

5-10. Doors

1. Component Parts and Tightening Torque

1) Front Door

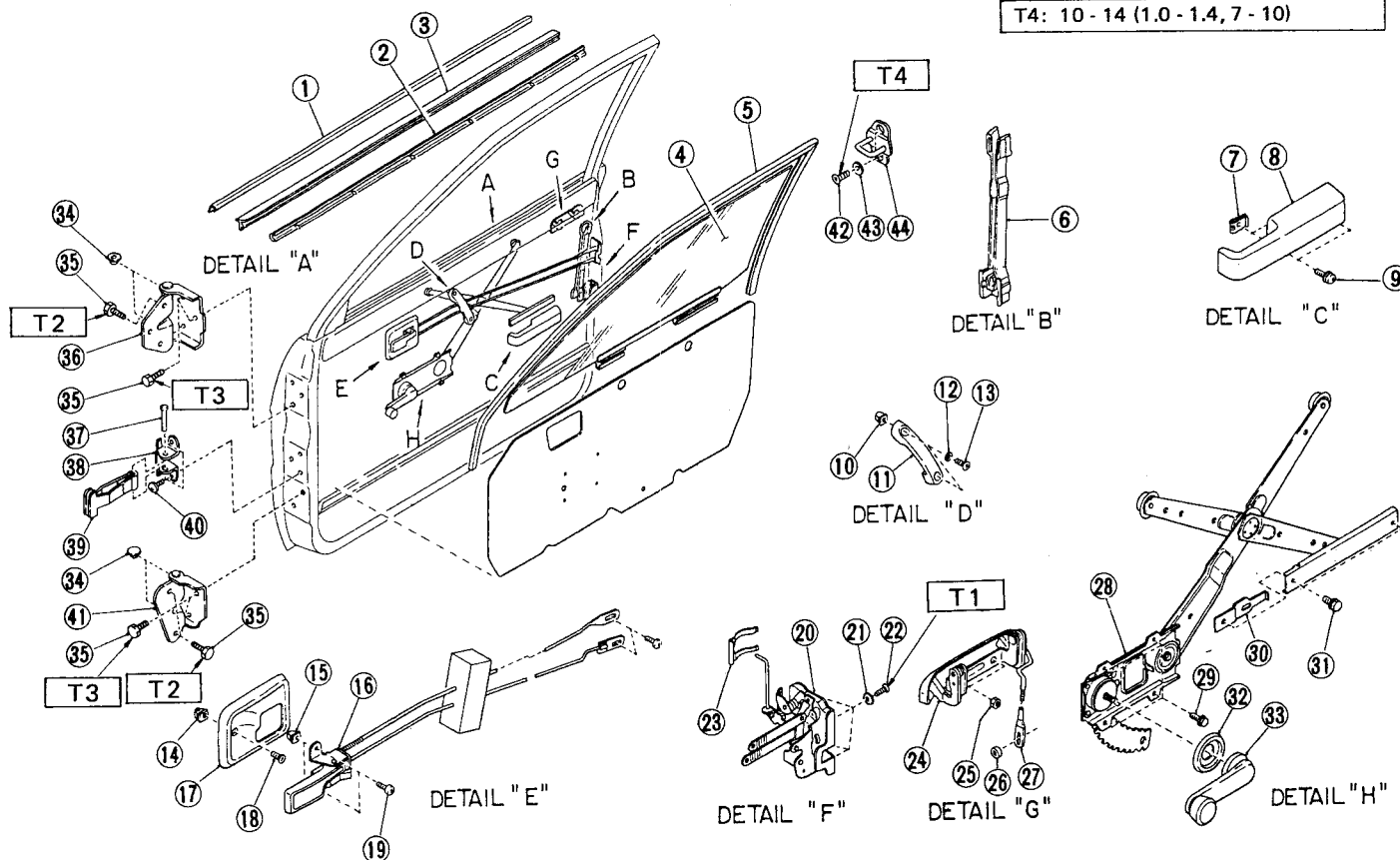
Tightening torque N·m (kg-m, ft-lb)

T1: 4.4 - 7.4 (0.45 - 0.75, 3.3 - 5.4)

T2: 25 - 34 (2.5 - 3.5, 18 - 25)

T3: 20 - 25 (2.0 - 2.6, 14 - 19)

T4: 10 - 14 (1.0 - 1.4, 7 - 10)



- 1 Shoulder molding
- 2 Weatherstrip inner
- 3 Weatherstrip outer
- 4 Front door glass
- 5 Run channel
- 6 Guide
- 7 J-nut
- 8 Arm rest
- 9 Flange screw
- 10 Screw grommet
- 11 Pull handle
- 12 Washer
- 13 Tapping screw
- 14 Screw grommet
- 15 Screw grommet

