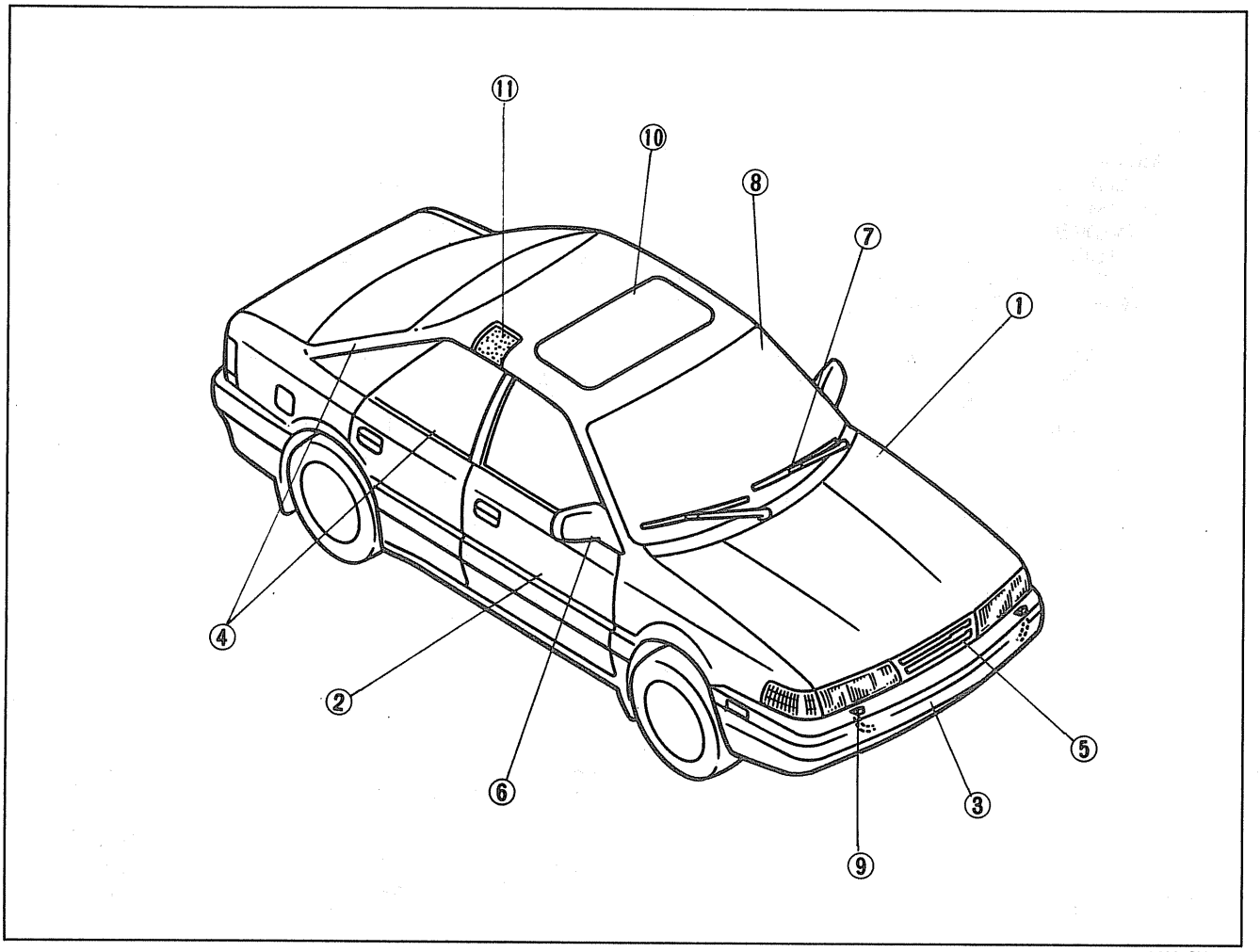
BODY

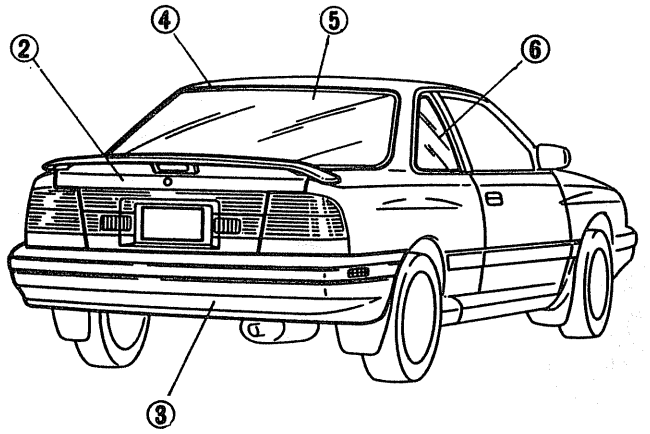
16U0SX-002

INDEX

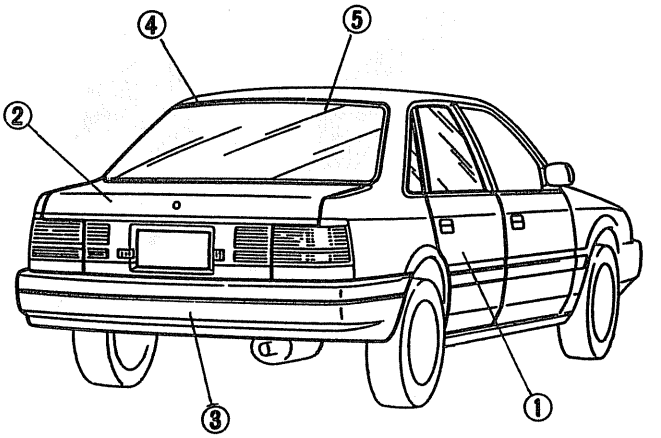


06U0SX-002

MX-6



SEDAN



06U0SX-003

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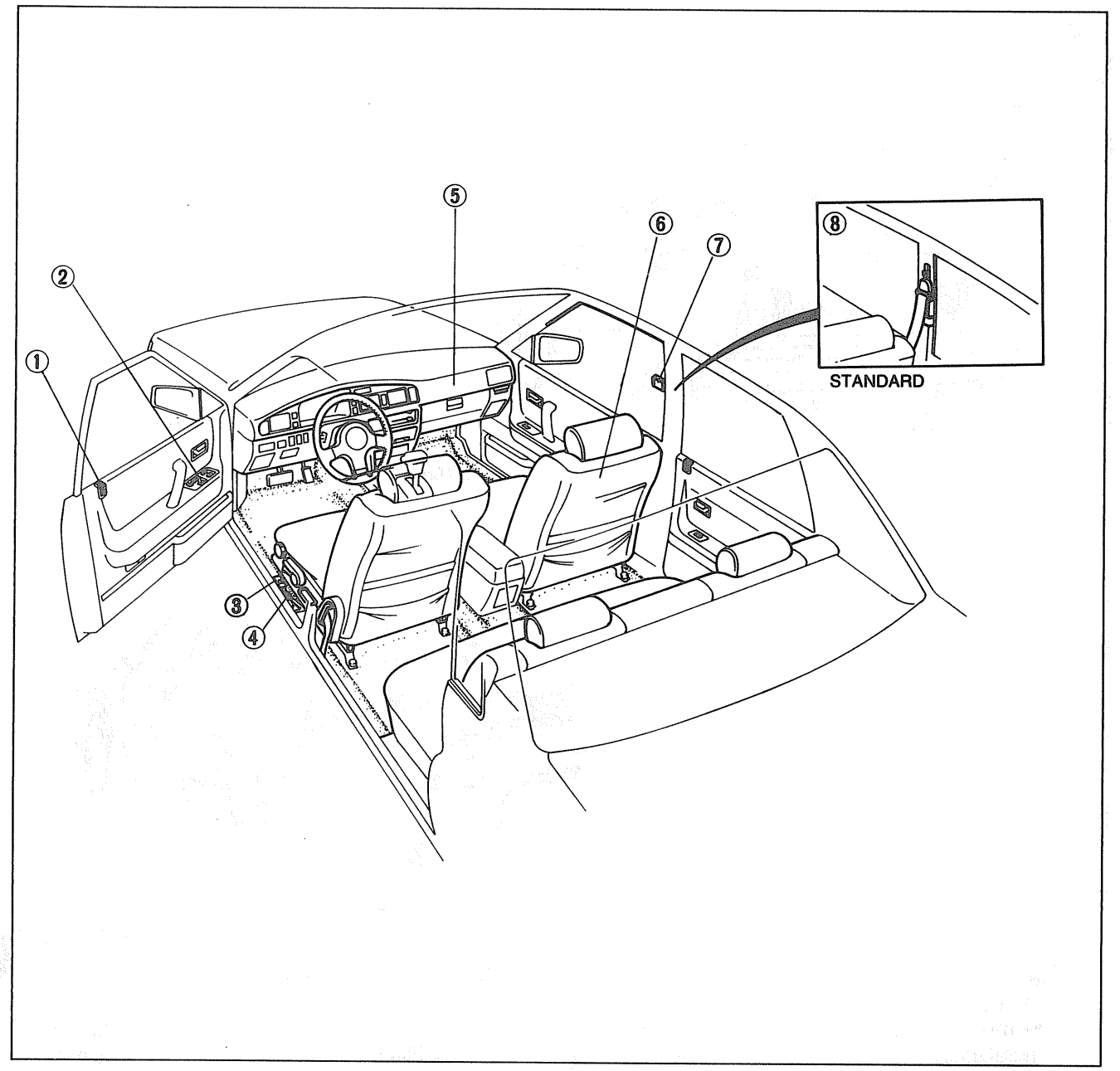
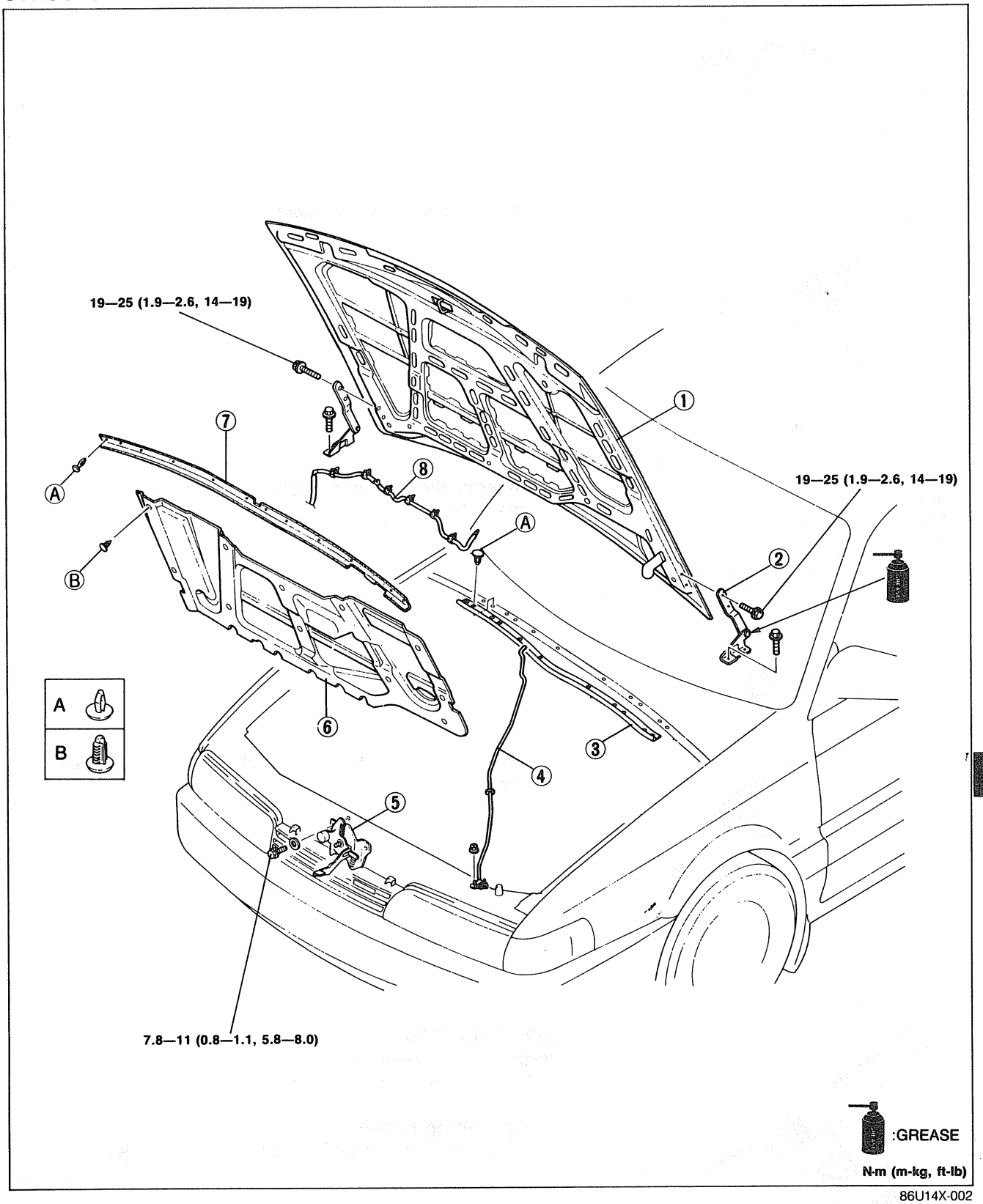


16U0SX-003

HOOD

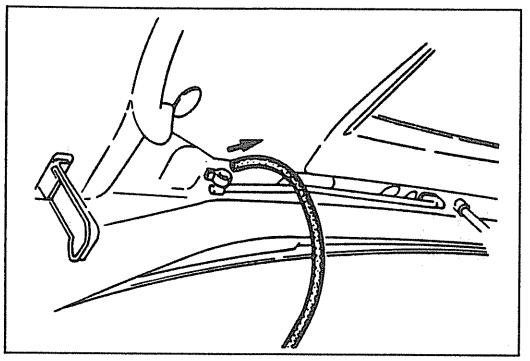
STRUCTURAL VIEW



86U14X-002

1. Hood
2. Hinge
3. Cowl seal rubber
4. Hood stay
5. Hood lock
6. Hood insulator
7. Front seal rubber
8. Windshield washer hose

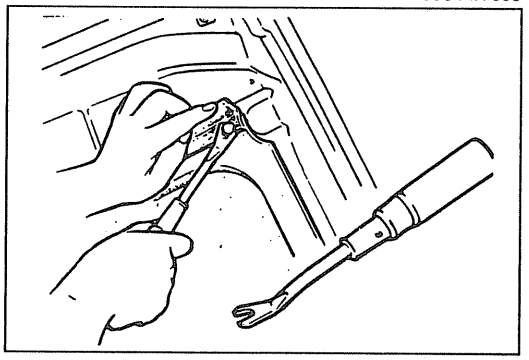
HOOD



86U14X-003

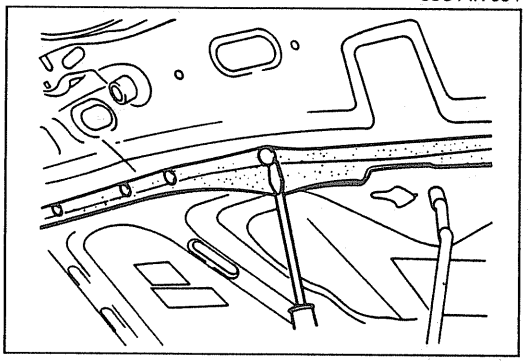
REMOVAL

1. Disconnect the windshield washer hose at the joint shown in the figure.



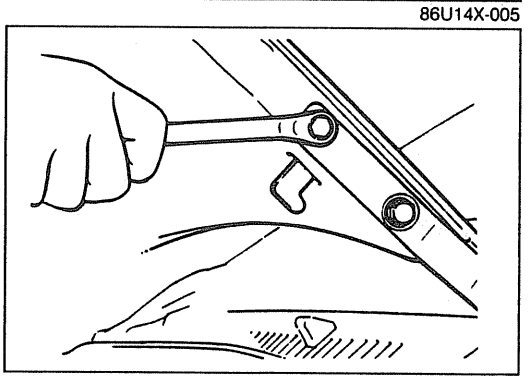
86U14X-004

2. Remove hood insulator fasteners, then remove the insulator.



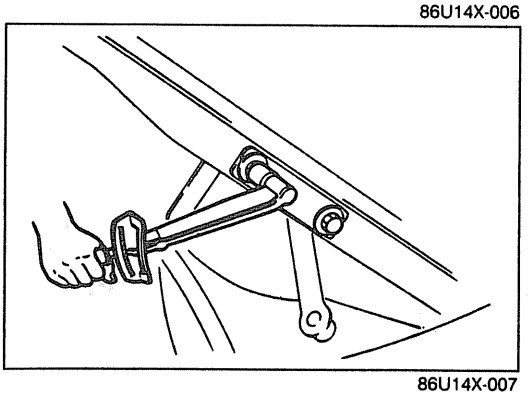
86U14X-005

3. Remove the front seal rubber fasteners, then remove the seal rubber.



86U14X-006

4. Remove the hood hinge installation bolts, then remove the hood.



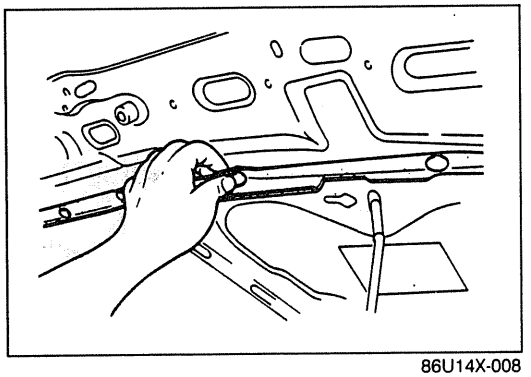
86U14X-007

INSTALLATION

Install in the reverse order of removal.

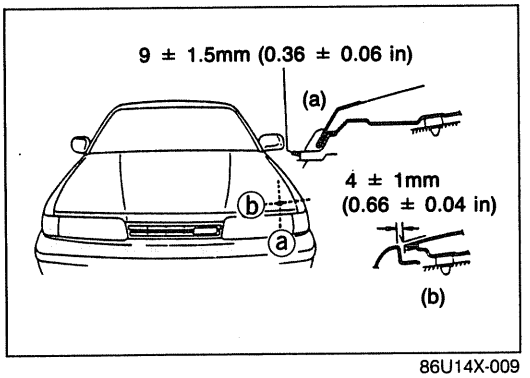
1. Hood hinge installation bolts.

Tightening torque:
19—25 N·m (1.9—2.6 m-kg, 14—19 ft-lb)



86U14X-008

2. Push the fasteners into the hood.

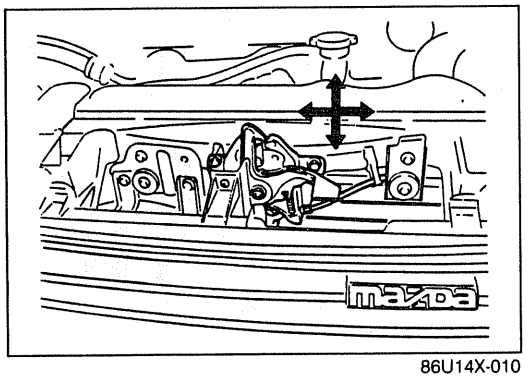


86U14X-009

ADJUSTMENT

Hood

Adjust the hood laterally and vertically by loosening the hood to hinge mounting bolts and repositioning the hood.



86U14X-010

Hood Lock

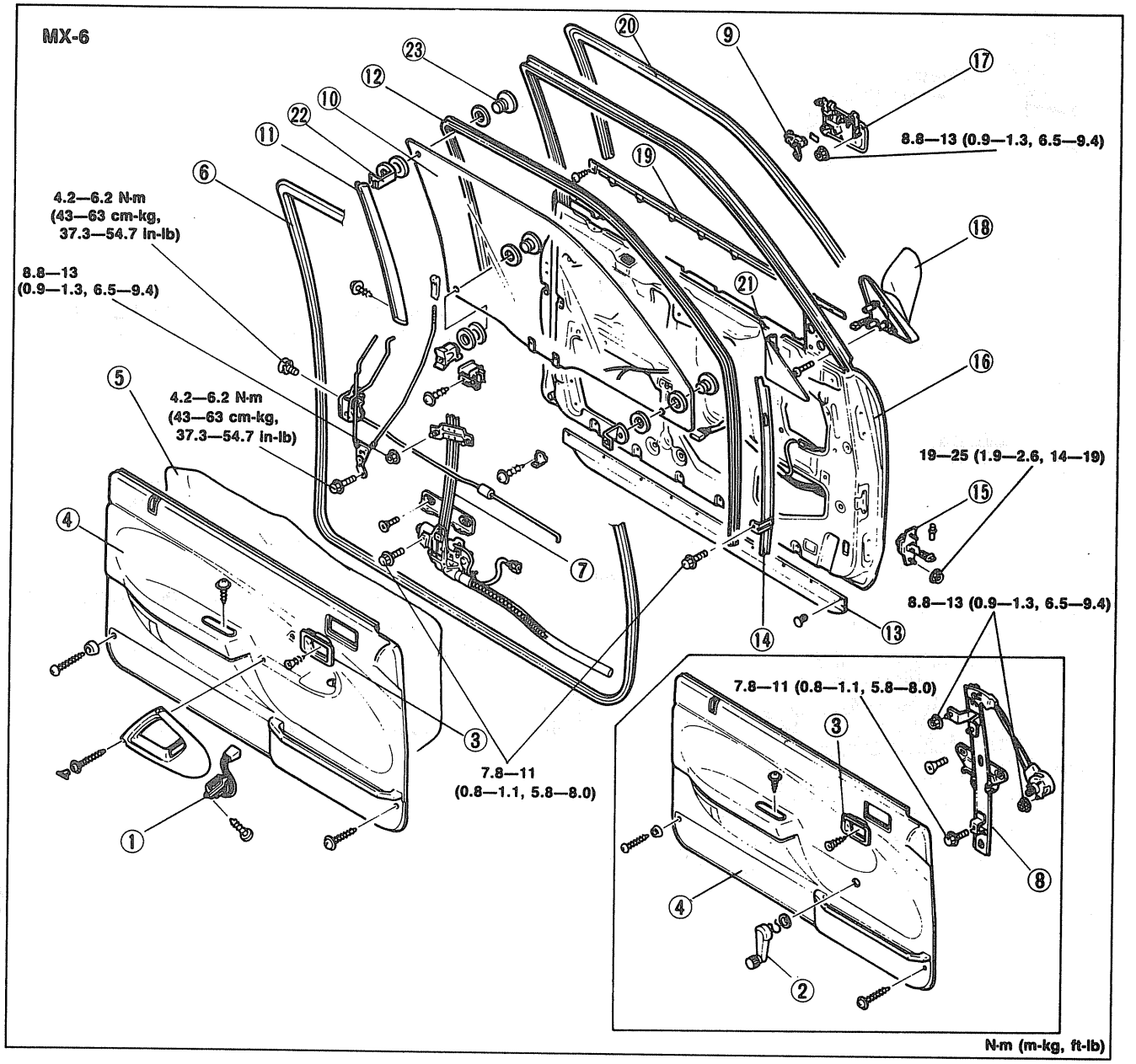
Adjust the hood lock after the hood has been aligned. The lock can be moved vertically and horizontally. Align it with the striker on the hood after loosening the mounting bolts.

Tightening torque:
7.8—11 N·m (0.8—1.1 m-kg, 5.8—8.0 ft-lb)

S

FRONT DOORS

STRUCTURAL VIEW



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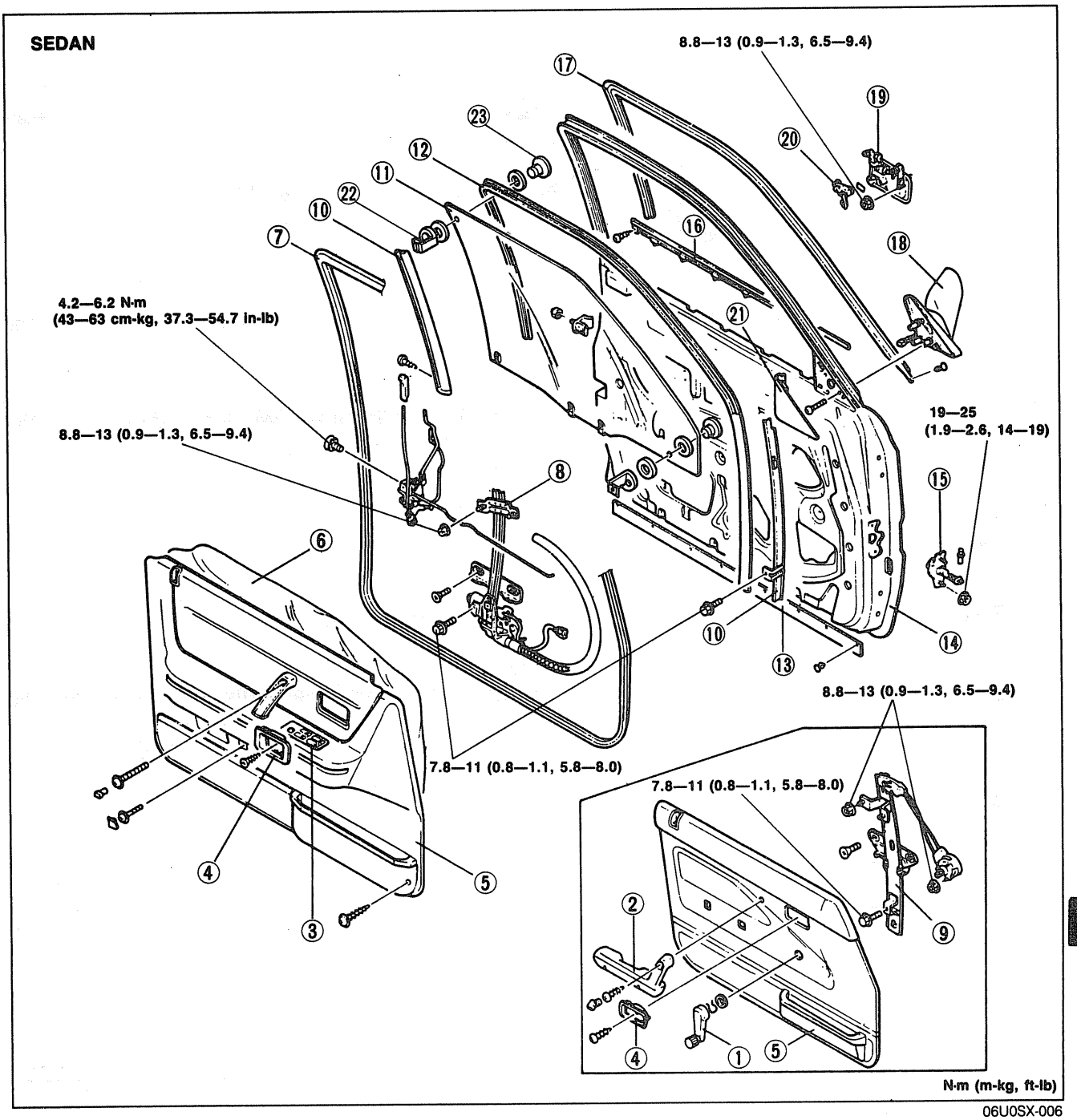
1. Power window switch
   Inspection..... page S-34
2. Regulator handle
3. Inner handle cover
4. Door trim
5. Door screen
6. Weatherstrip
7. Regulator (power type)
   Removal..... page S-10
   Installation ..... page S-11
8. Regulator (manual type)
   Removal..... page S-10
   Installation ..... page S-11
9. Key cylinder
   Removal..... page S-11
   Installation ..... page S-12
10. Glass
    Removal..... page S-10
    Installation ..... page S-11
11. Glass guide
12. Run channel
13. Weatherstrip
14. Glass guide
15. Door checker
16. Door
17. Outer handle
    Removal..... page S-11
    Installation ..... page S-12
18. Door mirror
    Disassembly..... page S-50
    Assembly..... page S-50
19. Beltline molding
20. Weatherstrip
21. Sail inner garnish
22. Glass guide
    Removal..... page S-12
    Installation ..... page S-13
23. Glass clamp nut
    Removal..... page S-12
    Installation ..... page S-13



06U0SX-006

1. Regulator handle
2. Arm rest
3. Power window switch
   Inspection..... page S-34
4. Inner handle cover
5. Door trim
6. Door screen
7. Weatherstrip
8. Regulator (power type)
   Removal..... page S-10
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9. Regulator (manual type)
   Removal..... page S-10
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14. Door
15. Door checker
16. Beltline molding
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18. Door mirror
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    Assembly..... page S-50
19. Outer handle
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20. Key cylinder
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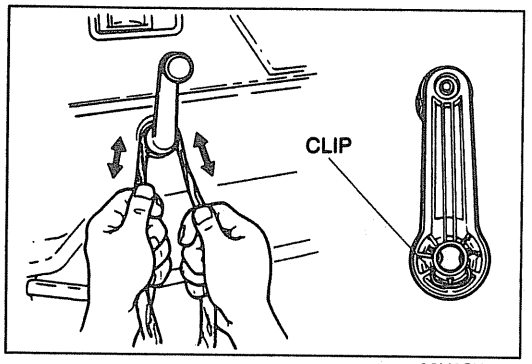
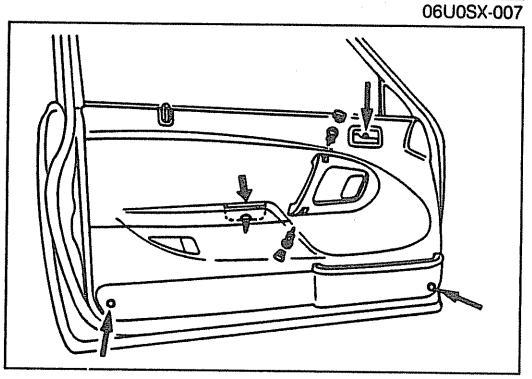
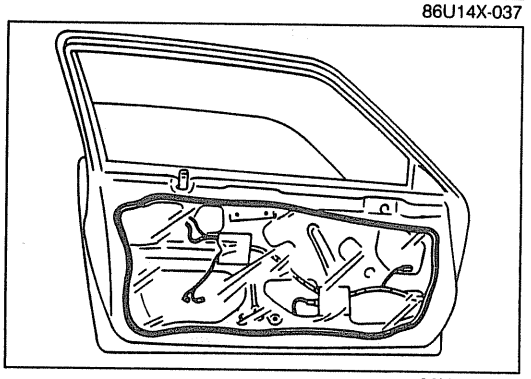
21. Sail inner garnish
22. Glass guide
    Removal..... page S-12
    Installation ..... page S-13
23. Glass clamp nut
    Removal..... page S-12
    Installation ..... page S-13



06U0SX-007


86U14X-037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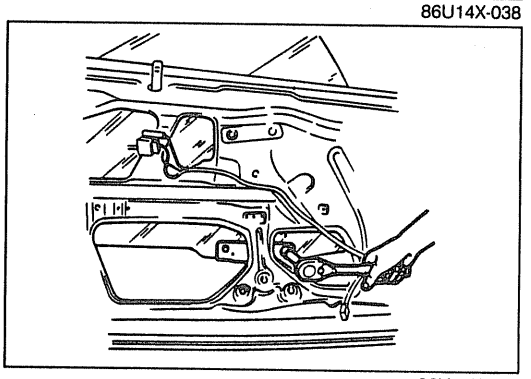
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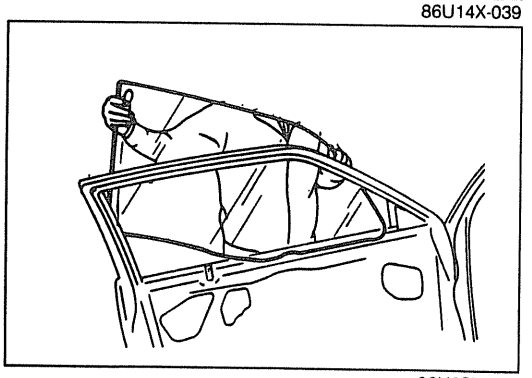

06U0SX-008

FRONT DOOR GLASS AND REGULATOR
Removal

Note
- **Raise the door glass 100mm (3.94 in) from the fully open position.**

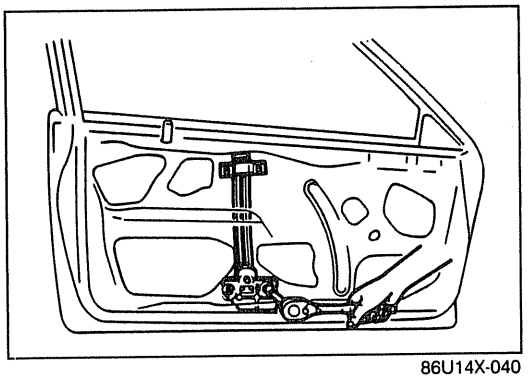
1. Remove the clip and regulator handle. (Manual type)
2. Remove the inner handle cover, the screws (arrows), and the door trim.

Note
- **For vehicles with power windows, disconnect the connectors.**

3. Remove the door screen.

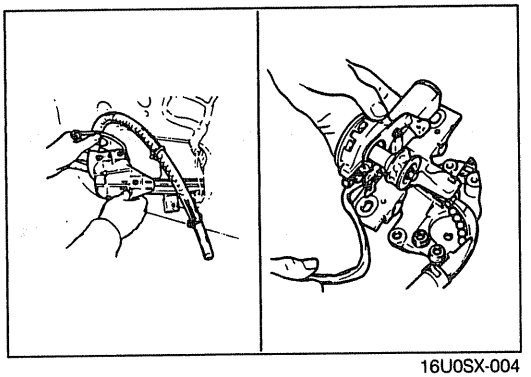
Caution
- **Remove the screen carefully so that it may be reused.**

4. Position the door glass so that the mounting bolts can be removed from the service holes.
5. Remove the mounting bolts.
6. Remove the beltline molding. (Refer to page S–54.)
7. Remove the door glass by lifting upward.



86U14X-040

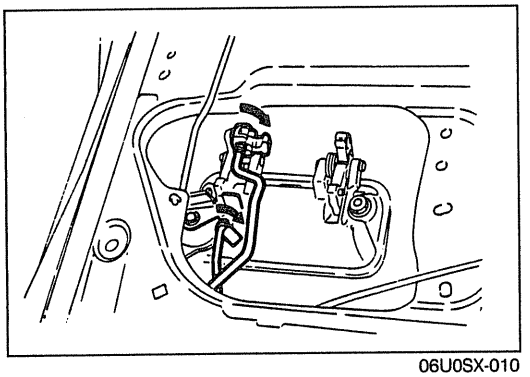
8. Remove the mounting bolts, and remove the regulator through the service hole.



16U0SX-004

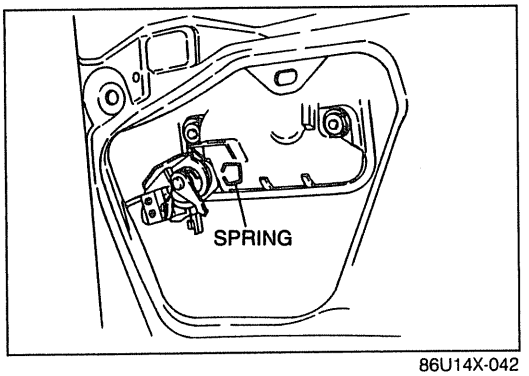
9. Remove the window motor mounting bolt, and remove the motor from the regulator (power window).

Installation
Install in the reverse order of removal.



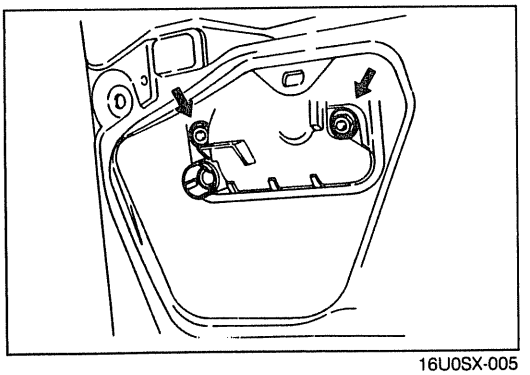
06U0SX-010

OUTER HANDLE AND KEY CYLINDER
Removal
1. Disconnect the rod from the outer handle.



86U14X-042

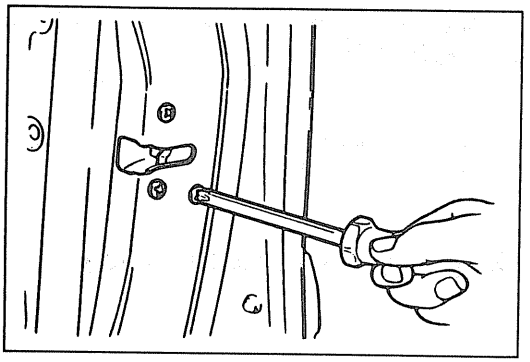
2. Remove the key cylinder spring.
3. Remove the key cylinder.



16U0SX-005

4. Remove the mounting nuts and remove the outer handle.

Installation
Install in the reverse order of removal.



16U0SX-006

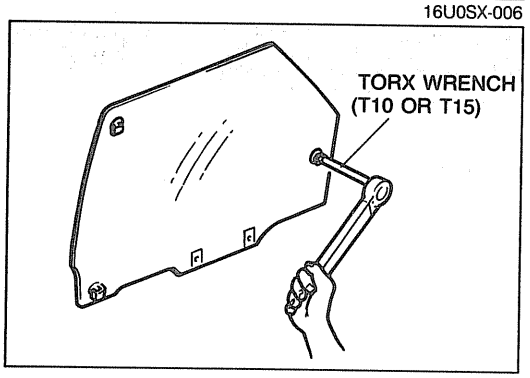
DOOR LOCK ASSEMBLY

Removal

1. Remove the mounting screws.
2. Remove the door lock assembly.

Installation

Install in the reverse order of removal.



