

## SECTION **BF**

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**When you read wiring diagrams:**

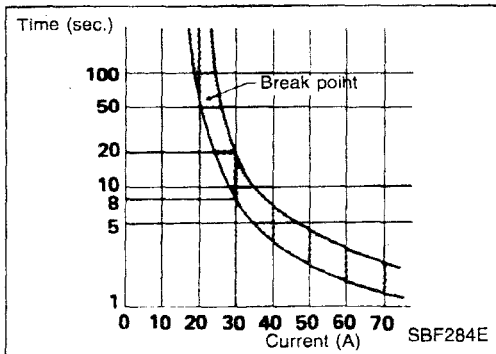
- Read GI section, "HOW TO READ WIRING DIAGRAMS".
- See EL section, "POWER SUPPLY ROUTING" for power distribution circuit.

★ 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 while installing parts.
- When applying sealing compound, be careful that the sealing compound does not protrude from between 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

- 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			<p>Removal: Remove by bending up with a flat-bladed screwdriver.</p> <p>SBFR094B</p>
C102		 	<p>Removal: Pull up by rotating</p> <p>SBF115B</p>
C106		 	<p>Removal: Remove with flat-bladed screwdrivers or pliers.</p> <p>SBF091B</p>

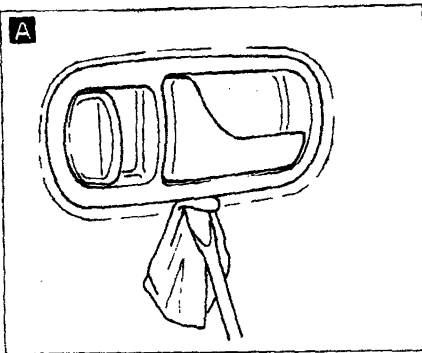
# GENERAL SERVICING

## Clip and Fastener (Cont'd)

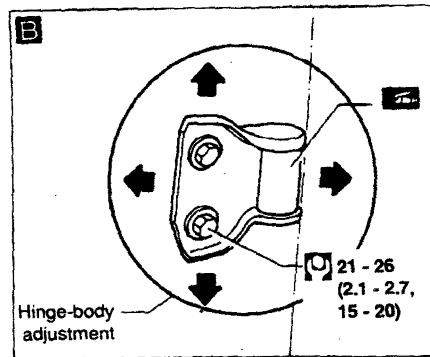
C201			<p><b>Removal:</b> Flat-bladed screwdrivers</p> <p>Body panel</p> <p>SBF242B</p>
C203			<p><b>Removal:</b> Push center pin to catching position. (Do not remove center pin by hitting it).</p> <p><b>Installation:</b></p> <p>SBF708E</p>
CG101			<p><b>Removal:</b></p> <p>Rotate 45° to remove</p> <p><b>Installation:</b></p> <p>SBF085B</p>
CE117			<p><b>Removal:</b> Remove with a flat-bladed screwdriver or pliers.</p> <p>SBF175L</p>
CR103			<p><b>Removal:</b> Holder portion of clip must be spread out to remove rod.</p> <p>SBF770B</p>
CS103			<p><b>Removal:</b> Screw out with a Phillips screwdriver</p> <p>SBF140B</p>

# DOOR Door

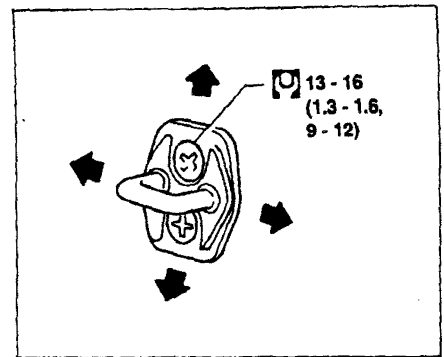
## Inside handle installation



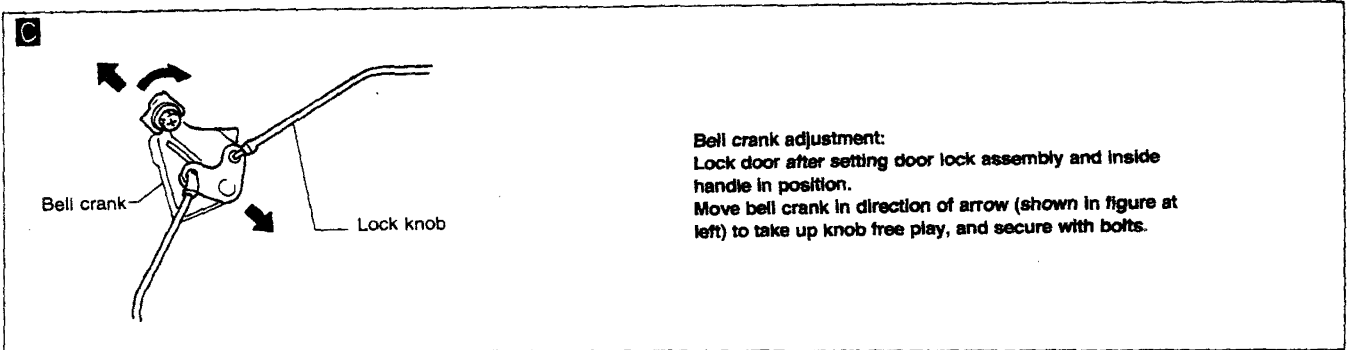
## Door adjustment



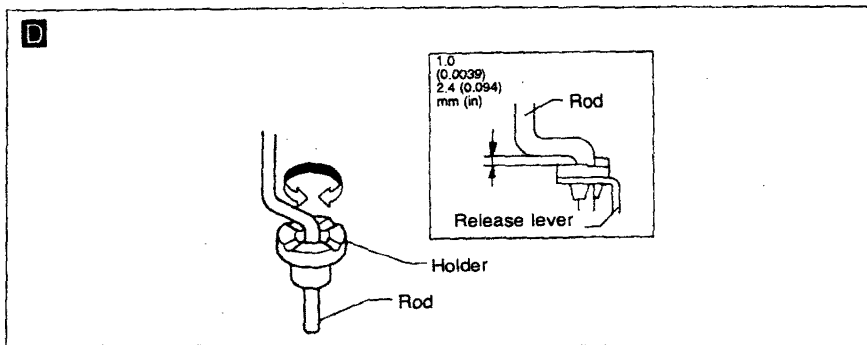
## Striker adjustment



## Bell crank adjustment



## Outside handle adjustment



: N·m (kg-m, ft-lb)

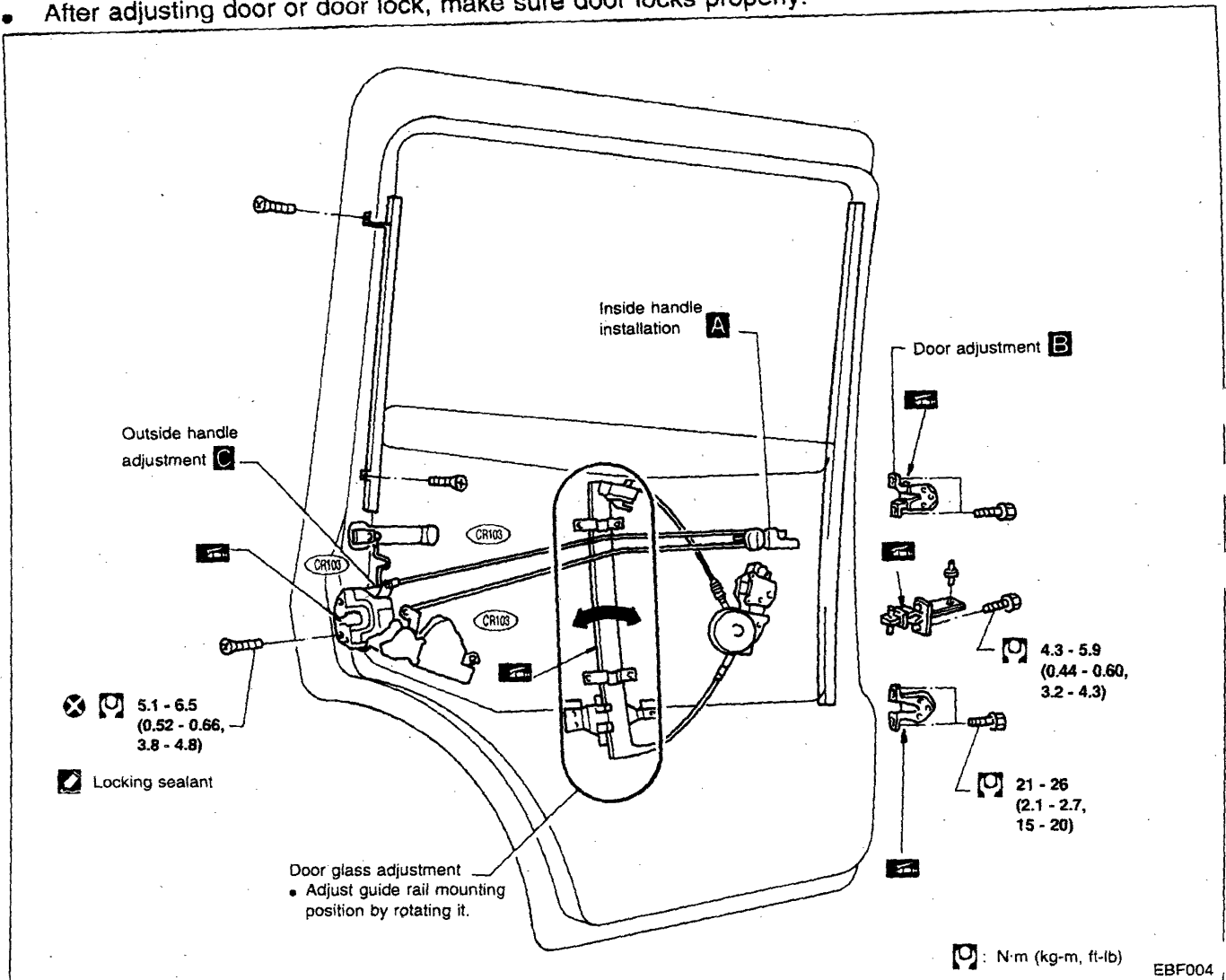
EBF003

# DOOR

## Rear Door

### WAGON

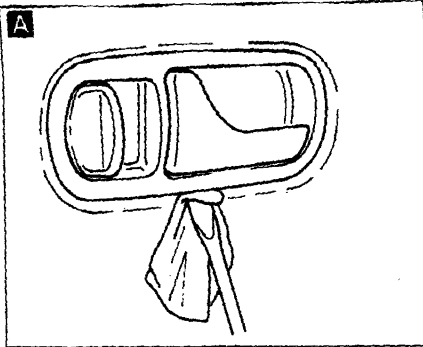
- After adjusting door or door lock, make sure door locks properly.