- 16 Door remote
- 17 Door remote cover
- 18 Tapping screw
- 19 Tapping screw
- 20 Door latch
- 21 Lock washer
- 22 Screw
- 23 Key lock clip
- 24 Handle outer
- 25 Nut with conical spring washer
- 26 Stopper
- 27 Door latch retainer
- 28 Door regulator
- 29 Flange nut
- 30 Stopper

- 31 Flange nut
- 32 Regulator handle escutcheon
- 33 Regulator handle
- 34 Bushing
- 35 Bolt and washer
- 36 Front door upper hinge
- 37 Pin
- 38 Checker bracket
- 39 Checker spring
- 40 Flange screw
- 41 Front door lower hinge
- 42 Screw
- 43 Lock washer
- 44 Striker

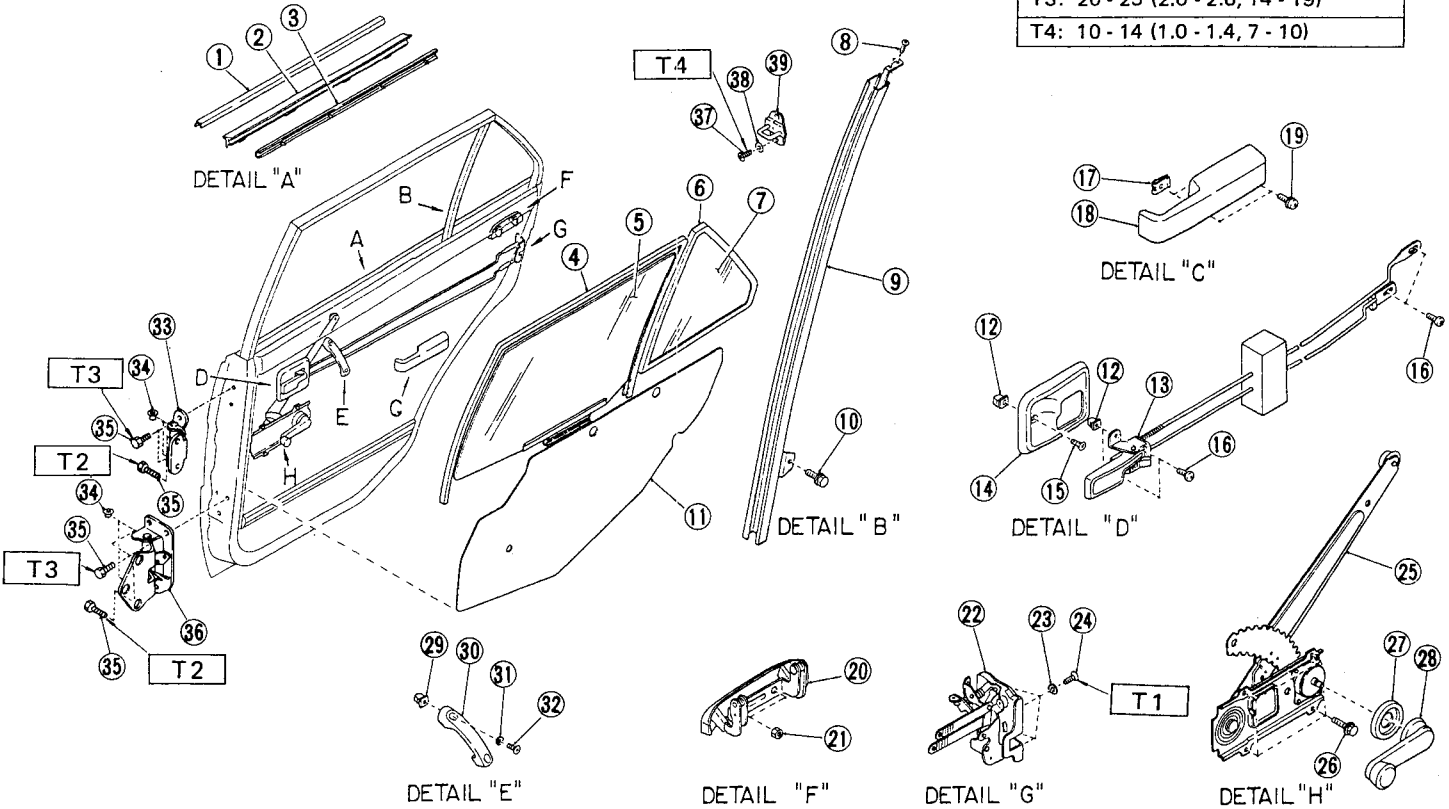
K21-071

Fig. 5-10-1

Doors

2) Rear Door

Tightening torque N·m (kg-m, ft-lb)
T1: 4.4 - 7.4 (0.45 - 0.75, 3.3 - 5.4)
T2: 25 - 34 (2.5 - 3.5, 18 - 25)
T3: 20 - 25 (2.0 - 2.6, 14 - 19)
T4: 10 - 14 (1.0 - 1.4, 7 - 10)