06U0SX-013

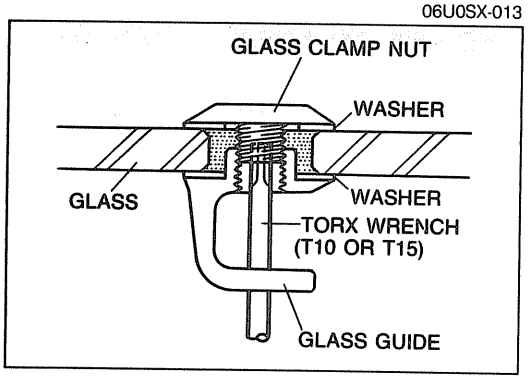
GLASS GUIDE AND GLASS CLAMP NUT

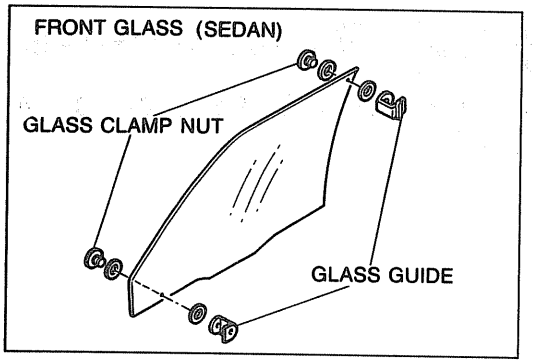
Removal

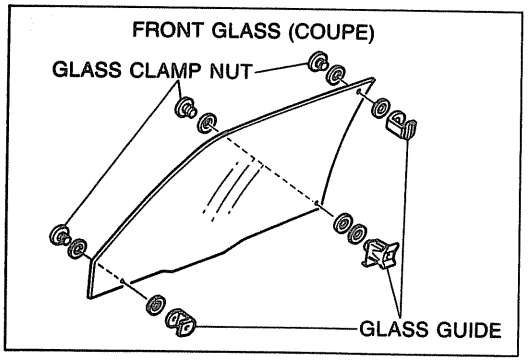
1. Removal of door glass. (Refer to page S–10.)
2. Removal of glass guide and glass clamp nut.
   (1) Remove glass clamp nut and remove the glass guide.

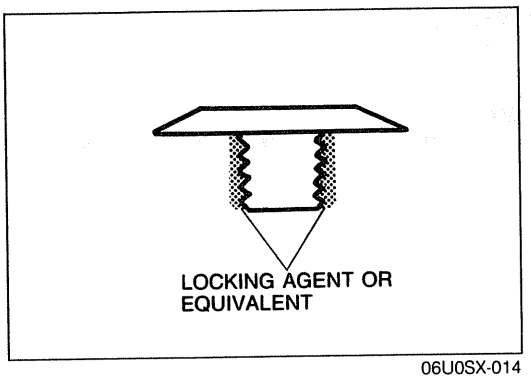
Note

- **Apply heat (lighter) to the glass clamp nut if removal is difficult.**









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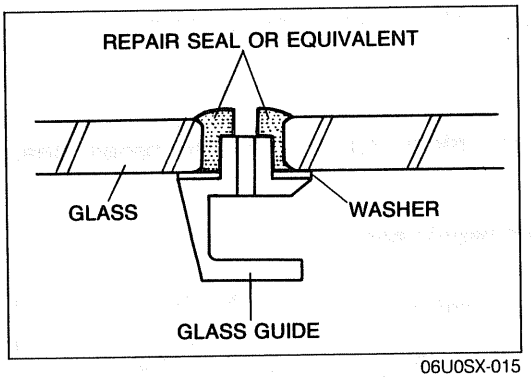

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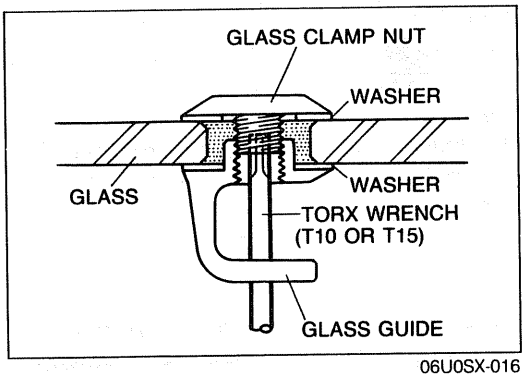

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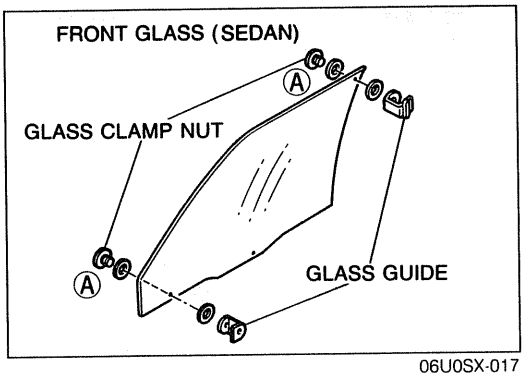

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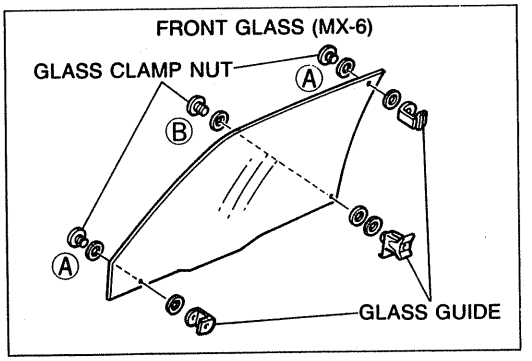


Installation

1. Installation of glass guide and glass clamp nut.
   (1) Clean and degrease the glass clamp nut and glass guide thread.
   (2) Apply the locking agent (8530 77 743) or equivalent to the threads of the glass clamp nut.

Note

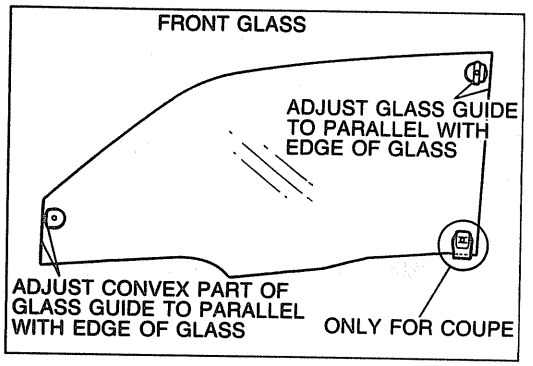
- **Apply the locking agent or equivalent freely.**

(3) Center the glass guide and washer on the glass and fill with repair seal (B001 77 739) or equivalent the gap between the glass and glass guide.

(4) Loosely tighten the glass clamp nut into the glass guide.

Note

- **Install the glass clamp nut Ⓐ (GJ21 58 518E) with the torx wrench (T10).**
- **Install the glass clamp nut Ⓑ (GJ23 58 518) with the torx wrench (T15).**



06U0SX-018

(5) Adjust the glass guide to be parallel with the edge of the glass and tighten the glass clamp nut.

Tightening torque:
2.0—2.7 N·m (20—28 cm-kg, 17.4—24.3 in-lb)

(6) Remove the excess repair seal or equivalent with kerosene.

Caution
- **Keep the door glass open until the repair seal hardens.**

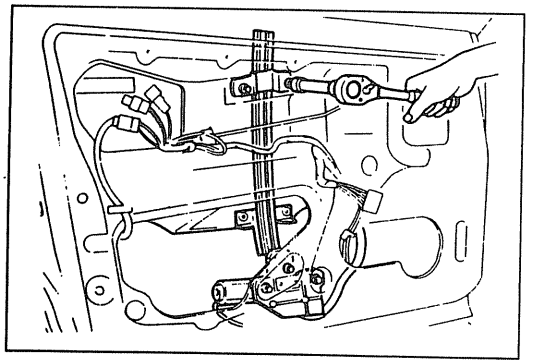
Hardening time of repair seal

Temperature	Surface hardening time	Time required until car can be put in service
5°C (41°F)	Approx. 1.5 hrs	12 hrs
20°C (68°F)	Approx. 1 hr	4 hrs
35°C (95°F)	Approx. 10 min	2 hrs

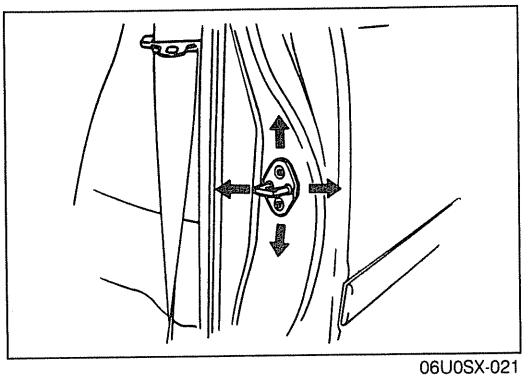
2. Check for water leaks.
   (1) Check for water leaks. If a leak is found, remove the glass clamp nut and glass guide, and perform installation from the beginning.
3. Installation of door glass. (Refer to page S–11.)

Note
- **Check the door glass movement after installation. If the door glass does not move smoothly, remove the glass clamp nut and glass guide, and perform installation from the beginning.**

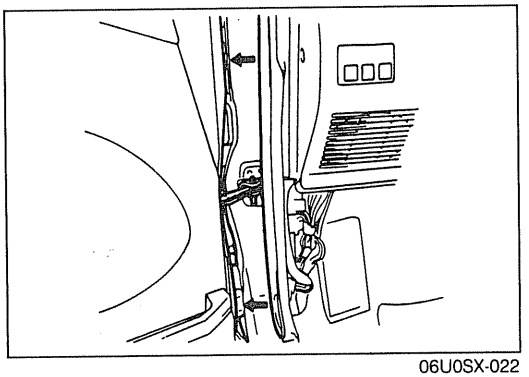
06U0SX-019


06U0SX-020

POWER WINDOW
Before installing the motor, connect the leads to a battery and run the regulator down to the position shown.



06U0SX-021



06U0SX-022

DOOR LOCK STRIKER

Adjustment

1. Check that the door can be closed easily and whether there is any looseness. If there is a problem, loosen the striker mounting screws and adjust by moving the striker down, or laterally.
2. Check the rear offset of the door to the body. If there is a problem, adjust by moving the door lock striker laterally.

DOOR HINGE

Adjustment

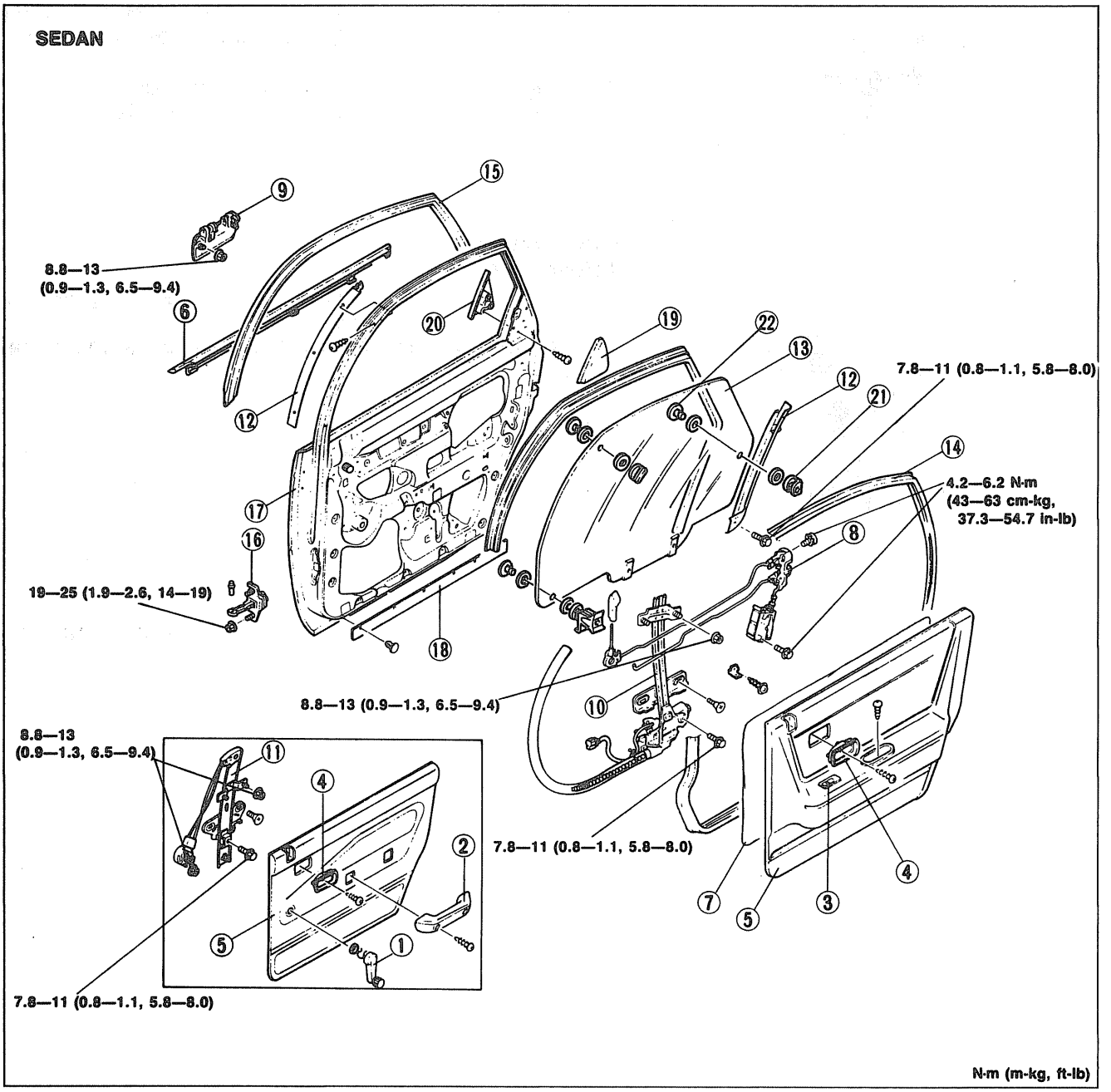
1. If looseness is found when the door is opened, tighten the door hinge mounting bolts (arrows).
2. Align the door and body by loosening and adjusting the door hinge mounting bolts.

Note

- **If noise is heard from the checker when the door is opened, apply grease to the checker cam.**

REAR DOORS

STRUCTURAL VIEW



06U0SX-023

1. Regulator handle (manual type)
2. Arm rest
3. Power window switch
   Inspection ..... page S–34
4. Inner handle cover
5. Door trim
6. Beltline molding
7. Door screen
8. Door lock
   Installation ..... page S–20
9. Outer handle
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10. Regulator (power type)
    Removal ..... page S–17
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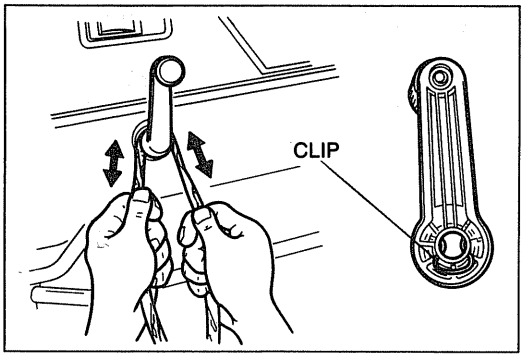
11. Regulator (manual type)
    Removal ..... page S–17
    Installation ..... page S–18
12. Glass guide
13. Glass
    Removal ..... page S–17
    Installation ..... page S–18
14. Weatherstrip
15. Weatherstrip
16. Door checker
17. Door
18. Weatherstrip
19. Sail inner garnish
20. Sail outer garnish
21. Glass guide
    Removal ..... page S–18
    Installation ..... page S–18
22. Glass clamp nut
    Removal ..... page S–18
    Installation ..... page S–18

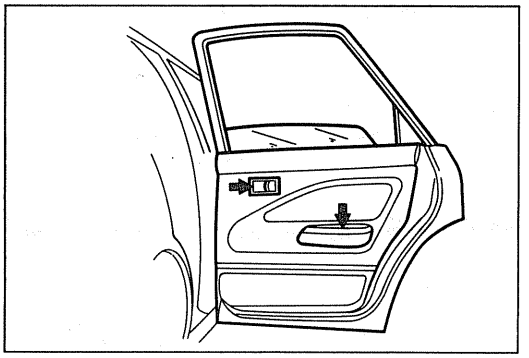


06U0SX-024

REAR DOOR GLASS AND REGULATOR

Removal

1. Lower the door glass the way.
2. Remove the clip. (Manual type)
3. Remove the regulator handle. (Manual type)

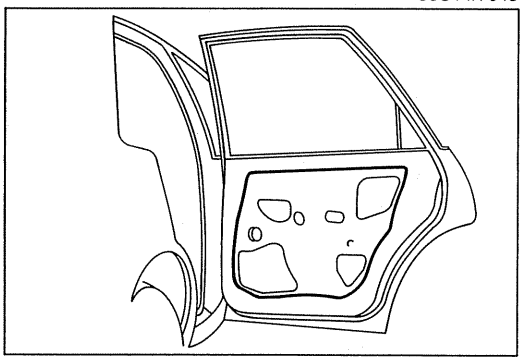


86U14X-048

4. Remove the inner handle cover.
5. Remove the door trim.

Note

- **For vehicles with power windows, disconnect the connectors.**

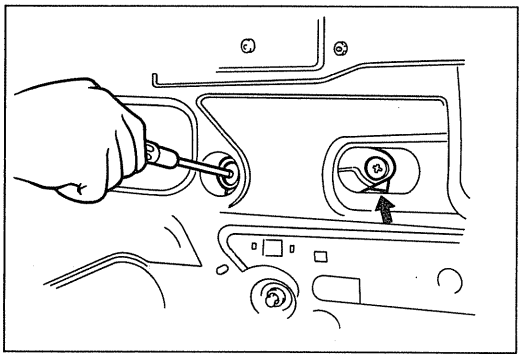


86U14X-049

6. Remove the door screen.

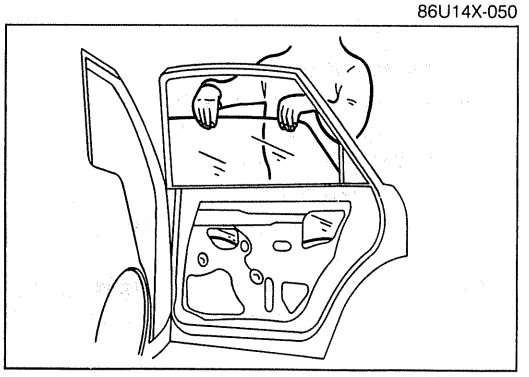
Caution

- **Remove the screen carefully so that it may be reused.**



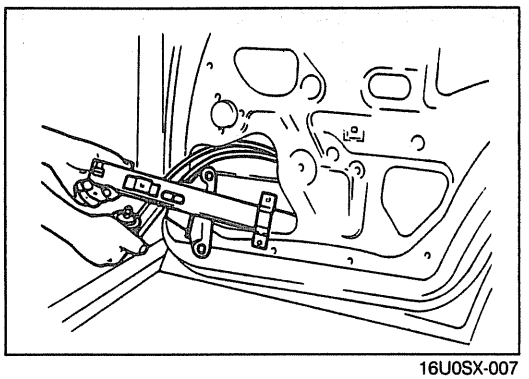
86U14X-050

7. Position the door glass so that the mounting bolts can be removed from the service hole.
8. Remove the mounting bolts.



86U14X-051

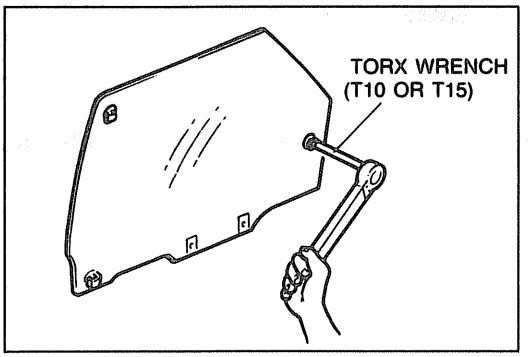
9. Remove the door glass upward.



16U0SX-007

10. Remove the mounting bolts, and remove the window regulator through the service hole.
11. Remove the window motor mounting bolts, then remove the motor from the regulator (power window).

Installation
Install in the reverse order of removal.

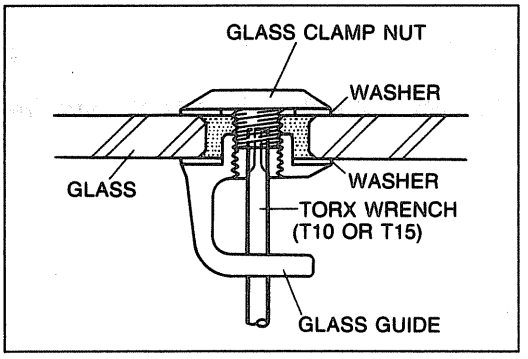


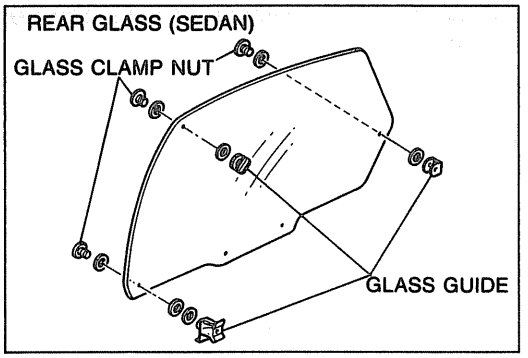
06U0SX-026

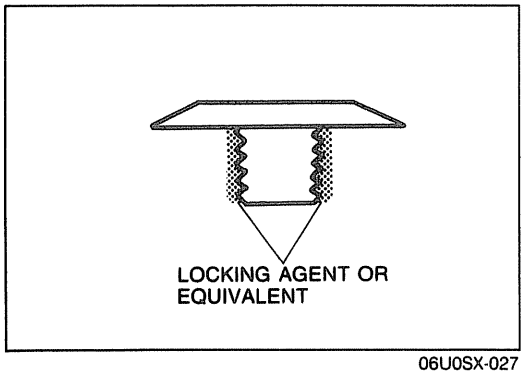
GLASS GUIDE AND GLASS CLAMP NUT

Removal
1. Removal of door glass. (Refer to page S–17.)
2. Removal of glass guide and glass clamp nut
   (1) Remove glass clamp nut and remove the glass guide.

Note
- **Apply heat (lighter) to the glass clamp nut if removal is difficult.**



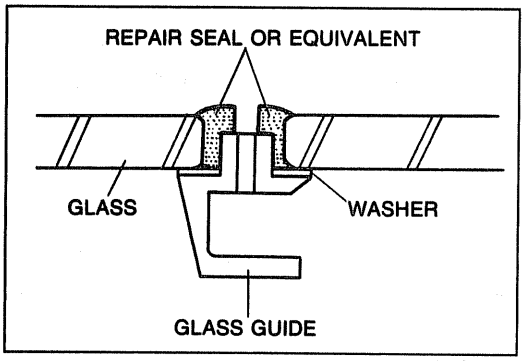




06U0SX-027

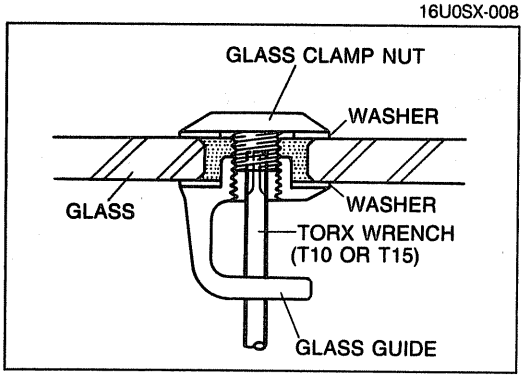
Installation
1. Installation of glass guide and glass clamp nut
   (1) Clean and degrease the glass clamp nut and glass guide thread.
   (2) Apply the locking agent (8530 77 743) or equivalent to the threads of the glass clamp nut.

Note
- **Apply the locking agent or equivalent freely.**



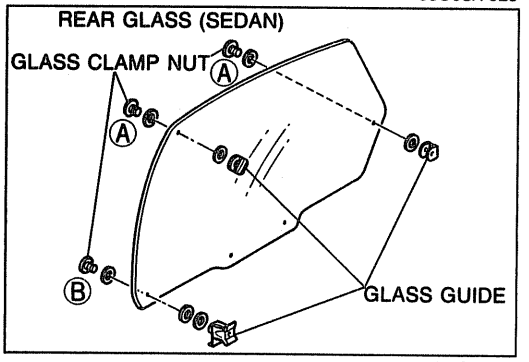
16U0SX-008

(3) Center the glass guide and washer on the glass and fill the gap between the glass and glass guide with repair seal (B001 77 739) or equivalent.



06U0SX-029

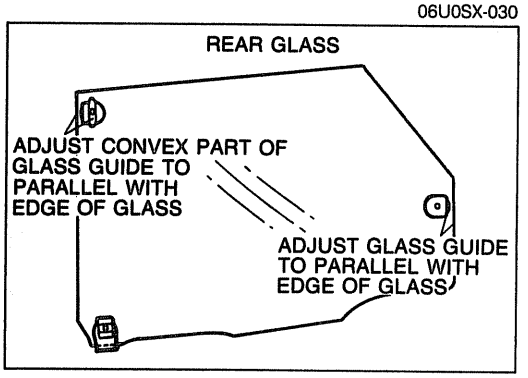
(4) Loosely tighten the glass clamp nut into the glass guide.



06U0SX-030

Note

- **Install the glass clamp nut Ⓐ (GJ21 58 518E) with the torx wrench (T10).**
- **Install the glass clamp nut Ⓑ (GJ23 58 518) with the torx wrench (T15).**



06U0SX-031

(5) Adjust the glass guide to be parallel with the edge of the glass and tighten the glass clamp nut.

Tightening torque:
2.0—2.7 N·m (20—28 cm-kg, 17.4—24.3 in-lb)

(6) Remove the excess repair seal or equivalent with kerosene.

Caution

- **Keep the door glass open until the repair seal hardens.**

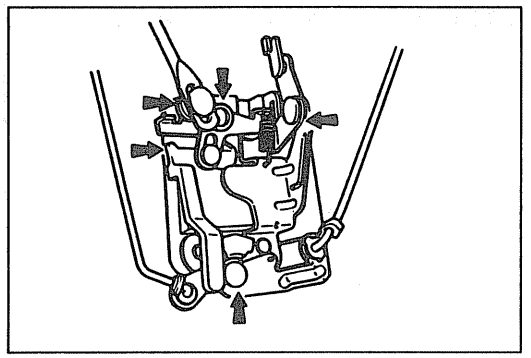
Hardening time of repair seal

Temperature	Surface hardening time	Time required until car can be put in service
5°C (41°F)	Approx. 1.5 hrs	12 hrs
20°C (68°F)	Approx. 1 hr	4 hrs
35°C (95°F)	Approx. 10 min	2 hrs

2. Check for water leaks.
   (1) Check for water leaks. If a leak is found, remove the glass clamp nut and glass guide, and perform installation from the beginning.
3. Installation of door glass. (Refer to page S–18.)

Note
- **Check the door glass movement after installation. If the door glass does not move smoothly, remove the glass clamp nut and glass guide, and perform installation from the beginning.**

06U0SX-032

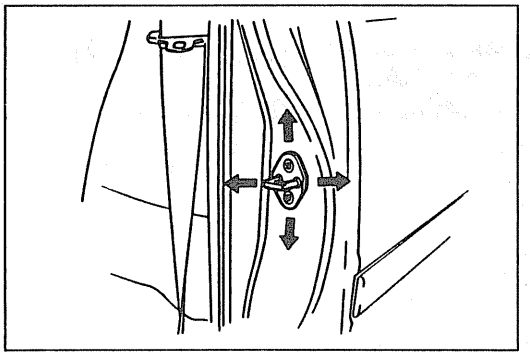


06U0SX-033

DOOR LOCK AND OUTER HANDLE

Installation

1. Before installing the door lock, apply grease to the places shown in the figure.
2. After installation, check that the door opens smoothly, and that the operation of the lock is correct when using the key and the door lock knob.

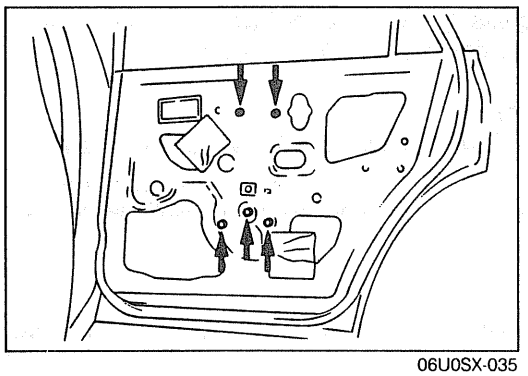


06U0SX-034

DOOR LOCK STRIKER

Adjustment

1. Check that the door can be closed easily and whether there is any looseness. If there is a problem, loosen the striker mounting screws and adjust by moving the striker vertically, or laterally.
2. Check the rear offset of the door to the body. If there is a problem, adjust by moving the door lock striker laterally.



06U0SX-035

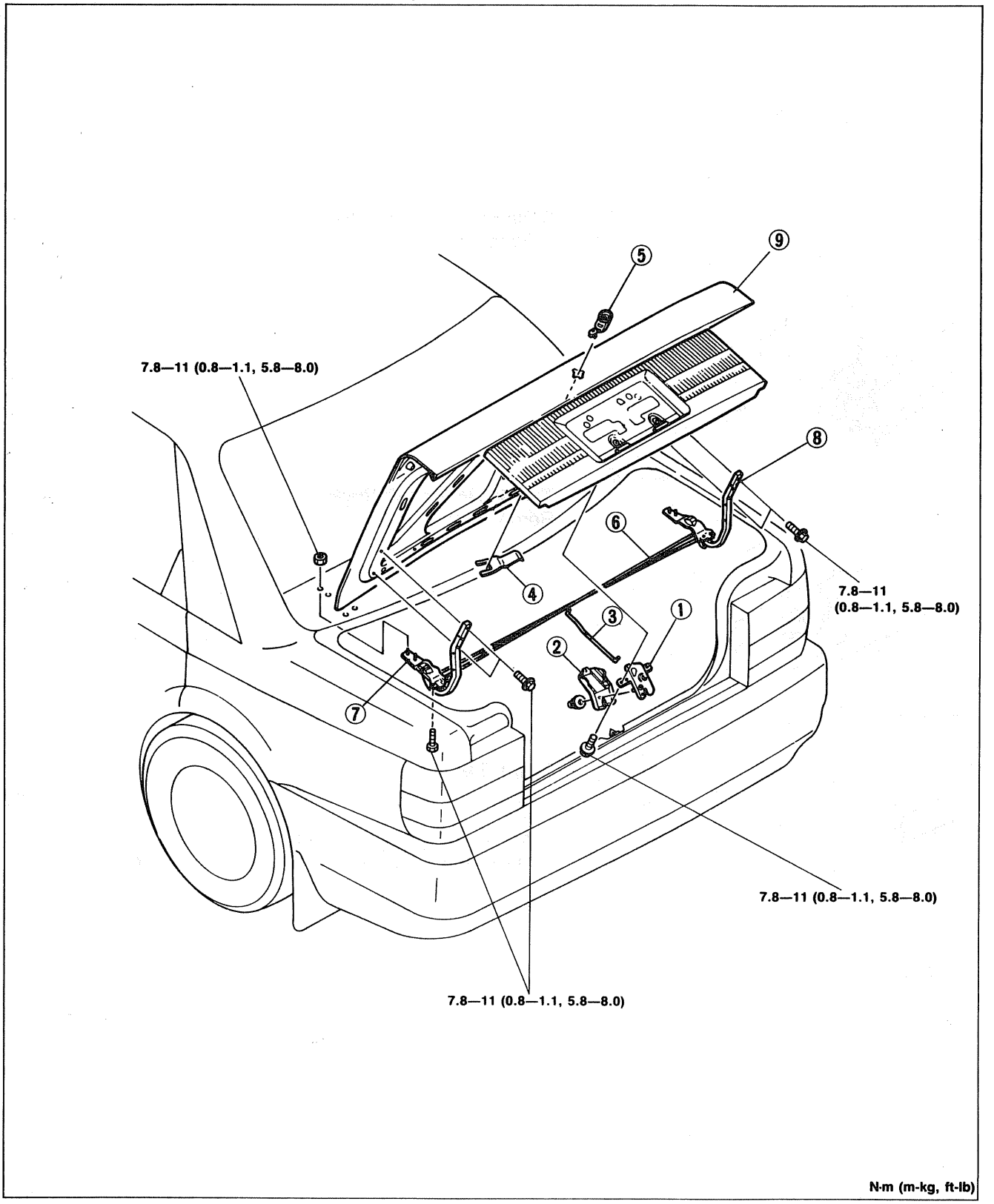
TIGHTENING TORQUE

Torque		N·m (m-kg, ft-lb)
Door lock assembly		4.22—6.18 (0.43—0.63, 3.10—4.54)
Outer handle		8.8—13 (0.9—1.3, 6.5—9.4)
Glass guide		7.8—11 (0.8—1.1, 5.8—8.0)
Regulator	Nut	8.8—13 (0.9—1.3, 6.5—9.4)
	Bolt	7.8—11 (0.8—1.1, 5.8—8.0)
Door lock striker		18—26 (1.8—2.7, 13—20)

Before installing the motor, connect the leads to a battery and run regulator down.

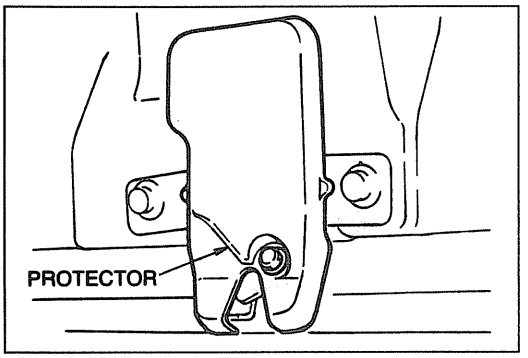
TRUNK LID

STRUCTURAL VIEW (SEDAN AND MX-6)

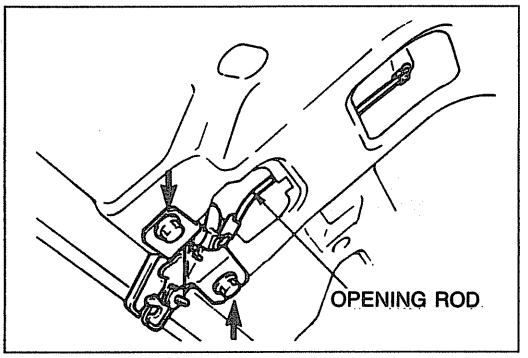


86U14X-011

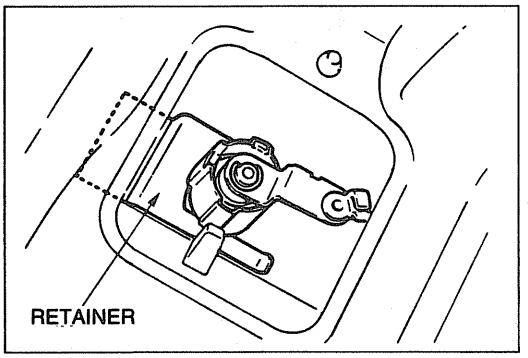
1. Trunk lid lock
2. Trunk lid opener protector
3. Opening rod
4. Retainer
5. Trunk lid key cylinder
6. Balance spring
7. Trunk lid hinge bracket
8. Trunk lid hinge
9. Trunk lid



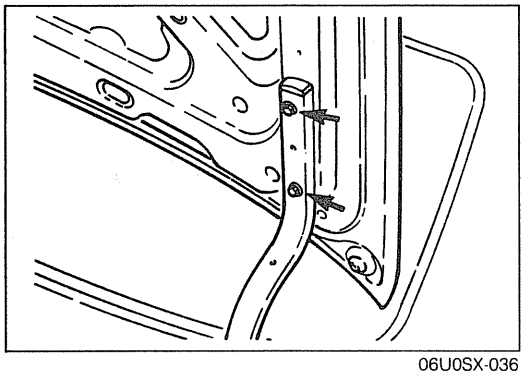
86U14X-012



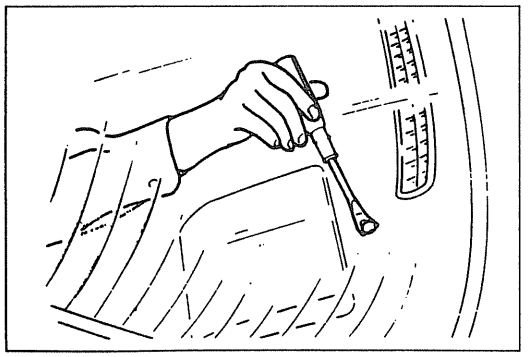
86U14X-013



86U14X-014



06U0SX-036



86U14X-016

REMOVAL

Trunk Lid Opener

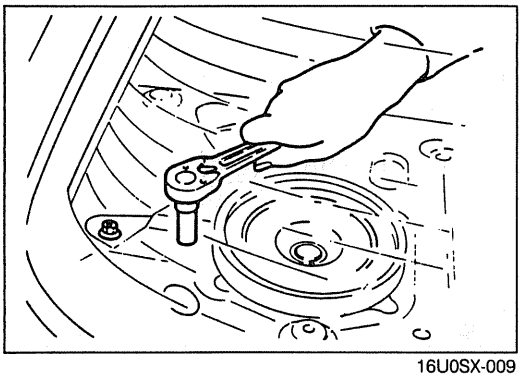
1. Remove the nut and the protector.
2. Remove the opening rod.
3. Remove the bolts and the trunk lid opener.

Trunk Lid Key Cylinder

Remove the retainer and the trunk lid key cylinder.

Trunk Lid

1. Remove the trunk lid installation bolts, then remove the trunk lid.
2. Remove the balance spring.
3. Remove the rear seat. (Refer to page **S–97.**)
4. Remove the fasteners and remove the rear package tray.