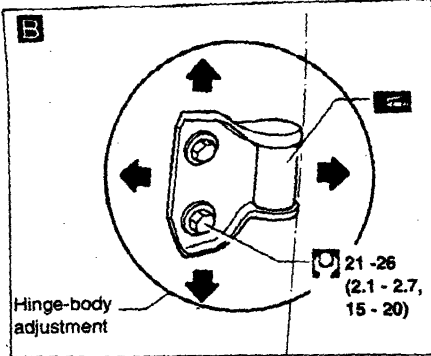
# DOOR

## Rear Door (Cont'd)

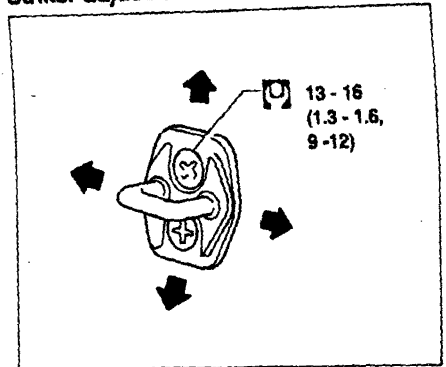
### Inside handle installation



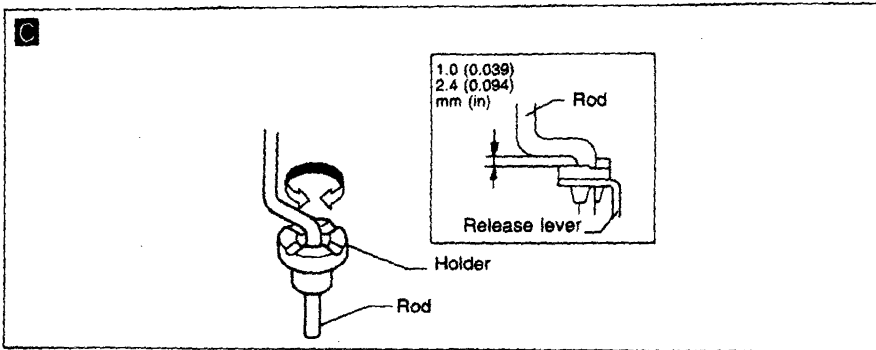
### Door adjustment




### Striker adjustment



### Outside handle adjustment



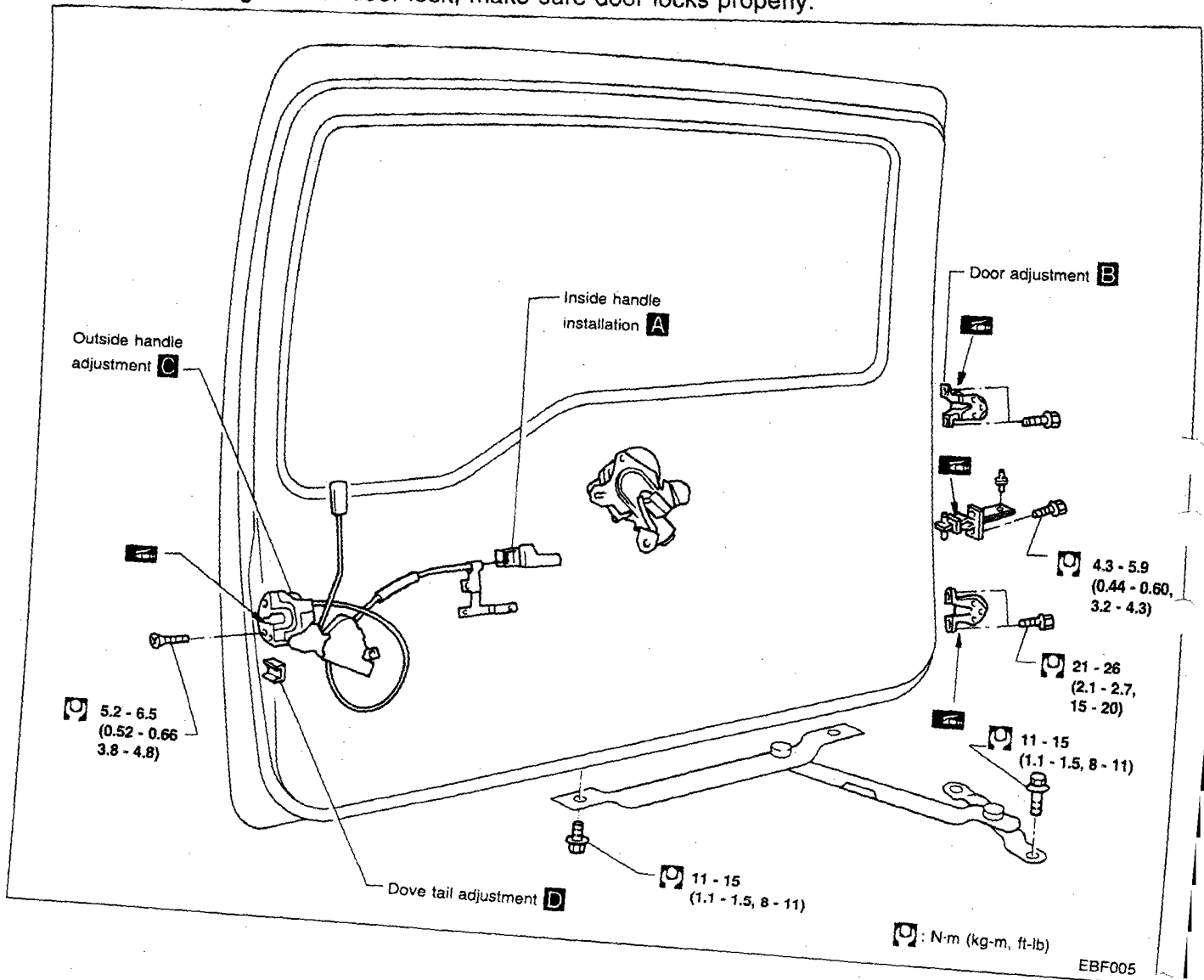
: N·m (kg-m, ft-lb)

EBF004

# DOOR

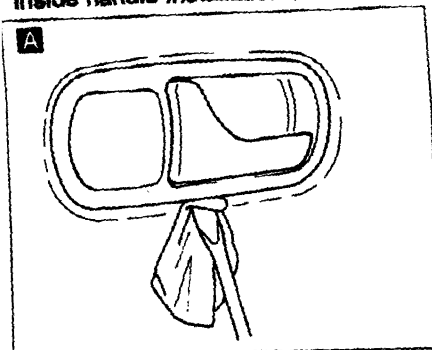
## Back Door

- After adjusting door or door lock, make sure door locks properly.

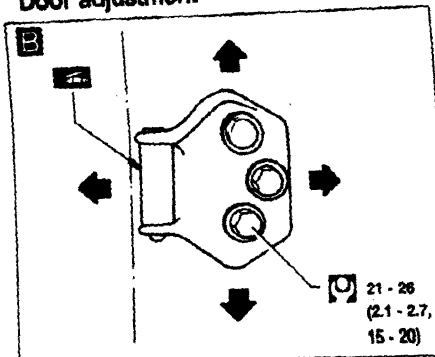


# DOOR

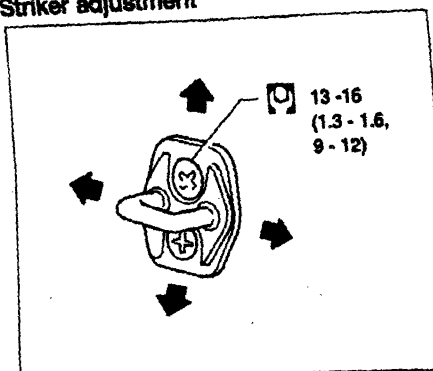
## Inside handle installation



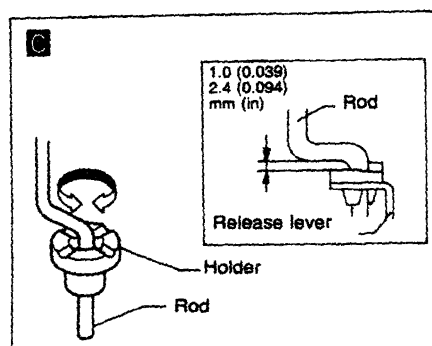
## Door adjustment



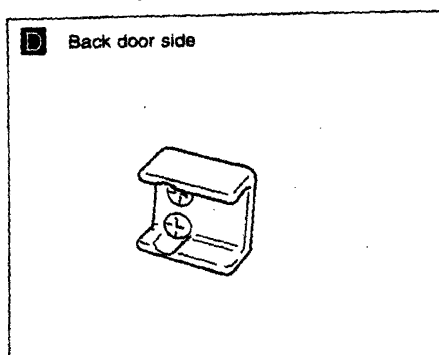
## Striker adjustment



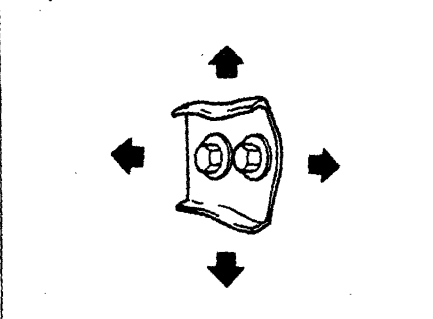
## Outside handle adjustment



## Dove tail adjustment



## Body side



: N·m (kg-m, ft-lb)

EBF005



## DOOR

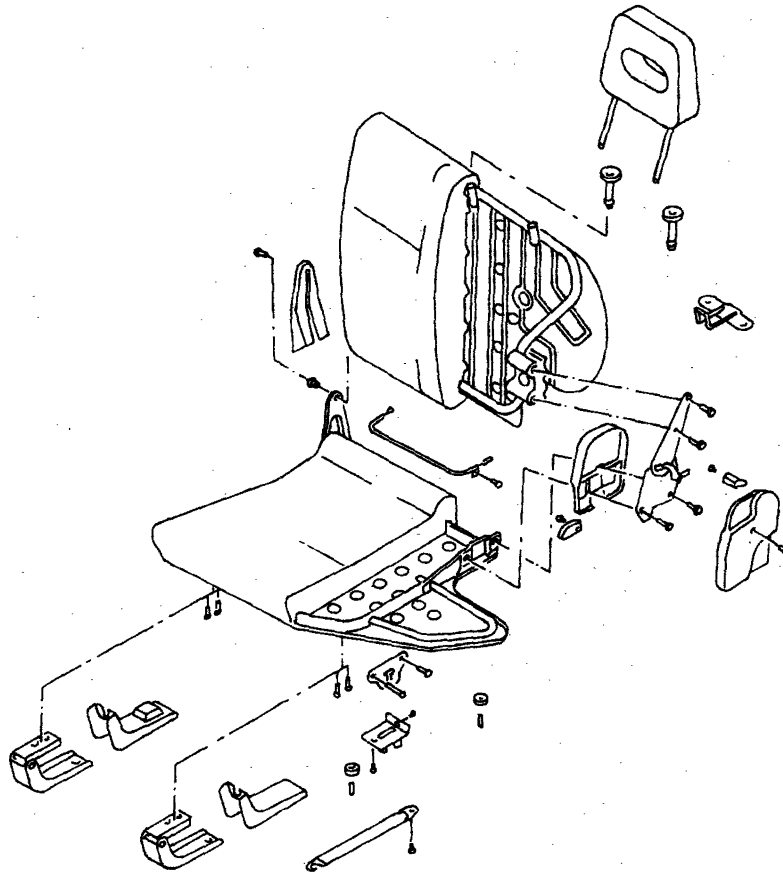
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### NOTE:

# SEAT

## Second Seat (Cont'd)

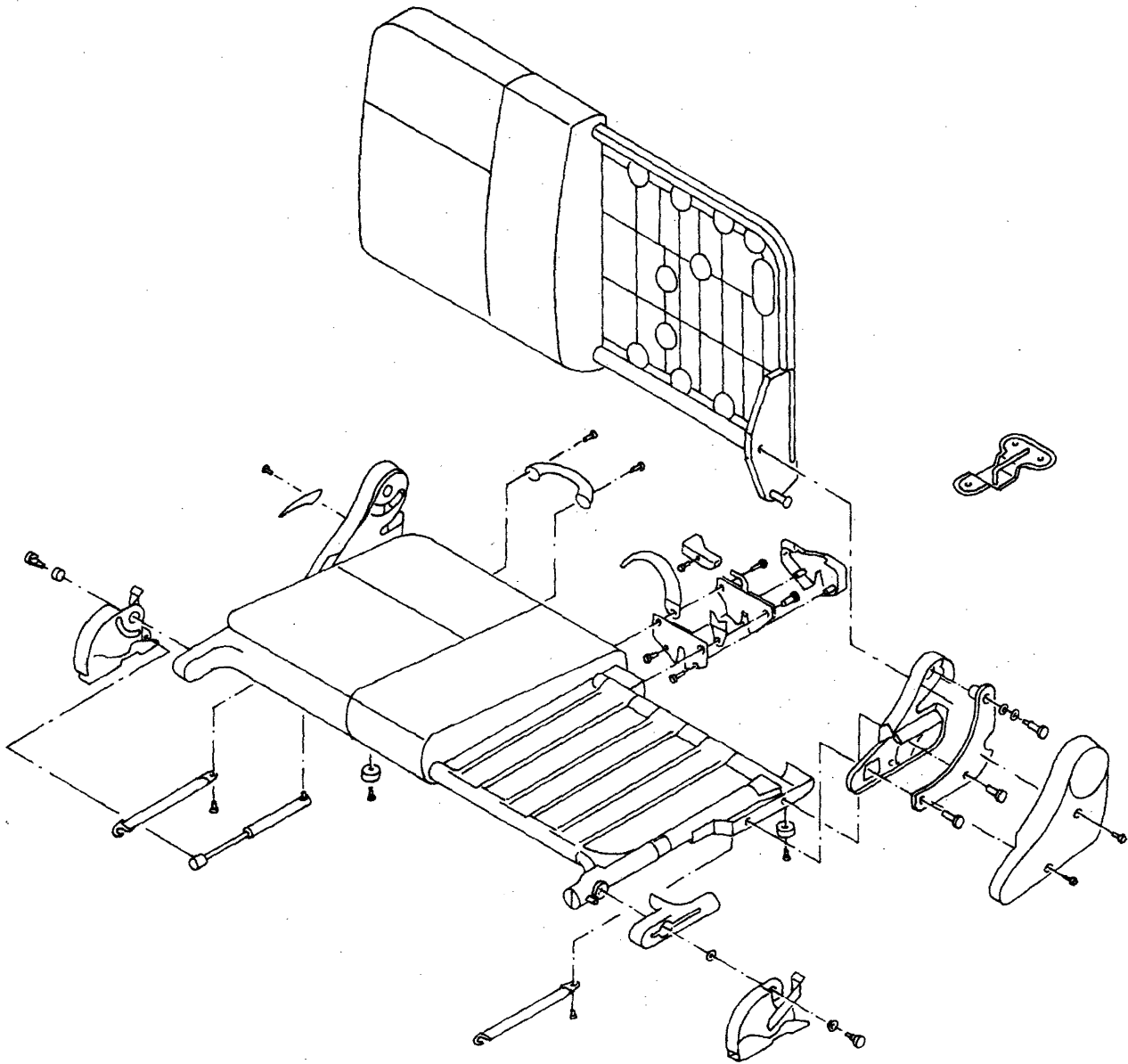
Type 2 (Wagon)



EBF025

# SEAT

## Third Seat



EBF026

BF-40

# SUN ROOF

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

## CAUTION:

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

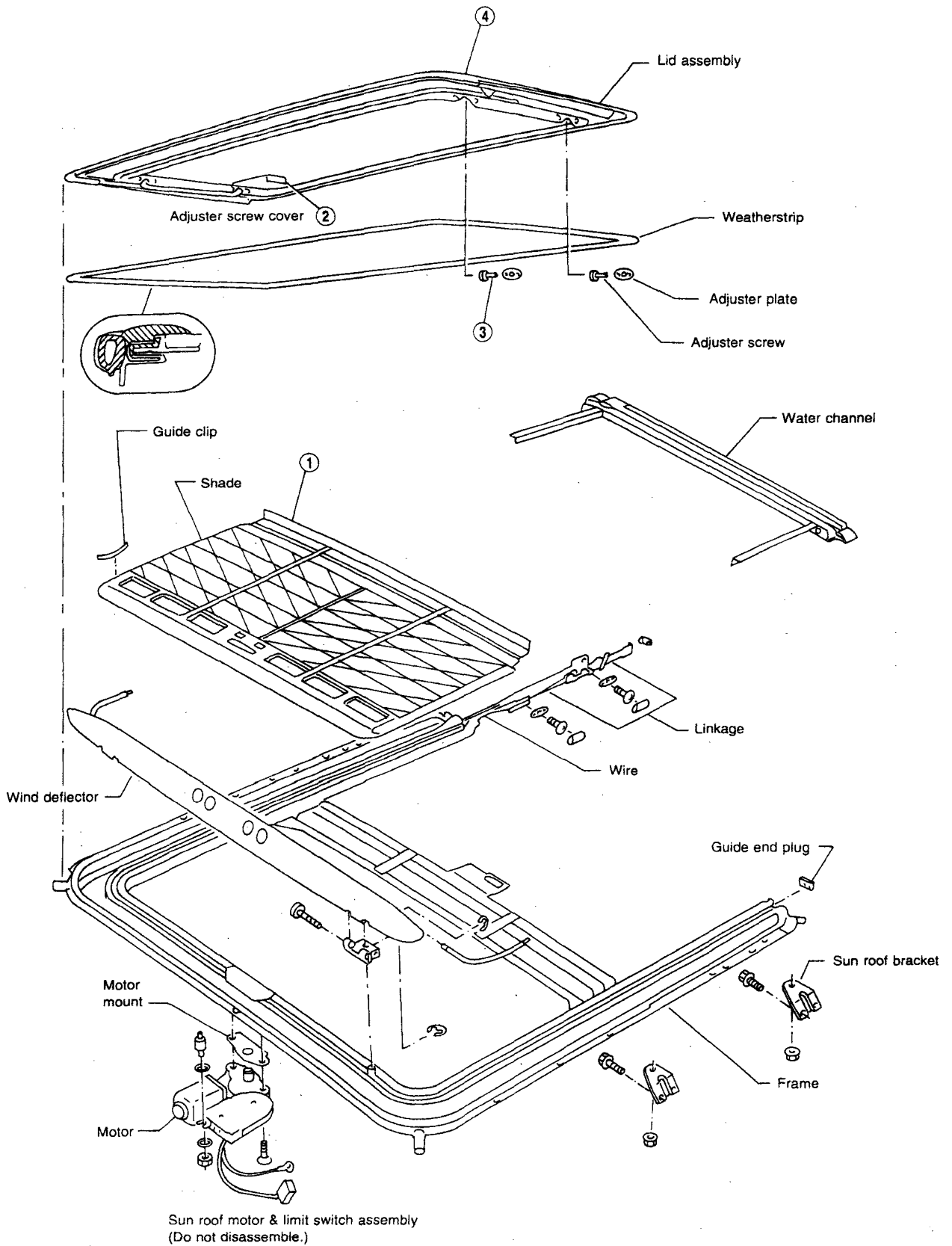
## REMOVAL – Sun roof lid assembly

- ① Open sun roof shade.
- ② Close sun roof lid, and remove adjustment screw covers.
- ③ Remove the four adjuster screws.
- ④ Remove sun roof lid assembly

## REMOVAL – Sun roof assembly

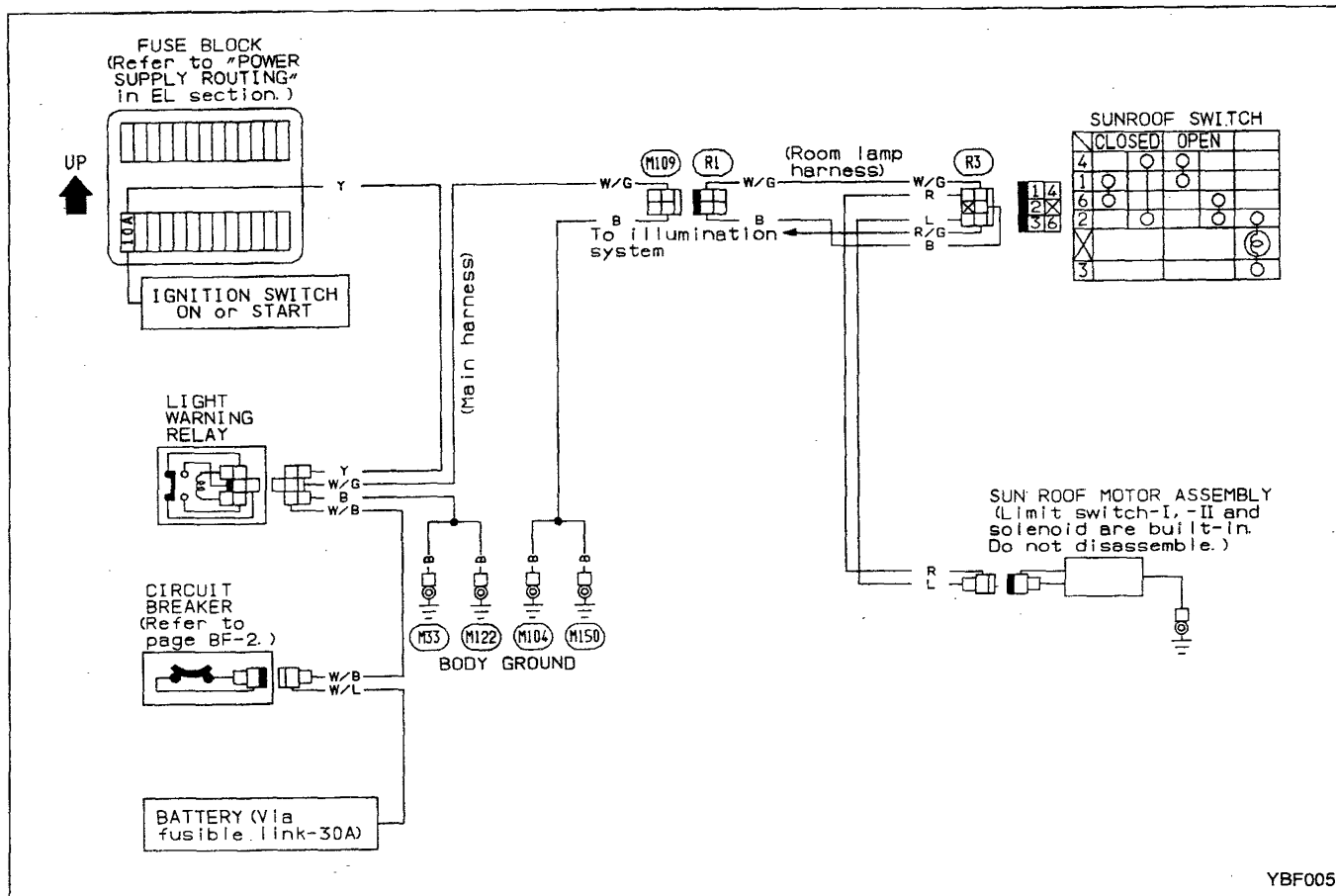
1. Remove headlining. For details, refer to "ROOF TRIM" in "Interior".
2. Disconnect interior lamp harness.
3. Disconnect front and rear drain hoses.
4. Remove nuts and bolts securing sun roof frame and motor to roof.
5. Remove sun roof assembly.

# SUN ROOF



# SUN ROOF

## Wiring Diagram



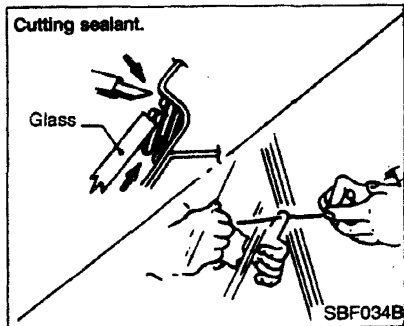
YBF005

# WINDSHIELD AND WINDOWS

## Windshield, Rear Window and Back Door Window

### REMOVAL

After removing moldings, remove glass.