- | | | |
|--------------------------------|-----------------------------------|--------------------------------|
| 1 Shoulder molding | 14 Door remote cover | 27 Regulator handle escutcheon |
| 2 Weatherstrip outer | 15 Tapping screw | 28 Regulator handle |
| 3 Weatherstrip inner | 16 Tapping screw | 29 Screw grommet |
| 4 Run channel | 17 J-nut | 30 Pull handle |
| 5 Rear door glass | 18 Arm rest | 31 Washer |
| 6 Rear door weatherstrip outer | 19 Flange screw | 32 Tapping screw |
| 7 Rear door partition glass | 20 Handle outer | 33 Rear door upper hinge |
| 8 Screw | 21 Nut with conical spring washer | 34 Bushing |
| 9 Partition sash | 22 Door latch | 35 Bolt and washer |
| 10 Bolt washer | 23 Lock washer | 36 Rear door lower hinge |
| 11 Sealing cover | 24 Screw | 37 Screw |
| 12 Screw grommet | 25 Door regulator | 38 Lock washer |
| 13 Door remote | 26 Flange bolt | 39 Striker |

K21-072

Fig. 5-10-2

Doors

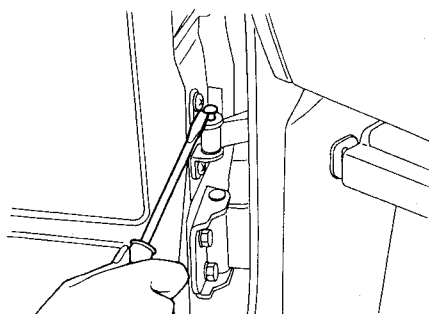
2. Service Precautions for Major Components

1. Removal and Installation of Door

1) The front door should be removed by pulling out the pin retaining the checker spring and by loosening the fitting bolts from the upper and lower hinges on the door, when removing the door, it should be supported from below with a jack.

NOTE:

Take extra care not to damage the door during removal.



K21-017

Fig. 5-10-3

2) The rear door should be removed by loosening the fitting bolts on the upper and lower hinges of the pillar.

3) When adjusting the fore-and-aft and up-and-down door alignment, loosen the fitting bolts on the upper and lower hinges of the vehicle body. They should be adjusted so that a uniform clearance is obtained. After performing the adjustment, tighten the fitting bolts to the specified torque.

Fitting bolt on body	25 – 34 N·m (2.5 – 3.5 kg-m, 18 – 25 ft-lb)
Fitting bolt on door	20 – 25 N·m (2.0 – 2.6 kg-m, 14 – 19 ft-lb)

NOTE:

The tilt of the front door should be adjusted by inserting spacers between the hinge plate of the lower hinge and the door panel.

4) The in-and-out door alignment should be adjusted by loosening the door striker.

NOTE:

Door striker adjustment affects door opening and closure. Loosely tighten the screw, correct the door tilt, ensure the door latch engages normally. Release the latch, and tighten the screw to the specified torque.

Tightening torque:
10 – 14 N·m
(1.0 – 1.4 kg-m, 7 – 10 ft-lb)

2. Removal and Installation of Door Parts

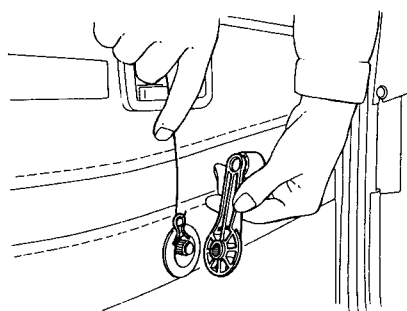
1) The front door checker should be removed using the following directions:

- (1) Remove the front luggage shelf, the lower trim panel of the front pillar and the urethane weatherstrip.
- (2) Remove the checker pin retaining the checker spring and pull the spring out through an access hole in the pillar side.

NOTE:

With the checker spring removed, the door opens freely so it may bump the fender. Be careful not to open the door too widely.

2) The regulator handle can easily be removed using a hooked wire to remove the retainer spring.