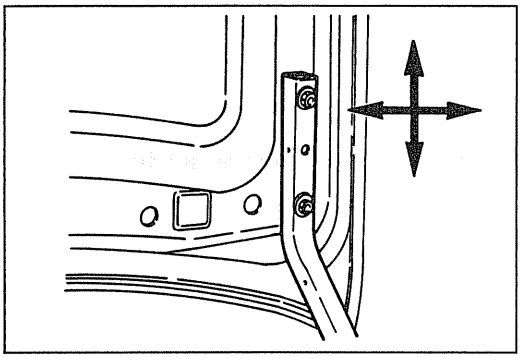


16U0SX-009

5. Remove the bolts and remove the trunk lid hinge bracket.

INSTALLATION

Install in the reverse order of removal.

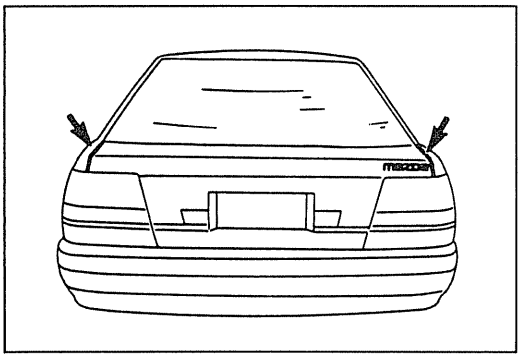


86U14X-019

ADJUSTMENT

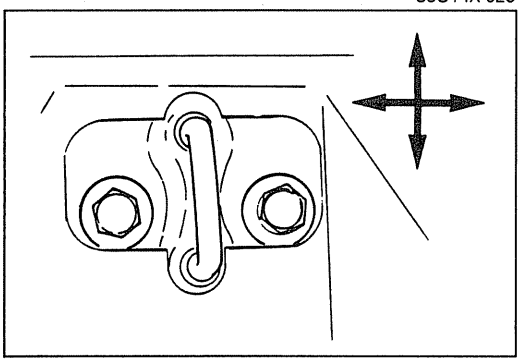
Trunk Lid

1. Adjust the trunk lid by loosening the lid to hinge mounting bolts and repositioning it.



86U14X-020

2. Align the trunk lid evenly as shown in the figure.

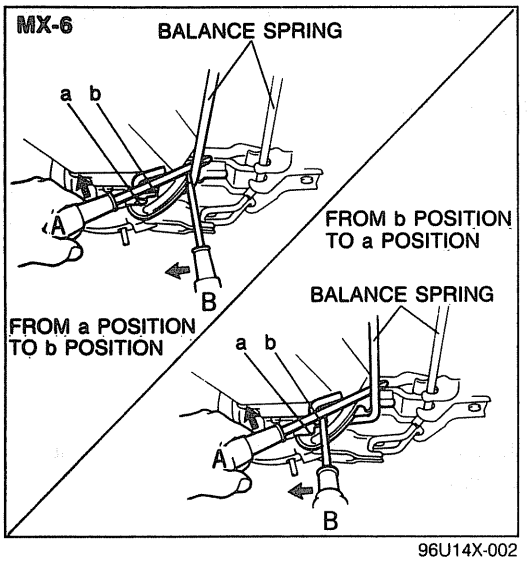


86U14X-021

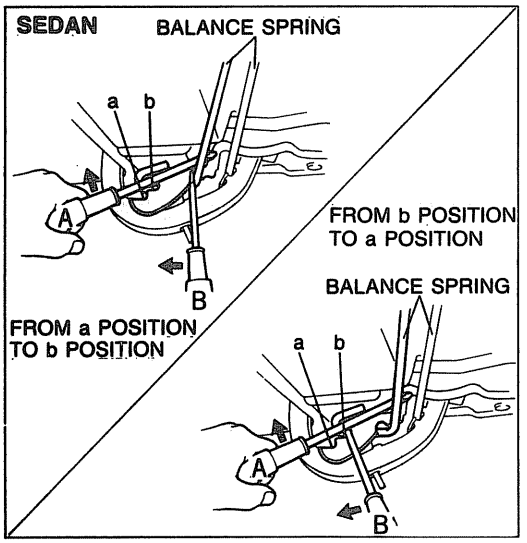
Trunk Lid Striker

1. Loosen the striker mounting bolts.
2. Tighten the bolts after adjusting.

Tightening torque:
7.8—11 N·m (0.8—1.1 m-kg, 5.8—8.0 ft-lb)



96U14X-002



Balance Spring

1. Lift the balance spring with protected screwdriver A.
2. Slide the balance spring to the alternate position as described below with protected screwdriver B.

Tension \ Set position	Hinge	a	b
Standard	Left side	○	
	Right side		○
Increase	Left side		○
	Right side		○
Decrease	Left side	○	
	Right side	○	

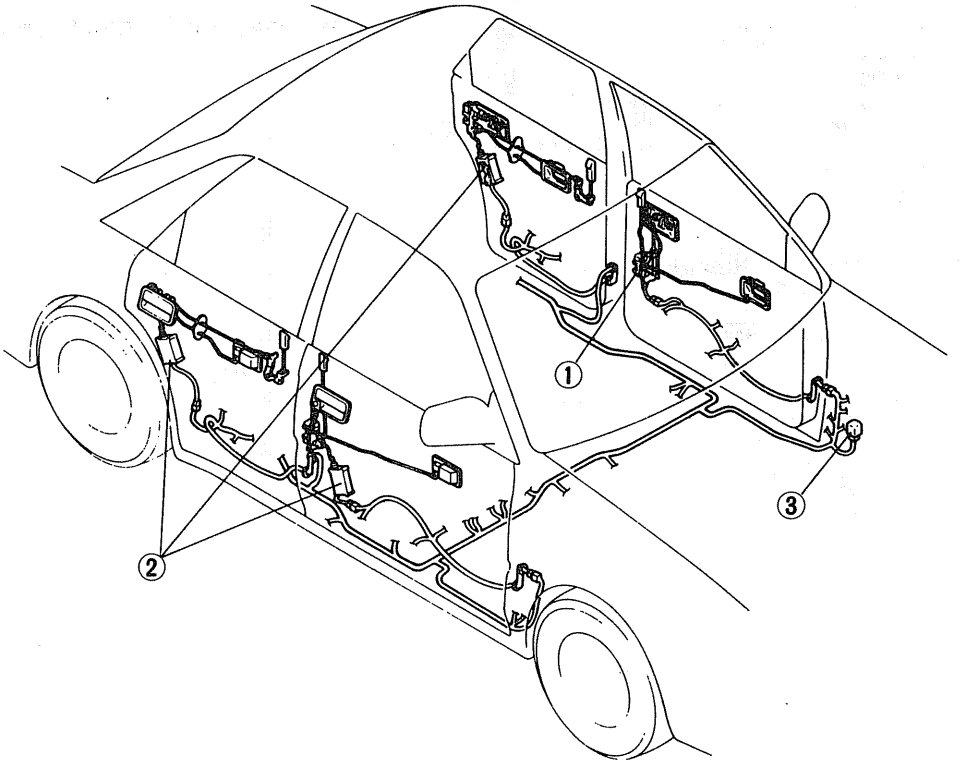
○ : Indicates position

Warning

- **Use care when moving the balance spring.**

POWER DOOR LOCK

STRUCTURAL VIEW

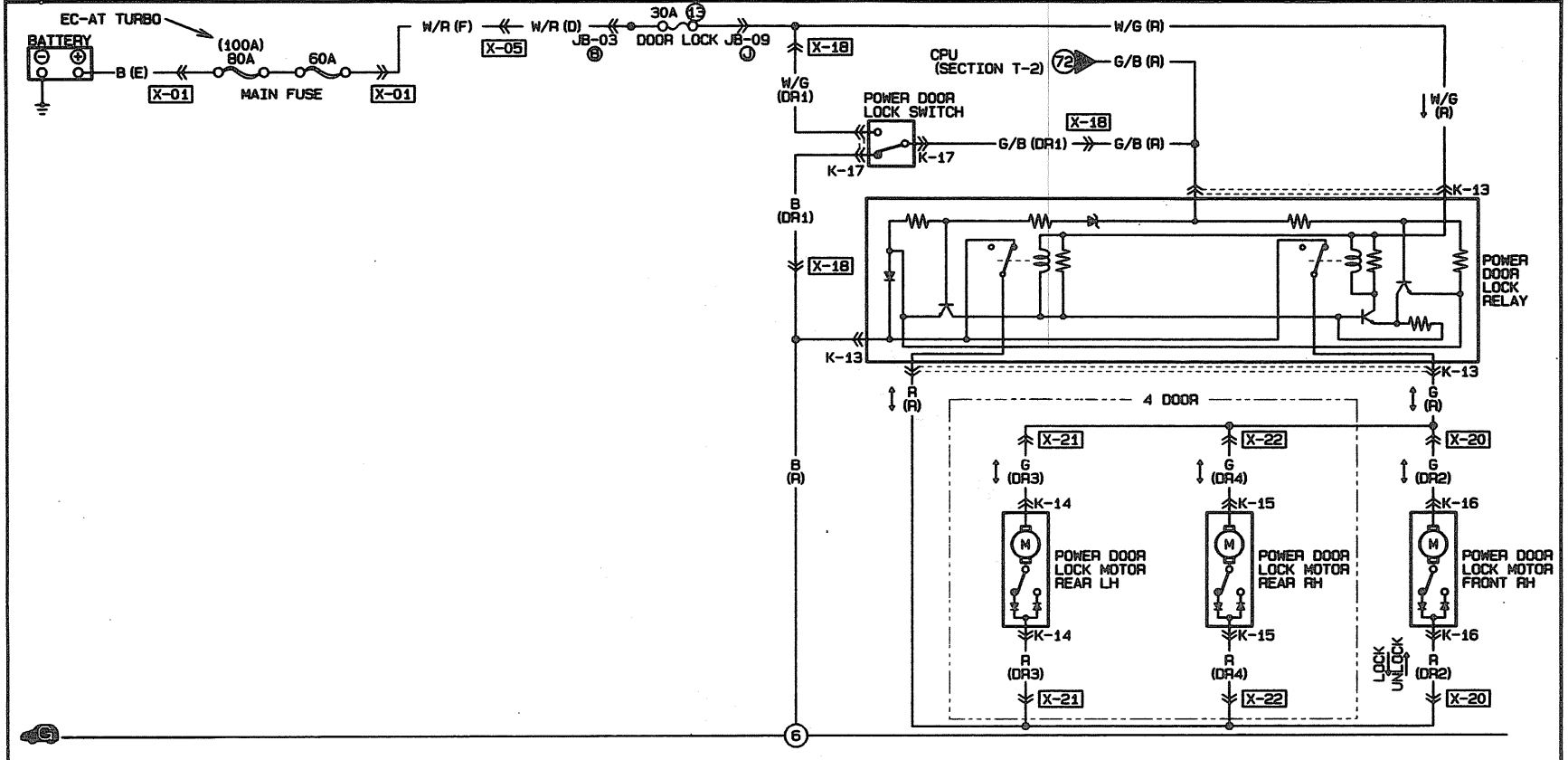


16U0SX-010

1. Power door lock switch
   Inspection ..... page S-28
2. Power door lock motor
   Inspection ..... page S-28
3. Power door lock relay
   Inspection ..... page S-28

■ POWER DOOR LOCKS

K-3



K-13 POWER DOOR LOCK RELAY (A)	K-14 POWER DOOR LOCK MOTOR REAR LH (DR3)	K-15 POWER DOOR LOCK MOTOR REAR RH (DR4)	K-16 POWER DOOR LOCK MOTOR FRONT RH (DR2)		K-17 POWER DOOR LOCK SWITCH (DR1)	
			2 DOOR	4 DOOR		
G / R / W/G G/B / ✳ / B	R G	R G	R G ✳	R G	G/B B W/G	

Power door lock does not operate

Check DOOR LOCK 30A fuse
- NG → Short circuit
- OK ↓

Check the voltage at each terminal of the power door lock relay connector

Terminal	Voltage
W/G	12V
B	0V

- NG → Repair the harness (Fuse box to relay, Relay to ground)
- OK ↓

Check the power door lock switch **(Refer to page S-28)**
- NG → Replace the switch
- OK ↓

Check the voltage at G/B terminal of the power door lock relay

Terminal	Condition	Voltage
G/B	Lock	12V
	Unlock	0V

- NG → Repair the harness (Door lock switch to relay)
- OK ↓

Check the voltage at R and G terminal of the power door lock relay

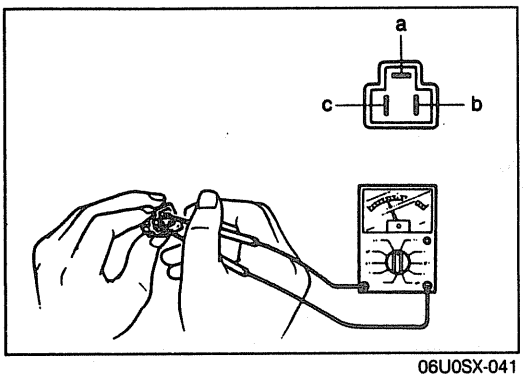
Terminal	Condition	Voltage
R	Lock	0V
	Unlock	12V
G	Lock	12V
	Unlock	0V

- NG → Replace the door lock relay
- OK ↓

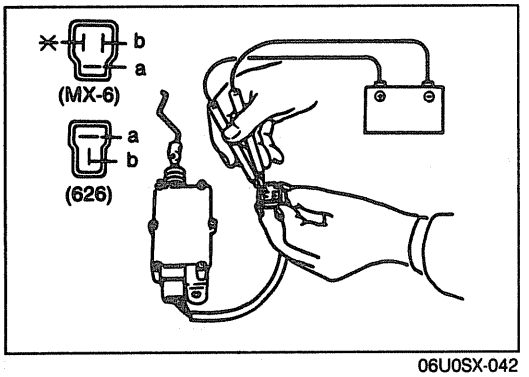
Check the power door lock motor **(Refer to page S-28)**
- NG → Replace the door lock motor
- OK ↓

Repair the harness (Relay to motor)

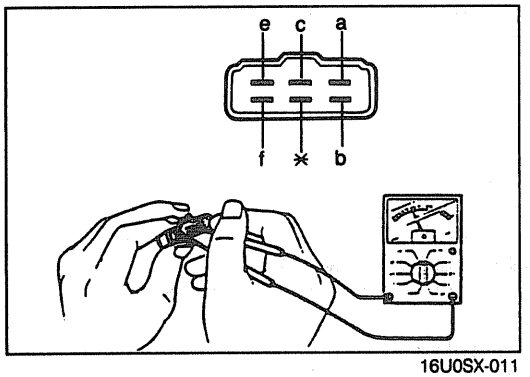
06U0SX-040



06U0SX-041



06U0SX-042



16U0SX-011

POWER DOOR LOCK SWITCH

Inspection

1. Check continuity of the switch with an ohmmeter.

	a	b	c
Lock	O	O	
Unlock	O		O

O——O: Indicates continuity

2. If continuity is not as specified, replace the switch.

POWER DOOR LOCK MOTOR

Inspection

1. Check operation of the door lock actuator when battery voltage is applied to the terminal.

Connecting to		Door lock motor
12V	ground	
b	a	LOCK (Pull)
a	b	UNLOCK (Release)

2. If not as specified, replace the door lock motor.

POWER DOOR LOCK RELAY

Inspection

1. Check continuity between terminals of the door lock relay.

Terminal		Continuity	Terminal		Continuity
+	−		+	−	
a—b		X	b—e		O
a—c		X	b—f		X
a—e		X	c—e		O
a—f		X	c—f		X
b—c		O	e—f		X

O : Indicates continuity X: No continuity

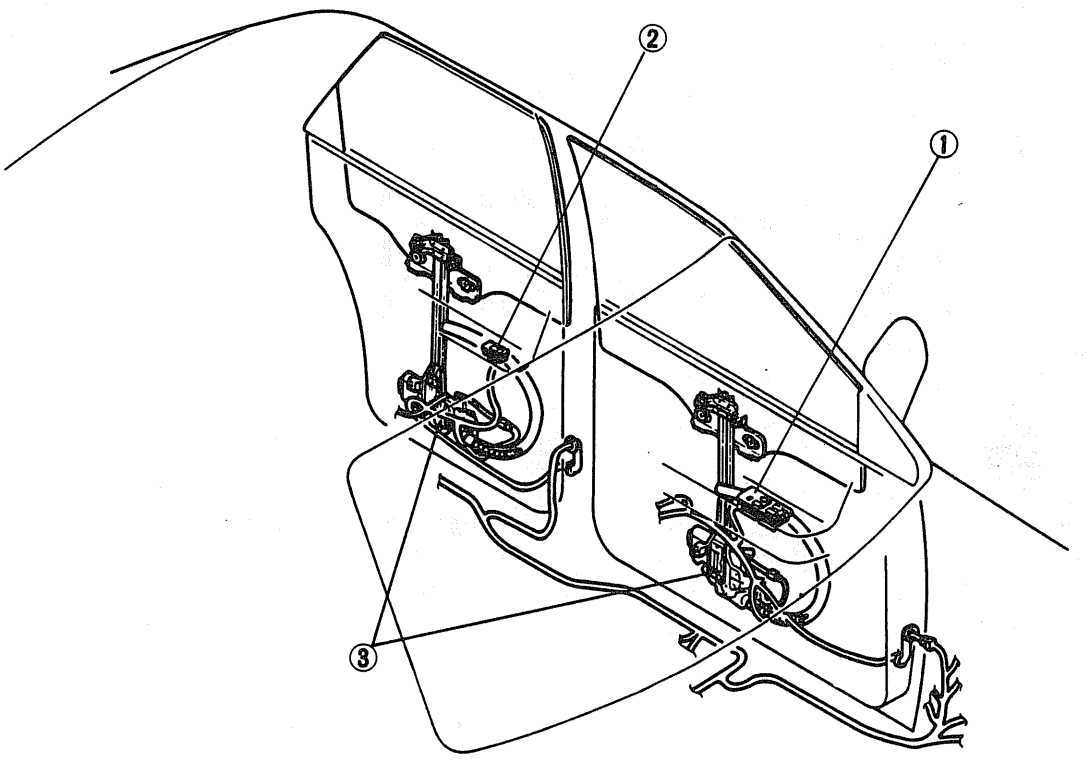
Note

- **Set the tester to x1,000Ω range.**

2. If not as specified, replace the relay.

POWER DOOR LOCK

STRUCTURAL VIEW

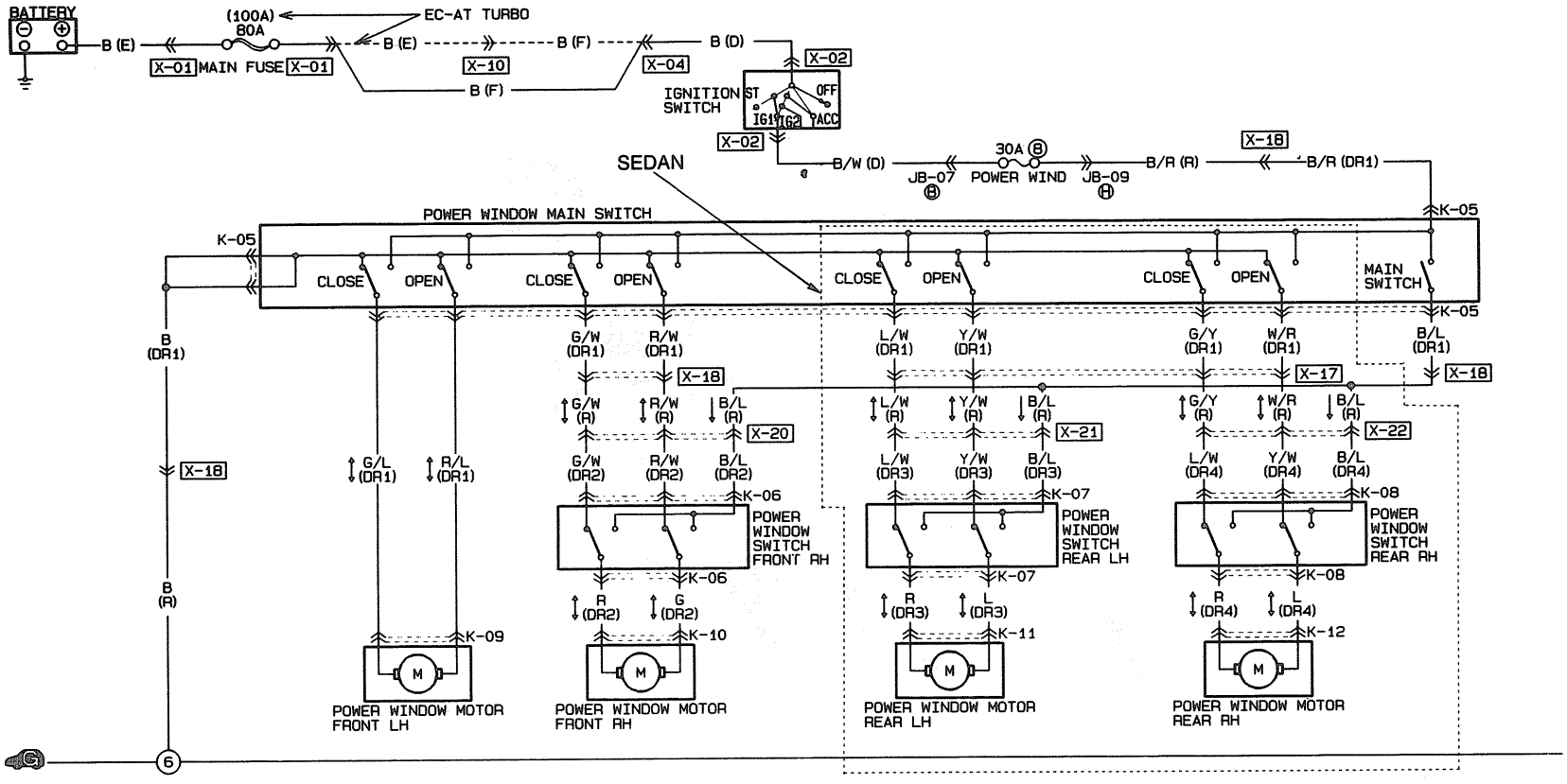


06U0SX-043

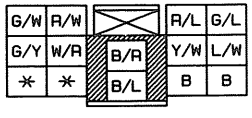
1. Power window main switch
   Inspection ..... page S–34
2. Power window switch
   Inspection ..... page S–35
3. Power window motor
   Inspection ..... page S–35

■ POWER WINDOWS

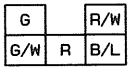
K-2



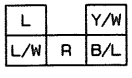
K-05 POWER WINDOW MAIN SWITCH (DR1)



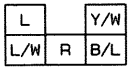
K-06 POWER WINDOW SWITCH FRONT RH (DR2)



K-07 POWER WINDOW SWITCH REAR LH (DR3)



K-08 POWER WINDOW SWITCH REAR RH (DR4)

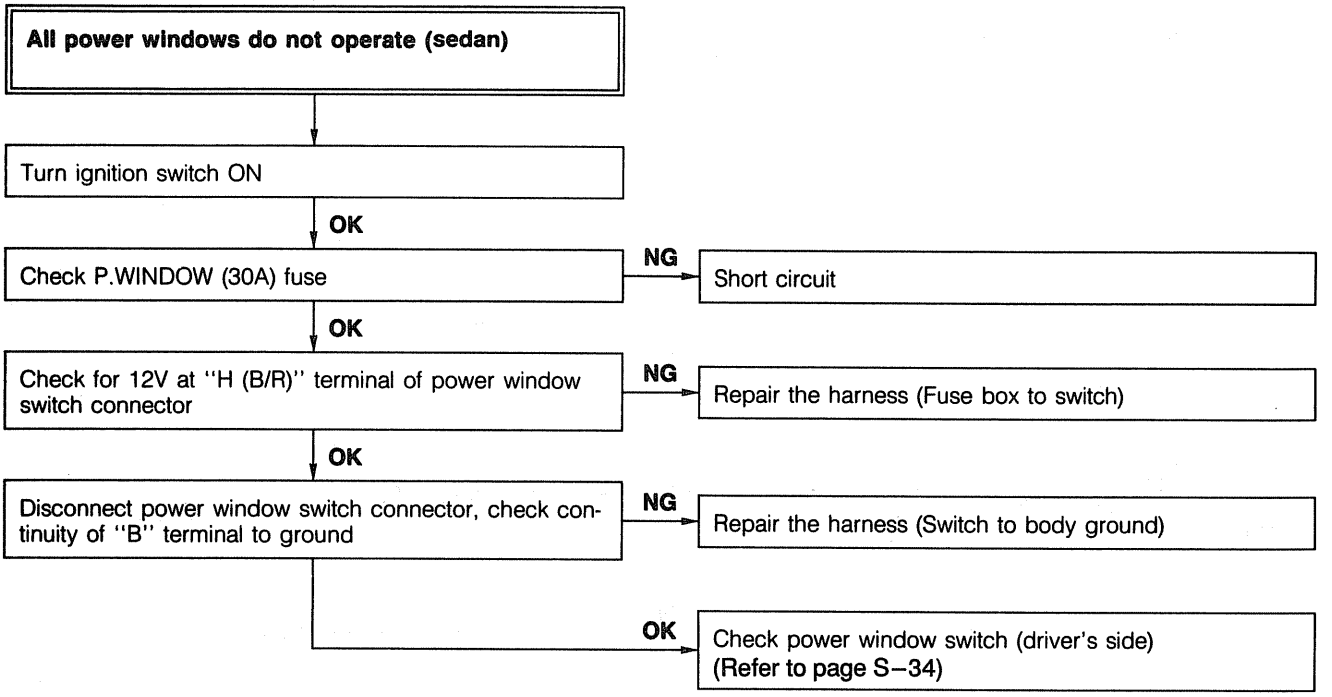


K-09 POWER WINDOW MOTOR FRONT LH (DR1)

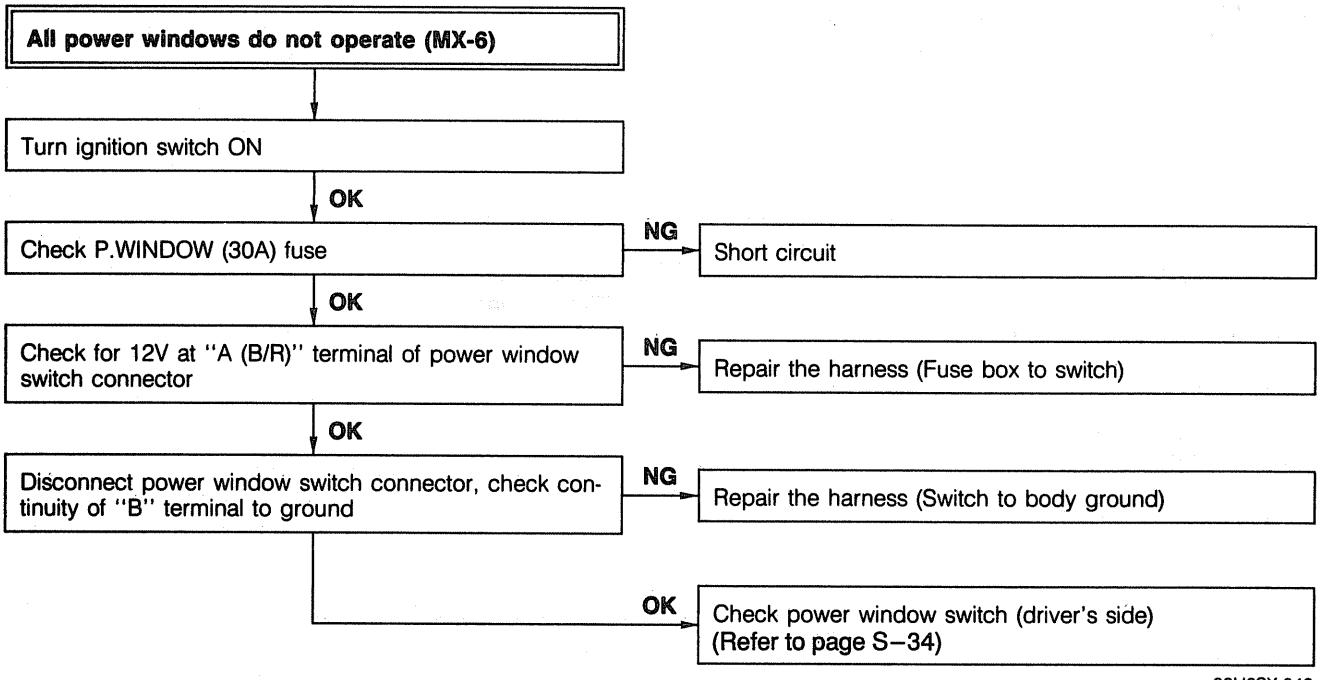
K-10 POWER WINDOW MOTOR FRONT RH (DR2)

K-11 POWER WINDOW MOTOR REAR LH (DR3)

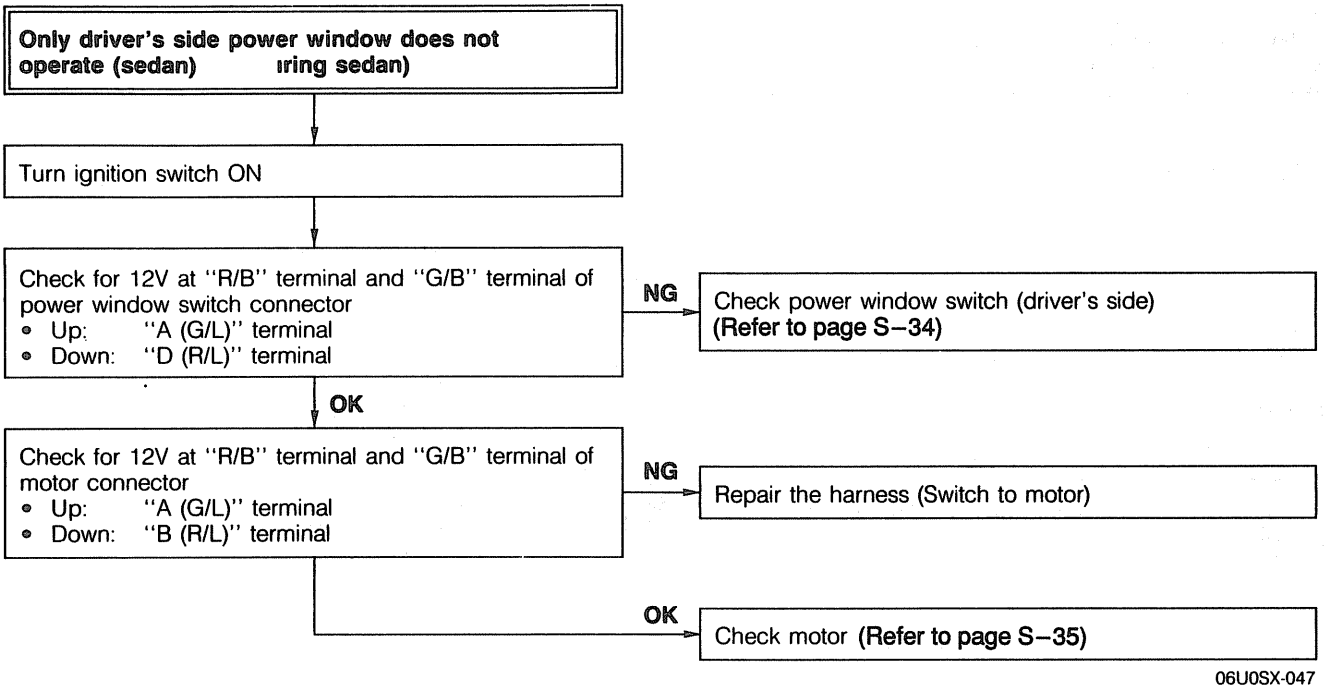
K-12 POWER WINDOW MOTOR REAR RH (DR4)



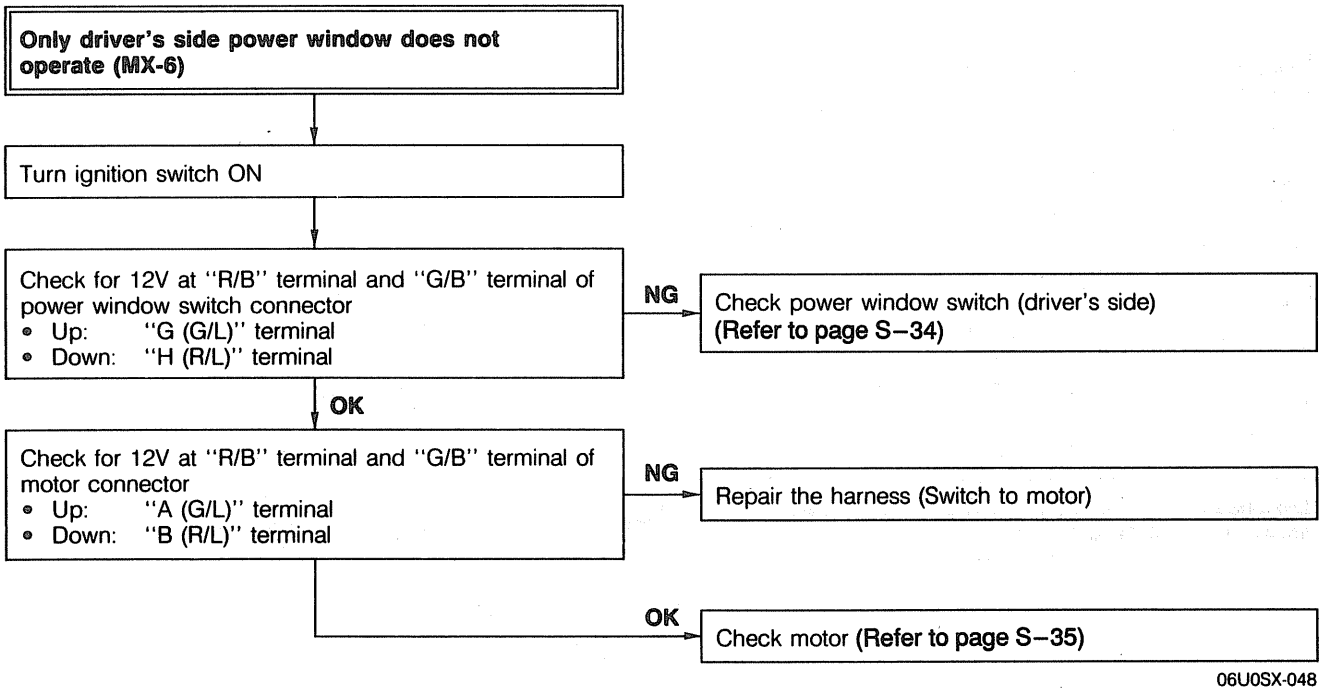
06U0SX-045



06U0SX-046



06U0SX-047



06U0SX-048

Power windows (except driver's side) cannot be operated by main switch

Turn ignition switch ON

Note
- **Use only the main switch during the checking operation.**

Check for 12V at terminal of power window switch connector while operating main switch (driver's side)

Door	Operation	Wire
Passenger side	Up	"G/W"
	Down	"R/W"
Rear left side (except MX-6)	Up	"L/W"
	Down	"Y/W"
Rear right side (except MX-6)	Up	"G/Y"
	Down	"W/R"

NG → Check power window switch (driver's side) **(Refer to page S–34)**

OK

Check for 12V at terminal to each door power window switch connector (5-pin) while operating main switch (driver's side)

Door	Operation	Wire
Passenger side	Up	"G/W"
	Down	"R/W"
Rear left side (except MX-6)	Up	"L/W"
	Down	"Y/W"
Rear right side (except MX-6)	Up	"L/W"
	Down	"Y/W"

NG → Repair harness (Main switch—Switch on each door)

OK

Check for 12V at "R" terminal and "G" terminal of each door switch connector (5-pin) while operating main switch (driver's side)
- Up: "R" terminal
- Down: "G" terminal

NG → Check switch on each door **(Refer to page S–35)**

OK

Check for 12V at "R" terminal and "G" terminal of each motor connector (2-pin) while operating main switch (driver's side)
- Up: "R" terminal
- Down: "G" terminal

NG → Repair harness (Switch on each door—Motor)

OK → Check motor **(Refer to page S–35)**

06U0SX-049

Main switch operates, but switch at door does not operate power window

Turn ignition switch ON
Turn main switch of power window switch (driver's side) to ON

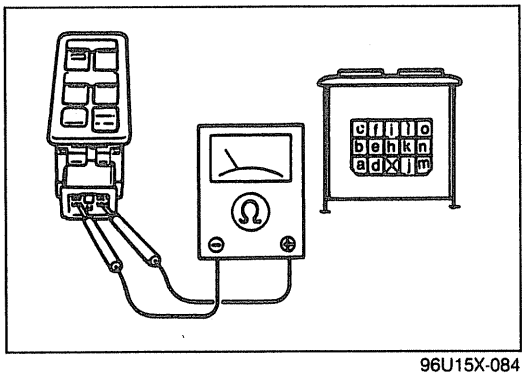
Check for 12V at "B/L" terminal of power window switch connector
NG → Check main switch of power window switch **(Refer to page S–34)**

OK

Check for 12V at "B/R" terminal of switch connector (right front), and "B/L" terminal at switch connector (rear)
NG → Repair the harness (Main switch of power window switch (driver's side) to power window switch (passenger's side))

OK → Check power window switch on each door **(Refer to page S–35)**

06U0SX-050



96U15X-084

INSPECTION

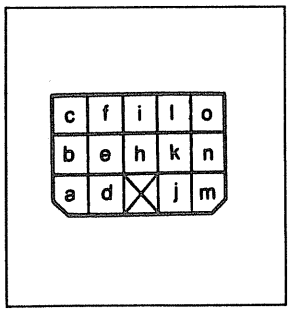
Driver's Side Power Window Switch (Sedan)

Check for continuity between terminals of the switch.