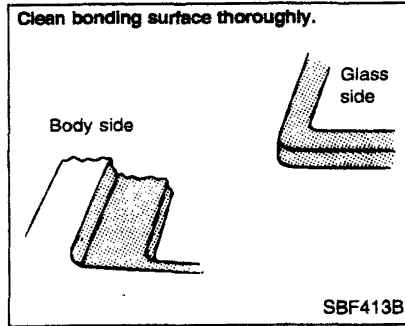


### CAUTION:

Be careful not to scratch glass when removing.

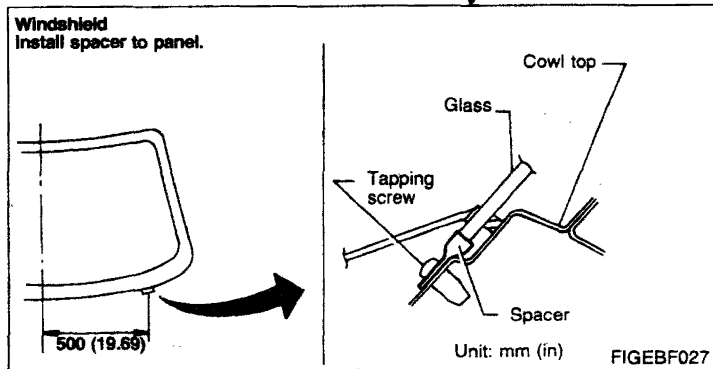
### INSTALLATION

- 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. Ideally, they should be stored a refrigerator.



### WARNING:

Keep heat or open flames away as primers are flammable.



A

B

# WINDSHIELD AND WINDOWS

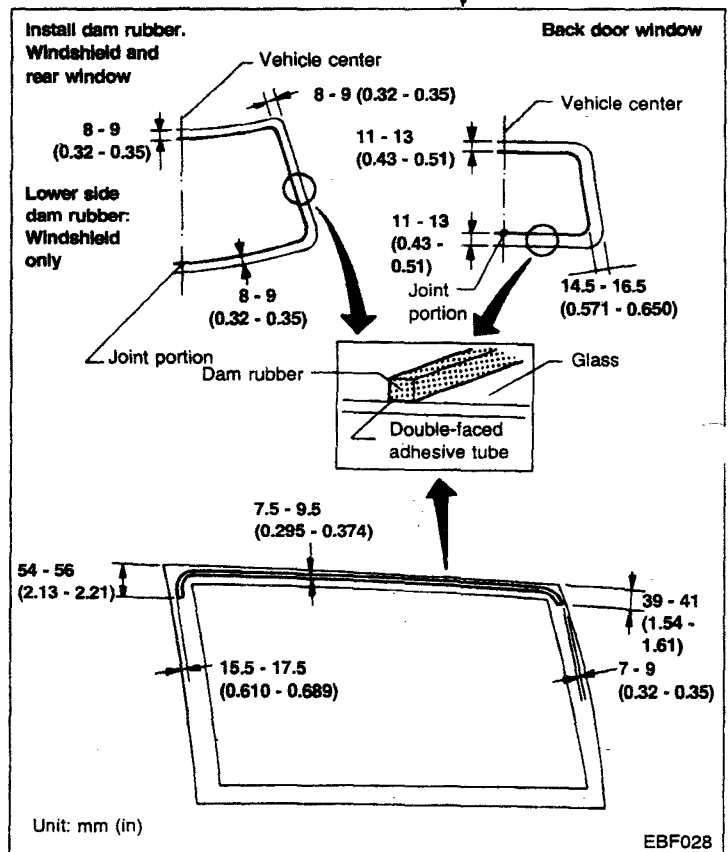
Window

Back Door

Window (Cont'd)

(A)

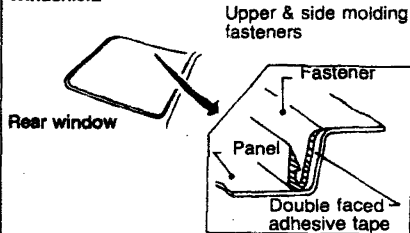
(B)



## Install molding fastener.

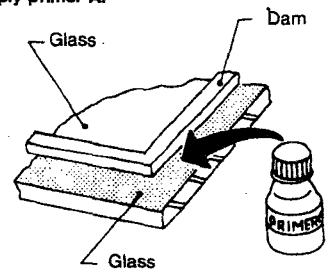
When installing it, heat body panel and fastener to approx. 30 to 40°C (86 to 104°F).

### Windshield



EBF029

## Apply primer A.

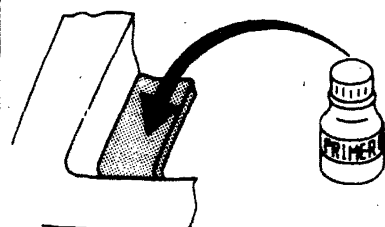


SBF208F

## CAUTION:

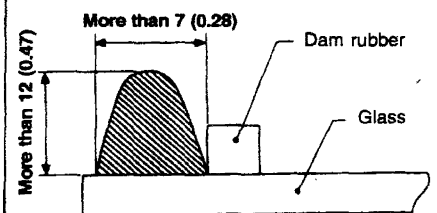
Allow primers to dry for 10 to 15 minutes before proceeding to the next step.

## Apply primer E.



SBF038B

## Apply sealant evenly.



Unit: mm (in)

SBF018A

(C)



# WINDSHIELD AND WINDOWS

## Windshield, Rear Window and Back Door Window (Cont'd)

©

**CAUTION:**

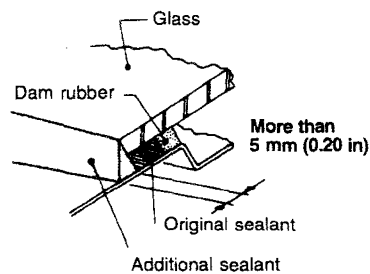
Allow primers to dry for 10 to 15 minutes before proceeding to the next step.

Set glass in position and press glass lightly and evenly.

**CAUTION:**

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

Apply additional sealant uniformly to the lower portion of glass, as shown below:



SBF720C

Check for water leakage.

**CAUTION:**

For sealant drying period, refer to "Drying Time for Sealant".

Apply sealant to upper & side molding fixing portion.

Set upper and side moldings.

**CAUTION:**

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

For details of moldings, refer to "Exterior".

Install lower molding.

# WINDSHIELD AND WINDOWS

## Drying Time for Sealant

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

Unit: days

Temperature °C (°F)	Relative humidity %	Windshield and Rear window			Back door window		
		90	50	25	90	50	25
40 (104)		1.5	2.5	5.0	1.5	2.5	5.5
25 (77)		2.5	4.0	7.5	2.5	4.5	8.5
5 (41)		5.0	13.0	20.5	5.5	14.0	22.0

### CAUTION:

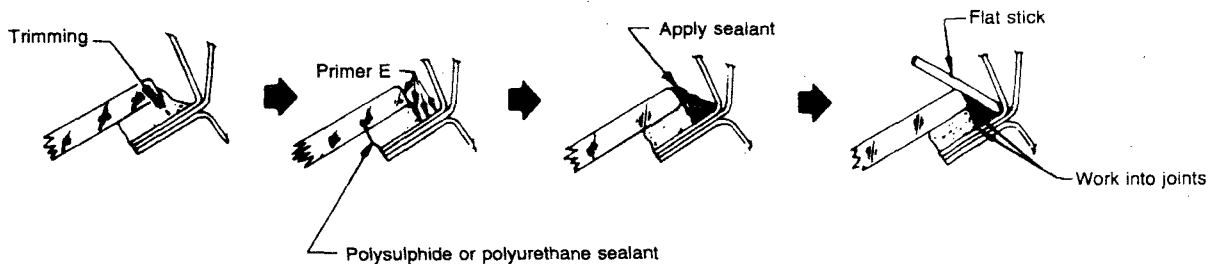
Advise the user of the fact that vehicle should not be driven on rough roads or surfaces until sealant has properly vulcanized.

## Repair Water Leaks for Windshield, Rear Window and Back Door Window

Leaks can be repaired without removing 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.

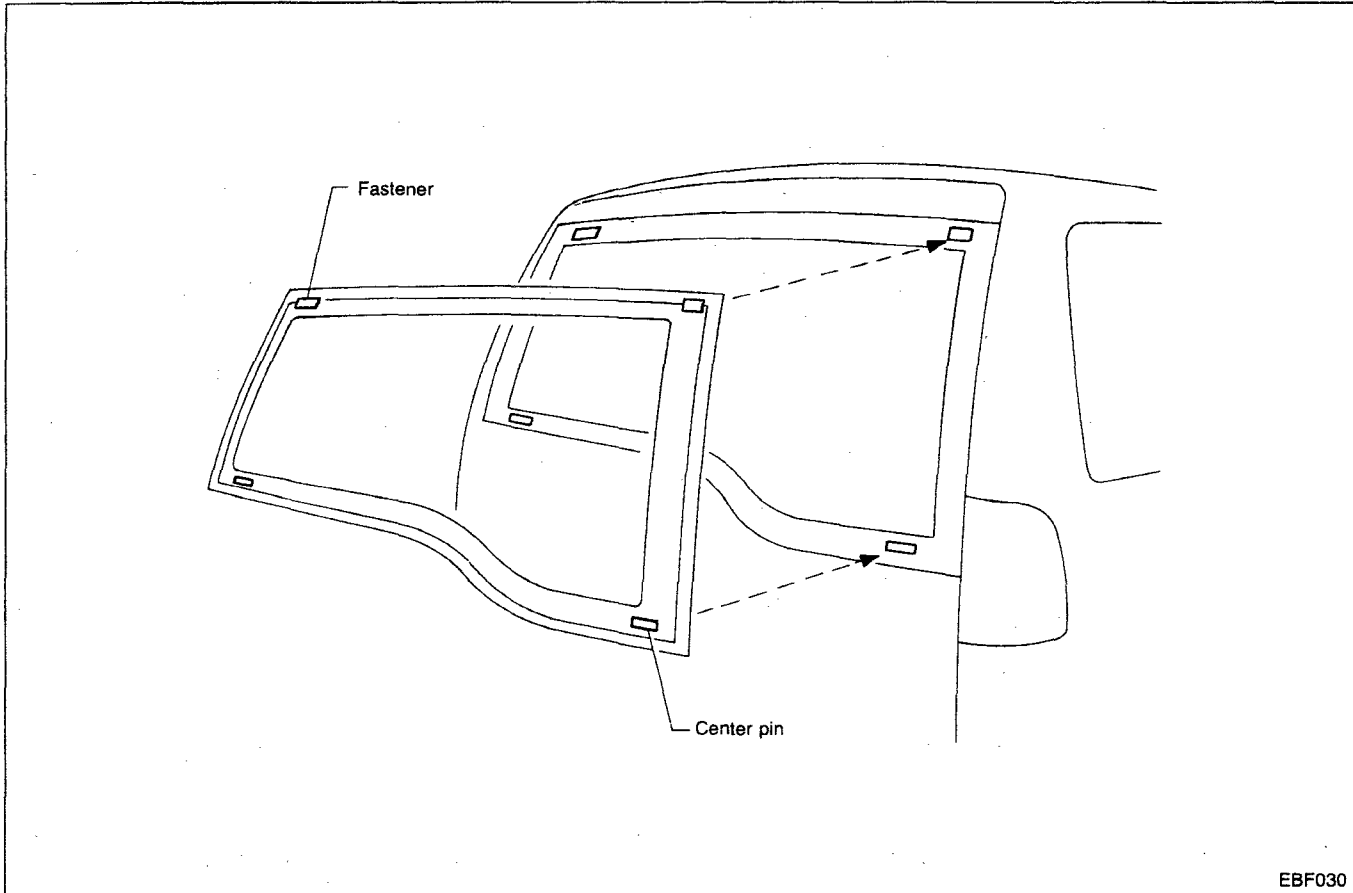
To stop the leak, apply primer and then sealant to the leak point.