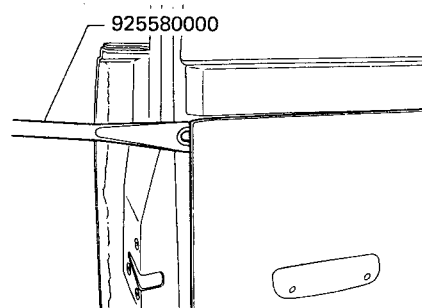
K21-020

Fig. 5-10-4

3) Remove the clip with a clip puller (special tool: 925580000) and remove the trim panel.

NOTE:

The clip may break if exposed to undue force.



K21-018

Fig. 5-10-5

4) When removing the sealing cover, peel off the sealant with a spatula. Do not forcibly remove the cover.

NOTE:

- a. When installing the sealing cover, be sure to seal it with sealant. Failure to do so will cause water leakage and the entrance of dust.
- b. Use "Cemedine S620" as the sealant for repair or replacement.



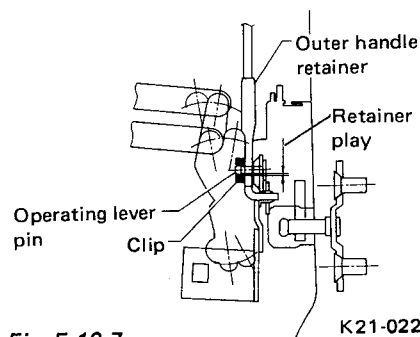
K21-019

Fig. 5-10-6

3. Door Lock System Problems and Corrective Steps

The paragraphs that follow describe possible door lock system problems and corrective steps.

1) When the inner handle will open the door, but the outer handle will not, the problem may be due to excessive play between the outer handle and the operating lever pin. Readjust the retainer play to 0 to 1.0 mm (0 to 0.039 in.).



K21-022

Fig. 5-10-7

2) When the outer handle will open the door, but the inner handle will not, the problem may be due to a slack upper inner remote wire connection.

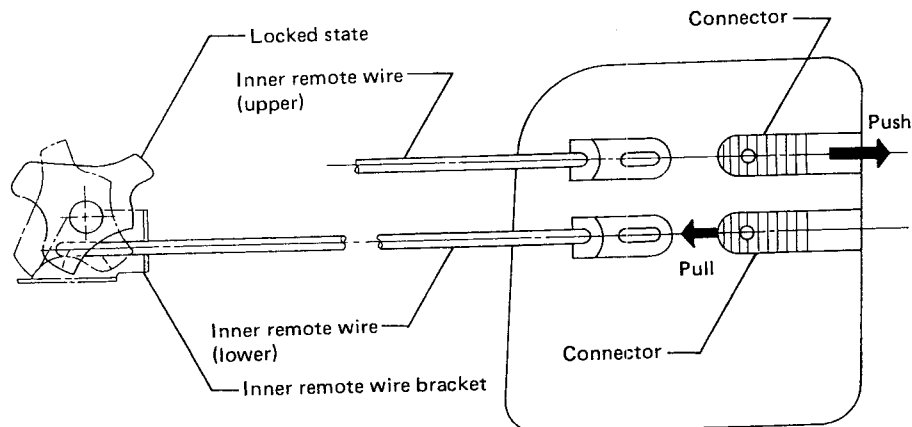


Fig. 5-10-8

3) If the door cannot be opened from either the inside or outside, even when the inner remote is unlocked, the trouble can be due to one of the following causes:

(1) The inner remote unit will not unlock because of improper adjustment, or the lower inner remote wire connection is uncoupled.

In these cases, loosen the coupling screw of the inner remote wire, push the wire forward to tilt the latch connector forward, and firmly tighten the coupling screw.

(2) The inner remote unit will not locked because the outer handle retainer forces the latch operating lever pin upward.

If this is the case, readjust the play of the retainer to 0 to 1.0 mm (0 to 0.039 in).

4) When the door opens with the inner remote unit set to the "LOCK" position, the inner remote unit may be out of adjustment or the lower inner remote wire connection may be uncoupled.

In these cases, loosen the coupling screw of the inner remote wire, push the lower inner remote wire forward to tilt the latch connector forward, and firmly tighten the coupling screw.

5) When the inner remote unit does not lock and unlock smoothly, or when the door lock is hard to turn using the key, the lower inner remote wire may be interfering with the inner

tion. To correct, push the latch connector backward and firmly tighten the coupling screw.

remote wire bracket.

In this case, bend the lower inner remote wire to eliminate interference.

6) When the inner handle stops at the midway point, the trouble may be caused by upper inner remote wire interference with the inner remote wire bracket.

To correct this, bend the upper inner remote wire.