Main switch

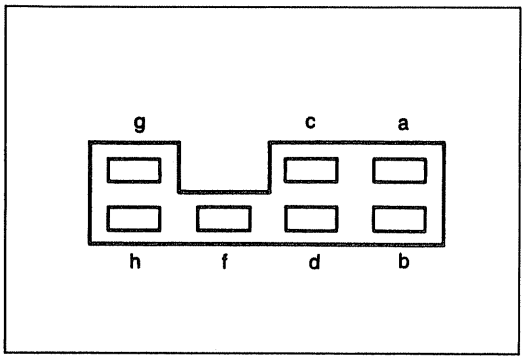
Position \ Terminal	h	i
Lock		
Unlock	○—○	○—○

○—○: Indicates continuity

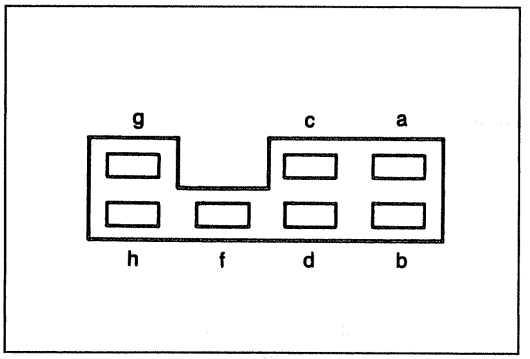


Switch	Driver's side				Passenger's side				Rear left				Rear right			
Position \ Terminal	h	f	d	a	h	f	m	j	h	f	e	b	h	f	n	k
UP	○			○	○		○		○			○	○		○	
		○	○			○		○		○	○			○		○
OFF		○		○		○	○			○		○		○	○	
		○	○			○		○		○	○			○		○
DOWN	○		○		○			○	○		○		○			○
		○		○		○	○			○		○		○	○	

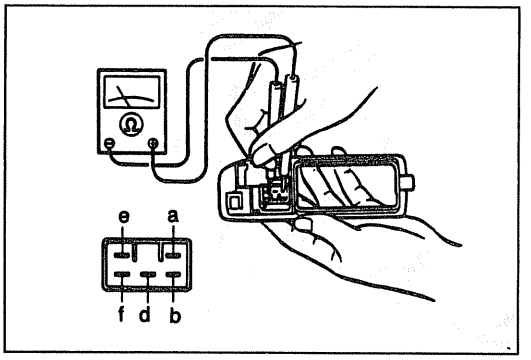
○—○: Indicates continuity



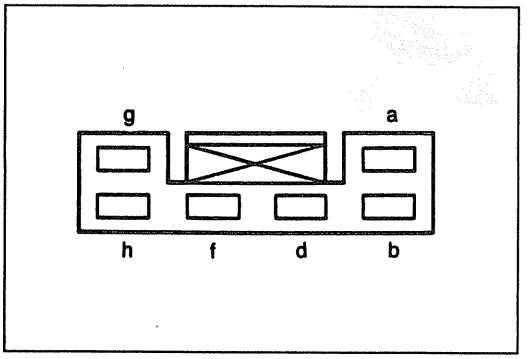
96U15X-085



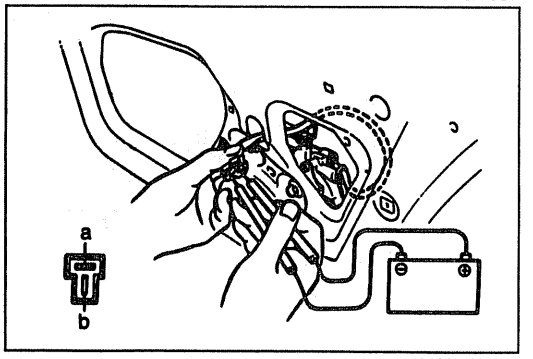
86U15X-118



96U15X-086



96U15X-087



86U15X-121

(MX-6)
Check for continuity between terminals of the switch.

Main switch

Position \ Terminal	a	c
Lock		
Unlock	○——○	○——○

○——○: Indicates continuity

Switch	Driver's side				Passenger's side			
Position \ Terminal	a	b	h	g	a	b	d	f
UP	○——○	○——○		○——○	○——○	○——○		○——○
OFF		○——○	○——○	○——○		○——○	○——○	○——○
DOWN	○——○	○——○		○——○	○——○		○——○	○——○

○——○: Indicates continuity

Switch on Each Side
(Sedan)
Check for continuity between terminals of the switch.

Position \ Terminal	a	b	d	e	f
UP	○——○	○——○	○——○	○——○	
OFF	○——○		○——○	○——○	○——○
DOWN		○——○	○——○	○——○	○——○

○——○: Indicates continuity

(MX-6)
Check for continuity between terminals of the switch.

Position \ Terminal	a	b	d	f	h
UP	○——○	○——○	○——○	○——○	
OFF	○——○		○——○	○——○	○——○
DOWN		○——○	○——○	○——○	○——○

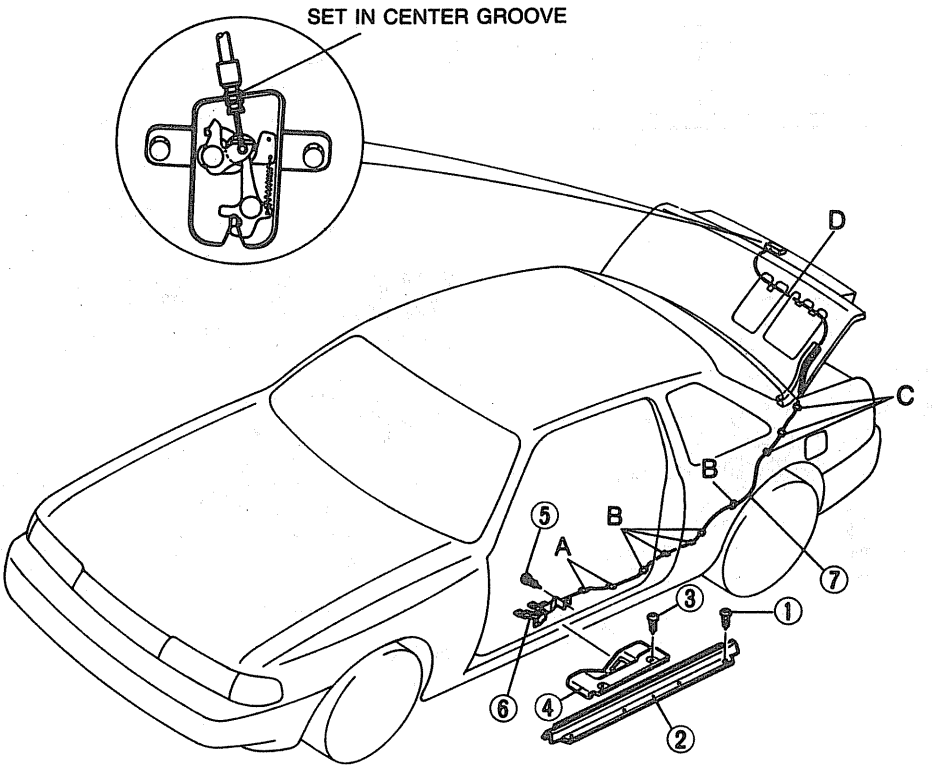
○——○: Indicates continuity

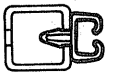
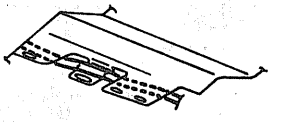
Power Window Motor
1. Connect 12V to the "a" terminal and ground the "b" terminal of the motor connector, and check that the motor operates.
2. Reverse the above connections and check for reverse operation of the motor.

TRUNK-LID LOCK REMOTE RELEASE

REMOVAL / INSTALLATION

1. Remove in the sequence shown in the figure.
2. Install in the reverse order of removal.



A	B	C	D
			

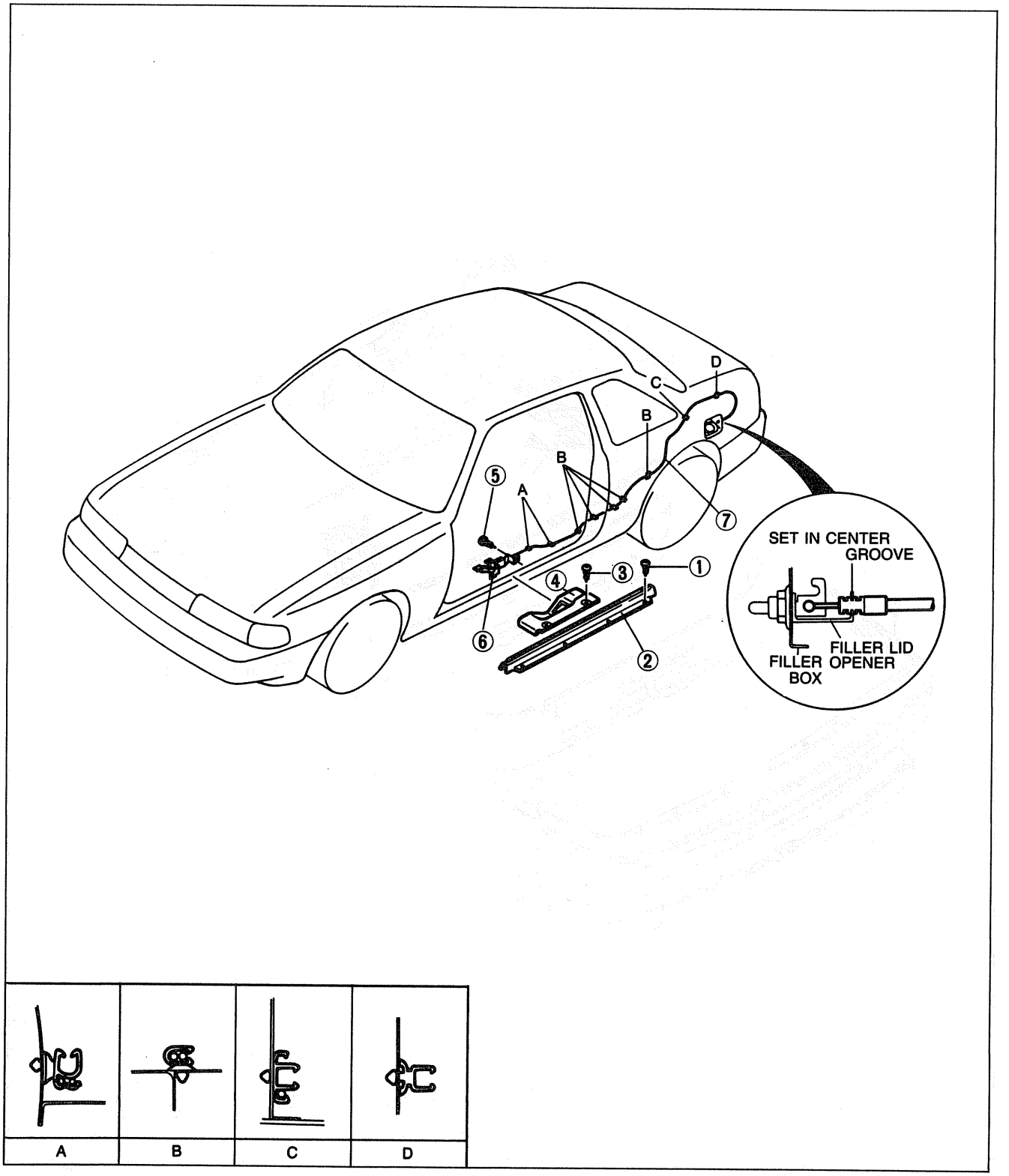
86U14X-108

1. Screws
2. Scuff plate
3. Screws
4. Cover
5. Bolts
6. Release lever
7. Release wire

FUEL FILLER LID REMOTE RELEASE

REMOVAL / INSTALLATION

1. Remove in the sequence shown in the figure.
2. Install in the reverse order of removal.

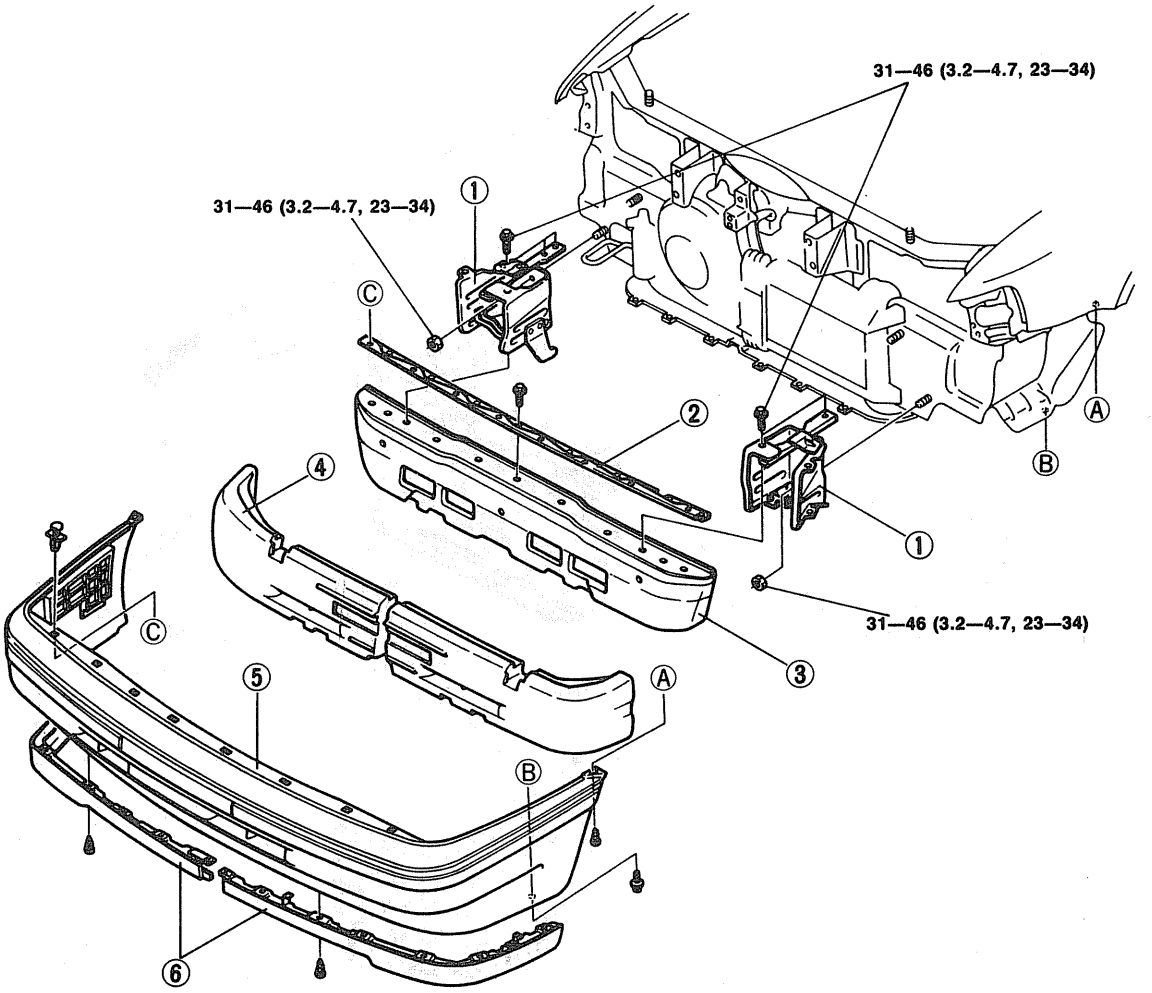


86U14X-109

1. Screws
2. Scuff plate
3. Screws
4. Cover
5. Bolts
6. Release lever
7. Release wire

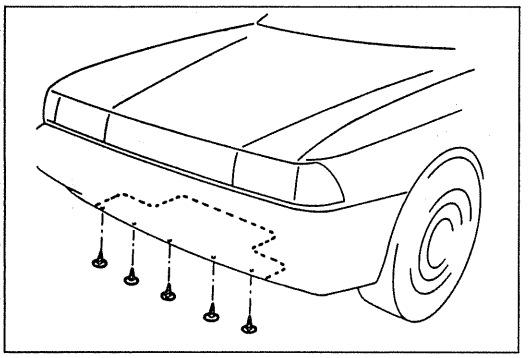
FRONT BUMPER

STRUCTURAL VIEW

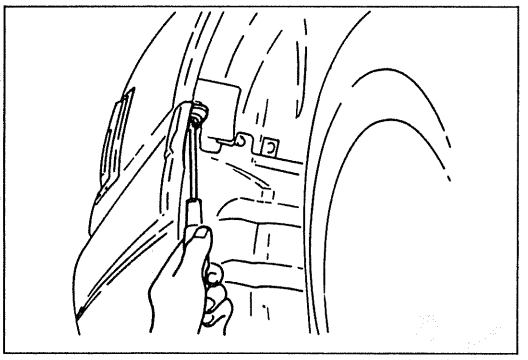


86U14X-056

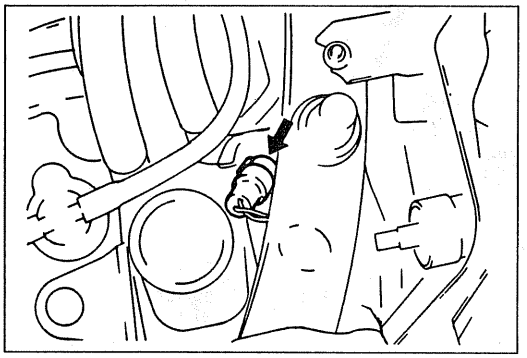
1. Bumper stay
2. Set plate
3. Reinforcement
4. Energy absorbing foam
5. Bumper
6. Front airdam skirt



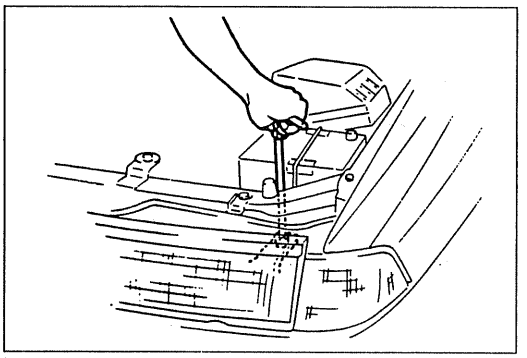
86U14X-057



86U14X-058



69G14X-099



86U14X-059

REMOVAL

1. Remove the under cover mounting screws.
2. Remove the bumper mounting screws.
3. Disconnect the side turn signal light connector.
4. Remove the front side bumper stay mounting bolts and loosen the rear side bolts.

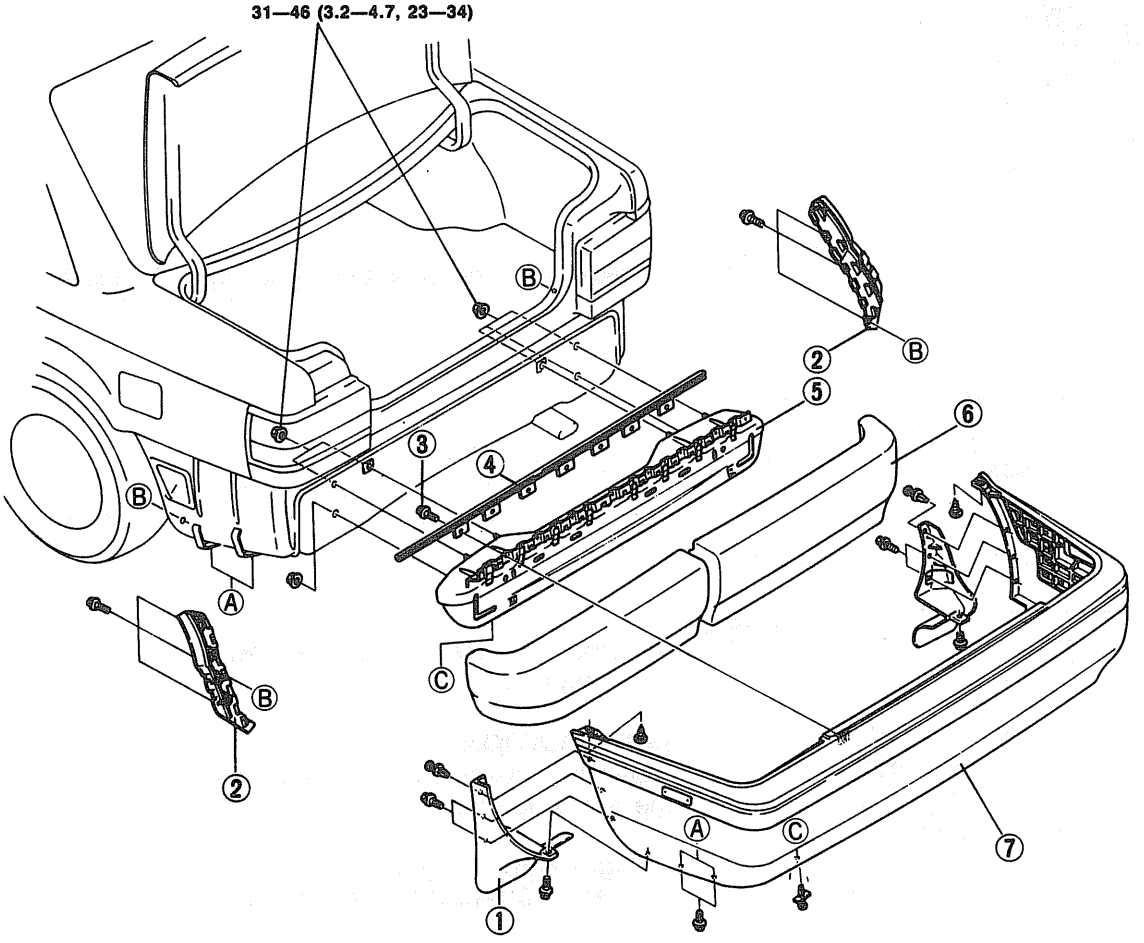
INSTALLATION

Install the front side bumper stay mounting bolts and tighten the rear side bolts.

Tightening torque:
31—46 N·m (3.2—4.7 m-kg, 23—34 ft-lb)

REAR BUMPER

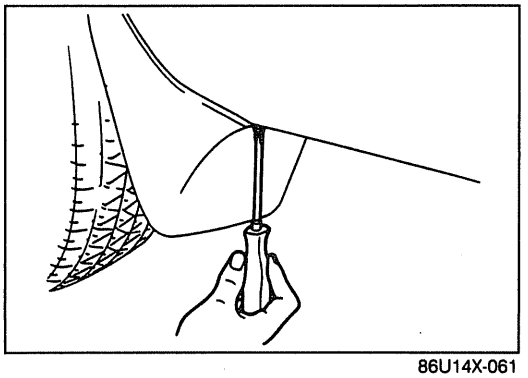
STRUCTURAL VIEW



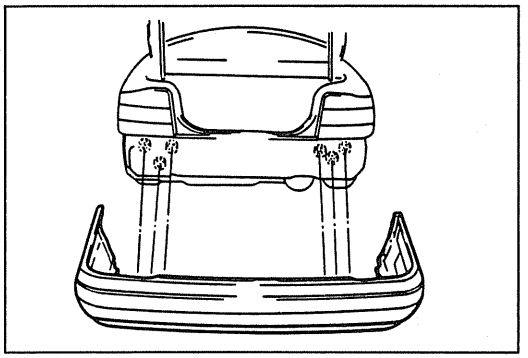
N·m (m-kg, ft-lb)

86U14X-060

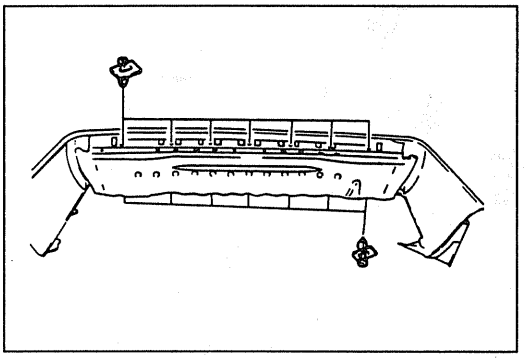
1. Flap
2. Splash shield
3. Bolts
4. Set plate
5. Reinforcement
6. Energy absorbing foam
7. Bumper



86U14X-061



86U14X-062



86U14X-063

REMOVAL

1. Remove the screws shown in the figure.
2. Remove the bumper mounting nuts.
3. Remove the nuts and fasteners shown in the figure and remove the reinforcement from the bumper.

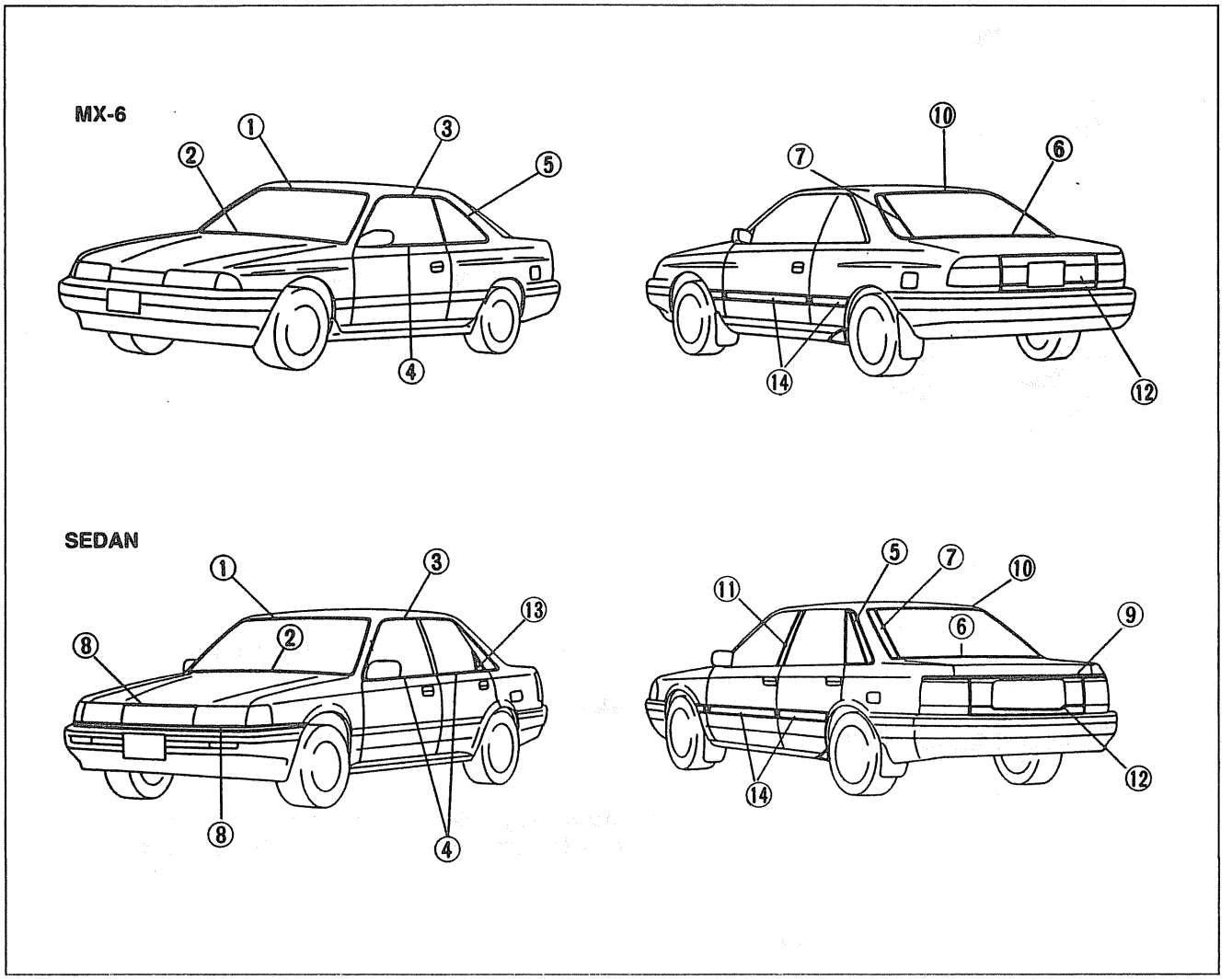
INSTALLATION

Install in the reverse order of removal.

Tightening torque:
Bumper stay installation nuts:
31—46 N·m (3.2—4.7 m-kg, 23—34 ft-lb)

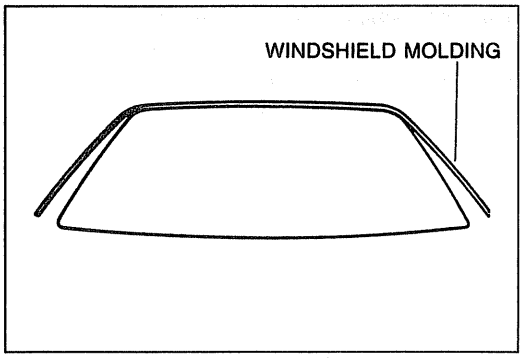
MOLDING AND GARNISH

STRUCTURAL VIEW



06U0SX-054

1. Windshield molding
   Removal / Installation ..... page S–43
2. Windshield lower molding
   Removal / Installation ..... page S–43
3. Drip molding
   Removal / Installation ..... page S–43
4. Beltline molding
   Removal / Installation ..... page S–43
5. Quarter window molding
   Removal / Installation ..... page S–44
6. Back window lower molding (Sedan and MX-6)
   Removal / Installation ..... page S–44
7. Back window side molding (Sedan and MX-6)
   Removal / Installation ..... page S–43
8. Front lower molding
   Removal / Installation ..... page S–45
9. Trunk lid molding
   Removal / Installation ..... page S–44
10. Back window upper molding (Sedan and MX-6)
    Removal / Installation ..... page S–44
11. Center pillar garnish
    Removal / Installation ..... page S–45
12. Rear finisher
    Removal / Installation ..... page S–45
13. Sail garnish
    Removal / Installation ..... page S–45
14. Side protector molding
    Structural view.. page S–46
    Removal ..... page S–46
    Installation ..... page S–46

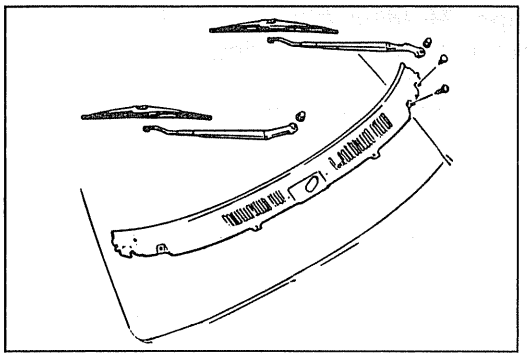


06U0SX-059

REMOVAL/INSTALLATION

Windshield Molding

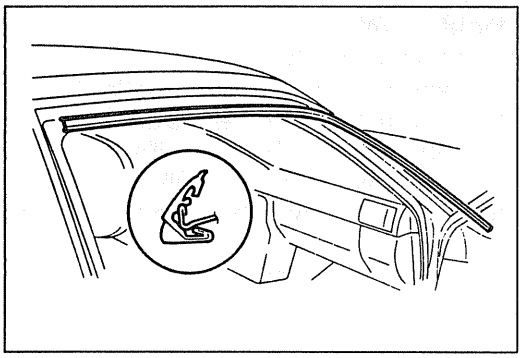
1. Remove the windshield molding. (Refer to page S–60.)
2. Install the windshield molding. (Refer to page S–62.)



06U0SX-060

Windshield Lower Molding

1. Remove the wiper arms.
2. Remove the lower molding screws and remove the lower molding.
3. Install in the reverse order of removal.



06U0SX-061

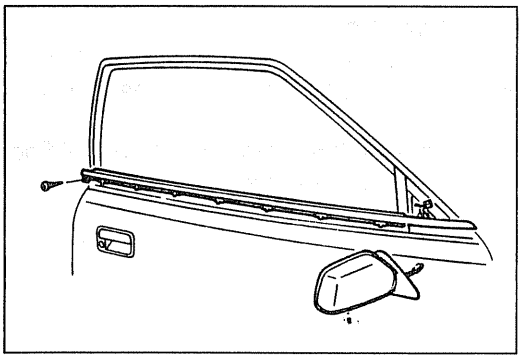
Drip Molding

1. Insert a screwdriver between the roof rail and drip molding and slightly loosen the end of the molding.

Note

- **Be careful not to scratch the molding.**

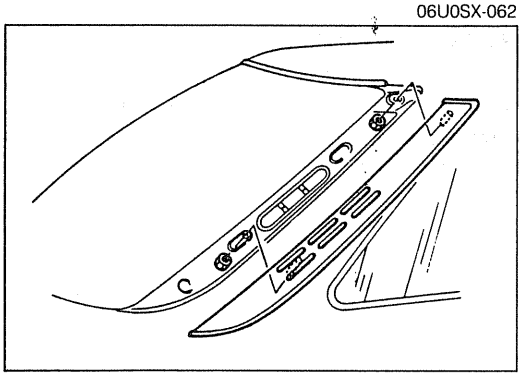
2. Remove the molding by twisting upward with both hands.
3. Install in the reverse order of removal.



06U0SX-062

Beltline Molding

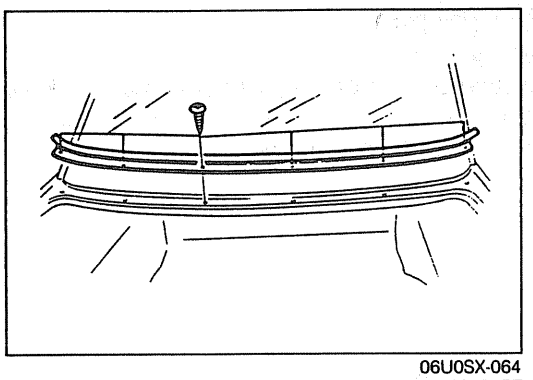
1. Remove the door mirror.
2. Remove the screw from the end of the beltline molding, then pull the molding up to remove it.
3. Install in the reverse order of removal.



06U0SX-063

Back Window Side Molding (Sedan)

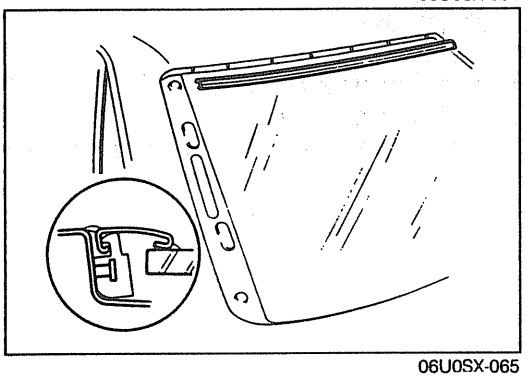
1. Remove the rear side seat back bolt, then remove the rear side seat back.
2. Remove the rear pillar trim.
3. Remove the window side molding nuts, then remove the window side molding.
4. Install in the reverse order of removal.



06U0SX-064

Back Window Lower Molding (Sedan and MX-6)

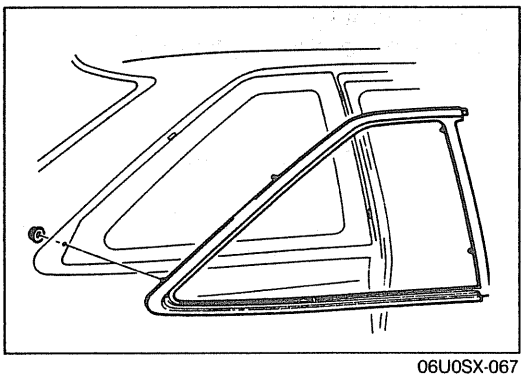
1. Remove the back window lower molding screws, then remove the back window lower molding.
2. Install in the reverse order of removal.



06U0SX-065

Back Window Upper Molding (Sedan and MX-6)

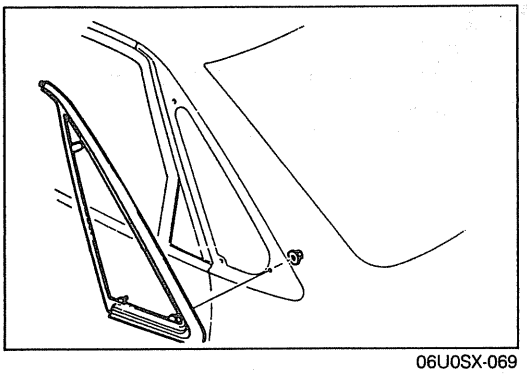
1. Remove the back window side molding. (Refer to pages S–43, 44.)
2. Remove the back window upper molding.
3. Install in the reverse order of removal.



06U0SX-067

Quarter Window Molding (MX-6)

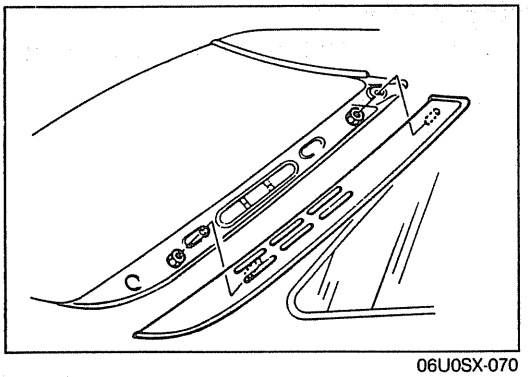
1. Remove the seat belt upper anchor bolts.
2. Remove the screws and remove the rear header trim.
3. Remove the screws and remove the rear side trim.
4. Remove the screws and remove the rear pillar trim.
5. Remove the quarter window molding installation nuts.
6. Remove the screws and remove the quarter window molding.
7. Install in the reverse order of removal.



06U0SX-069

Quarter Window Molding (Sedan)

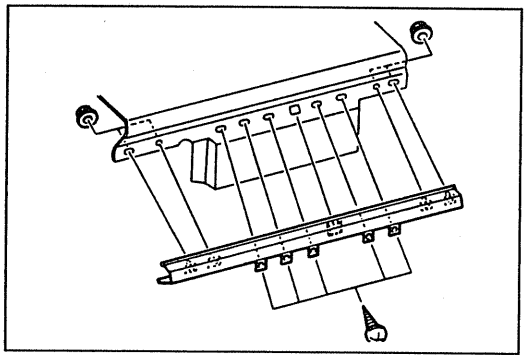
1. Remove the screws and remove the rear header trim.
2. Remove the bolt and remove the rear side seat back.
3. Remove the rear pillar trim.
4. Remove the nuts and remove the quarter window molding.
5. Install in the reverse order of removal.



