389EA

Underbody (Cont'd)

MEASUREMENT POINTS



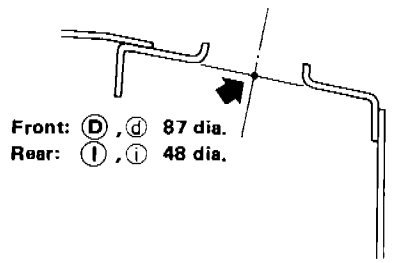
SEF390E

Underbody (Cont'd)

Unit: mm

Front and rear strut tower centers

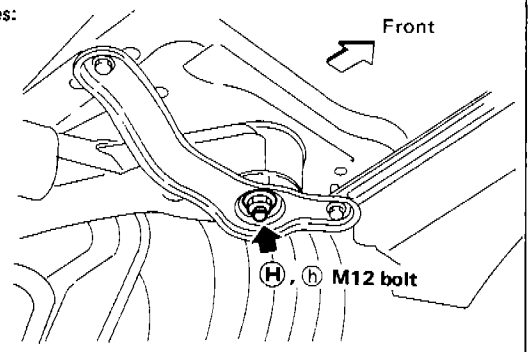
Coordinates:
Ⓓ, ⓓ
X: 542.2
Y: 63.5
Z: 725.7
Ⓘ, ⓘ
X: 474.5
Y: 2,500
Z: 658.9



SBF119C

Rear suspension member front mounting bolt threaded end

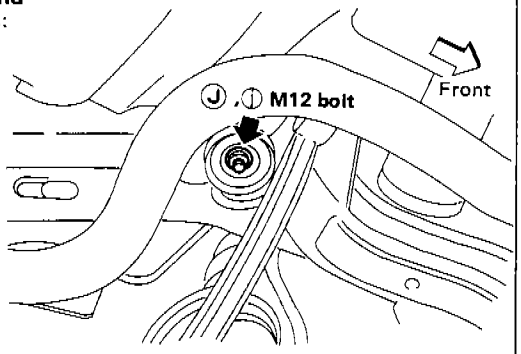
Coordinates:
Ⓗ, ⓗ
X: 535
Y: 2,050
Z: 116.3



SBF226E

Rear suspension member rear mounting bolt threaded end

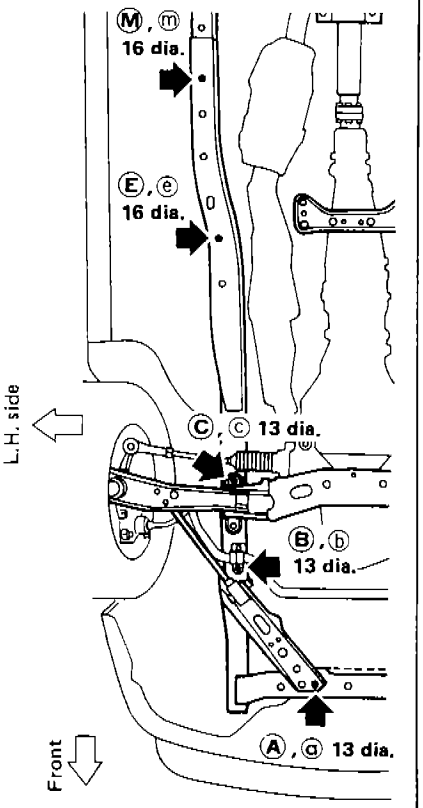
Coordinates:
Ⓙ, ⓙ
X: 303
Y: 2,635
Z: 265.8



SBF227EA

Front side member and front extension

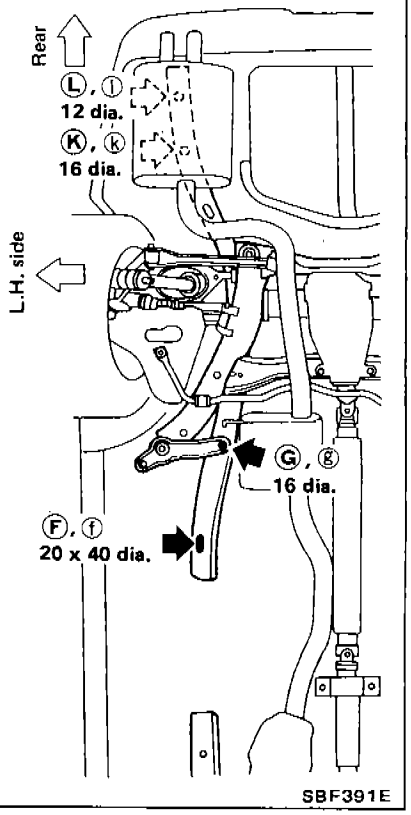
Coordinates:
Ⓐ, ⓐ
X: 132.9
Y: −582
Z: 189
Ⓑ, ⓑ
X: 370
Y: −304
Z: 255
Ⓒ, ⓒ
X: 384.2
Y: 32
Z: 255
Ⓔ, ⓔ
X: 375
Y: 700
Z: 106.2
Ⓜ, ⓜ
X: 420
Y: 1,150
Z: 106.2



SBF271E

Center side member, rear side member and rear extension

Coordinates:
Ⓕ, ⓕ
X: 420
Y: 1,780
Z: 101.5
Ⓖ, ⓖ
X: 380
Y: 2,030
Z: 195.8
Ⓚ, ⓚ
X: 520
Y: 3,050
Z: 398.8
Ⓛ
X: 528
Y: 3,221
Z: 386
Ⓘ
X: 528
Y: 3,200
Z: 400



SBF391E