4. Removal and Installation of Front Door Glass

1) The front door glass should be removed using the following directions:

(1) Remove the trim panel, sealing cover and outer weatherstrip.

In the 3-door vehicle, after removing the regulator guide rail stopper, lower the glass and remove the outer and inner weatherstrips.

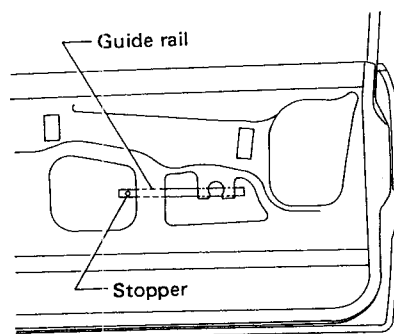
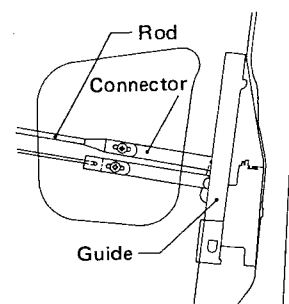


Fig. 5-10-9

K21-036

(2) Raise the glass, then remove the guide and the inner remote rod and latch connector.



K21-035

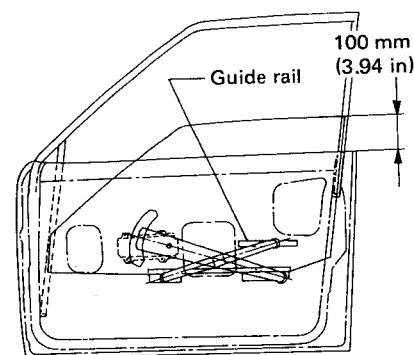
Fig. 5-10-10

(3) Move the glass approximately 100 mm (3.94 in) above the door panel and remove the guide rail.

Tilt the front end of the glass downward, move it forward, and remove the regulator-roller from the channel.

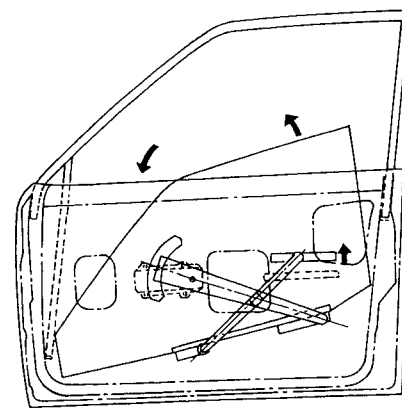
NOTE:

When removing the glass from the regulator-roller, be careful not to drop it.



K21-037

Fig. 5-10-11



K21-038

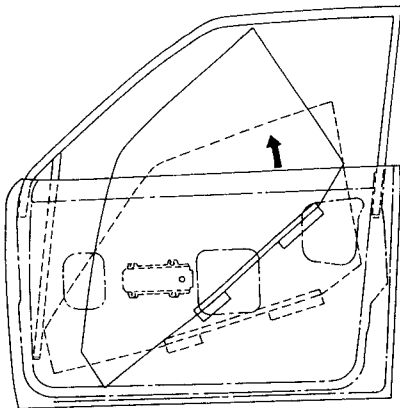
Fig. 5-10-12

Doors

(4) Raise the rear part of the glass and, while turning it around, remove the glass from the door.

NOTE:

Be careful not to damage the weather-strip when removing the glass.



K21-039

Fig. 5-10-13

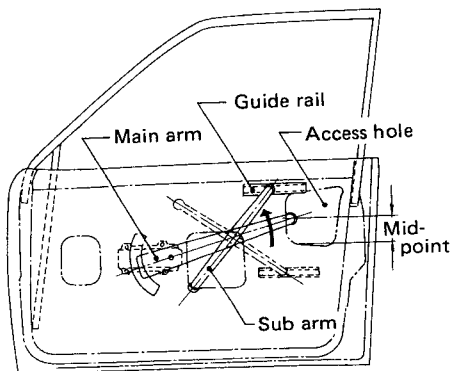
2) The front door glass should be installed using the following directions:

(1) Move the guide rail upward (the sub arm roller downward) by lifting the regulator main arm to the midpoint of the access hole.

In the 3-door vehicle, lift the regulator main arm until the main arm roller is level with the peep hole.

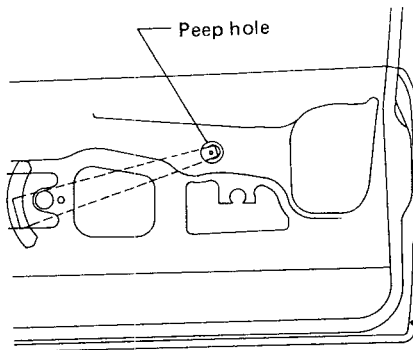
NOTE:

If moving the guide rail upward becomes difficult, push it outward away from the main arm.