06U0SX-070

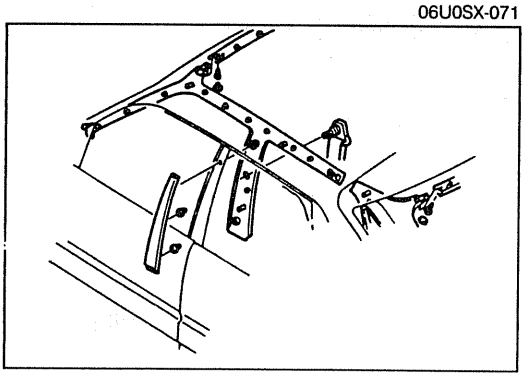
Back Window Side Molding (MX-6)

1. Remove the seat belt upper anchor bolts.
2. Remove the screws and remove the rear header trim.
3. Remove the screws and remove the rear side trim.
4. Remove the screws and remove the rear pillar trim.
5. Remove the nuts and remove the back window side molding.
6. Install in the reverse order of removal.



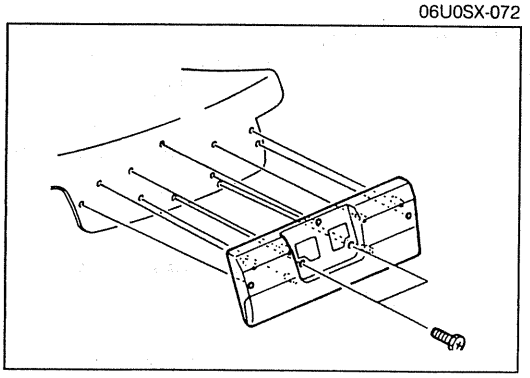
06U0SX-071

Trunk Lid Molding (Sedan)
1. Remove the rear finisher.
2. Remove the nuts and screws and remove the trunk lid molding.
3. Install in the reverse order of removal.



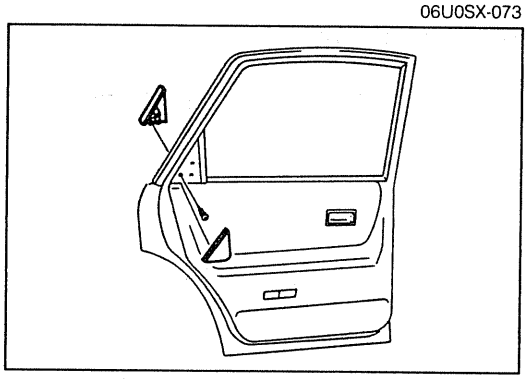
06U0SX-072

Center Pillar Garnish (Sedan)
1. Remove the seat belts.
2. Remove the front and rear header trims.
3. Remove the front and rear pillar trims.
4. Remove the nuts with a deep socket wrench, then remove the garnish.
5. Install in the reverse order of removal.



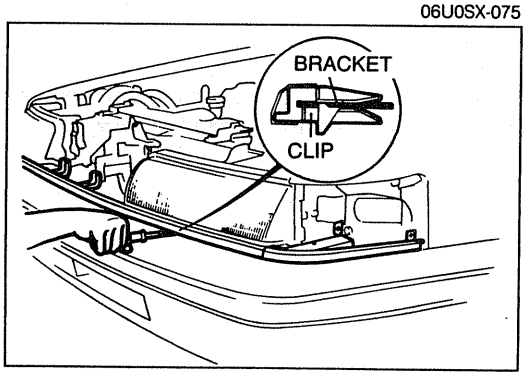
06U0SX-073

Rear Finisher (MX-6 and Sedan)
1. Remove the nuts and remove the rear finisher.
2. Install in the reverse order of removal.



06U0SX-075

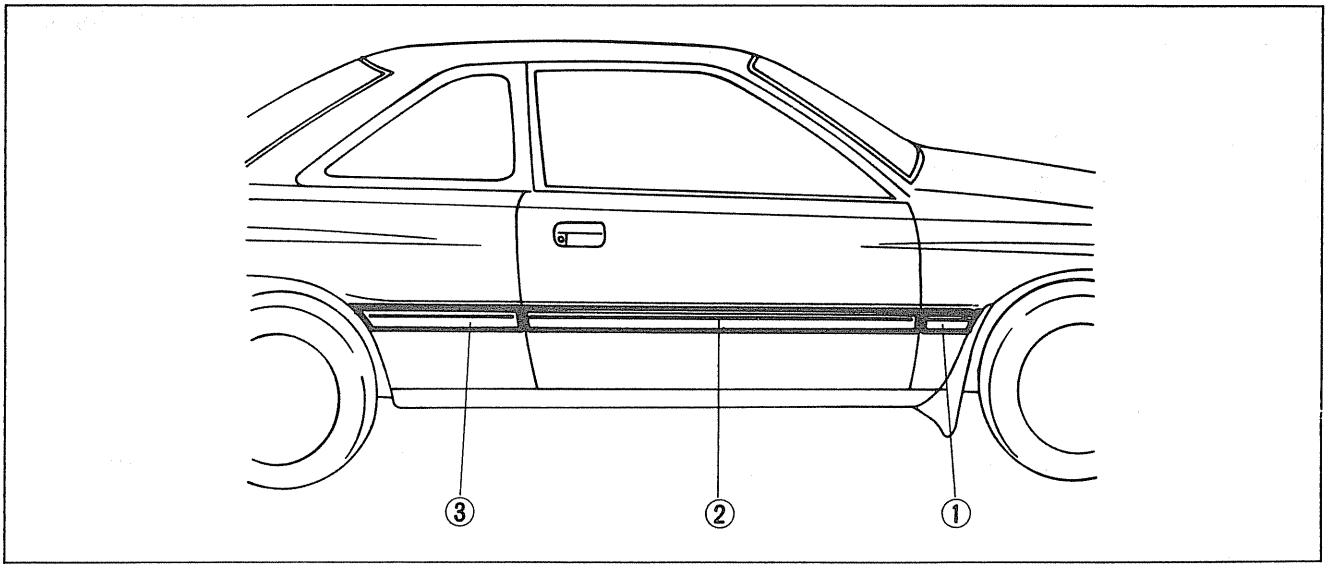
Sail Garnish (Sedan)
1. Remove the sail inner garnish.
2. Remove the screws and remove the sail garnish.
3. Install in the reverse order of removal.



06U0SX-076

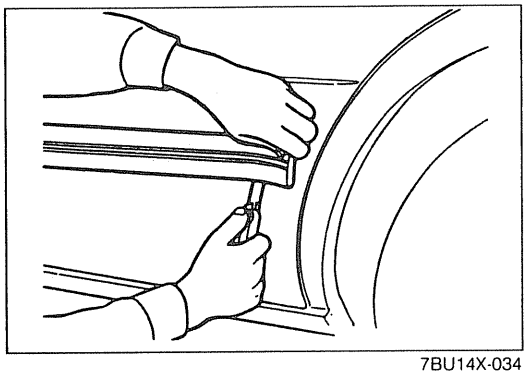
Front Lower Molding (Sedan)
1. Remove the front lower molding screws, and remove the front lower molding.
2. Install in the reverse order of removal.

SIDE PROTECTOR MOLDING
Structural View

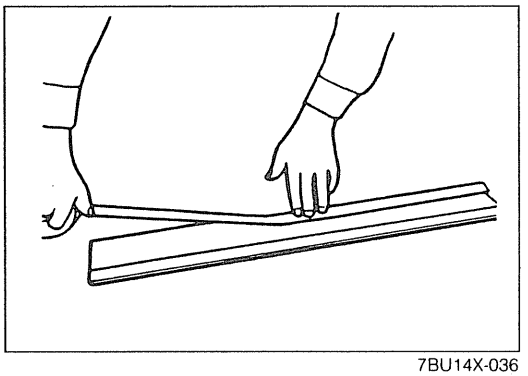


86U14X-102

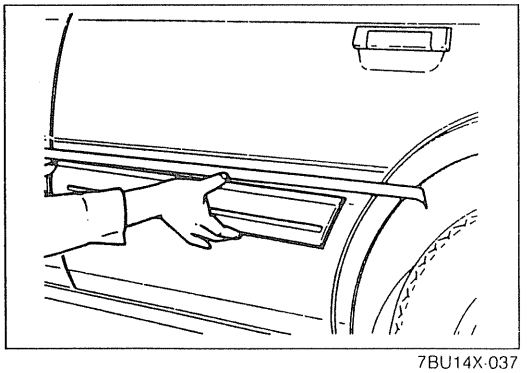
1. Side protector A molding
2. Side protector B molding
3. Side protector C molding



7BU14X-034



7BU14X-036



7BU14X-037

Removal

1. Using a screwdriver or knife, twist the molding end, being careful not to damage the painted surface, and separate the adhesive for **20—30mm (0.79—1.18 in)**.
2. Pull the separated portion to remove it.
3. Use a knife to remove any adhesive remaining on the body or molding.

Note

- **Remove as much adhesive as possible without damaging the painted surface.**

Installation

1. Remove any grease or dirt from the molding adhesion surface and the body surface.
2. Mark the installation position on the body with masking tape.
3. Attach double-sided adhesive tape to the molding adhesion surface.
4. Align the molding on the body, and attach it securely.

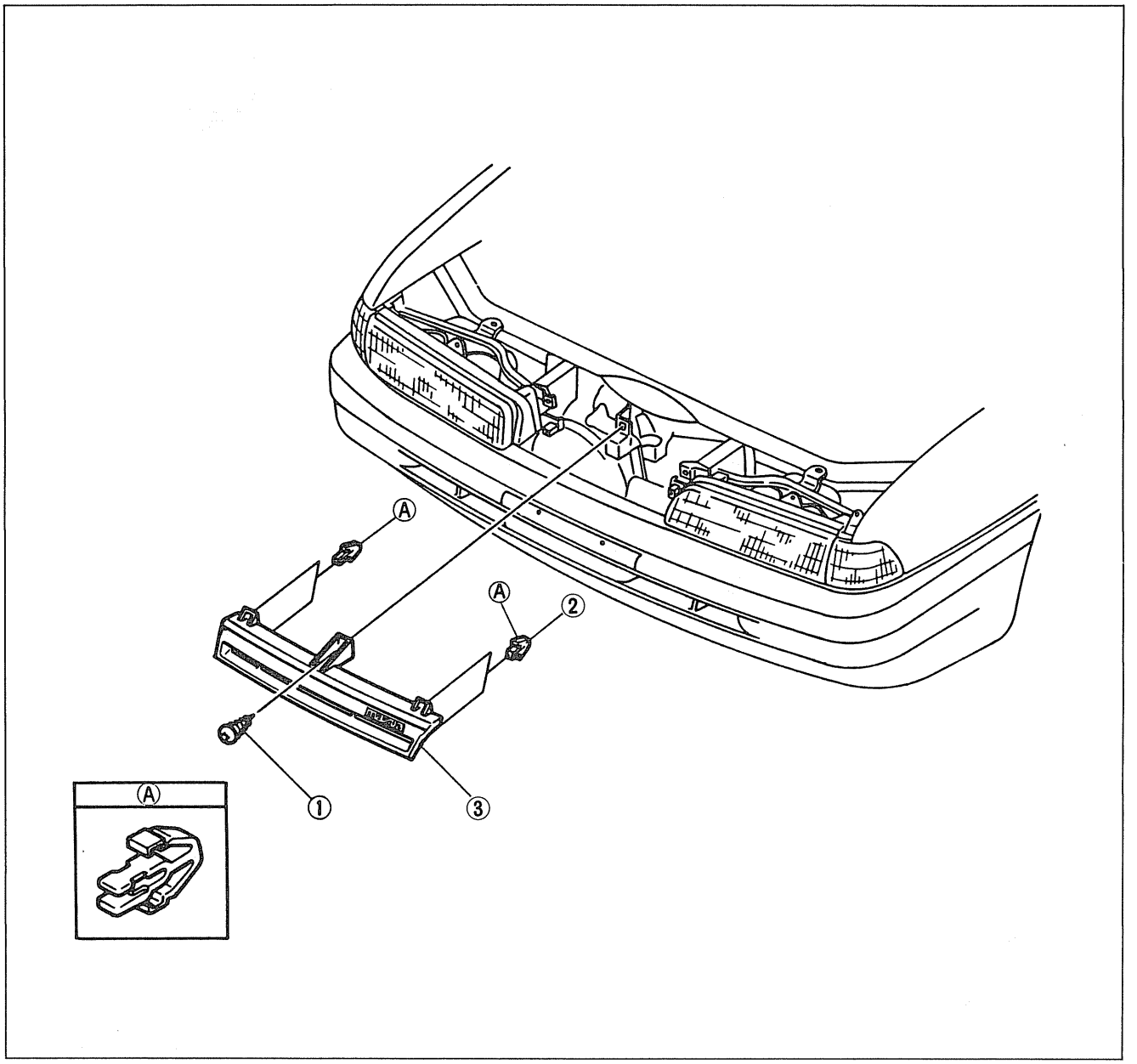
Note

- **Adhesion conditions deteriorate if air temperature is 20°C (68°F) or less; heating of the body is thus recommended.**

RADIATOR GRILLE

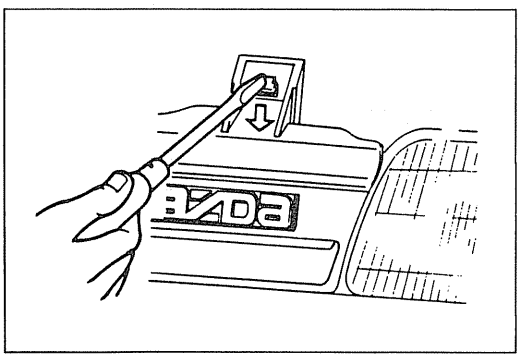
REMOVAL / INSTALLATION

1. Remove in the sequence shown in the figure, referring to removal note for the specially marked parts.
2. Install in the reverse order of removal, referring to installation note for the specially marked parts.



86U14X-065

1. Screw
2. Fasteners
3. Radiator grille



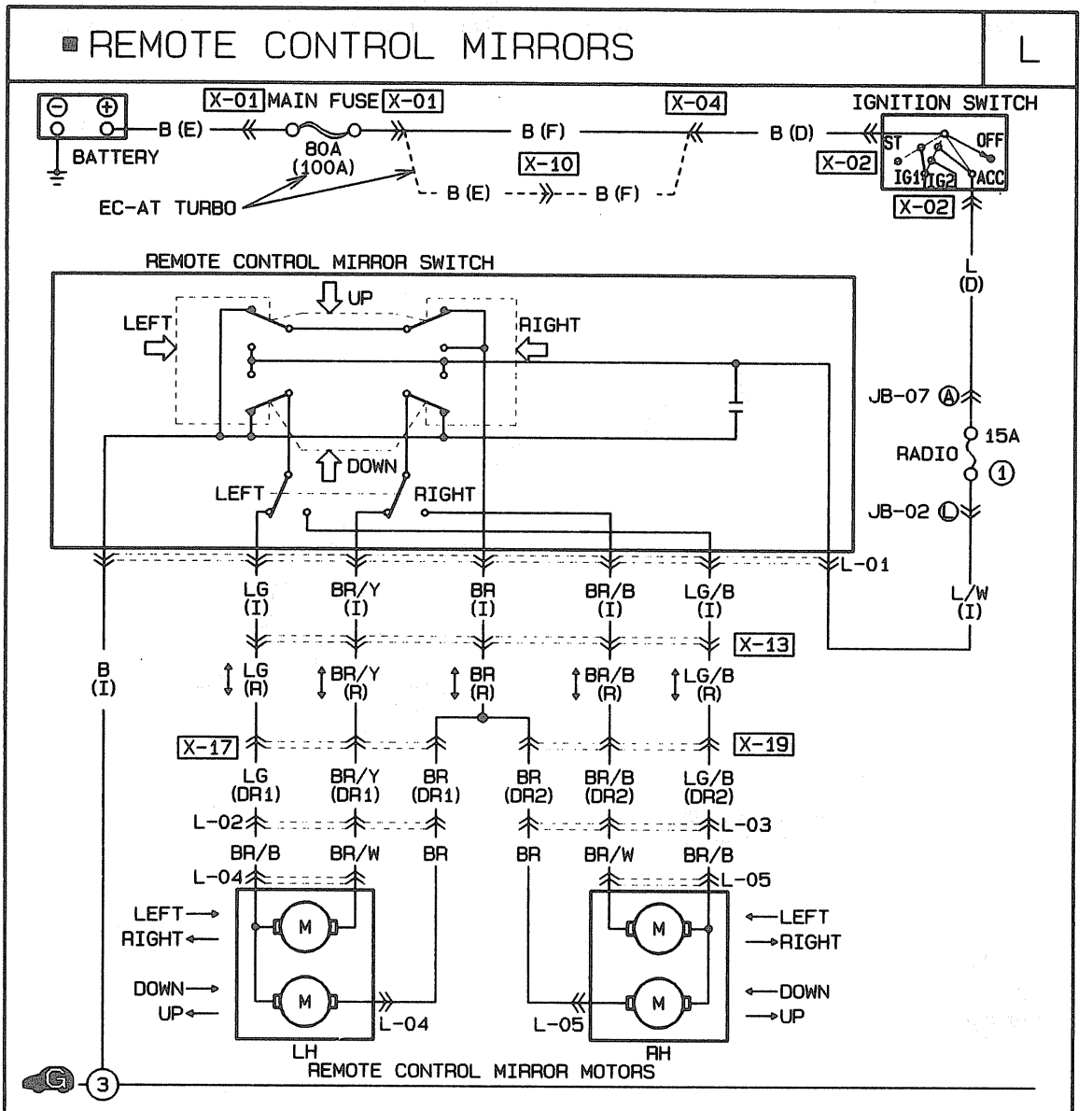
86U14X-066

Removal Note
Fasteners
Push the tabs of the fasteners (5) with a small screwdriver.

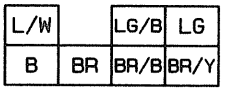
Installation Note
Insert the fasteners into the grille, then align with the installation holes in the body and press in the grille.

DOOR MIRROR

TROUBLESHOOTING



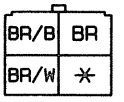
L-01 REMOTE CONTROL MIRROR SWITCH (I)



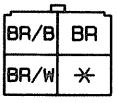
L-02 CONNECTOR BETWEEN DOOR NO.1 (DR1) & REMOTE CONTROL MIRROR MOTOR

L-03 CONNECTOR BETWEEN DOOR NO.2 (DR2) & REMOTE CONTROL MIRROR MOTOR

L-04 REMOTE CONTROL MIRROR MOTOR LH



L-05 REMOTE CONTROL MIRROR MOTOR RH



Remote control mirrors do not operate

Check the voltage between each terminal of the remote control mirror switch connector and a body ground with ignition switch in ACC

Terminal	Voltage
G (L/W)	12V
H (B)	0V

NG → Replace RADIO 15A fuse or repair the harness (Fuse box to Switch, Switch to Body ground)

OK

Check the remote control mirror switch. Refer to following inspection

NG → Replace the switch

OK

Check for continuity between each terminal of the remote control mirror motor

Terminal		
BR	BR/B	BR/W
○	○	○

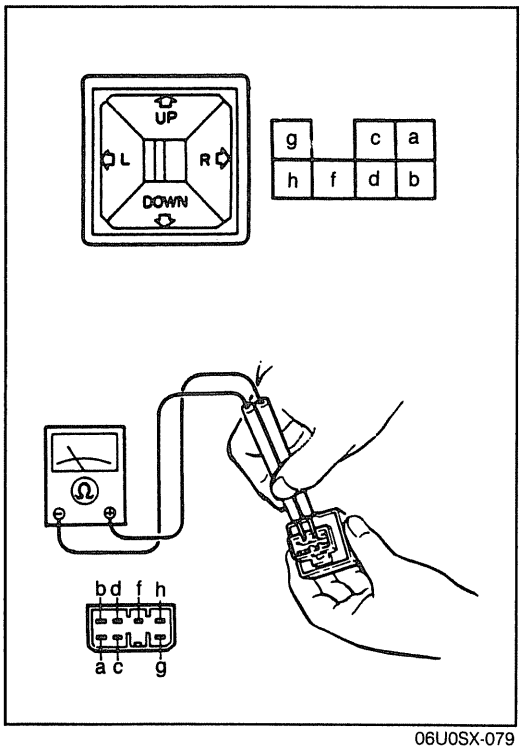
○—○: Indicates continuity

NG → Replace the motor

OK

Repair the harness (Switch to Motor)

16U0SX-001



06U0SX-079

REMOTE CONTROL MIRROR SWITCH

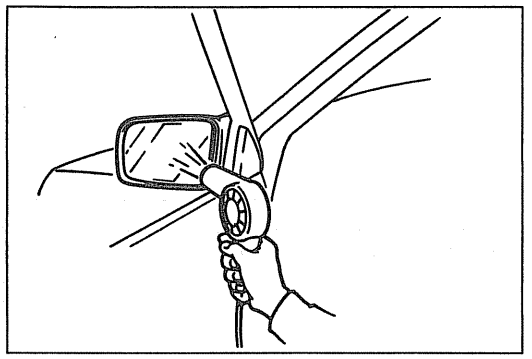
Inspection

1. Remove the negative battery cable.
2. Remove the remote control mirror switch.
3. Check for continuity between the terminals using an ohmmeter.

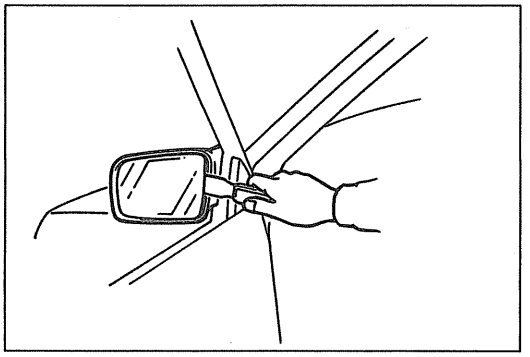
Position	Operation	g	h	a	b	f	d	c
Left	Up	○	○			○		
	Down	○	○	○	○			
	Left	○	○	○		○		
	Right	○	○		○			
Right	Up	○	○			○	○	○
	Down	○	○				○	○
	Left	○	○			○	○	
	Right	○	○			○	○	○

○—○: Indicates continuity

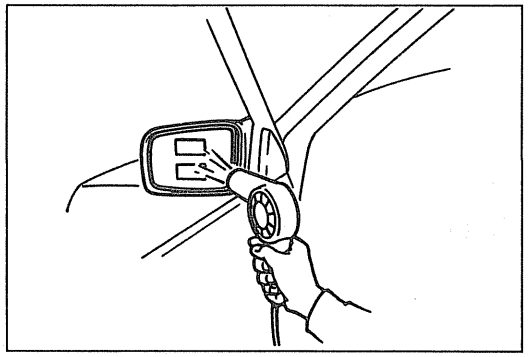
4. If continuity is not as specified, replace the remote control mirror switch.



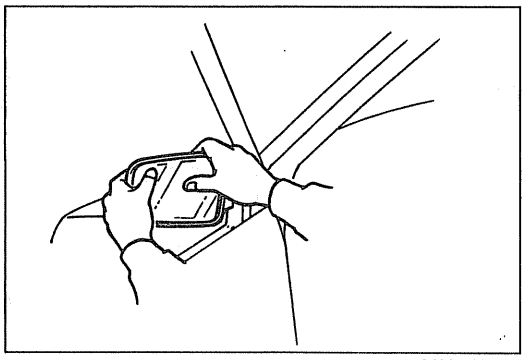
06U0SX-080



86U14X-104



06U0SX-081



86U14X-107

DOOR MIRROR

Disassembly

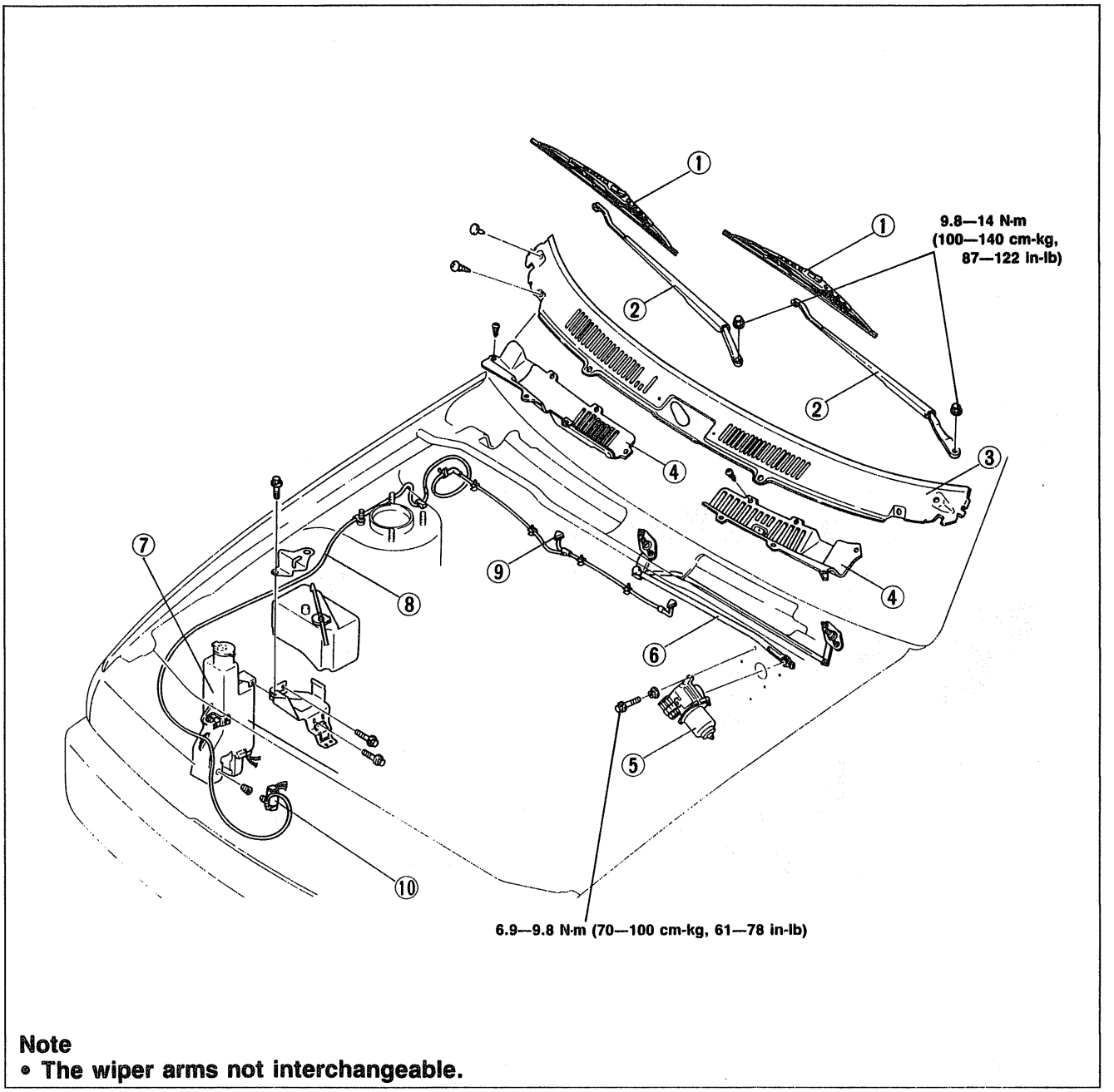
1. Warm the frame and the mirror glass with a hot air blower.
2. Insert a scraper between the mirror glass and the frame, then pry the mirror loose.
3. Remove any remaining adhesive.

Assembly

1. Warm the frame with a hot air blower.
2. Install the glass in the frame, then gently press it in to secure it.

WINDSHIELD WIPER AND WASHER

STRUCTURAL VIEW



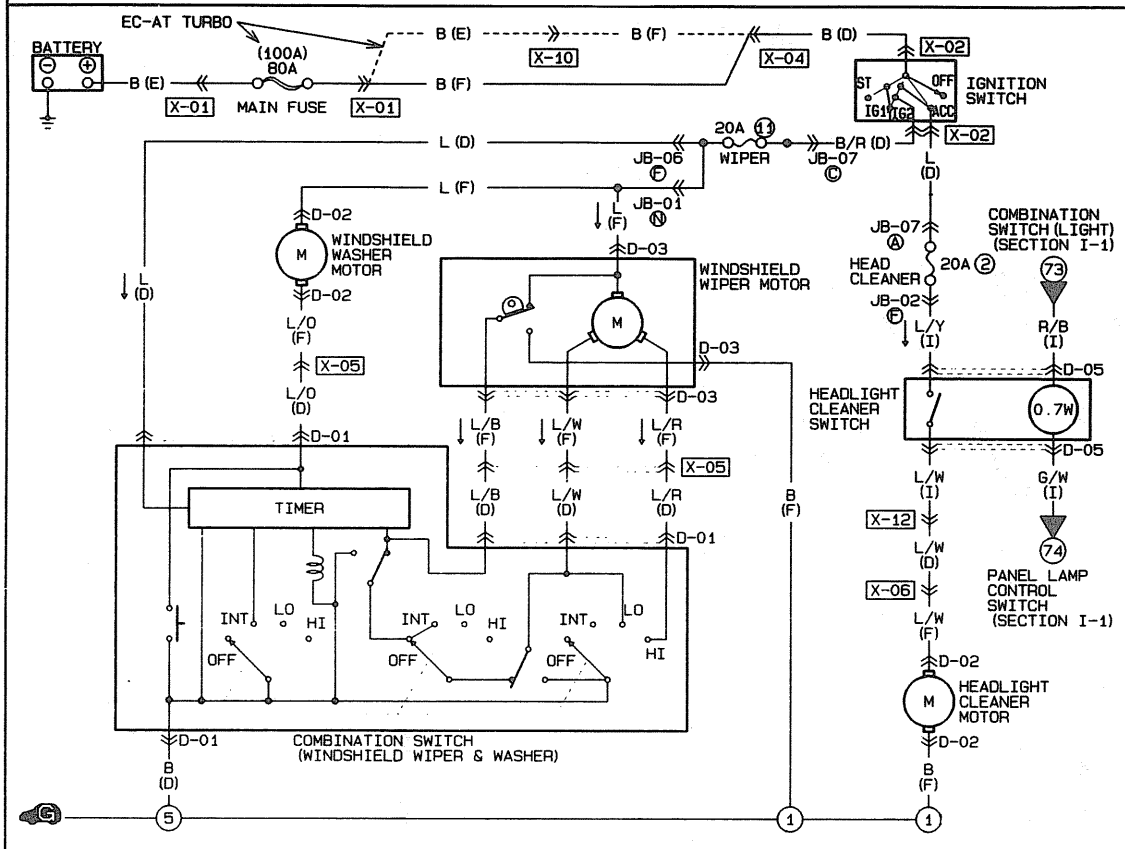
Note
- **The wiper arms not interchangeable.**

06U0SX-082

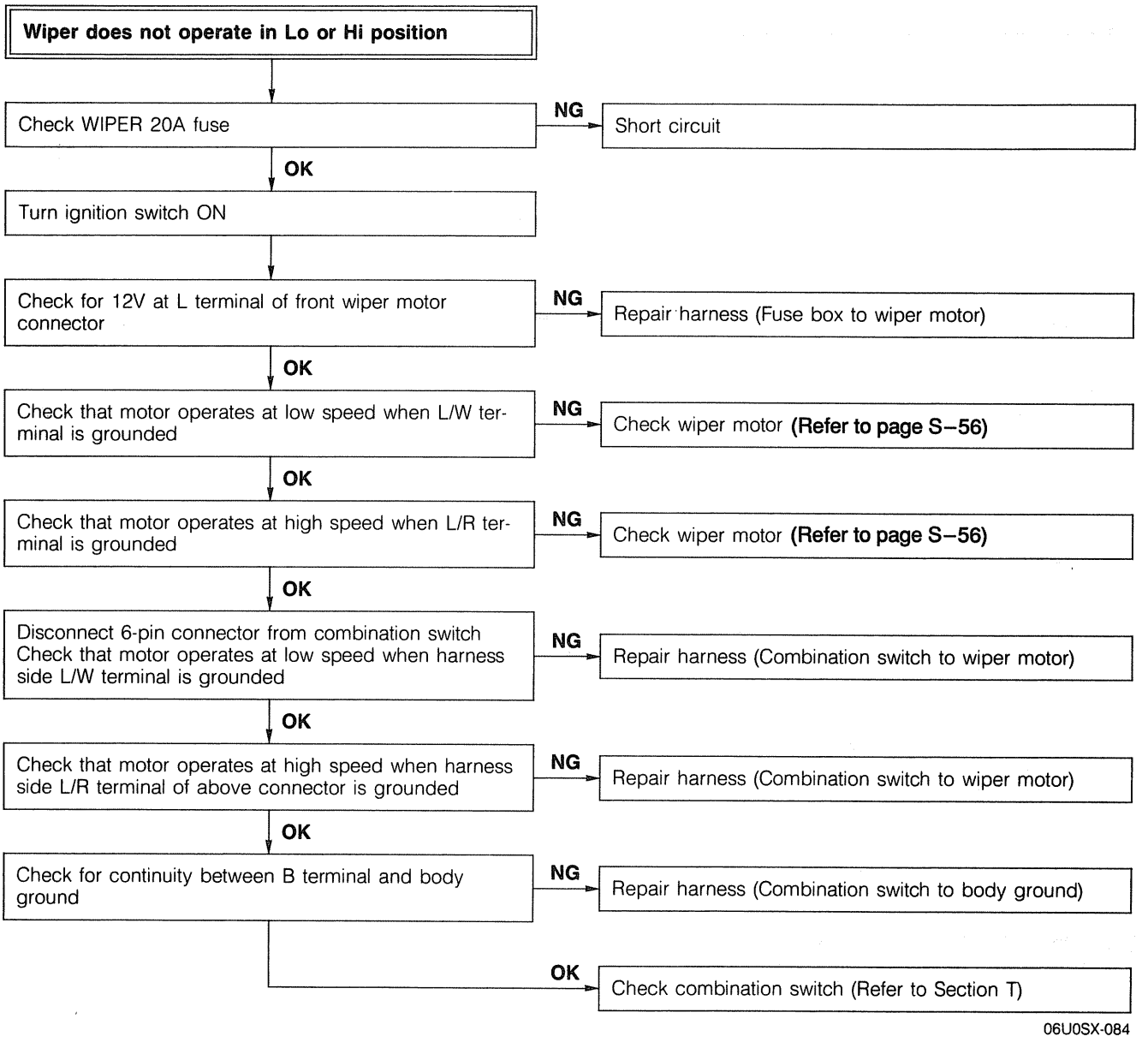
1. Wiper blade
2. Wiper arm
   - Removal ..... page **S–57**
   - Installation ..... page **S–57**
   - Adjustment ..... page **S–58**
3. Lower molding
   - Removal ..... page **S–44**
   - Installation ..... page **S–44**
4. Cover
   - Removal ..... page **S–57**
   - Installation ..... page **S–57**
5. Wiper motor
   - Inspection ..... page **S–57**
   - Removal ..... page **S–57**
   - Installation ..... page **S–56**
6. Link assembly
   - Removal ..... page **S–57**
   - Installation ..... page **S–57**
7. Washer tank
8. Hose
9. Washer nozzle
   - Adjustment ..... page **S–58**
10. Washer motor
    - Inspection ..... page **S–56**

■WINDSHIELD WIPER & WASHER ■HEADLIGHT CLEANER

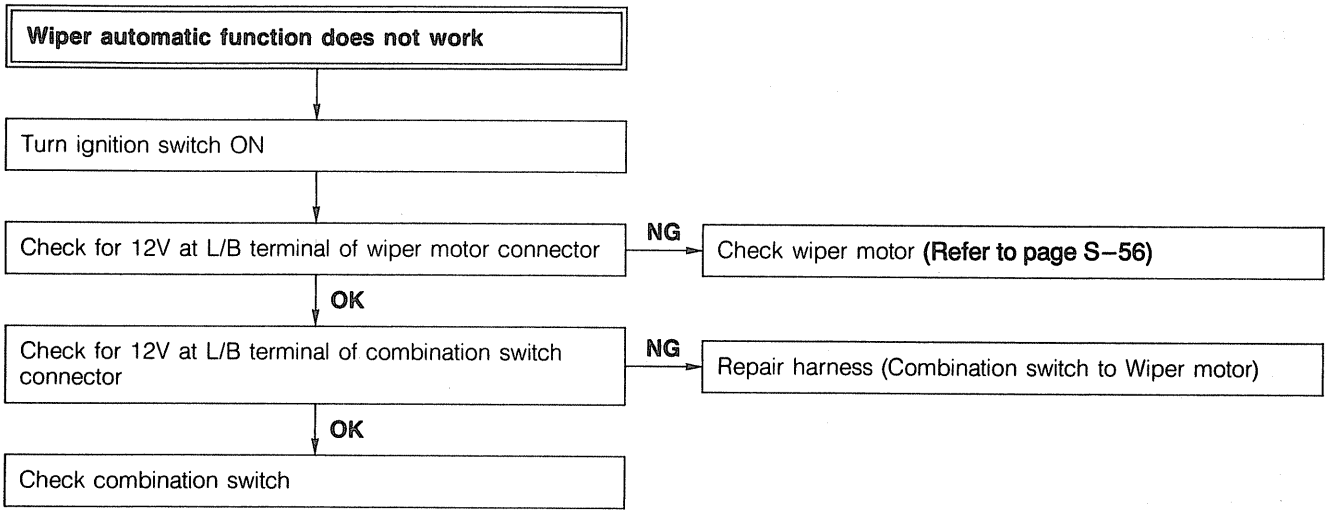
D



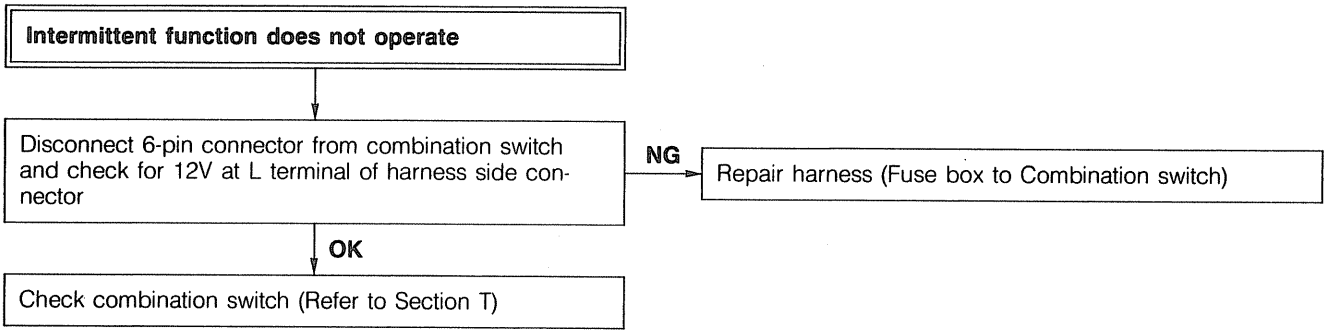
D-01 COMBINATION SWITCH (WINDSHIELD WIPER & WASHER) (D)	D-02 WASHER MOTOR ASSEMBLY (F) ( ) ...WITH HEADLIGHT CLEANER	D-03 WINDSHIELD WIPER MOTOR (F)		D-05 HEADLIGHT CLEANER SWITCH (I)
L/O L B L/W L/B L/R	✳(L/W) L/Y L ✳(B) B L/O	B L/R L/W ✳ L/B L		L/Y R/B L/W G/W