SBF543B

Afterwards, install molding securely.

## Back Door Window



EBF030

- Window glass is held in place by weatherstripping. For details regarding weatherstrip, refer to "EXTERIOR".
- Apply sealer to clearances between vehicle body panel and weatherstrip as necessary.

## Door Mirror

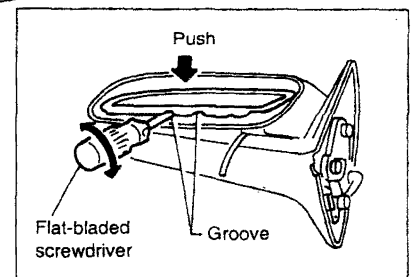
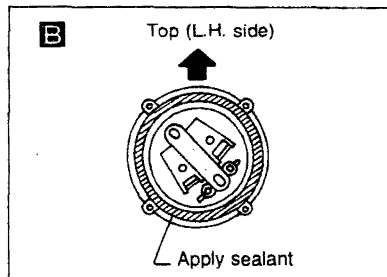
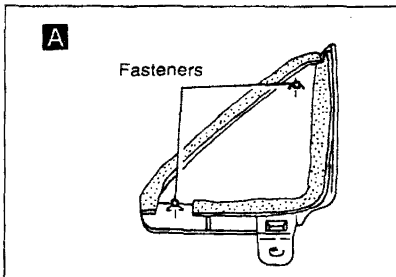
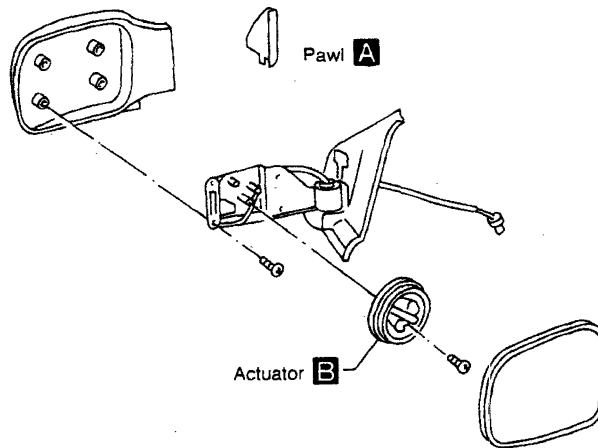
### CAUTION:

Be careful not to scratch door rearview mirror body.

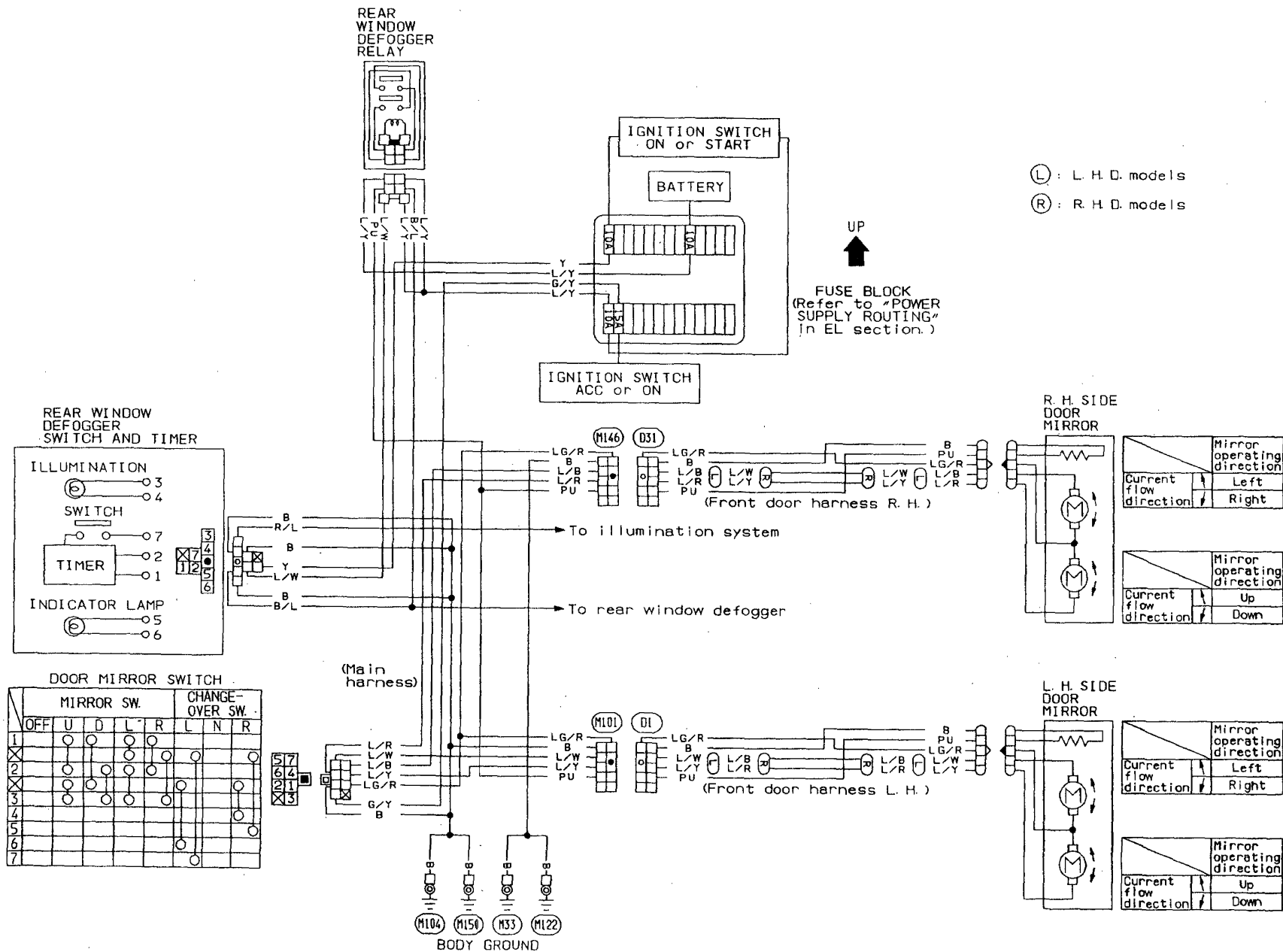
When removing the outside mirror's cover, situated at the inside of the door, pull the cover straight out so as to prevent the fasteners from breaking.

### REMOVAL – Door mirror

1. Remove door trim. Refer to "Removal – Door trim" in "Interior" for details.
2. Remove inner cover front corner of door.
3. Disconnect door mirror harness connector.
4. Remove harness clips.
5. Remove three bolts securing door mirror.

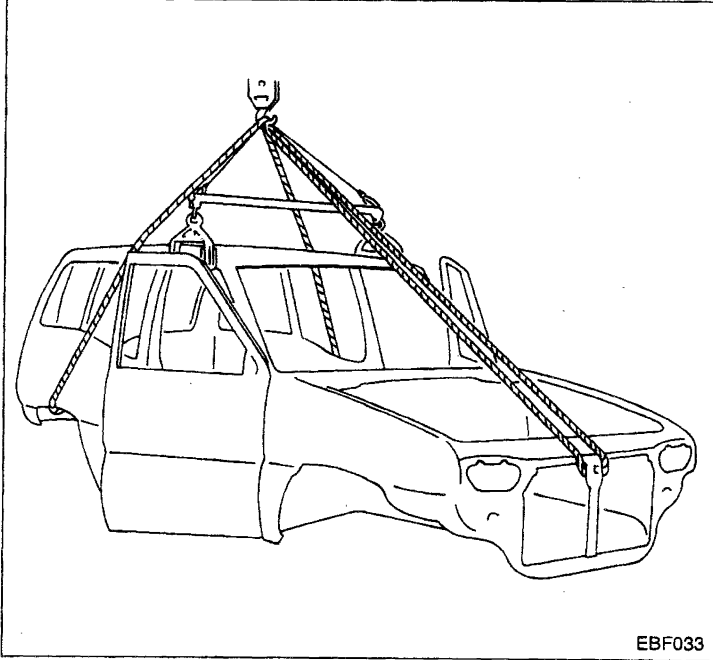


EBF031



## Body

- Remove at least the following parts in engine compartment.
  - (1) Main harness and other wiring harnesses.
- Disconnect brake and clutch line in engine compartment.
- Remove at least the following parts under the body.
  - (1) Transmission and transfer control levers
  - (2) Hand brake control lever and cable
  - (3) Main harness and other wiring harnesses
- Remove seat belt anchor bolt.

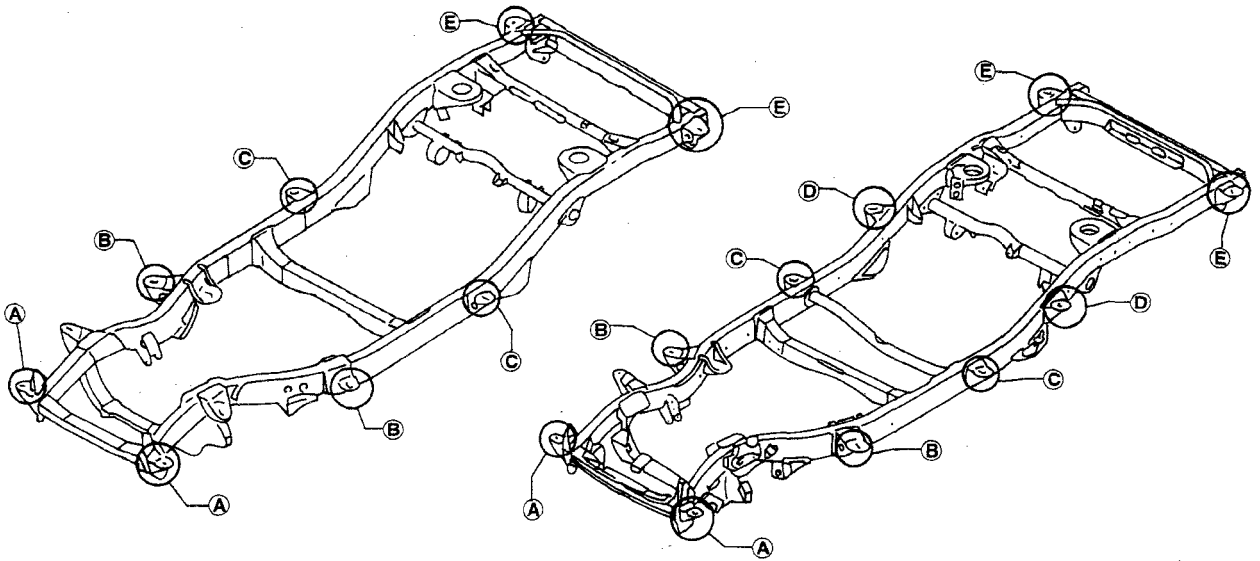


### PRECAUTION:

The sling support at the front of the vehicle body serves only to stabilize the body during hoisting. The support will be damaged if too much pressure is exerted upon it.

## Body Mounting

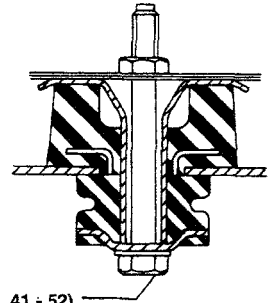
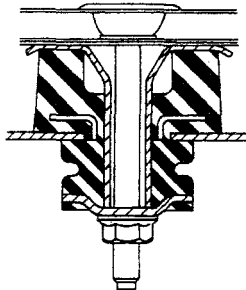
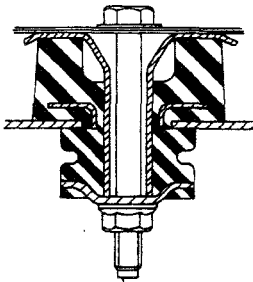
When removing, be sure to replace bolts and nuts (sealant applied bolts or self-lock nuts are used for all mountings).