K21-040

Fig. 5-10-14



K21-045

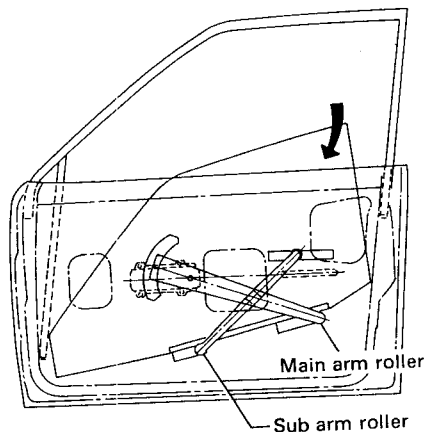
Fig. 5-10-15

(2) While turning the glass around, place it into the door and insert the regulator roller into the channel.

After inserting the main arm roller, insert the sub arm roller.

NOTE:

Be careful not to damage the rollers during insertion into the channel.



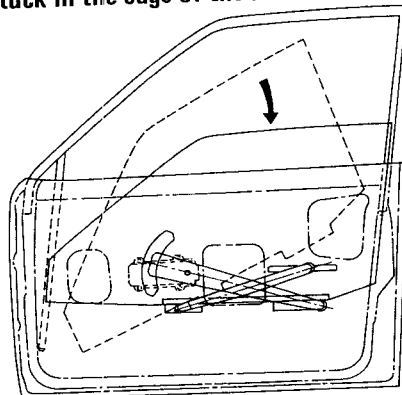
K21-046

Fig. 5-10-16

(3) Slowly lower the glass and place its front and rear ends into the run channel. Tighten the guide rail at the midpoint of the access hole when it reaches that position.

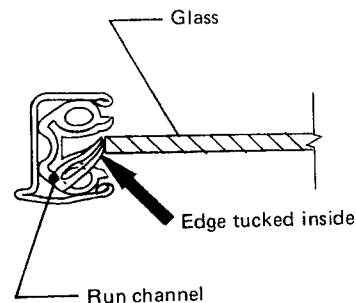
NOTE:

When inserting glass, be careful not to tuck in the edge of the run channel.



K21-047

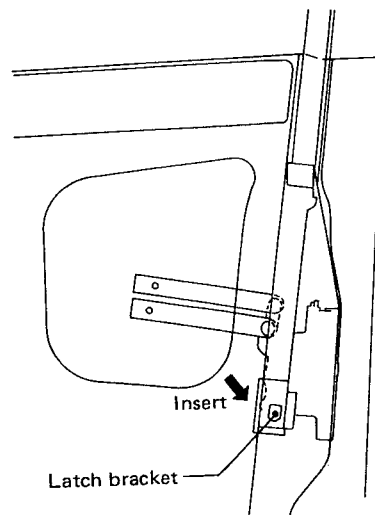
Fig. 5-10-17



K21-048

Fig. 5-10-18

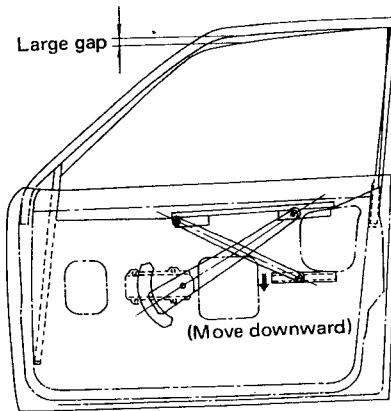
(4) Raise the glass to the uppermost position and fix the guide. After placing the glass in the upper sash, insert it into the latch bracket.



K21-049

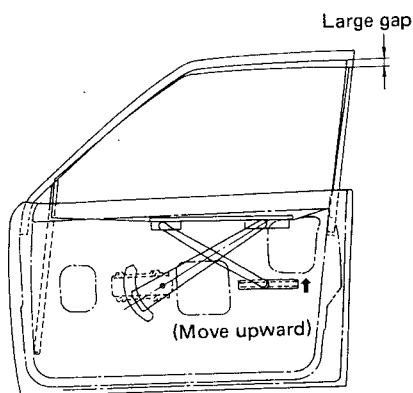
Fig. 5-10-19

(5) Raise and lower the glass to check its position and fix the guide rail in the proper place. When the glass has a forward or backward tilt, adjust by moving the guide rail up and down.