Wiper does not operate in Lo or Hi position
Check WIPER 20A fuse
NG
Short circuit
OK
Turn ignition switch ON
Check for 12V at L terminal of front wiper motor connector
NG
Repair harness (Fuse box to wiper motor)
OK
Check that motor operates at low speed when L/W terminal is grounded
NG
Check wiper motor (Refer to page S–56)
OK
Check that motor operates at high speed when L/R terminal is grounded
NG
Check wiper motor (Refer to page S–56)
OK
Disconnect 6-pin connector from combination switch Check that motor operates at low speed when harness side L/W terminal is grounded
NG
Repair harness (Combination switch to wiper motor)
OK
Check that motor operates at high speed when harness side L/R terminal of above connector is grounded
NG
Repair harness (Combination switch to wiper motor)
OK
Check for continuity between B terminal and body ground
NG
Repair harness (Combination switch to body ground)
OK
Check combination switch (Refer to Section T)

06U0SX-084



06U0SX-085



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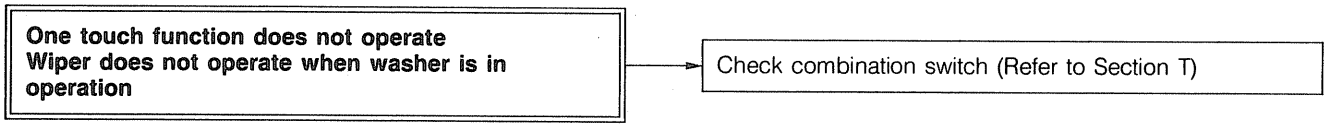

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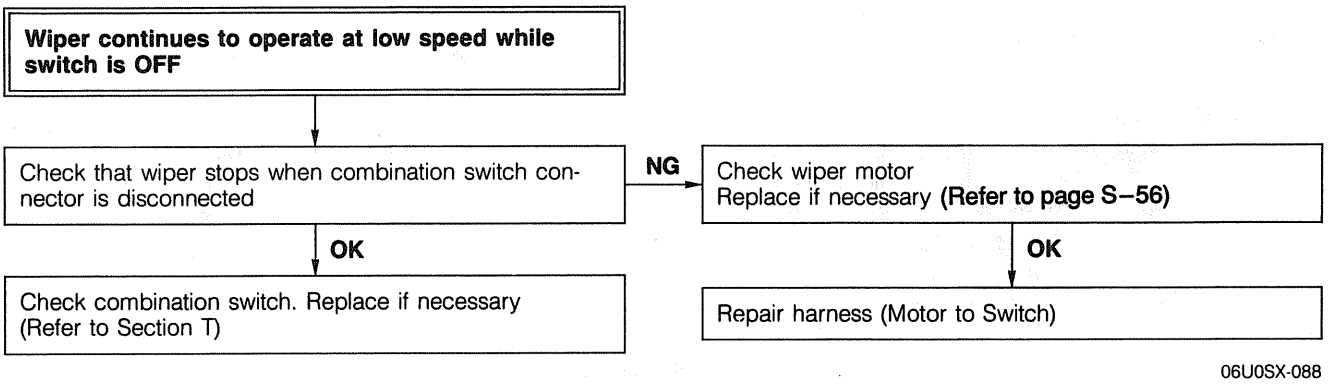

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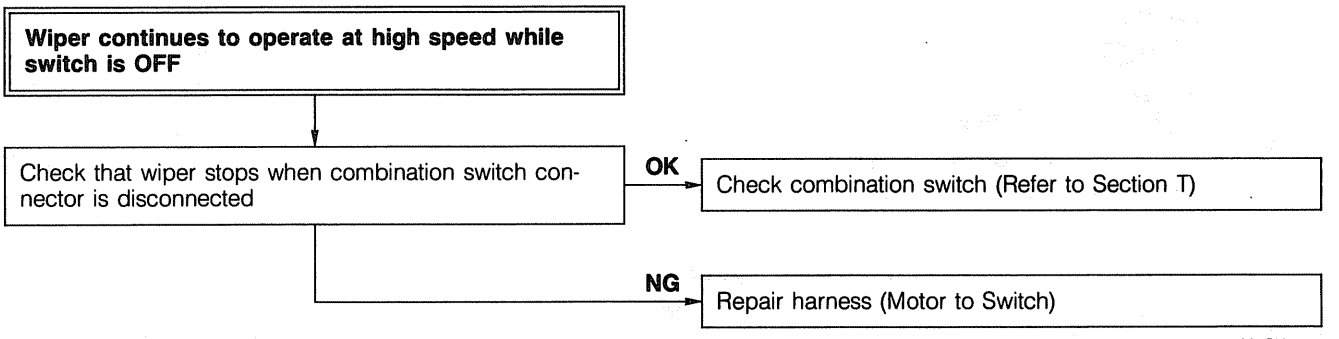
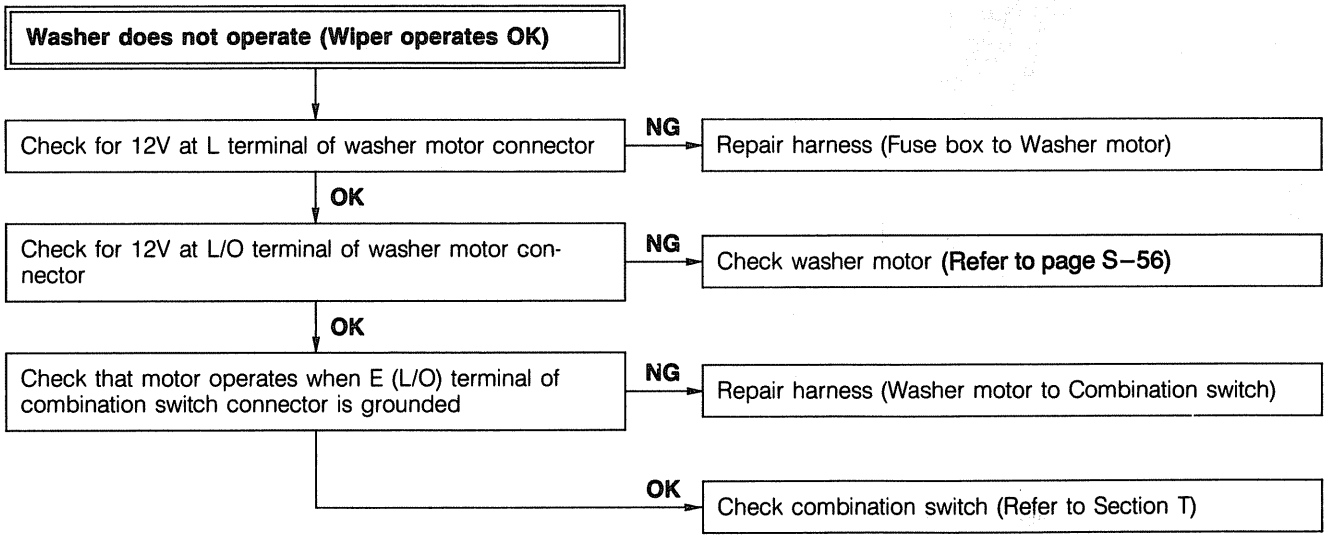
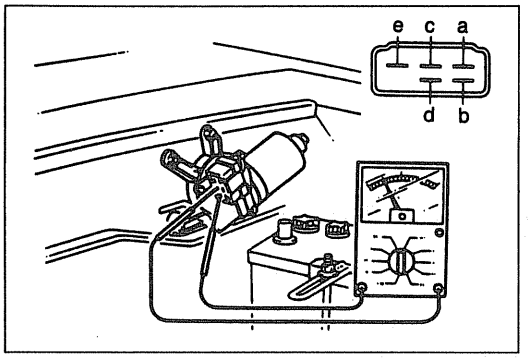


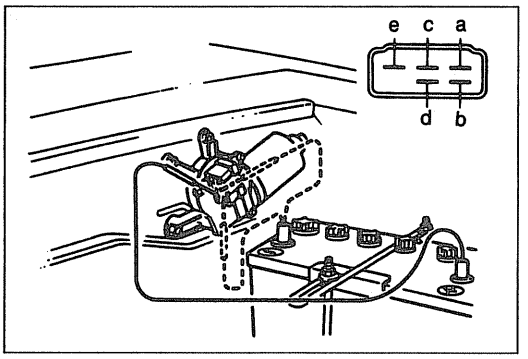
06U0SX-089



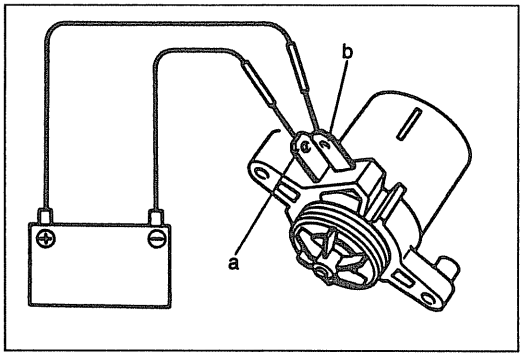
06U0SX-090



06U0SX-091



96U15X-103



06U0SX-092

WIPER MOTOR

Inspection

Check for continuity between the terminals when wiper is in normal resting position.

Terminals	Continuity
b—a	Yes
b—c	Yes
b—d	Yes
f—d	No

Checking Operation

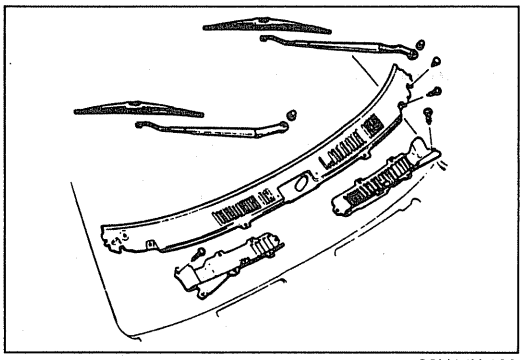
Check operation by applying 12V as shown to the motor connector.

Terminal		Operation speed
12V	Ground	
b	a	Low
	c	High

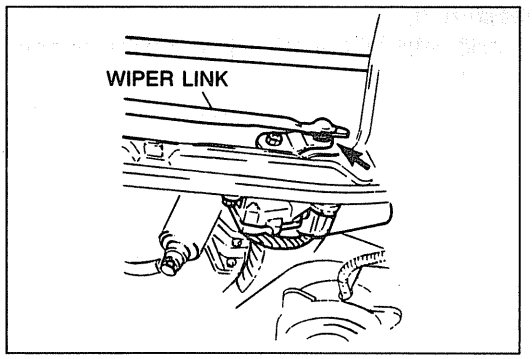
WASHER MOTOR

Inspection

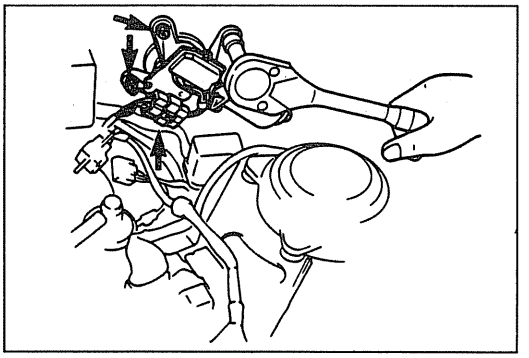
1. Check for continuity of the motor with an ohmmeter.
2. Connect 12V to the "b" terminal and ground the "a" terminal. Verify that the motor operates.



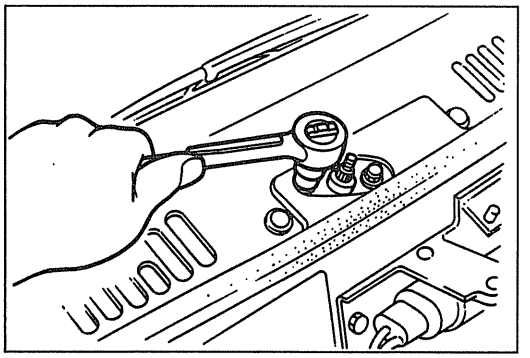
86U14X-168



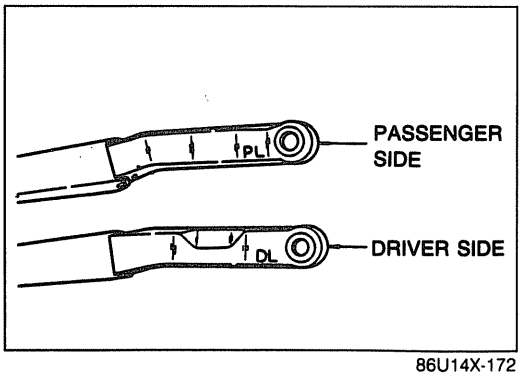
86U14X-169



86U14X-170



86U14X-171



86U14X-172

REMOVAL

1. Disconnect the negative battery cable.
2. Remove the wiper arms.
3. Remove the lower molding.
4. Remove the cover.
5. Disconnect the wiper link from the motor.

Caution

- **Do not remove the motor arm unless necessary. The motor arm position on the motor shaft decides the automatic stop position. (lowest position of the wiper arm)**

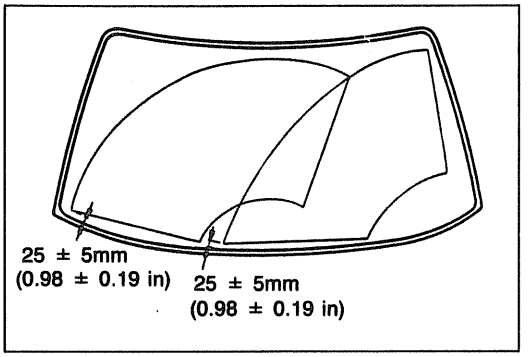
6. Disconnect the connector.
7. Remove the wiper motor.
8. Remove the wiper link assembly mounting bolts.
9. Lift the wiper link assembly out from the left side (driver's side) service hole.

INSTALLATION

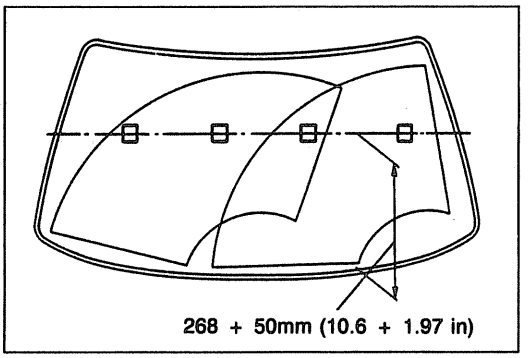
Install in the reverse order of removal.

Note

- **The wiper arms are identified by marks on the arms.**
  DL: driver side
  PL: passenger side



86U14X-173



86U14X-174

ADJUSTMENT

Arm Height

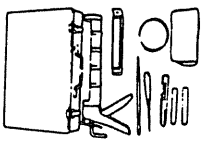
Set the arm height as shown in the figure.

Adjustment of washer spray

Insert a needle or similar object into the nozzle hole and bend to change the spray direction.

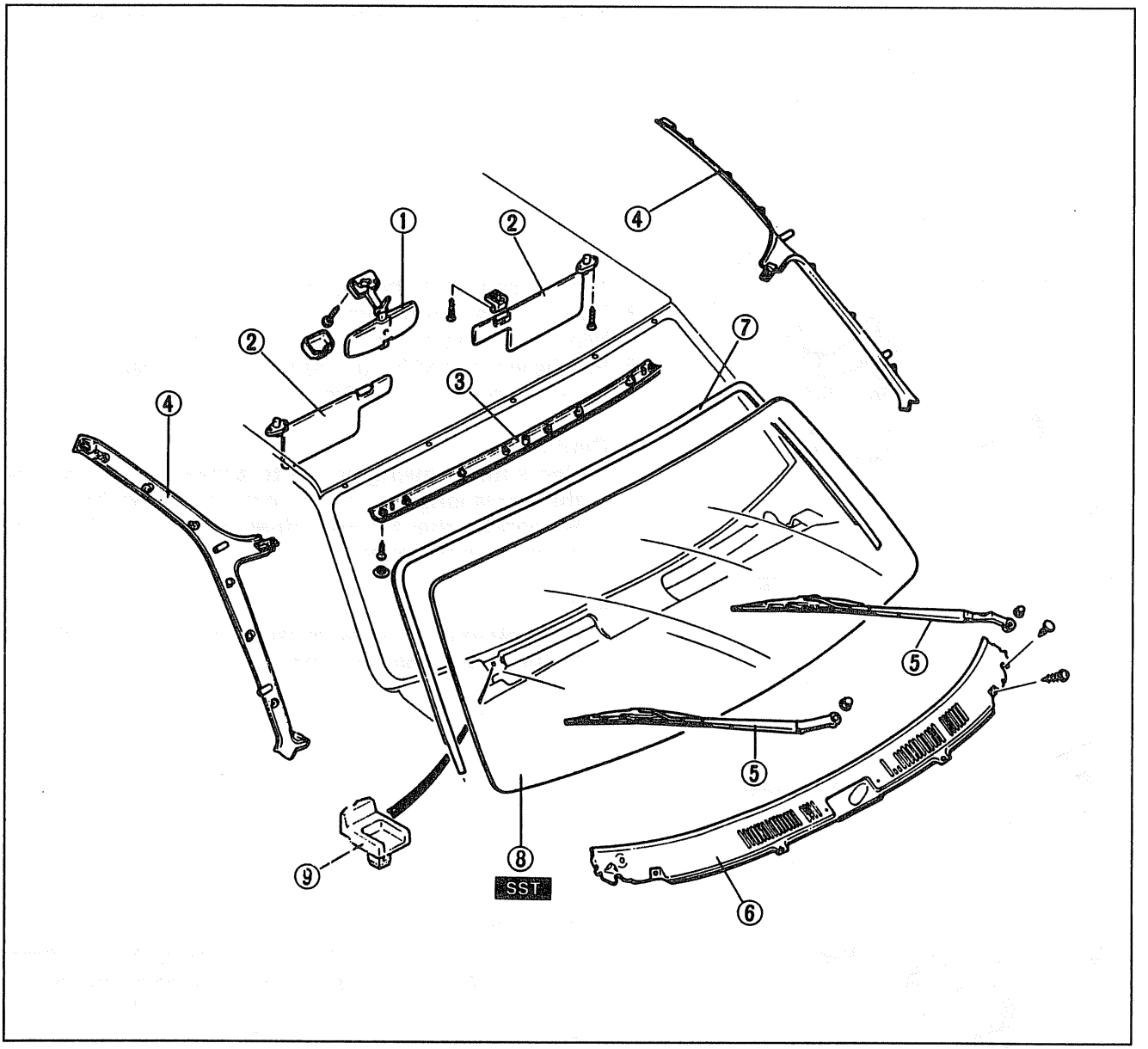
WINDSHIELD GLASS

PREPARATION
SST

49 0305 807A Tool set, window		For removal and installation of windshield glass

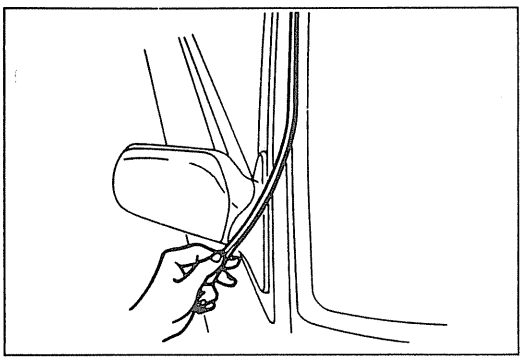
06U0SX-102

STRUCTURAL VIEW

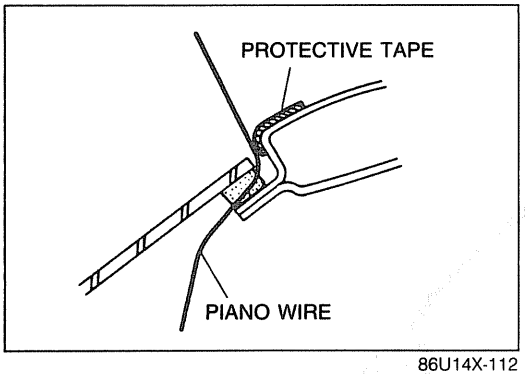


06U0SX-103

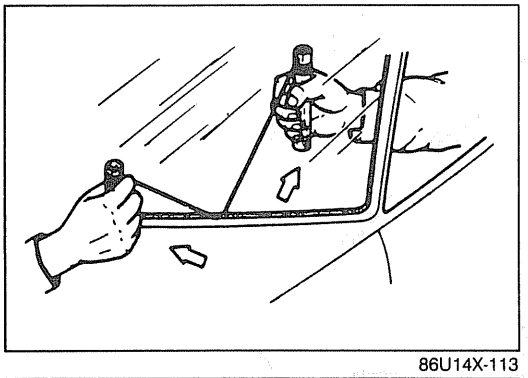
1. Rear view mirror
2. Sunvisor
3. Front header trim
4. Front pillar trim
5. Wiper arm
6. Lower molding
7. Front windshield molding
8. Windshield glass
9. Spacer



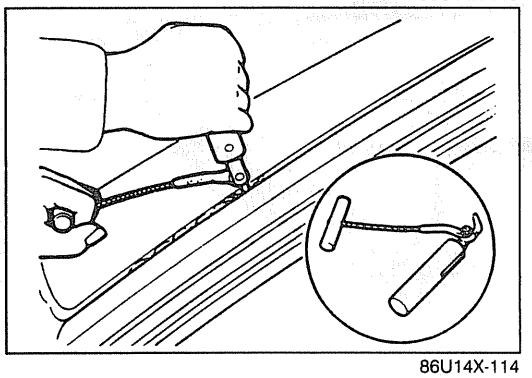
86U14X-111



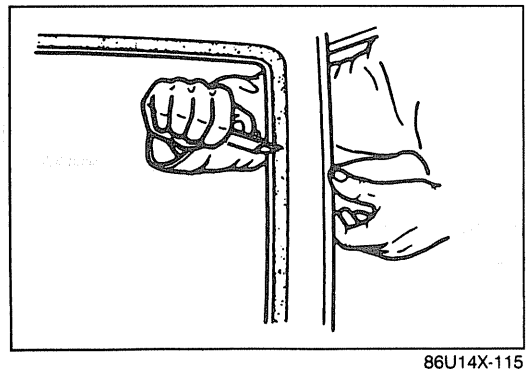
86U14X-112



86U14X-113



86U14X-114



86U14X-115

REMOVAL

1. Remove the rearview mirror, sunvisors, front pillar trim, and front header trim.
2. Remove the wiper arms and lower molding.
3. Remove the front window molding.

Caution

- **Before removing the sealant, apply adhesive tape to the body and instrument panel to protect them from damage.**

4. Make a small hole through the sealant.
5. Pass the piano wire through the hole.
6. Wind each end of the wire around a bar.
7. Pull the wire to and fro, and saw through the sealant around the edge of the glass. Then remove the glass.

Caution

- **Use a long sawing action to spread the work over the whole length of wire to prevent it from breaking.**
- **Be careful that the wire does not rub on the body or instrument panel.**

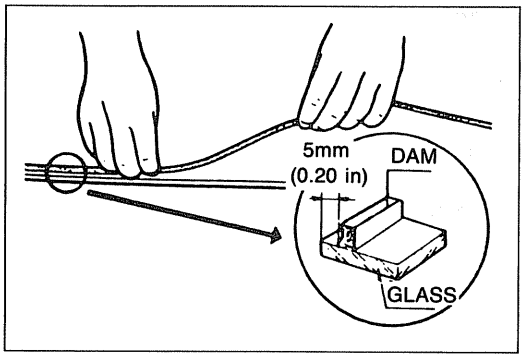
Note

- **If the glass is not to be reused, a tool like that shown in the figure may be used.**

Insert the blade in the sealant, and pull on the bars.

INSTALLATION

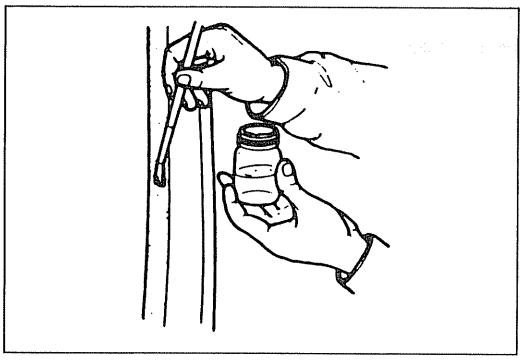
1. Cut away the old sealant with a sharp knife so that **1 to 2mm (0.04 to 0.08 in)** thickness of sealant remains around the circumference of the frame. If all the sealant has come off in any one place, apply some primer after degreasing, and allow it **30 minutes** to dry. Then put on new sealant to build up to a **2mm (0.08 in)** layer.



86U14X-116

2. Carefully clean a **5 cm (1.97 in)** wide area around the circumference of the glass and the bond on the body.
3. Bond a new dam along the circumference of the glass **5mm (0.20 in)** from the edge.

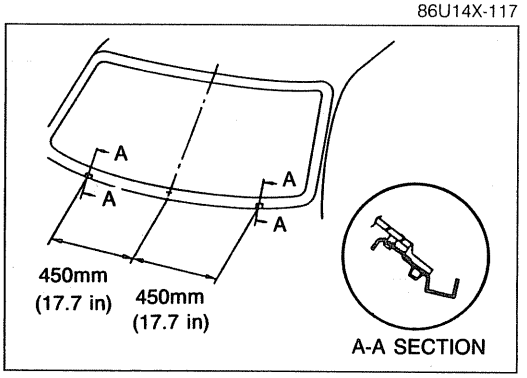
Caution
- **Securely bond the dam and allow it to dry.**



86U14X-117

4. Apply primer with a brush to the bonding area of the glass and the body, and allow it to dry for **approx. 30 minutes**.

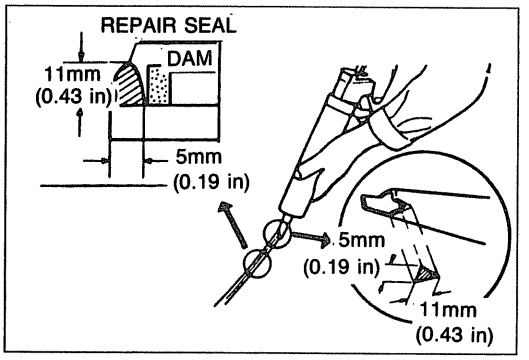
Caution
- **Keep the area free of dirt. Do not touch the surface. If primer gets on the hands, remove it immediately.**



86U14X-118

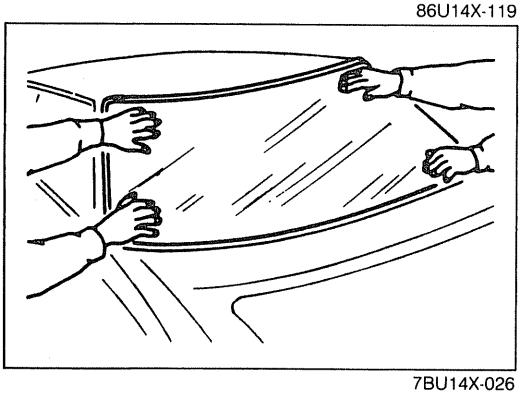
5. Bond the spacers to the body as shown.

Caution
- **Damaged clips must be replaced.**



86U14X-119

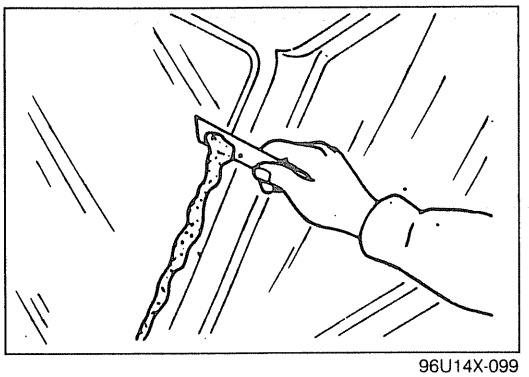
6. Prepare the nozzle of the sealant gun so that it has a flange that can run along the edge of the glass, and a V from which the sealant can flow. Once the primer is dry, apply the sealant around the entire circumference to fill the gap between the dam and the edge of the glass with a ridge of sealant **11mm (0.43 in)** high.
Keep the bead of sealant smooth and even, reshaping it where necessary with a spatula.



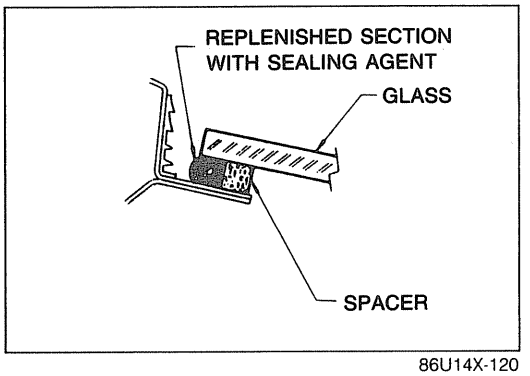
7BU14X-026

7. Lift the glass into place. Push it in lightly toward the vehicle to compress the sealant.

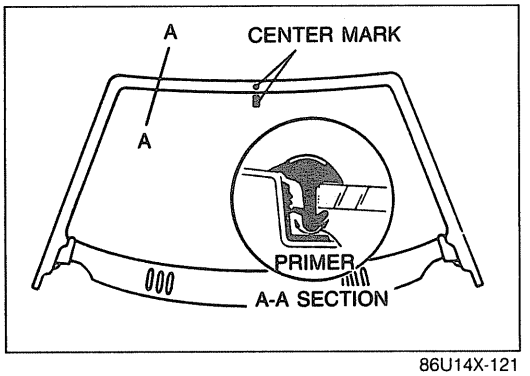
Caution
- **Open the windows to prevent the glass from being pushed out by air pressure if a door is closed.**



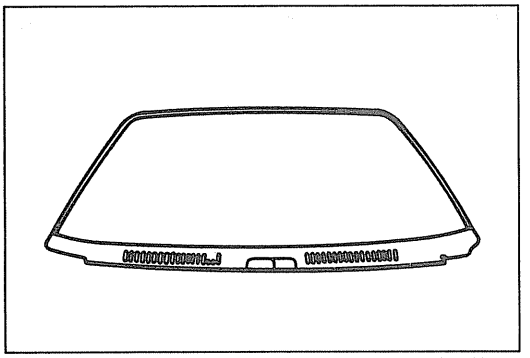
96U14X-099



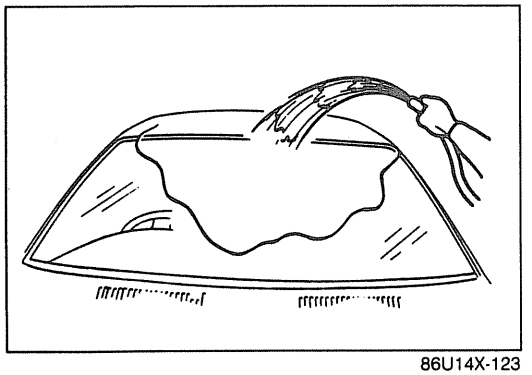
86U14X-120



86U14X-121



86U14X-122



86U14X-123

Hardening time of repair seal

Temperature	Surface hardening time	Time required until car can be put in service
5°C (41°F)	Approx. 1.5 hrs	12 hrs
20°C (68°F)	Approx. 1 hr	4 hrs
35°C (95°F)	Approx. 10 min.	2 hrs

8. Use a scraper to smooth away any sealant that oozes out. Add more sealant to any points of poor contact.

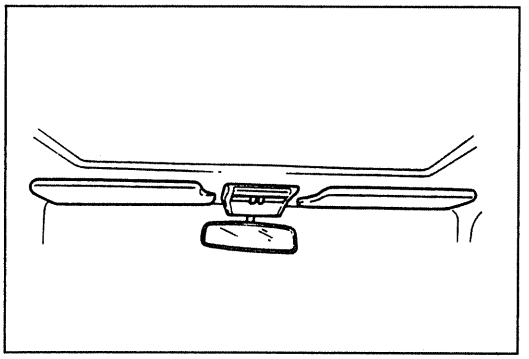
9. Check for water leaks. If a leak is found, wipe the water off well and add **repair seal** (B001 77 739) where needed.

10. Align the alignment mark of the molding with that on the lap of the glass and push the molding into place along the top.