Section (A)

Section (B) and (D)

Section (C) and (E)



: N·m (kg-m, ft-lb)

31 - 39 (3.2 - 4.0, 23 - 29)

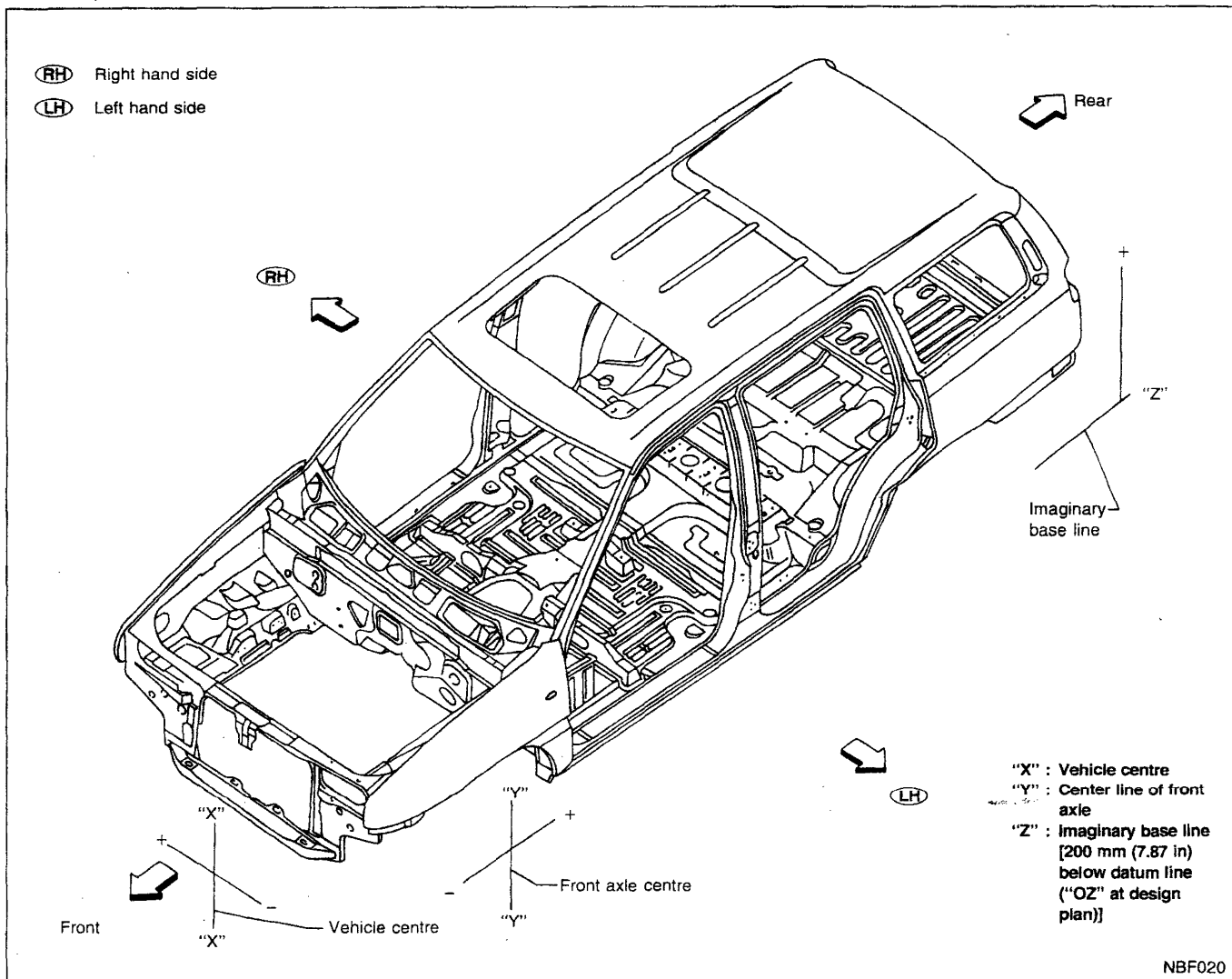
56 - 71  
(5.7 - 7.2, 41 - 52)

31 - 39 (3.2 - 4.0, 23 - 29)

EBF034

# BODY ALIGNMENT

- 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.
- All measurements and mounting hole diameters are expressed in millimeters (mm).
- 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".



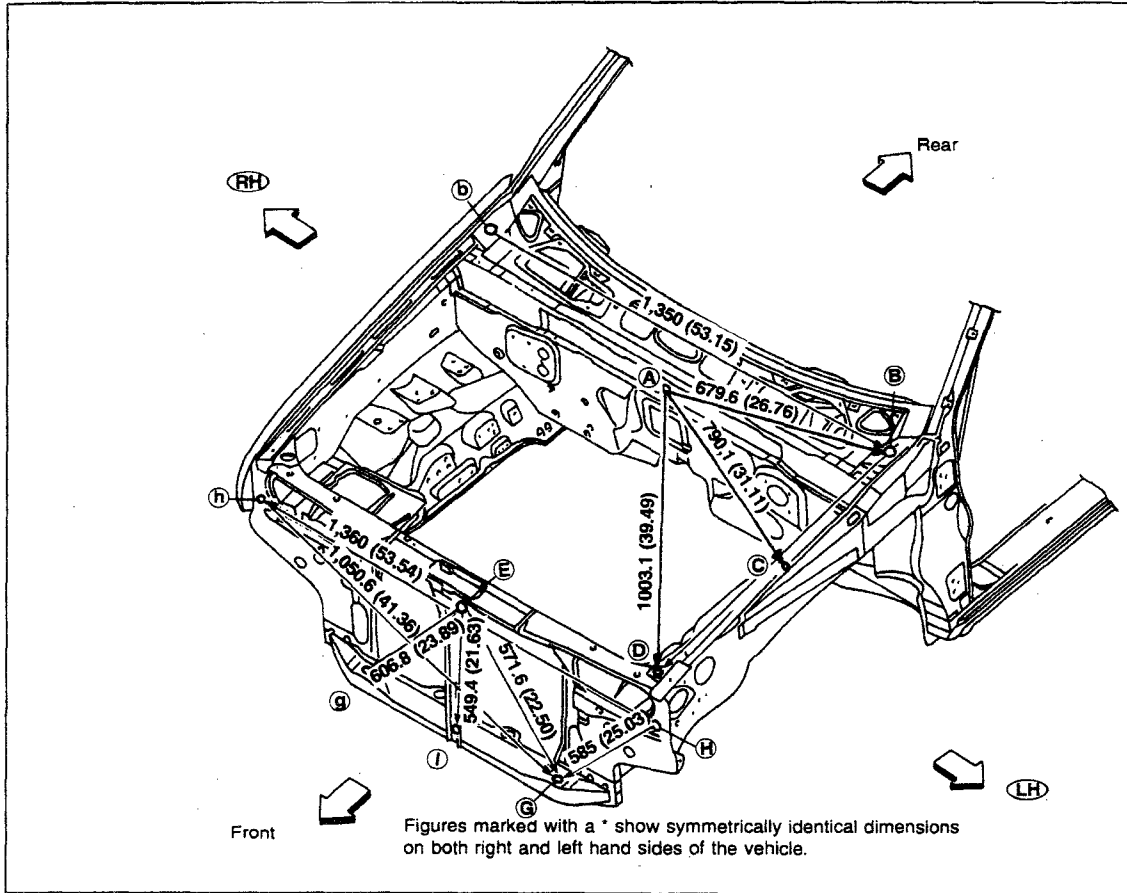
NBF020



# BODY ALIGNMENT

## Engine Compartment

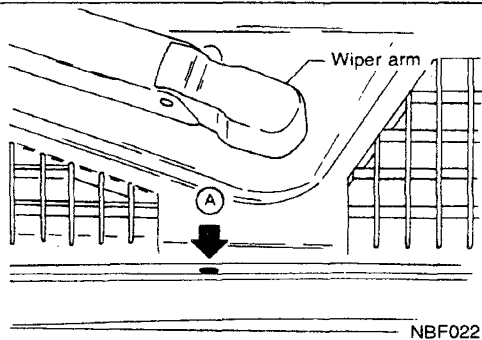
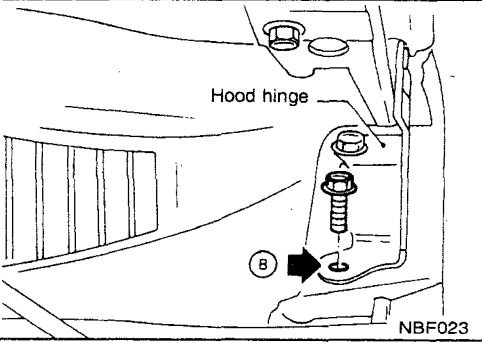
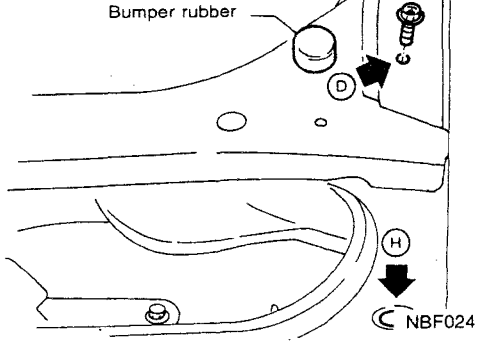
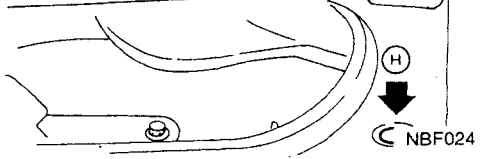
### MEASUREMENT



# BODY ALIGNMENT

## Engine Compartment (Cont'd)

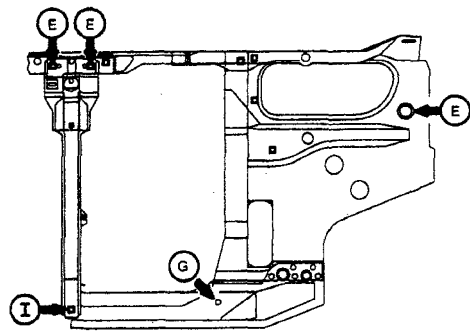
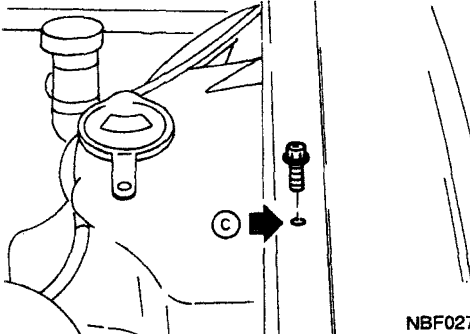
### DETAILED MEASUREMENT POINTS

Points	Hole dia. mm (in)	Detailed points	Coordinates mm (in)		
			"X"	"Y"	"Z"
Ⓐ	8 (0.32)	 <p>Cowl top hole at vehicle center</p>	0.0 (0.00)	250.0 (9.84)	760.9 (29.96)
Ⓑ Ⓑ	11 (0.43)	 <p>Cowl top side hole</p>	698.5 (27.50)	-110.1 (-4.34)	624.7 (24.59)
Ⓓ Ⓓ	8 (0.32)	 <p>Upper radiator core support location hole</p>	691.0 (27.20)	-459.5 (-18.09)	548.0 (21.58)
Ⓕ Ⓕ	16 (0.63)	 <p>Side radiator core support location hole</p>	680.0 (26.77)	-551.7 (-21.72)	400.0 (15.75)

① :Coordinate indicated is **LH** . **RH** coordinate is - **LH** coordinate.  
 E.g. if **LH** coordinate is: 698.5, **RH** coordinate is: -698.5.