K21-041

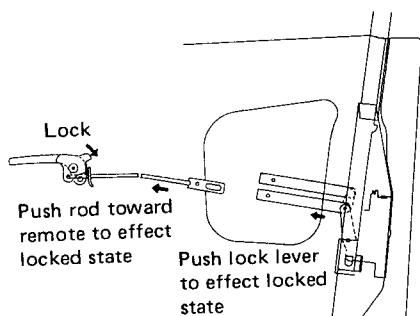
Fig. 5-10-20



K21-042

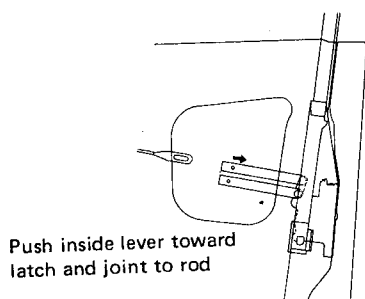
Fig. 5-10-21

(6) Link the inner remote rod to the latch connector. The inner remote lock lever should be linked to the latch in a locked state.



K21-043

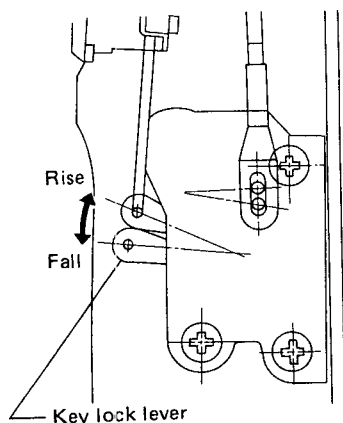
Fig. 5-10-22



K21-044

Fig. 5-10-23

After assembly, operate the inner remote unit to ensure the latch functions properly. Make sure that the inner remote lock and the key lock lever of the unlocked latch rise and lower completely.



K21-050

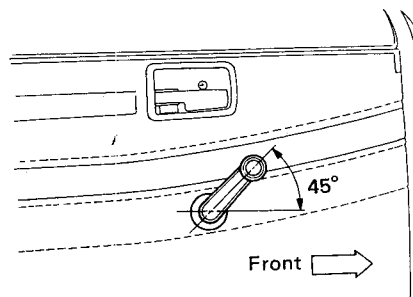
Fig. 5-10-24

(7) Install the weatherstrip, sealing cover, trim panel, inner remote cover, regulator handle and arm rest in that order.

In the 3-door vehicle, after installing the weatherstrip, fix the regulator guide rail stopper with the glass level to the lower window frame.

NOTE:

When the glass is raised to the uppermost position, the regulator handle should be fixed as it is turned 45° upward.



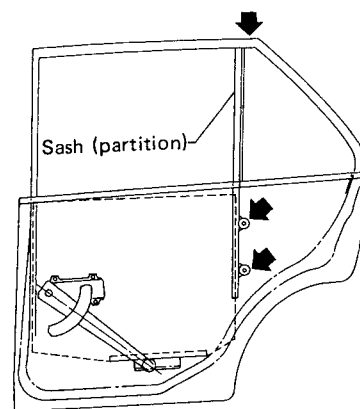
K21-021

Fig. 5-10-25

5. Removal and Installation of Rear Door Glass

1) The rear door glass should be removed using the following directions:

(1) Utilize the same steps as taken to remove the front door glass until the inner remote rod and latch connector are removed. Then lower the glass and remove the 3 bolts securing the sash.



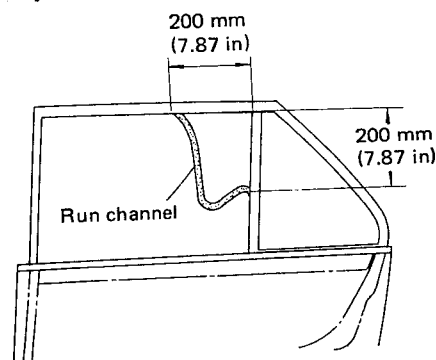
K21-024

Fig. 5-10-26

(2) Remove about 200 mm (7.87 in) of the run channel from the sash, remove the upper end of the upper sash, tilt the sash forward and remove the sash from the door panel.

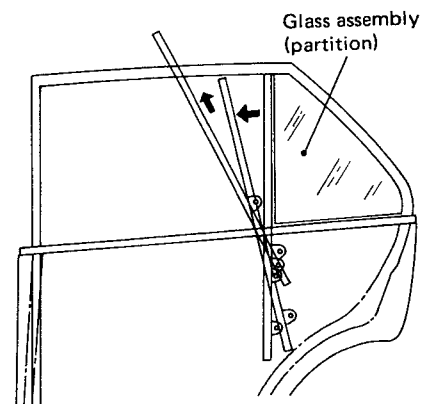
NOTE:

- The run channel may crack if pulled forcibly.
- When removing the sash, be careful not to allow the bracket to contact the upper side of the door or the partition glass. Damage will result.