Caution
- **Apply primer with a brush to the bonding area of the molding, and allow it to dry for approx. 30 minutes.**
- **Use a new window molding.**

11. Insert the molding ends into the flanges of the lower molding. Then push it in along the sides.

12. After checking for water leakage, mount the pillar garnish.

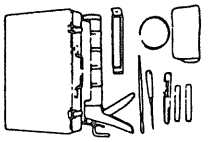


86U14X-124

13. Attach the front header trim, pillar trim, sunvisors, and rear-view mirror.

REAR WINDOW GLASS

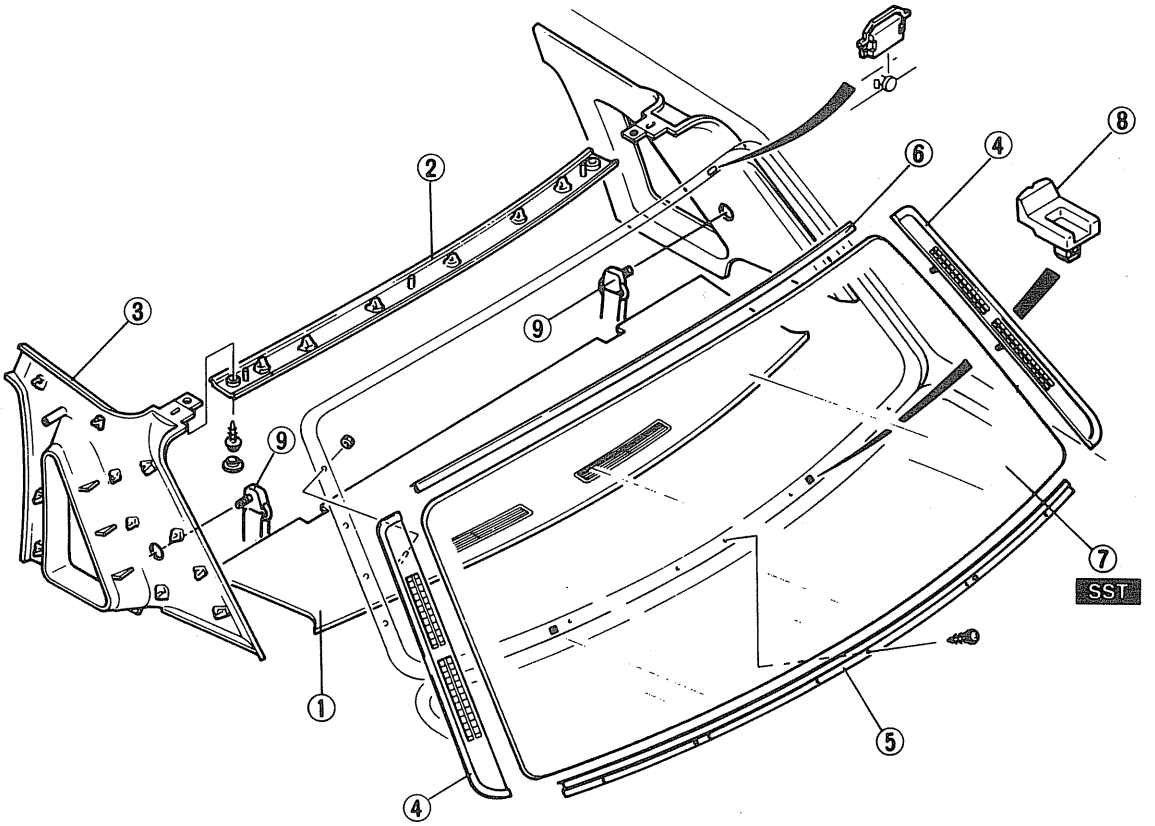
PREPARATION
SST

49 0305 807A Tool set, window		For removal and installation of rear window glass

06U0SX-104

STRUCTURAL VIEW

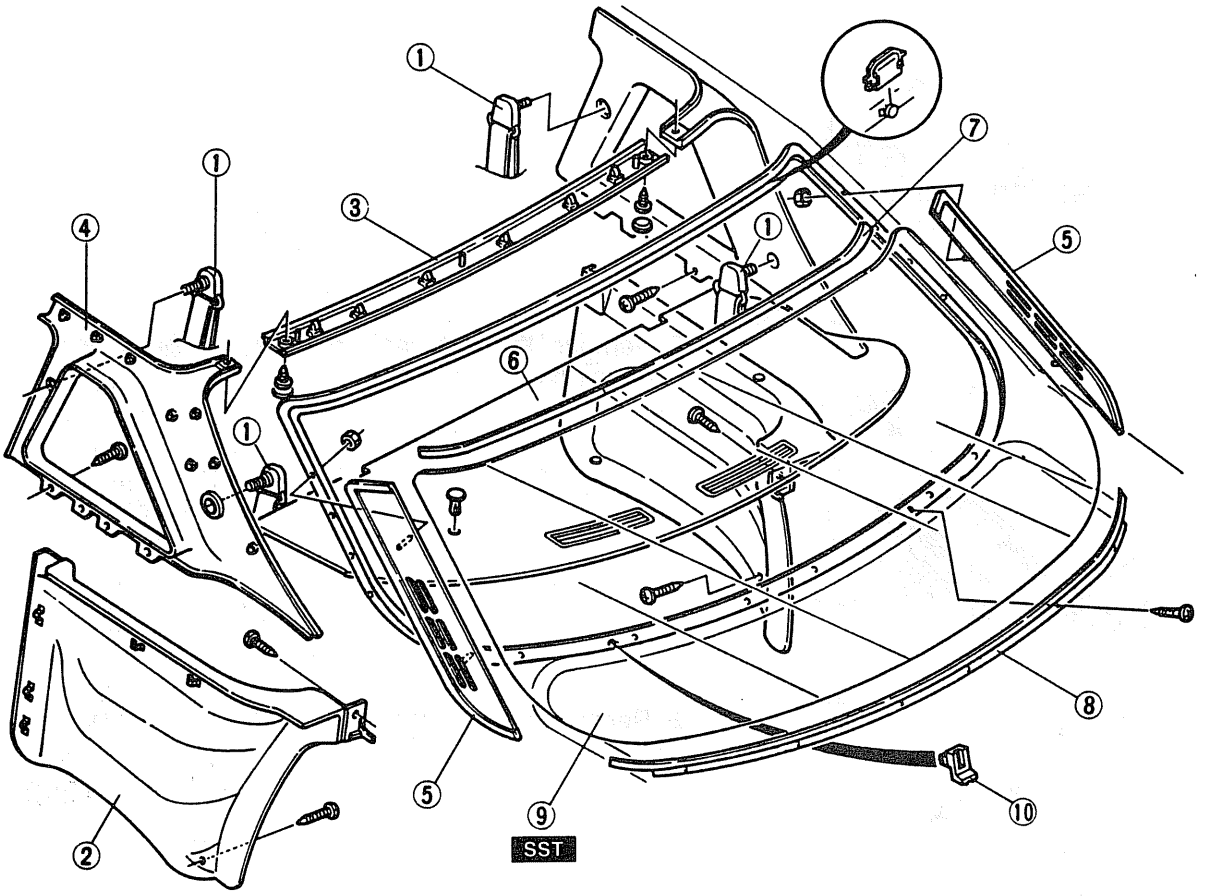
SEDAN



06U0SX-105

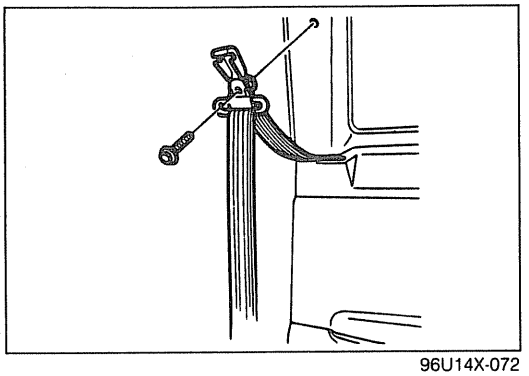
1. Rear package tray
2. Rear header trim
3. Rear pillar trim
4. Back window side molding
5. Back window lower molding
6. Back window upper molding
7. Rear window glass
8. Spacer
9. Seat belt bolts

MX-6



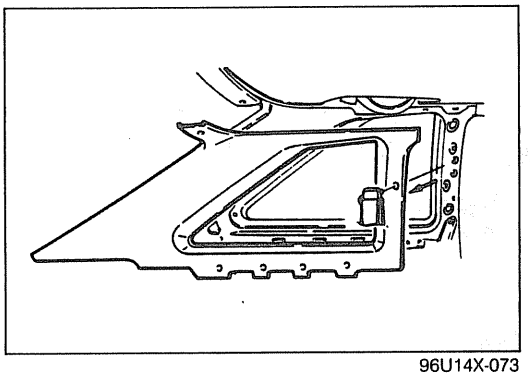
96U14X-071

1. Seat belt upper anchor bolt
2. Rear side trim
3. Rear header trim
4. Rear pillar trim
5. Back window side molding
6. Rear package tray
7. Back window upper molding
8. Back window lower molding
9. Rear window glass
10. Spacer

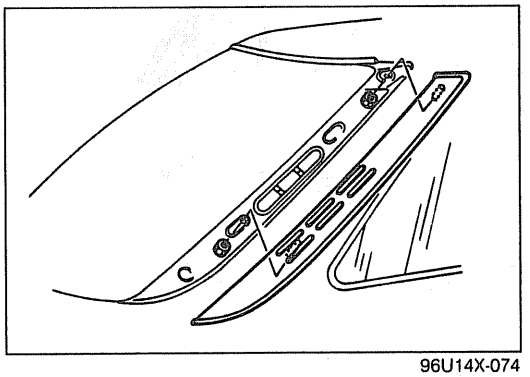

96U14X-072

REMOVAL

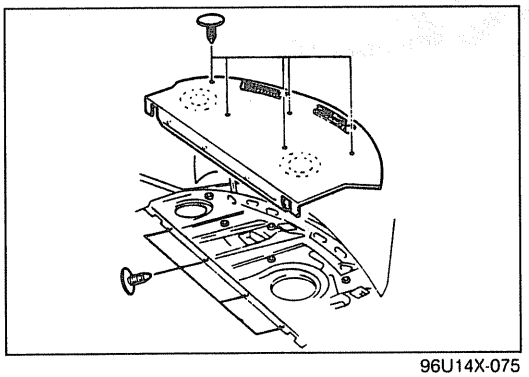
1. Disconnect the negative battery cable.
2. Disconnect the defroster connectors.
3. Remove the seat belt upper anchor bolts.
4. Remove the screws and remove the rear header trim.
5. Remove the screws and remove the rear side trims (MX-6).


96U14X-073

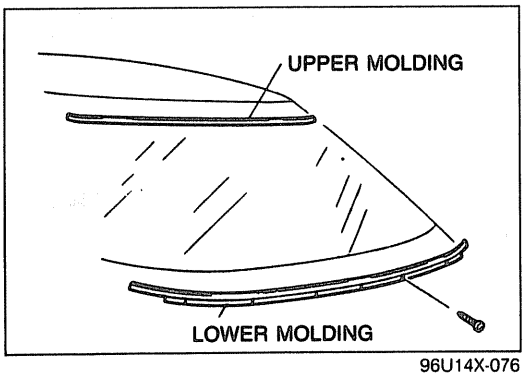
6. Remove the screws and remove the rear pillar trims.


96U14X-074

7. Remove the nuts and remove the back window side moldings.

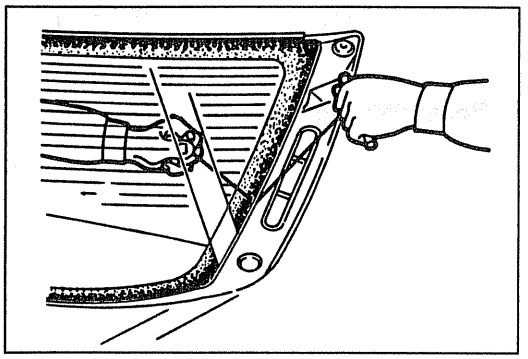

96U14X-075

8. Remove the fasteners, and remove the rear package tray.



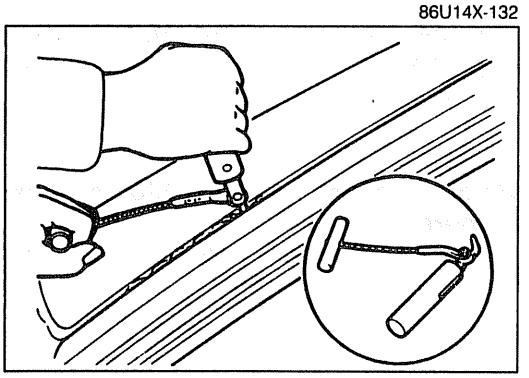
96U14X-076

9. Remove the lower and upper window moldings.



86U14X-132

10. Use an awl to make a hole in the sealant.
    Pass the end of a piece of the piano wire **(about 40 cm 15.7 in)** through the hole, and attach bars to both ends.
11. Apply protective tape along the edge of the body to the glass as shown.
12. Two people should hold the bars, one inside and one outside the vehicle, and then "saw" the sealant from around the glass.
13. Remove the glass from the body.



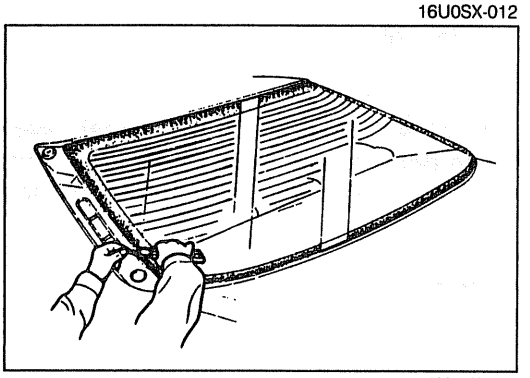
16U0SX-012

Caution
- **Cut along the border between the glass and the sealant.**
- **If too much heat develops, the piano wire may break, so cool it occasionally or don't work on one place too long.**
- **If the glass is not to be reused, a tool like that shown in the figure may be used.**

Insert the blade in the sealant, pull on the bars, and cut the sealant.

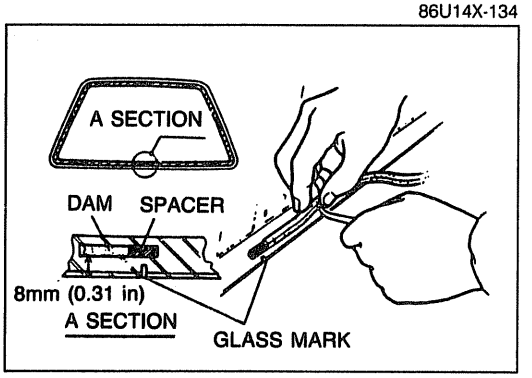
INSTALLATION

1. Use a knife to smoothly trim the sealant on the body. Leave a layer about **1 or 2mm (0.04 to 0.08 in)** thick.



86U14X-134

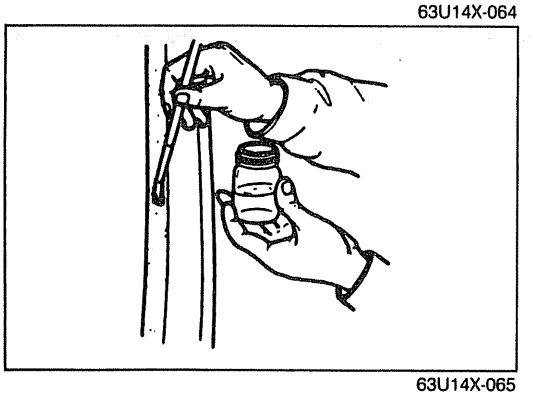
Caution
- **If some sealant flakes off, use new sealant to patch it.**



63U14X-064

2. Carefully clean and remove any grease from a **5 cm (1.97 in)** wide area around the circumference of the glass and the remaining bond on the body.
3. Bond a dam along the circumference of the glass **8mm (0.31 in)** from the edge.

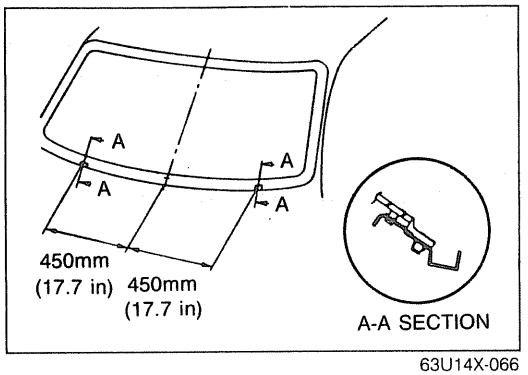
Caution
- **Securely bond the dam and let it dry.**



63U14X-065

4. Apply primer with a brush to the circumference of the glass and the body and allow them to naturally dry for 20 to 30 minutes.

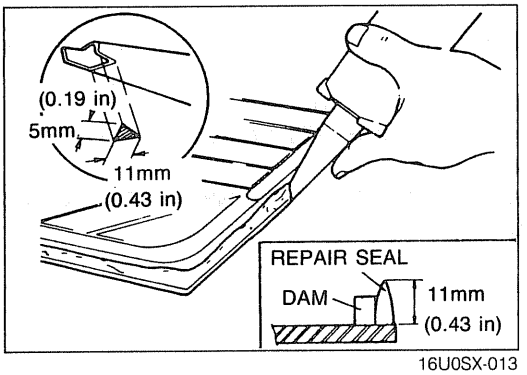
Caution
- **Be sure not to allow dirt, water, oil, or similar materials to come into contact with the coated surfaces, and do not touch them by hand.**



63U14X-066

5. Install the spacers at the positions shown in the figure.

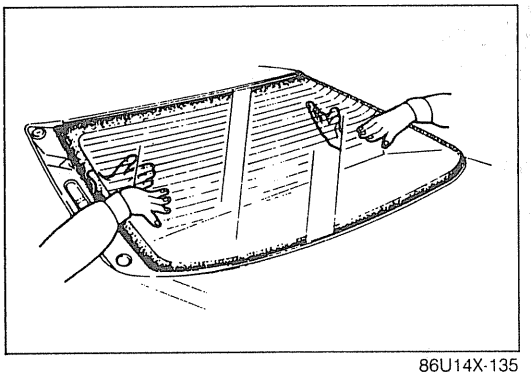
Caution
- **Spacers with flaws must be replaced.**



16U0SX-013

6. When the primer has dried, apply an **11mm (0.43 in)** thick bead of **repair seal** (B001 77 739) **11mm (0.43 in)** from the edge of the window glass using a sealant gun.

Caution
- **Cut the nozzle of the repair seal cartridge as illustrated in the figure.**
- **If necessary, smooth the repair seal to correct any irregularities.**



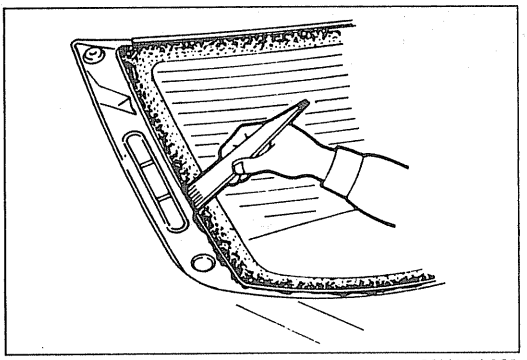
86U14X-135

7. Attach the rear window glass to the body.

Caution
- **Keep the door glass open until the repair seal hardens to some degree to prevent pressure from being exerted on the rear glass if the door is closed quickly.**

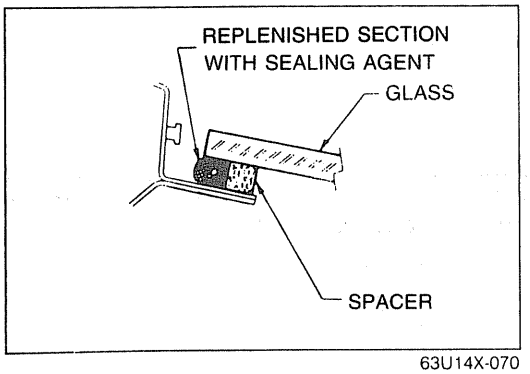
Hardening time of repair seal

Temperature	Surface hardening time	Time required until car can be put in service
5°C (41°F)	Approx. 1.5 hrs	12 hrs
20°C (68°F)	Approx. 1 hr	4 hrs
35°C (95°F)	Approx. 10 min.	2 hrs



63U14X-069

8. Remove any excess or add repair seal where necessary.

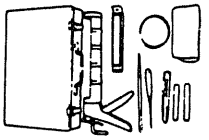


63U14X-070

9. Check for water leaks. If a leak is found, wipe the water off well and add **repair seal** (B001 77 739).
10. After checking for water leakage, install the moldings and trims.
11. Connect the defroster connectors.

QUARTER WINDOW GLASS

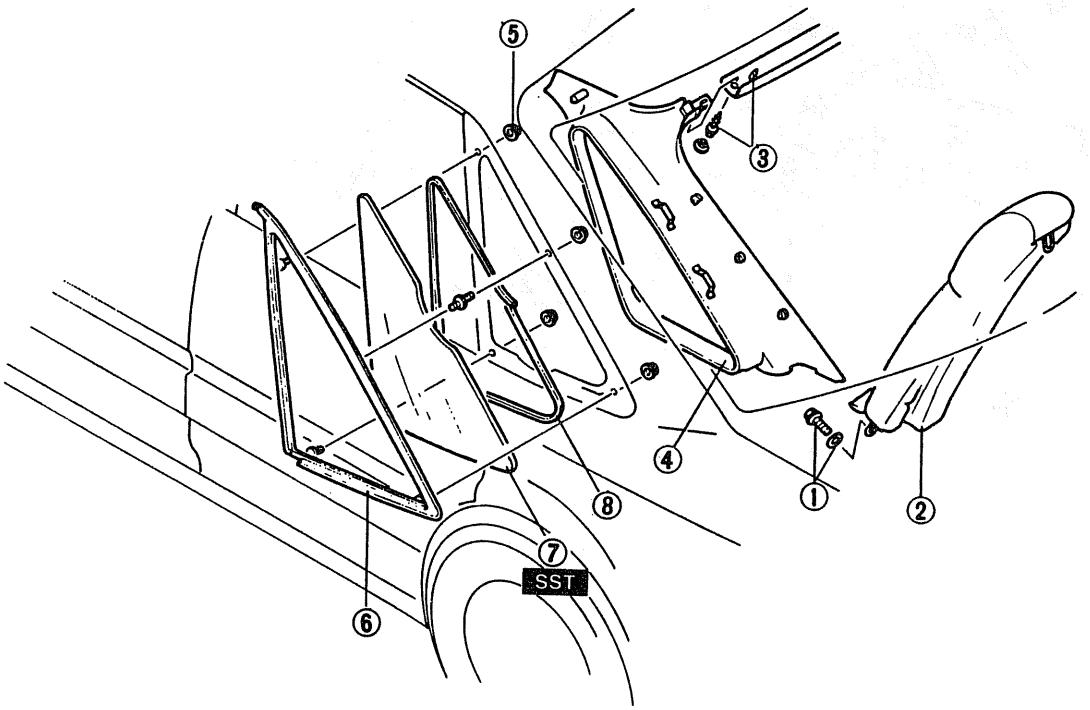
PREPARATION
SST

49 0305 870A Tool set, window		For removal and installation of quarter window glass

06U0SX-109

STRUCTURAL VIEW

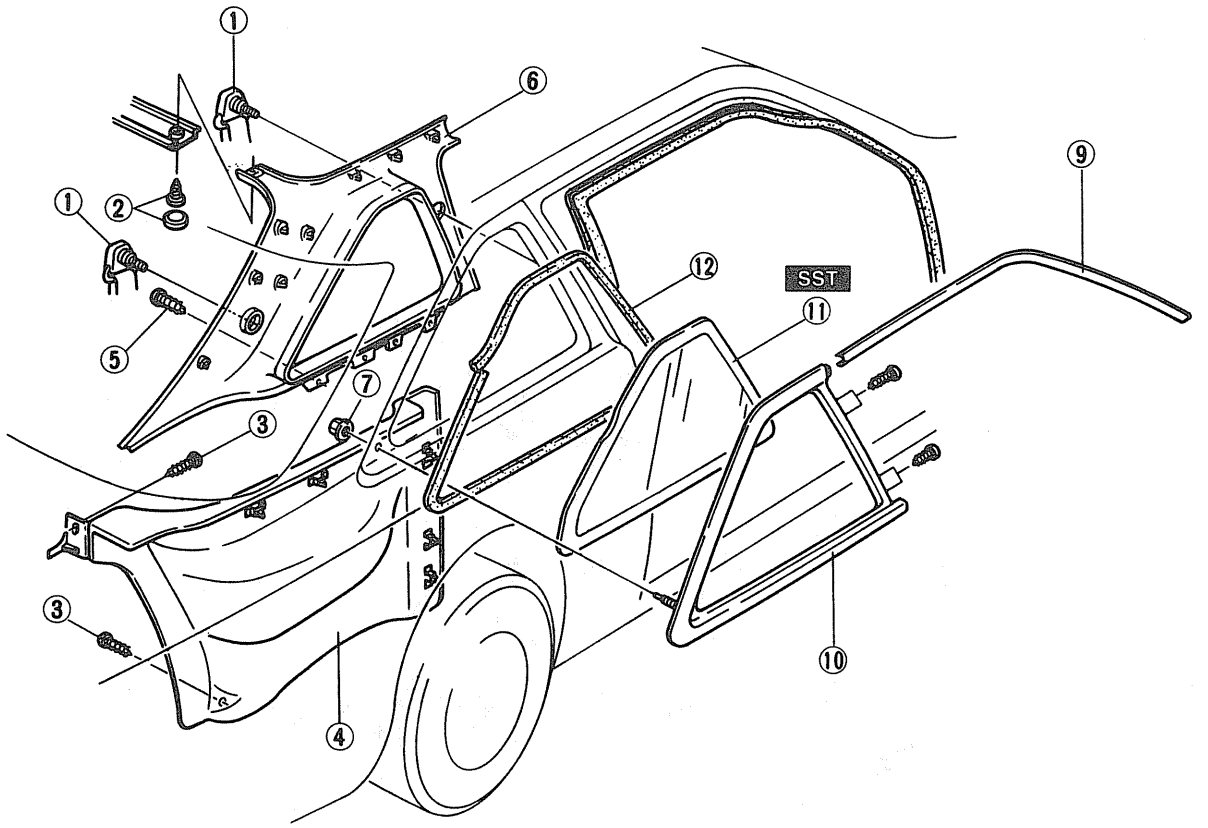
SEDAN



06U0SX-110

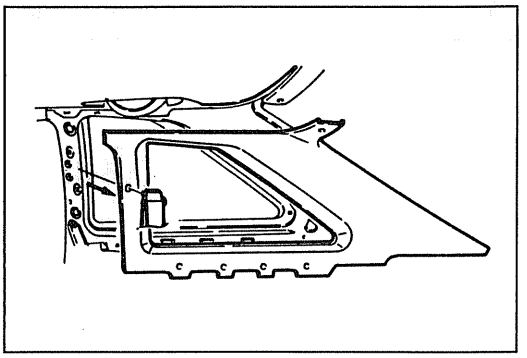
1. Bolt
2. Rear side seat back
3. Rear header trim screw
4. Rear pillar trim
5. Nuts
6. Quarter window molding
7. Quarter window glass
8. Dam

MX-6



96U14X-080

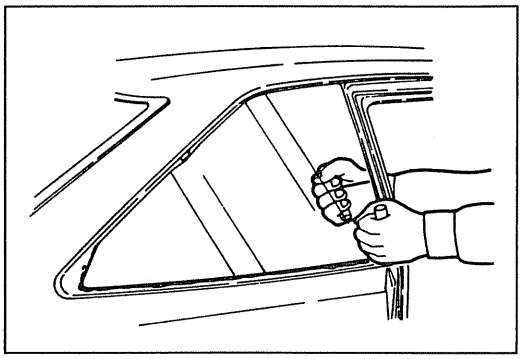
1. Seat belt upper anchor bolt
2. Screw
3. Screw
4. Side trim
5. Screw
6. Rear pillar trim
7. Nut
8. Screw
9. Drip molding
10. Quarter window molding
11. Quarter window glass
12. Dam



96U14X-081

REMOVAL

1. Fold down the rear seat back, and remove the rear side seat back. (Touring sedan)
2. Remove the rear side trim and the package side shelf. (Touring sedan)
3. Remove the seat belt upper anchor bolt(s).
4. Remove the rear header and rear pillar trims.
5. Remove the mounting nuts and fastener, and remove the quarter window molding.



86U14X-151

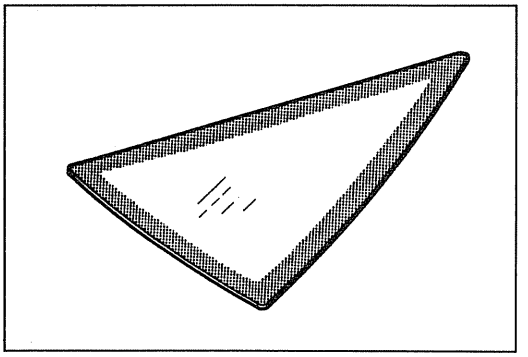
6. Make a small hole through the sealant.
7. Pass the piano wire through the hole.
8. Wind each end of the wire around a bar.
9. Pull the wire to and fro, and saw through the sealant around the edge of the glass. Then remove the glass.

Caution

- **Use a long sawing action to spread the work over the whole length of wire to prevent it from breaking.**
- **Be careful that the wire does not rub on the vehicle paint.**

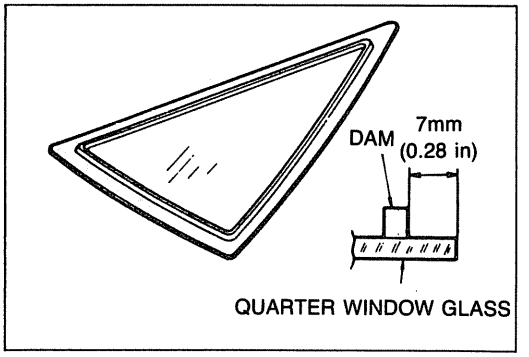
INSTALLATION

1. Use the knife to smoothly cut the sealant on the body side, leaving a layer about **1 or 2mm (0.04 to 0.08 in)** thick.
2. Carefully clean around the edge of the quarter window glass **(up to approx. 5 cm (0.2 in) from the edge)**, and the adhesion surface at the body side.



86U14X-152

3. Attach a **dam** (G043 50 762) around the glass, **approx. 7mm (0.28 in)** from the edge.

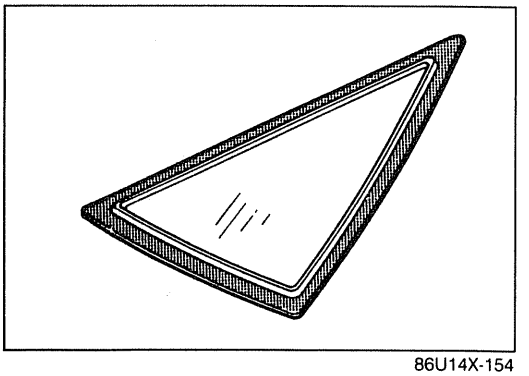


86U14X-153

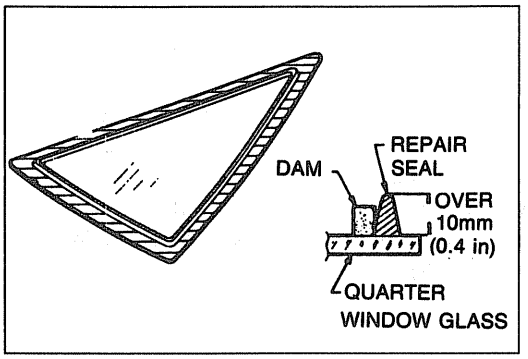
4. Apply a thin coat of primer to the bonding area of the body and glass, and **allow 30 minutes** for it to dry.

Caution

- **Keep the area free of dirt. Do not touch the surface. If primer gets on the hands, remove it immediately.**

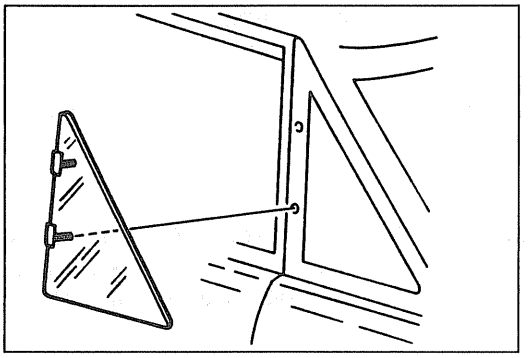


86U14X-154



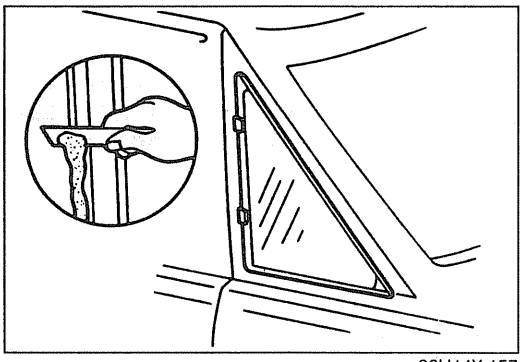
86U14X-155

5. After the primer dries, apply a bead of repair seal to a height of **10mm (0.4 in) min.** around the edge of the glass.



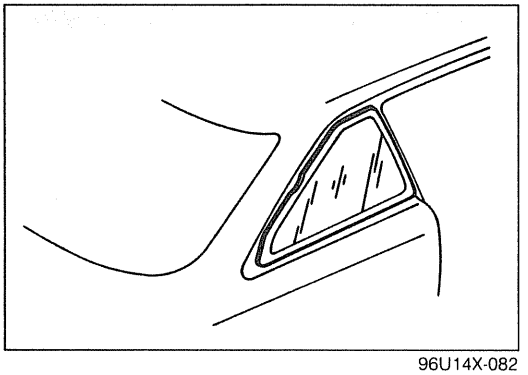
86U14X-156

6. Attach the glass to the body.



86U14X-157

7. Remove excess sealant. Add sealant where necessary.

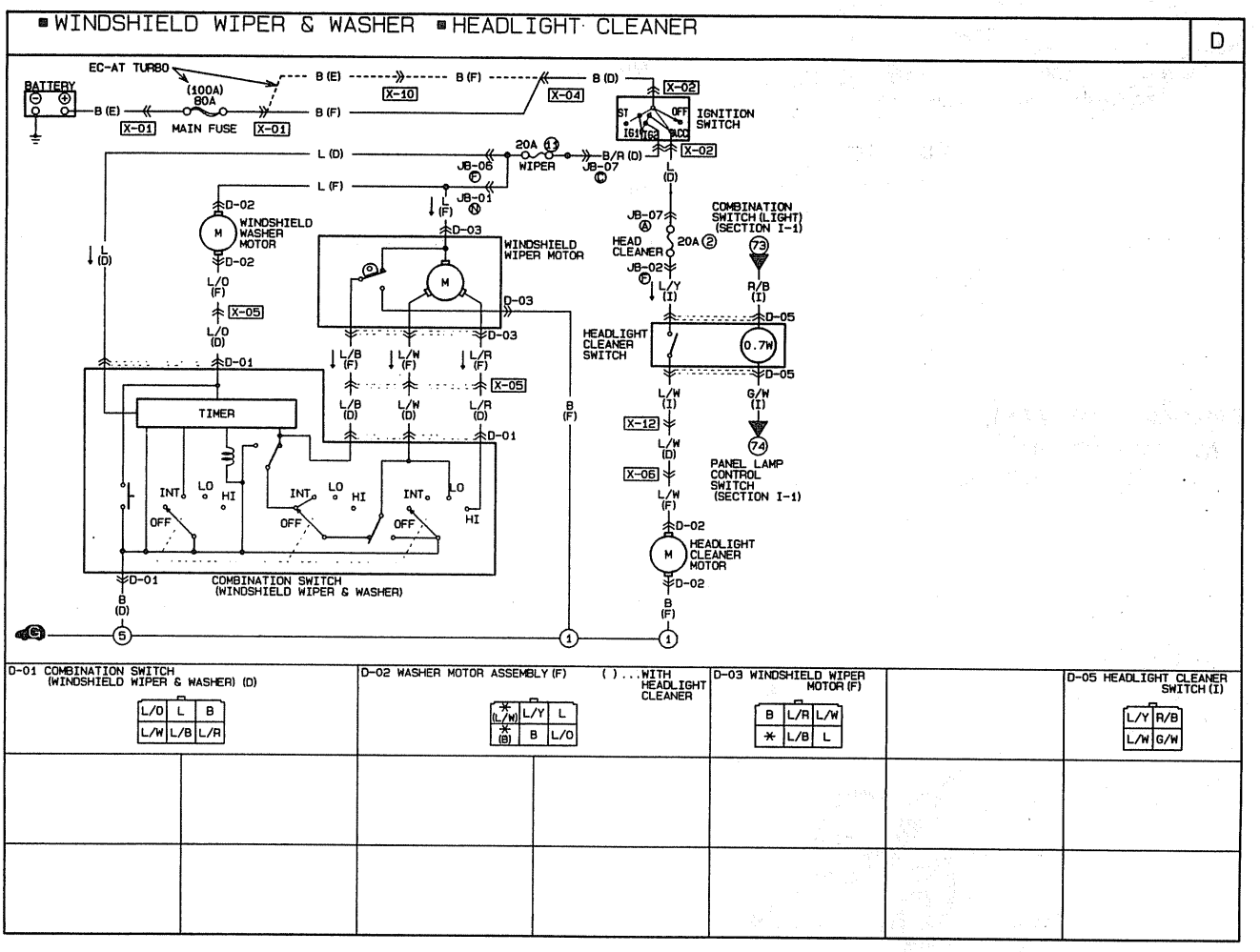


96U14X-082

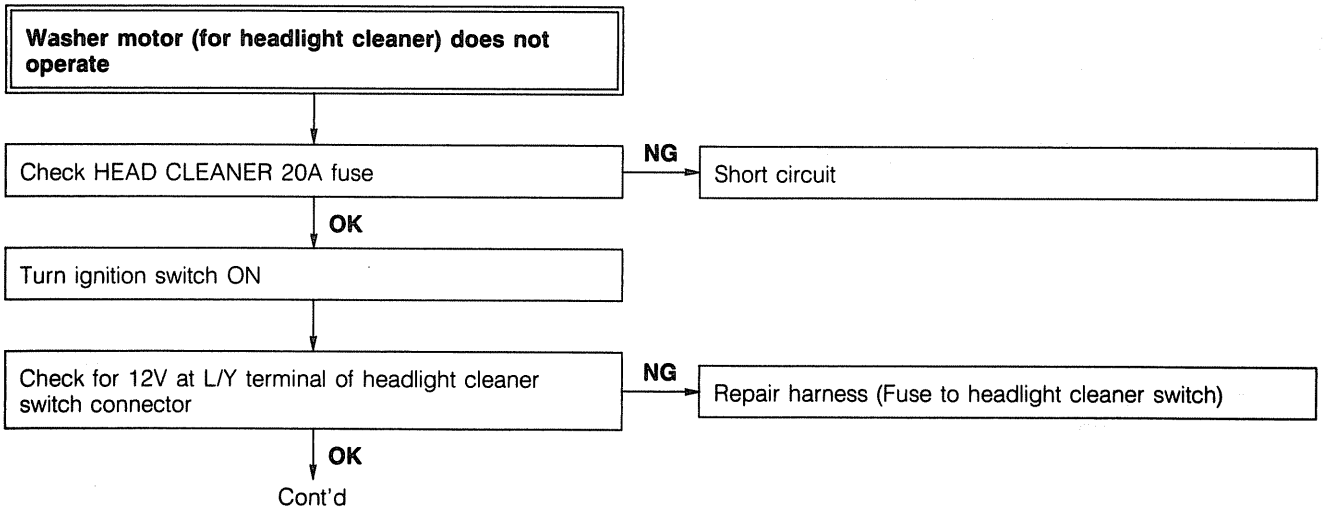
8. Check for water leaks. If a leak is found, wipe the water off well and add **repair seal** (B001 77 739).
9. Install the remaining parts in the reverse order of removal.