# BODY ALIGNMENT

## Compartment

Points	Hole dia. mm (in)	Detailed points	Coordinates mm (in)			
			"X" <sup>③</sup>	"Y"	"Z"	
Ⓔ	9 (0.35)		Hood lock stay mounting hole on upper radiator core support	37.0 (1.46)	-589.0 (-23.19)	494.0 (19.45)
Ⓘ			Lower radiator core support mounting hole	0.0 (0.00)	-581.1 (-22.88)	-54.1 (-2.13)
Ⓖ Ⓕ	12 (0.47)		Lower radiator core support location hole	280.0 (11.02)	-608.9 (-23.97)	-23.0 (-0.91)
Ⓒ Ⓒ	7.2 (0.28)		Front fender mounting hole on hood ledge	698.5 (27.50)	-110.1 (-4.34)	624.7 (24.59)

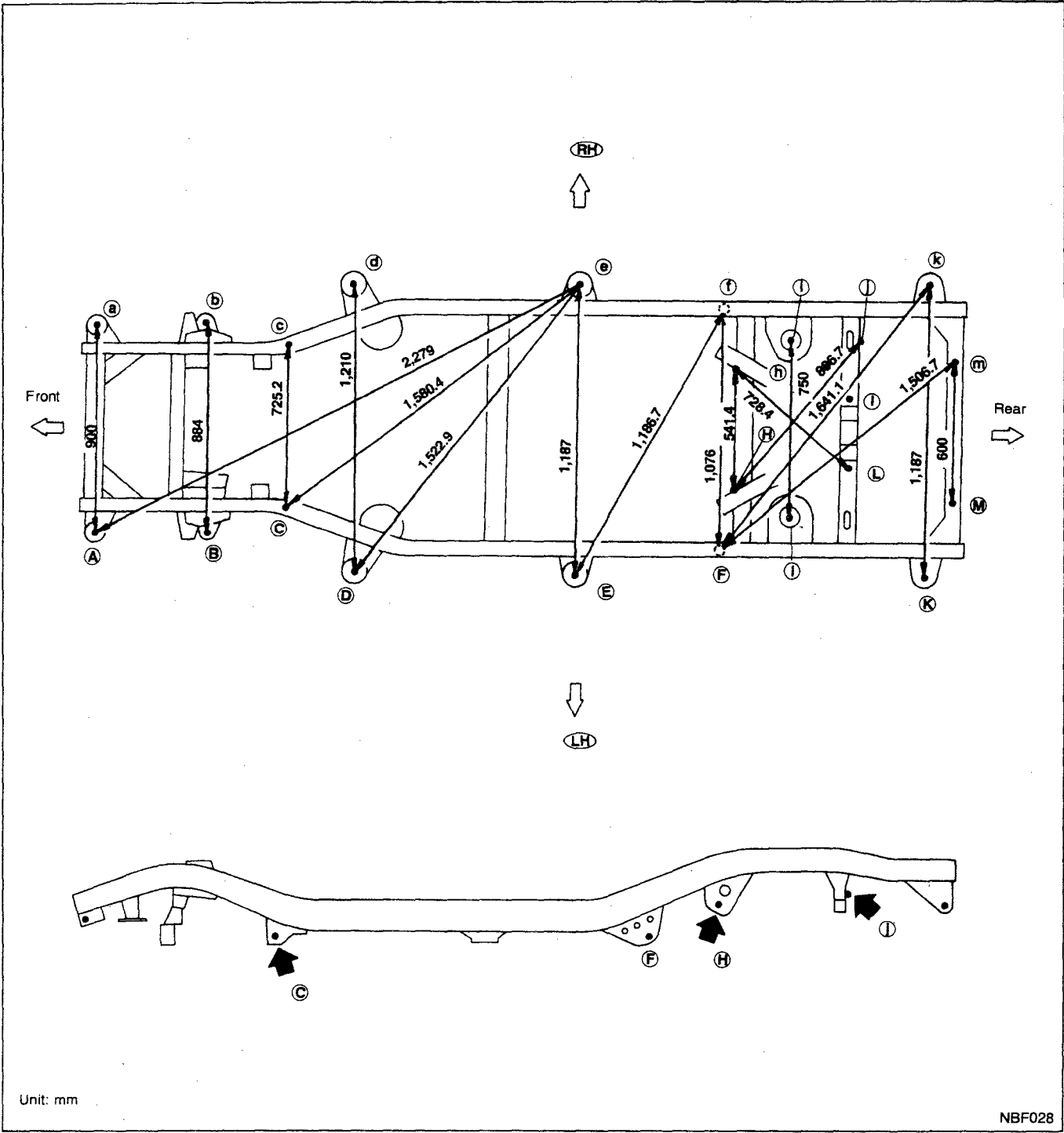
① :Coordinate indicated is Ⓕ . Ⓖ coordinate is - Ⓕ coordinate.  
 E.g. if Ⓕ coordinate is: 698.5, Ⓖ coordinate is: -698.5.