K21-025

Fig. 5-10-27

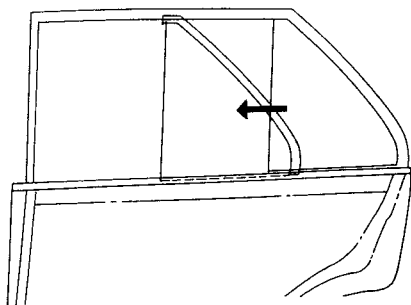


K21-026

Fig. 5-10-28

Doors

(3) The partition glass should be removed from the door panel by moving it forward and lifting up.



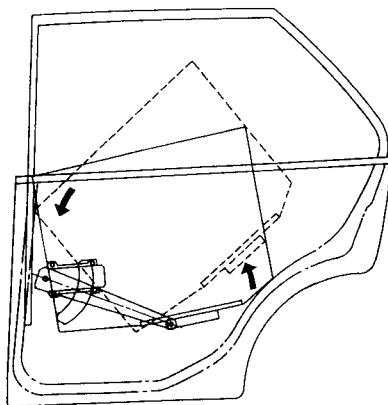
K21-027

Fig. 5-10-29

(4) Lift the glass and turn it forward to remove it from the regulator roller. Then turn the glass 90° and remove it from the door panel.

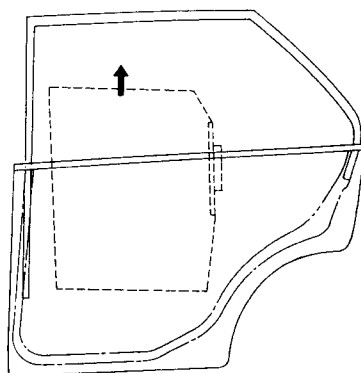
NOTE:

Insert the glass in the run channel of the front sash and raise and lower it while pushing forward.



K21-028

Fig. 5-10-30

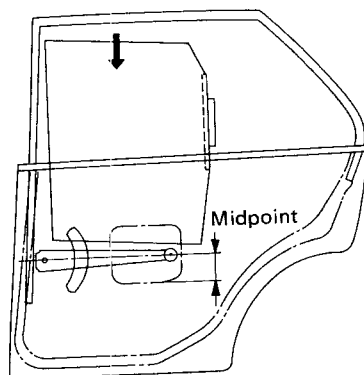


K21-029

Fig. 5-10-31

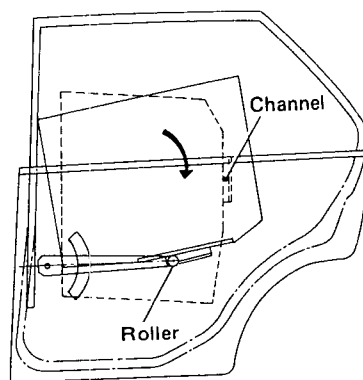
2) The rear door glass should be reinstalled in an order opposite to removal. Pay attention to the following points:

(1) Raise the regulator arm until it comes to the midpoint of the access hole, turn it upright, put it inside the door, and put the regulator arm roller in the channel.



K21-030

Fig. 5-10-32



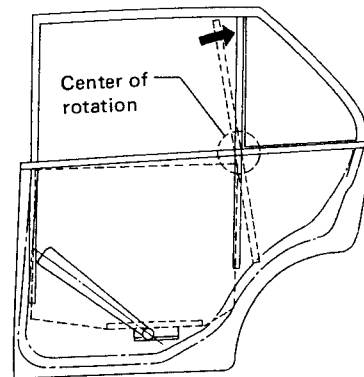
K21-031

Fig. 5-10-33

(2) Set the door glass in the run channel of the front sash, bring it down to the lowest position, and install the partition sash and insert the run channel.

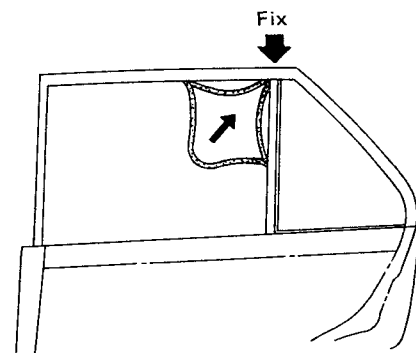
NOTE:

Insert the run channel little by little starting at the joint of the partition sash and upper sash. Do not forcefully pull the run channel.



K21-032

Fig. 5-10-34



K21-033

Fig. 5-10-35