# BODY ALIGNMENT

## Underbody

### MEASUREMENT POINTS

Hardtop model



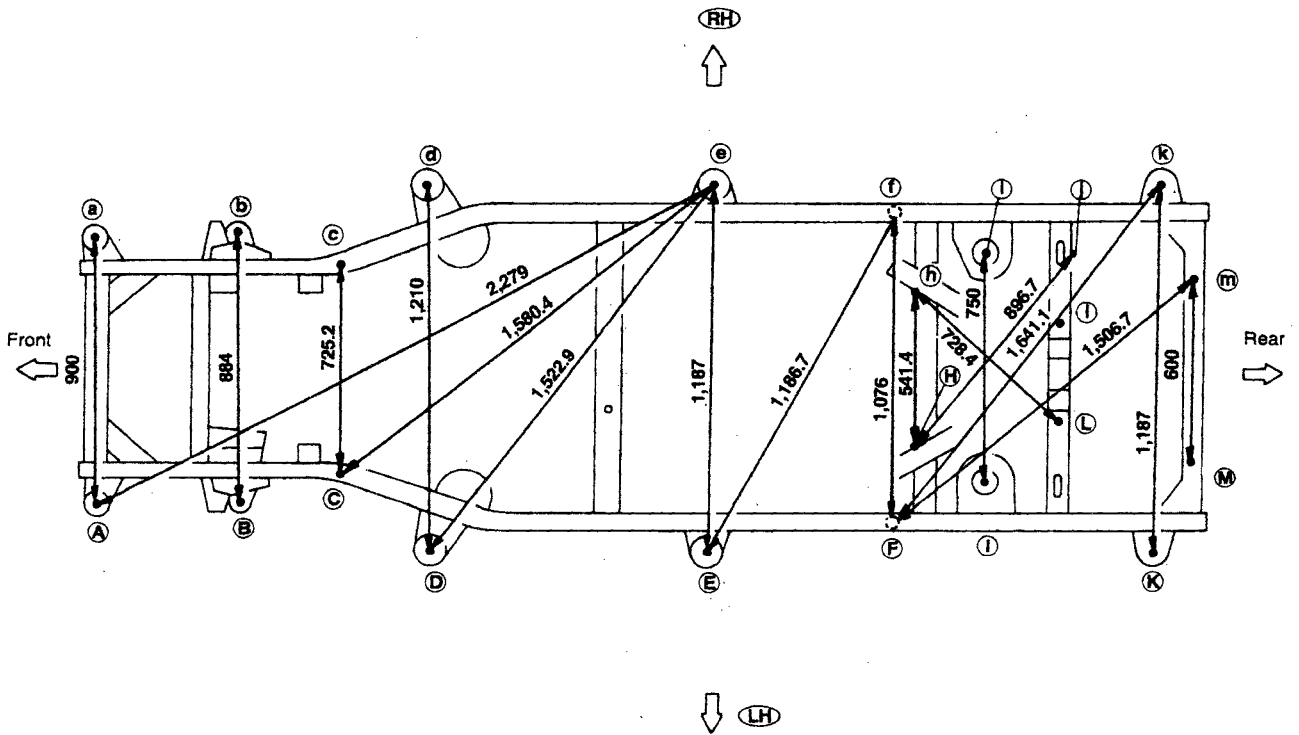
NBF028

# BODY ALIGNMENT

## Underbody (Cont'd)

### MEASUREMENT

Hardtop model



Unit: mm

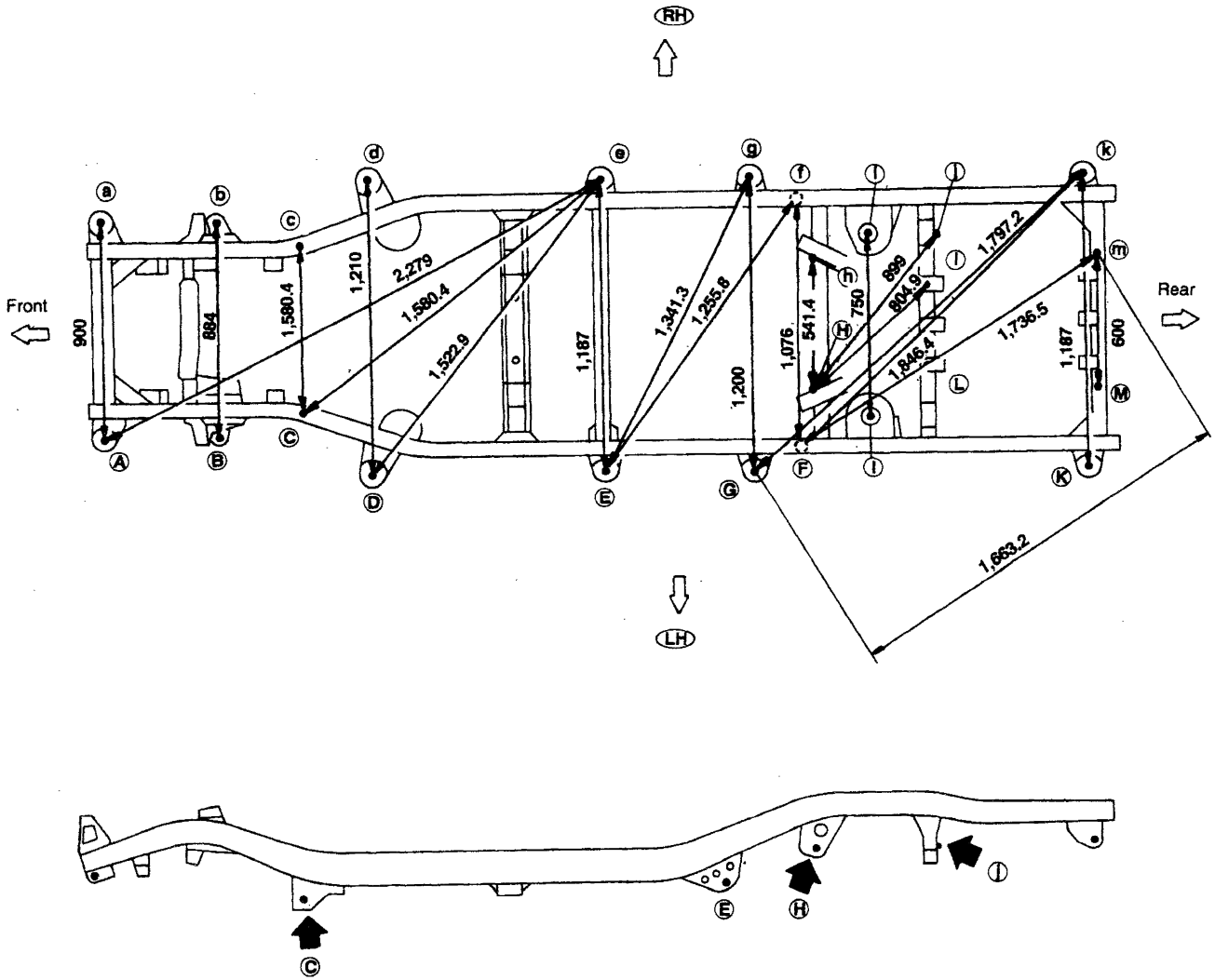
NBF029

# BODY ALIGNMENT

## Underbody (Cont'd)

### MEASUREMENT POINTS

Wagon model

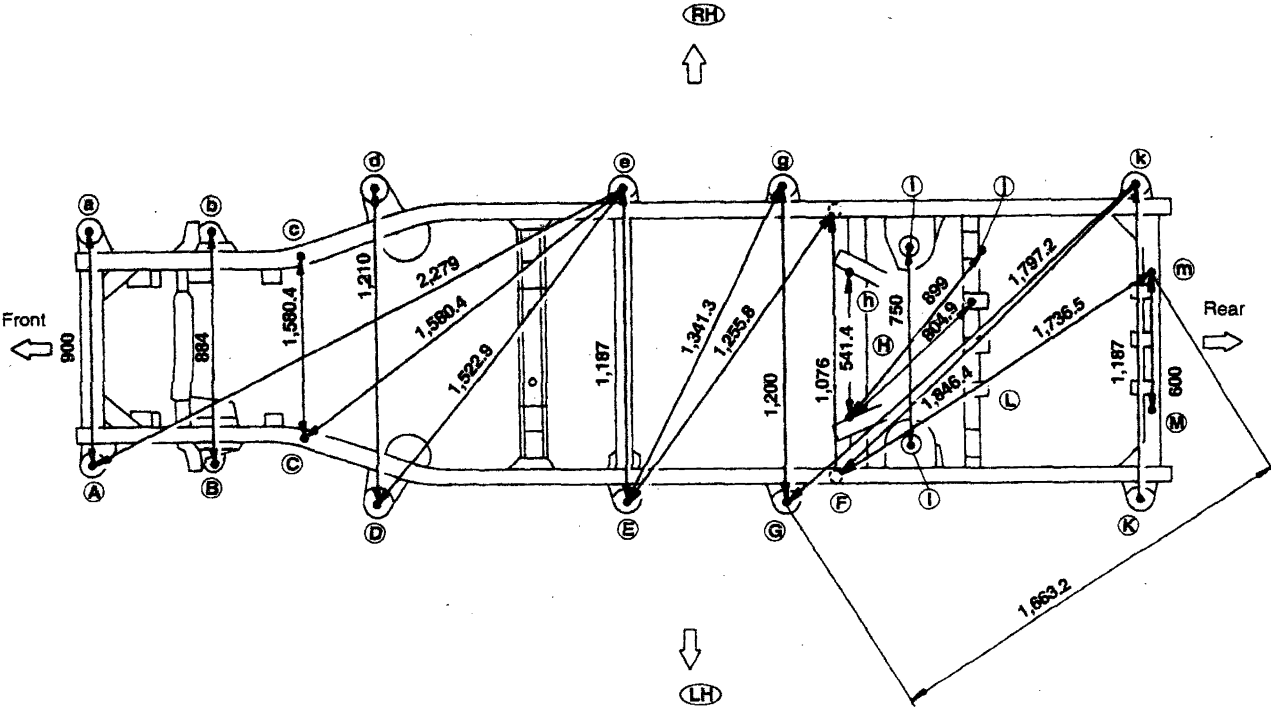


Unit: mm

NBF030

**BODY ALIGNMENT**  
**Underbody (Cont'd)**

**MEASUREMENT**  
**Wagon model**



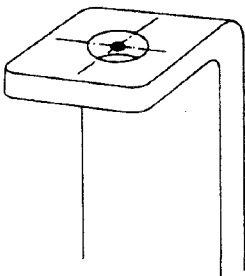
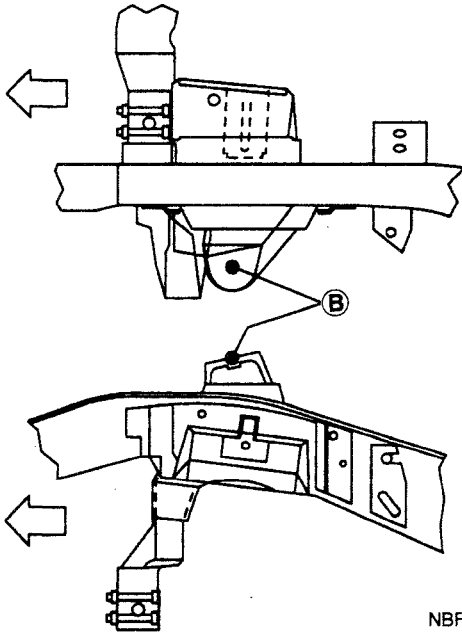
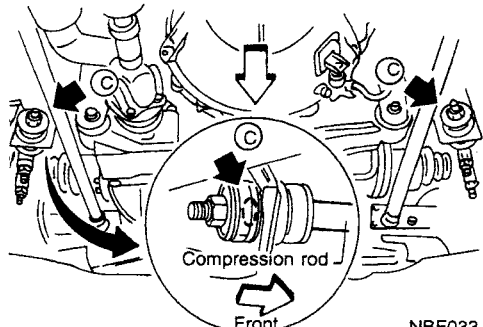
Unit: mm

NBF031

# BODY ALIGNMENT

## Underbody (Cont'd)

### DETAILED MEASUREMENT POINTS

Points	Detailed points	Coordinates mm (in)		
		"X"①	"Y"	"Z"
<b>A a</b>	 <p>Body mounting bracket hole</p> <p>SBF274B</p>	450.0 (17.72)	-488.5 (-19.23)	58.0 (2.28)
<b>D d</b>		605.0 (23.82)	597.5 (23.52)	4.7 (0.18)
<b>E e</b>		593.5 (23.37)	1,537.0 (60.51)	10.0 (0.39)
<b>G g</b>		<b>W</b> : 600.0 (23.62)	<b>W</b> : 2,135.0 (84.06)	<b>W</b> : 140.2 (5.52)
<b>K k</b>		593.5 (23.37)	<b>W</b> : 3,477.5 (136.91) <b>H</b> : 2,997.5 (118.01)	195.5 (7.70)
<b>B b</b>	 <p>Front shock absorber bracket mounting hole</p> <p>NBF032</p>	442.0 (17.40)	-16.0 (-0.63)	196.5 (7.74)
<b>C c</b>	 <p>Compression rod mounting hole</p> <p>NBF033</p>	362.6 (14.28)	290.0 (11.42)	-158.9 (-6.26)

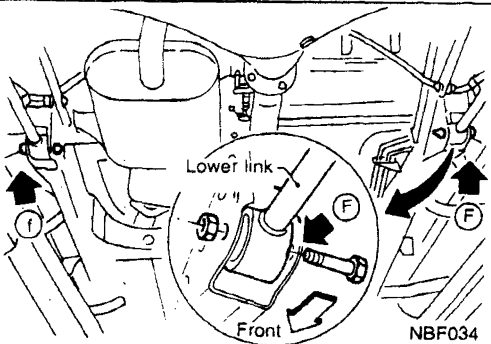
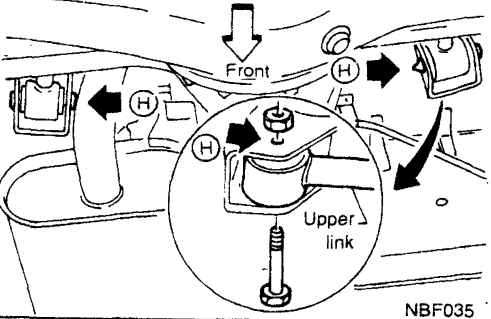
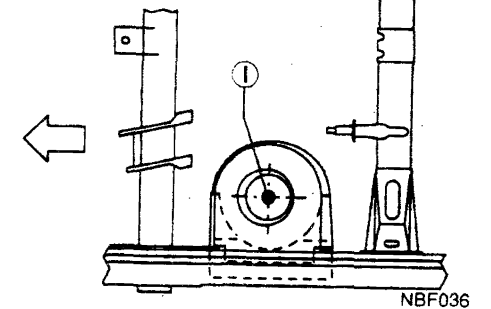
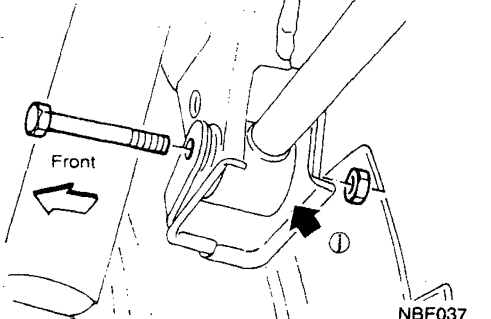
① :Coordinate indicated is **LH** . **RH** coordinate is - **LH** coordinate.

E.g. if **LH** coordinate is: 698.5, **RH** coordinate is: -698.5.



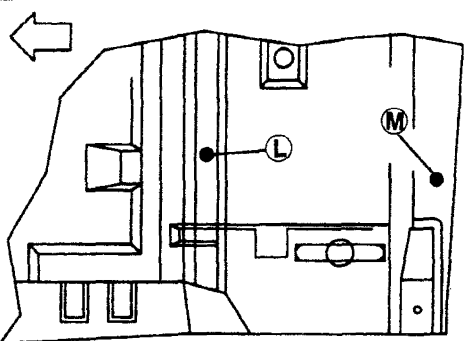
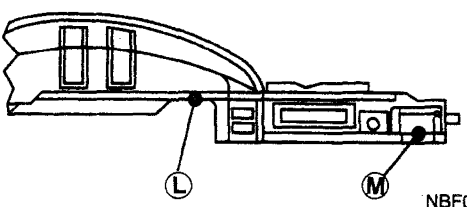
# BODY ALIGNMENT

## Underbody (Cont'd)

Points	Detailed points	Coordinates mm (in)		
		"X"①	"Y"	"Z"
(F) (f)	 <p>Lower link mounting bracket hole</p>	538.0 (21.18)	(W): 2,059.0 (81.06) (H): 1,859.0 (73.19)	-146.0 (-5.75)
(H) (h)	 <p>Upper link mounting bracket hole</p>	270.7 (10.66)	(W): 2382.3 (93.79) (H): 2182.3 (85.92)	5.0 (0.20)
(I) (i)	 <p>Rear spring mounting bracket hole</p>	375.0 (14.76)	(W): 2,610.0 (102.76) (H): 2,410.0 (94.88)	210.0 (8.27)
(I)	 <p>Rear panhard rod mounting bracket hole</p>	(RH) only -495.8 (-19.52)	(W): 2,843.7 (111.96) (H): 2,643.7 (104.08)	-55.0 (-2.16)

① :Coordinate indicated is (LH) . (RH) coordinate is - (LH) coordinate.  
 E.g. if (LH) coordinate is: 698.5, (RH) coordinate is: -698.5.

**BODY ALIGNMENT**  
**Underbody (Cont'd)**

Points	Detailed points	Coordinates mm (in)		
		"X" <sup>①</sup>	"Y"	"Z"
L ①		225.0 (8.86)	<div>W: 2,961.0 (116.58)</div> <div>H: 2,637.0 (103.82)</div>	<div>W: 264.4 (10.41)</div> <div>H: 284.4 (11.20)</div>
M ①		300.0 (11.81)	<div>W: 3,530.0 (138.98)</div> <div>H: 3,050.0 (120.08)</div>	240.6 (9.47)

① :Coordinate indicated is (LH) . (RH) coordinate is - (LH) coordinate.  
E.g. if (LH) coordinate is: 698.5, (RH) coordinate is: -698.5.