HEADLIGHT CLEANER

TROUBLESHOOTING



06U0SX-111



Cont'd

Check headlight cleaner switch (Refer to page S–99) → NG → Repair headlight cleaner switch

OK ↓

Check for 12V at L/W terminal of washer motor connector when headlight cleaner switch ON → NG → Repair harness (headlight cleaner switch to washer motor)

OK ↓

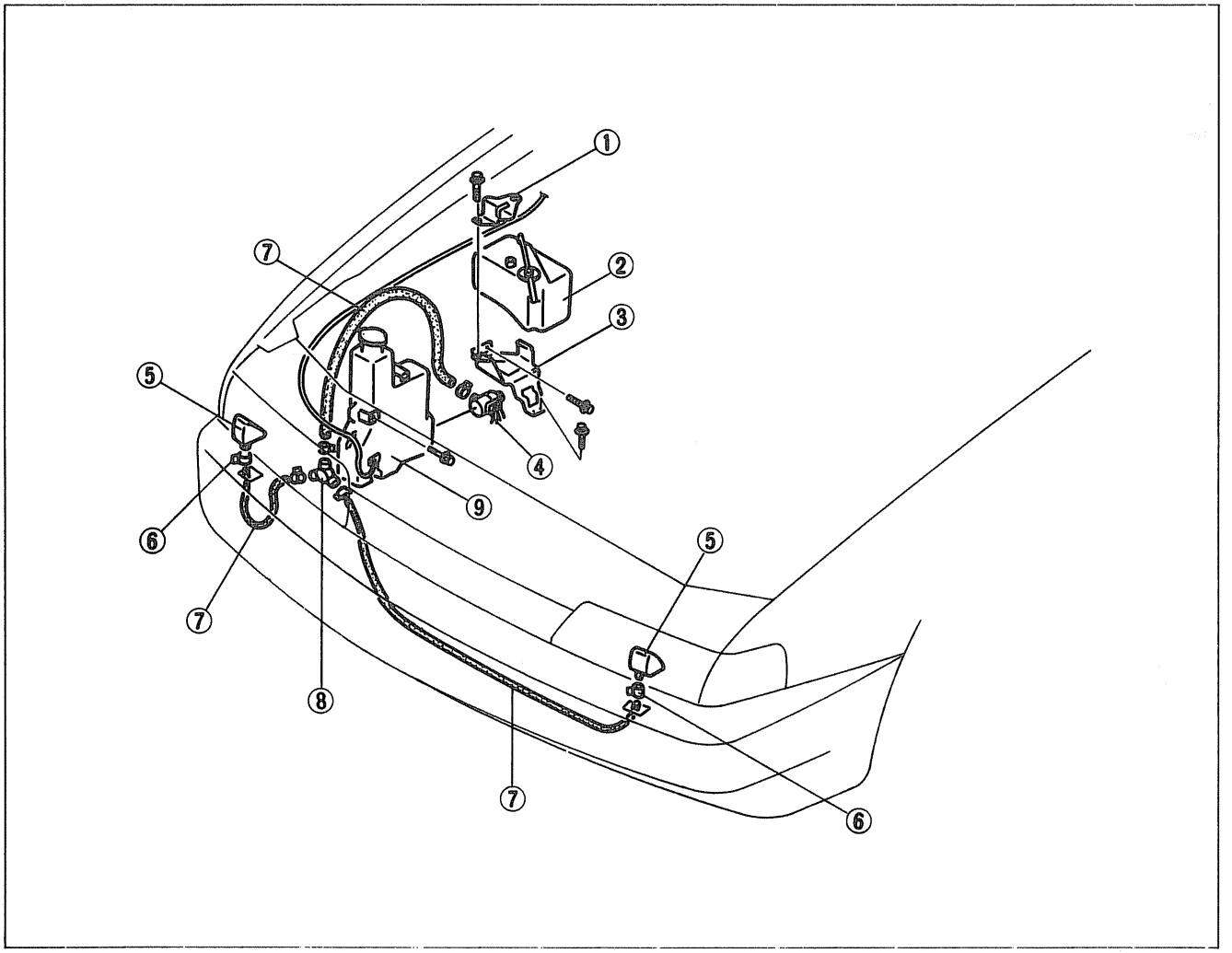
Check for continuity between B terminal and body ground → NG → Repair harness (Washer motor to body ground)

OK → Check washer motor **(Refer to page S–75)**

06U0SX-112

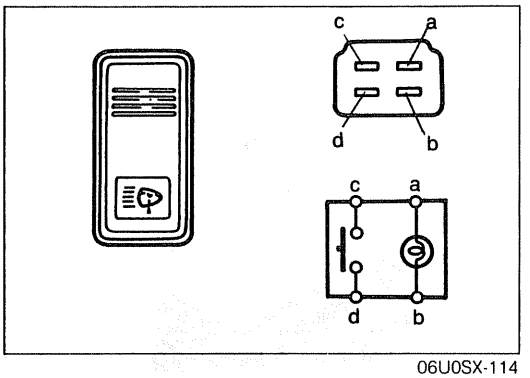
REMOVAL / INSTALLATION

1. Remove in the sequence shown in the figure.
2. Install in the reverse order of removal.

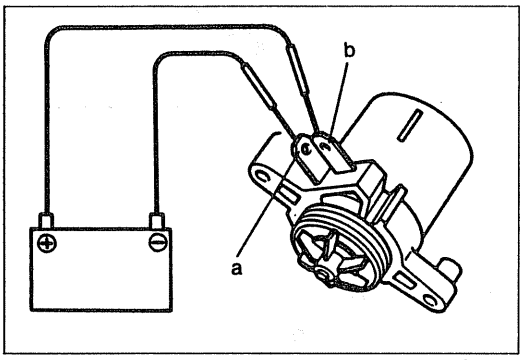


06U0SX-113

1. Bracket
2. Coolant reservoir
3. Bracket
4. Washer motor
   Inspection..... page **S–75**
5. Washer nozzles
6. Clips
7. Hose
8. Joint
9. Washer tank



06U0SX-114



06U0SX-115

HEADLIGHT CLEANER SWITCH

Inspection

1. Check for continuity between the terminals using an ohmmeter.

Position \ Terminal	a	b	c	d
OFF	○—○			
ON	○—○		○	○

○—○: Indicates continuity

2. If continuity is not as specified, replace the switch.

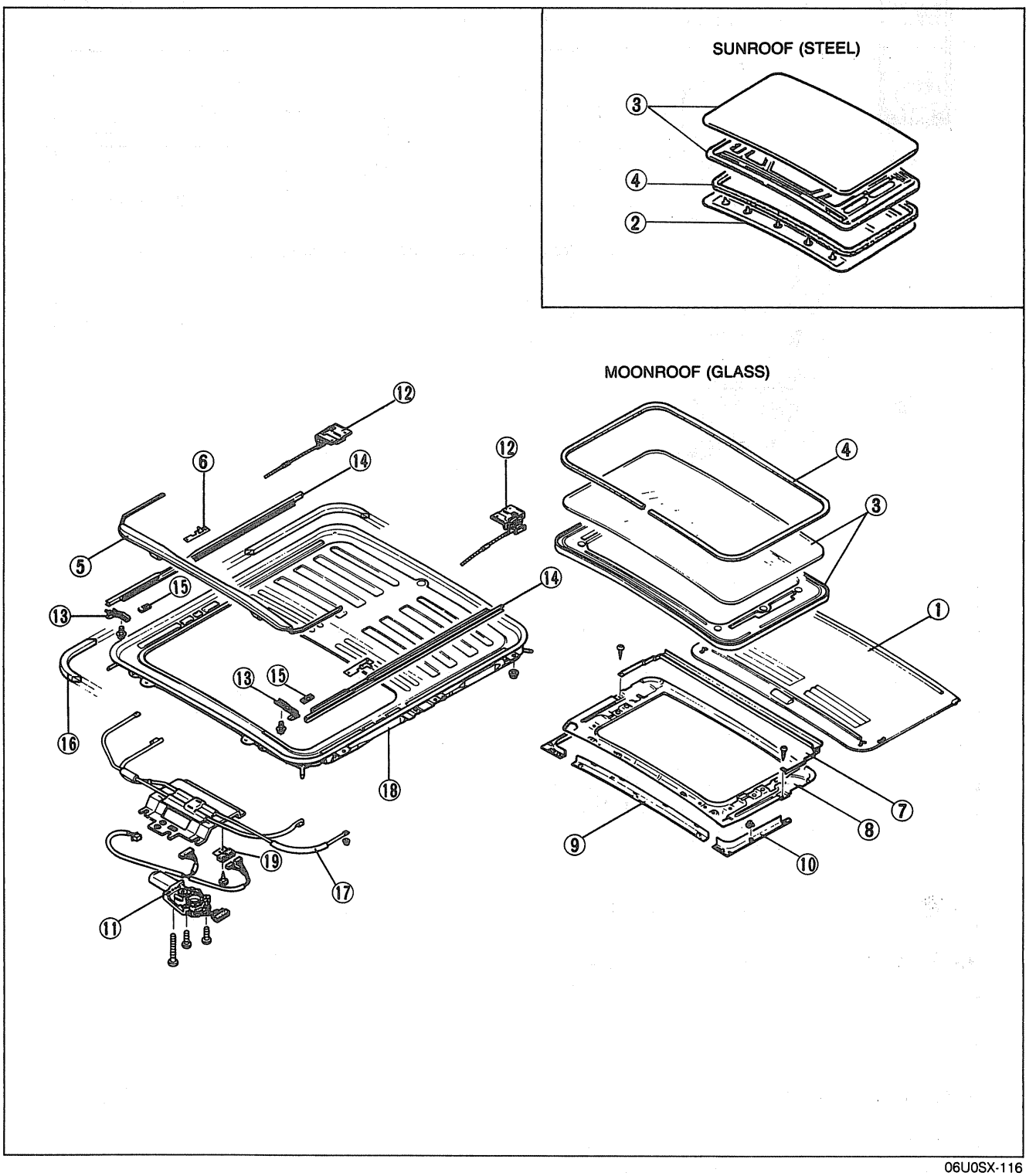
WASHER MOTOR (HEADLIGHT CLEANER)

Inspection

1. Check for continuity of the motor with an ohmmeter.
2. Connect 12V to the "b" terminal and ground the "a" terminal. Verify that the motor operates.

SLIDING SUNROOF

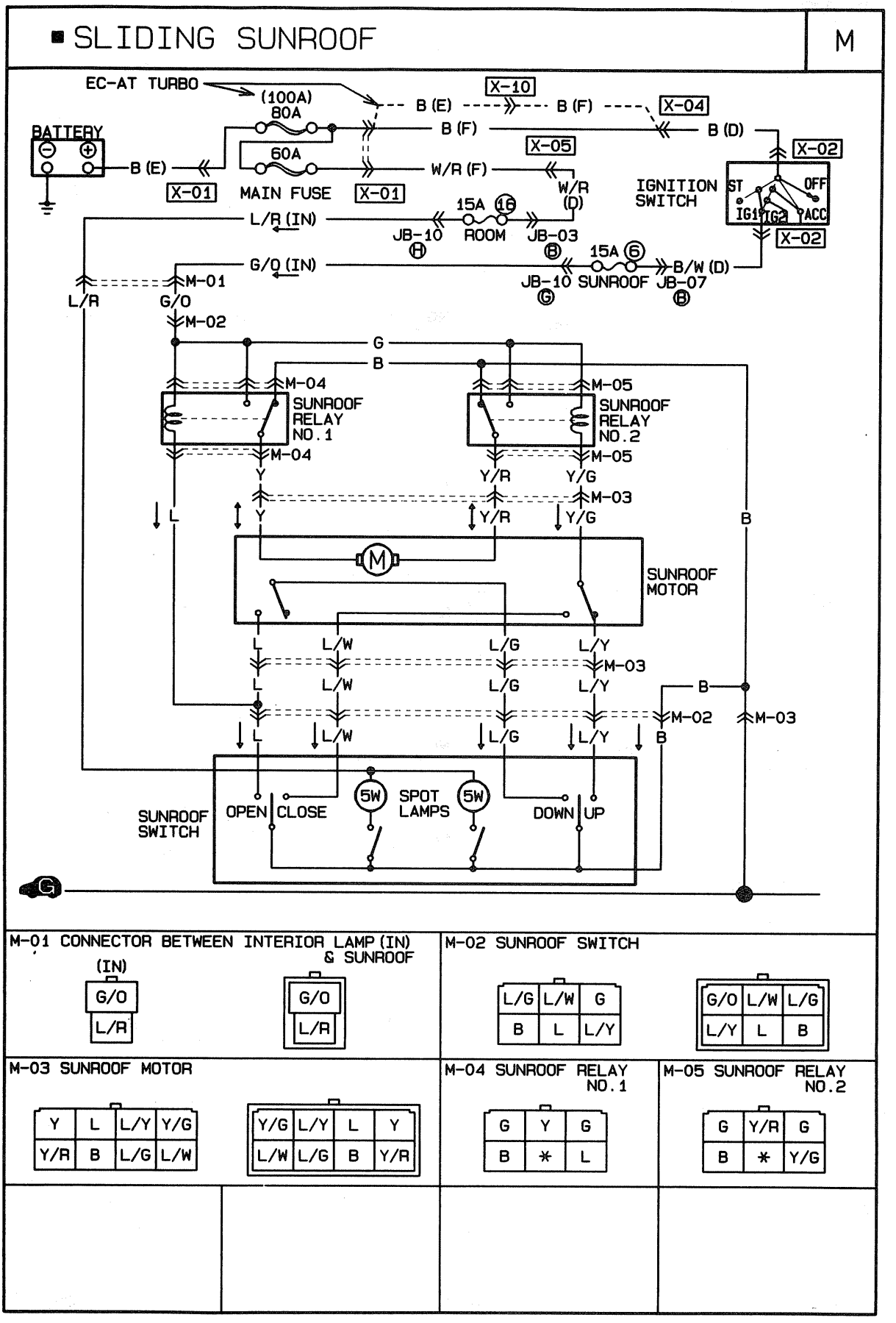
STRUCTURAL VIEW



06U0SX-116

1. Sunshade (Moonroof)
2. Sliding roof trim (Sunroof)
3. Slide panel
4. Weatherstrip
5. Deflector
6. Set plate
7. Drip rail
8. Lower panel
9. Lower panel (Moonroof)
10. Decoration cover (Moonroof)
11. Motor assembly
    Inspection..... page S–79
12. Guide brackets (rear)
13. Guide bracket (front)
14. Guide rails
15. Guide
16. Packing
17. Tube assembly
18. Frame assembly
19. Sunroof relay
    Inspection..... page S–79

TROUBLESHOOTING



M-01 CONNECTOR BETWEEN INTERIOR LAMP (IN) & SUNROOF

M-02 SUNROOF SWITCH

L/G	L/W	G
B	L	L/Y

G/O	L/W	L/G
L/Y	L	B

M-03 SUNROOF MOTOR

Y	L	L/Y	Y/G
Y/R	B	L/G	L/W

Y/G	L/Y	L	Y
L/W	L/G	B	Y/R

M-04 SUNROOF RELAY NO.1

G	Y	G
B	*	L

M-05 SUNROOF RELAY NO.2

G	Y/R	G
B	*	Y/G

Sunroof does not operate correctly

Check SUNROOF 15A fuse

Turn ignition switch ON

Check the voltage at each terminal of the sunroof relay No. 1 and No. 2

Relay	Terminal	Voltage
No. 1	G	12V
	G	12V
	B	0V
No. 2	G	12V
	G	12V
	B	0V

NG → Repair the harness (Fuse box to relay, Relay to body ground)

OK

Check the sunroof relays **(Refer to page S–79)**

NG → Replace the relay(s)

OK

Check the voltage at each terminal of the sunroof motor

Terminal	Voltage
Y	0V
Y/R	0V
Y/G	12V

NG → Repair the harness (Relay to motor)

OK

Check the sunroof motor and limit switch (Refer to page S–103)

NG → Replace the motor or limit switch

OK

Check for 12V at L terminal of the sunroof motor connector

NG → Repair the harness (Relay to motor)

OK

Check the voltage at each terminal of the sunroof switch connector as shown

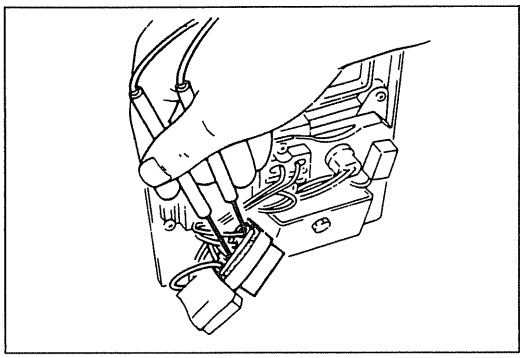
Terminal	Roof condition	Voltage
L	Close	12V
L/Y		12V
L/G	Open	12V
L/W	Tilt-up	12V
L/R	Constant	12V
B		0V

NG → Repair the harness (Motor to switch, Fuse box to switch, Switch to body ground)

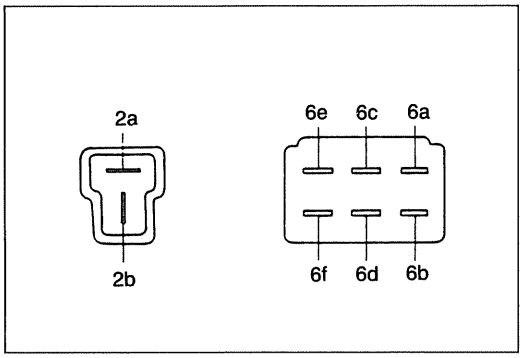
OK

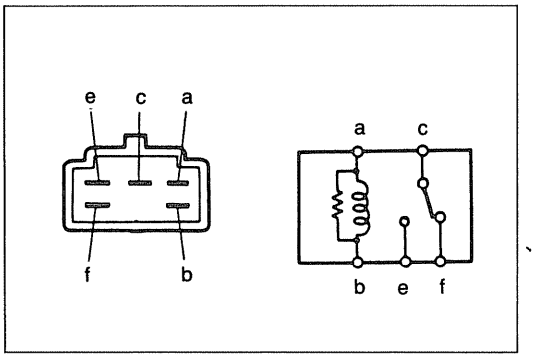
Check the sunroof switch. Replace if necessary **(Refer to page S–79)**

06U0SX-118

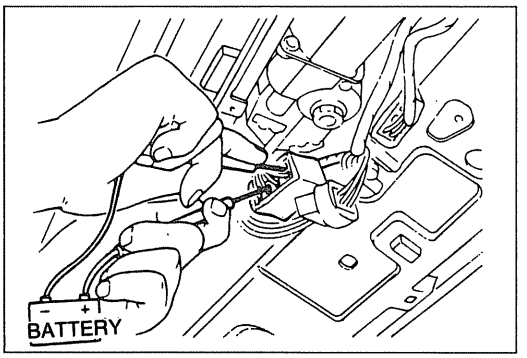


96U15X-192

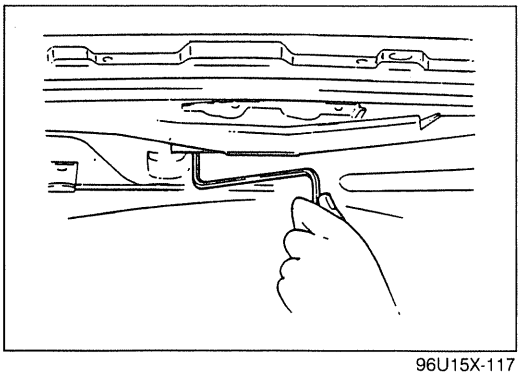




96U15X-115



96U15X-116



96U15X-117

INSPECTION

Switch

Use an ohmmeter to check the continuity of the terminals of the switch.
If continuity is not as indicated, replace the switch.

Position \ Terminal		2a	2b	6a	6b	6c	6d	6e	6f
OFF		○——		——○					
Slide SW	OPEN						○	——	○
	CLOSE					○	——		○
Tilt SW	UP				○	——			○
	DOWN							○	—○

○—○: Indicates continuity

Relay

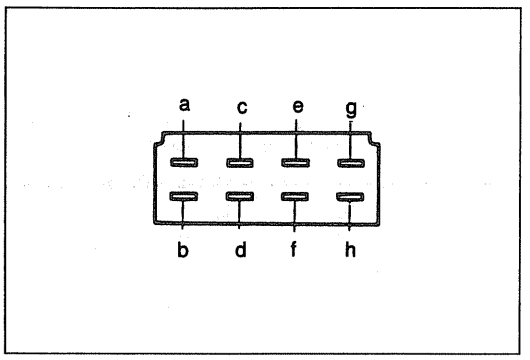
1. Check for continuity between terminals a—b and c—f.
2. Apply 12V to terminal a.
3. Ground terminal b.
4. Check for continuity between terminals c—e.
5. If not correct, replace the relay.

Motor

1. Disconnect the motor connector terminal-wire (Y/R).
2. Apply 12V to Y/R and ground terminal-wire (Y).
3. Check that motor turns from tilt-up, to closed, to open position.
4. Reverse the connections and check that the motor turns from open, to closed, to tilt-up position.

Limit Switch

1. Use emergency handle furnished in the glove box to set the sunroof in the positions shown.



96U15X-118

2. Use an ohmmeter to check the continuity of the terminals of the switch.

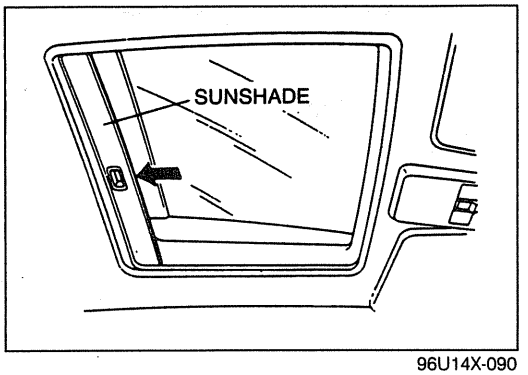
SW	LS1		LS2		
Terminal/color / Roof condition	e	d	a	b	c
	L	L/G	Y/G	L/W	L/Y
Open			○—○		
Close			○		○
Tilt-up	○—○		○		○

○—○: Indicates continuity

REMOVAL

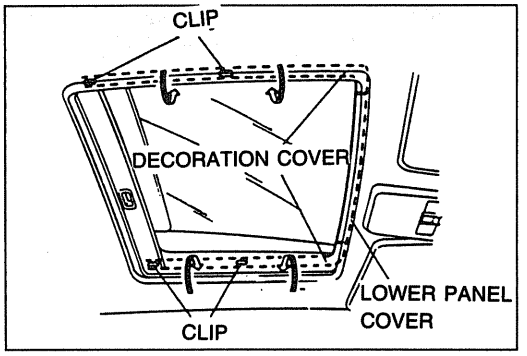
Note
- **Steps 1—10 are removal procedures for moonroof only.**
- **Steps 11—15 are removal procedures for sunroof only.**

96U14X-089



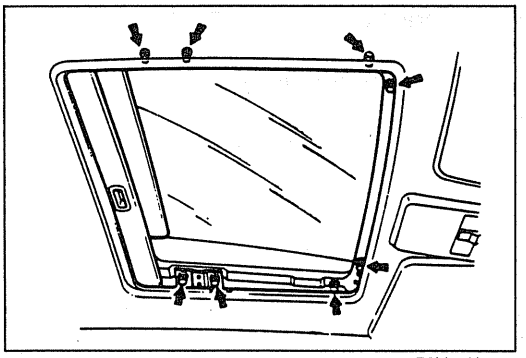
96U14X-090

1. Slide the sunshade all the way to the rear.
2. Fully close the sliding panel.



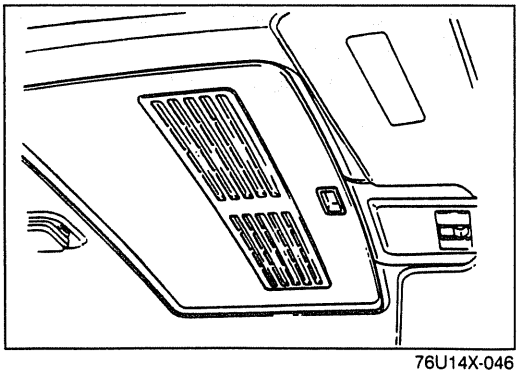
96U14X-091

3. Remove the left and right decoration covers and lower panel cover.



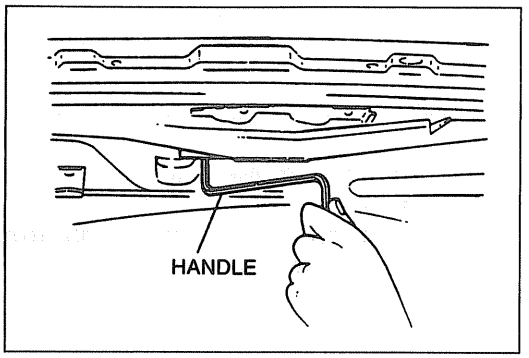
76U14X-045

4. Remove the installation nuts for the sliding panel and lower panel.
5. Remove the sliding panel by pushing it upward from inside the vehicle.



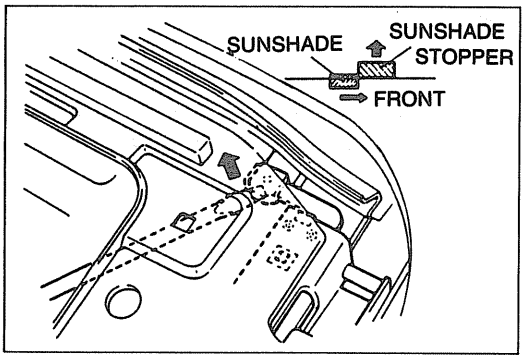
76U14X-046

6. Fully close the sunshade.



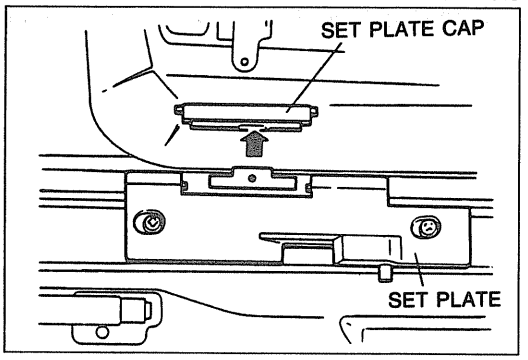
76U14X-047

7. Turn the handle and move the sunshade **5—10mm (0.19—0.39 in)** to the rear.



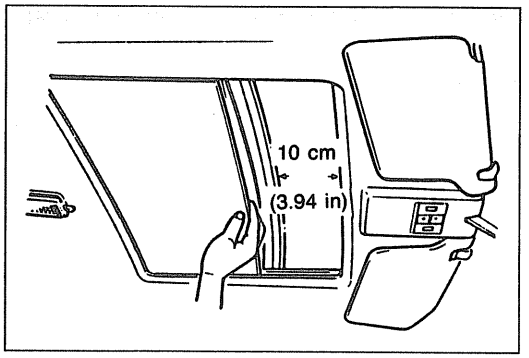
76U14X-048

8. Use a flat-tip screwdriver to lift the sunshade stopper at the rear of the cable holder, then release the stopper and move the sunshade toward the front.
9. Turn the handle to fully open the lower panel. (Leave the sunshade fully closed.)



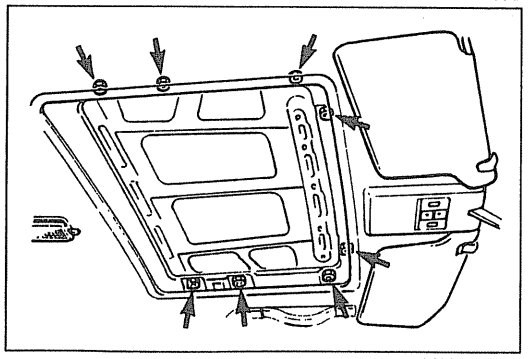
76U14X-049

10. Open the sunshade halfway and remove the set plate cap. Pull out the sunshade from the notch of the set plate.



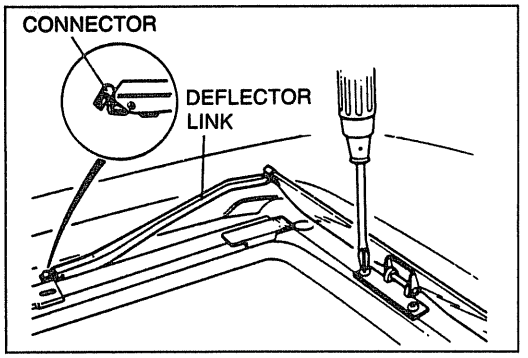
96U14X-092

11. Open the slide panel **about 10 cm (3.94 in)**.
12. Remove the sliding roof trim.
    (1) Pull down the front to detach faster.
    (2) Pull the trim forward.
    (3) Remove the trim lifting it up, out of the vehicle.



96U14X-093

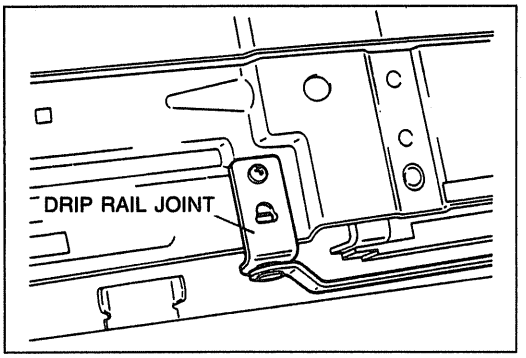
13. Close the slide panel fully, and remove the installation nuts for the slide panel and lower panel.
14. Remove the slide panel by pushing it upward.
15. Open the lower panel halfway.



96U14X-094

16. Use a flat-tip screwdriver to pry up the connector at the rear of the deflector link, being careful not to scratch it, and remove the deflector link.
17. Remove the screws and remove the deflector.

Note
- **Because force is applied to the deflector by the spring in the direction of opening, hold so that the deflector doesn't contact the roof panel, then pull out the deflector link.**

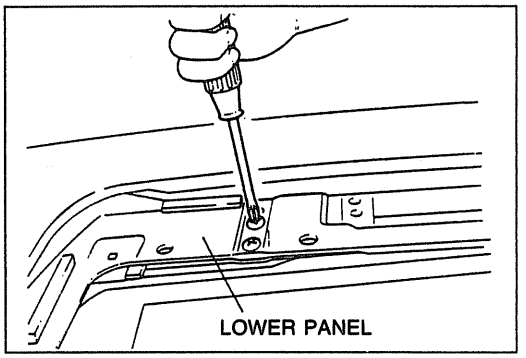


96U14X-095

18. Completely close the lower panel.

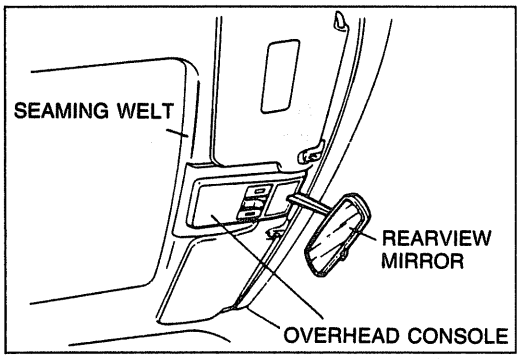
Note
- **Because the lower panel will move forward out of place, turn the motor using the handle while pushing to the rear to close fully.**

19. After removing the screw and the drip rail joint link, push the drip rail backward and inward.



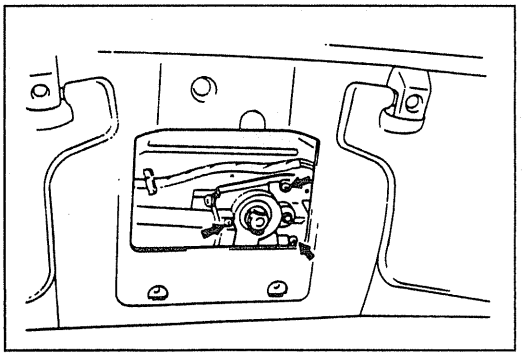
96U14X-096

20. After removing the installation screw of the guide bracket assembly (rear), remove the right side of the guide (front).
21. Remove the lower panel.

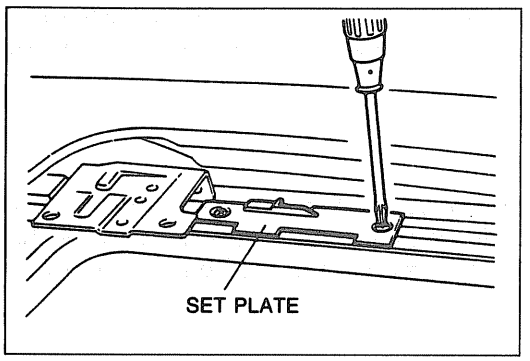


96U14X-097

22. Remove the rearview mirror, overhead console, and seaming welt.

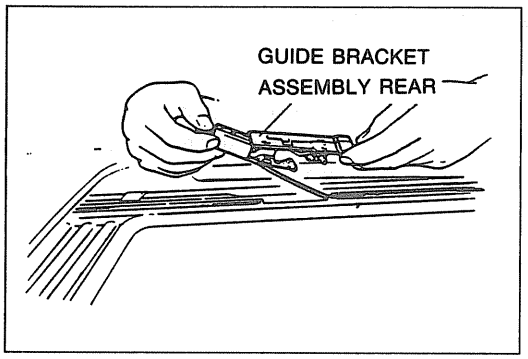

16U0SX-014

23. Remove the screws, remove the motor and disconnect the harness connector.



96U14X-099

24. Push the rear guide bracket backward and downward about **10 cm (3.94 in)**.
25. Remove the screw and the set plate.



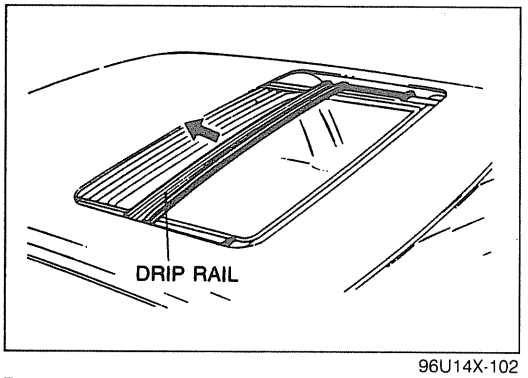
96U14X-100

26. Move the rear guide bracket all the way forward, and pull out while lifting from the rear.
27. Move the drip rail forward, then pull out from the notch of the guide rail.

INSTALLATION

Note
- **Steps 16, 17, 22 are installation procedures for moonroof only.**
- **Steps 23, 24 are installation procedures for sunroof only.**

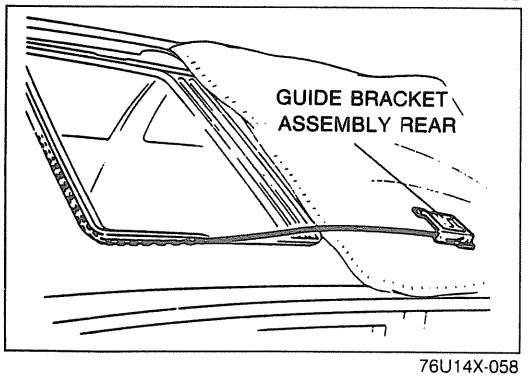
96U14X-101



96U14X-102

1. Insert the drip rail.

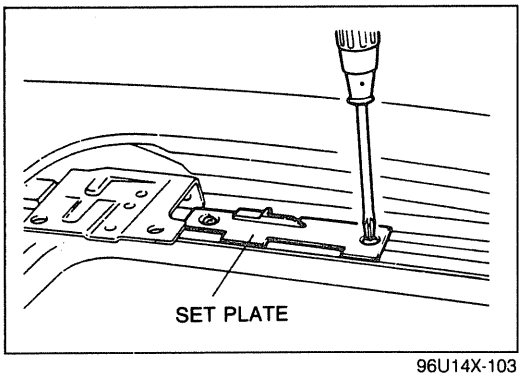
Note
- **Paying attention to the direction of the rail, push in from the open part to the position where it is not visible.**



76U14X-058

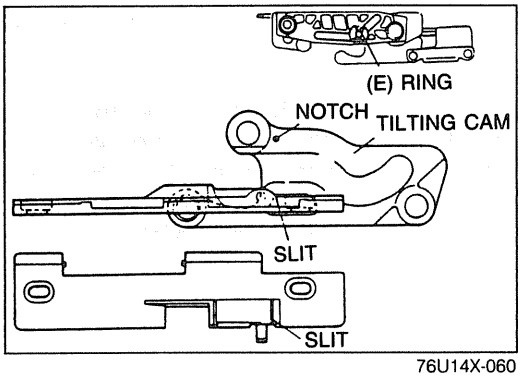
2. Insert the drive cable into the tube.

Note
- **Apply a liberal coat of grease to the drive cable and the sliding part of the guide bracket assembly (rear), then push the cable all the way forward.**



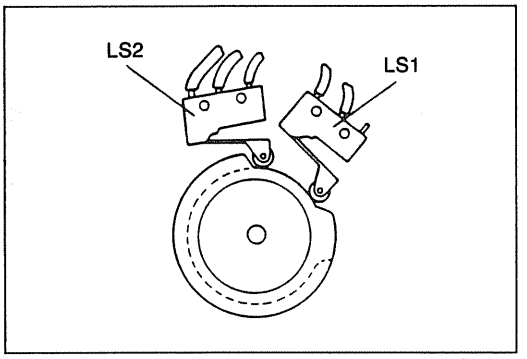
96U14X-103

3. After moving the guide bracket assembly slightly toward the rear, tighten the screws, taking care regarding the direction the set plate faces.



76U14X-060

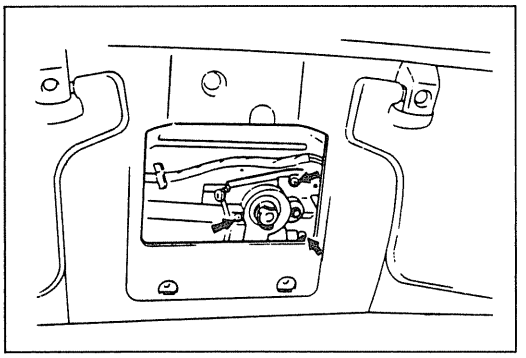
4. Align the projection of the tilting cam and the slit in the set plate.



16U0SX-015

5. Check that the limit switches (LS1 and LS2) of the motor are as shown in the figure at the OFF position.

Note
- **Verify the position of the cam.**
- **Use the handle to position it correctly.**

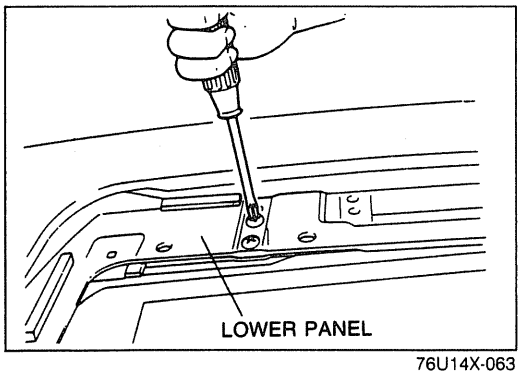


76U14X-062

6. Install the motor assembly.

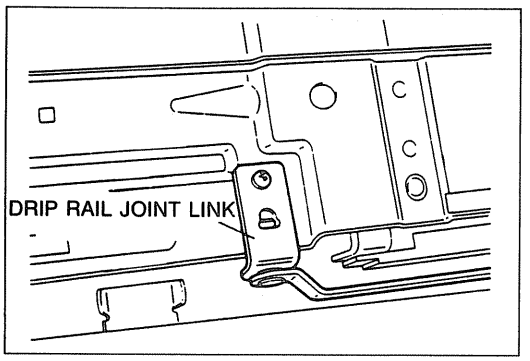
Note
- **There are 2 types of screws, long and short. Be sure to use the correct ones.**

7. Connect the wiring of the motor assembly and the motor switch.



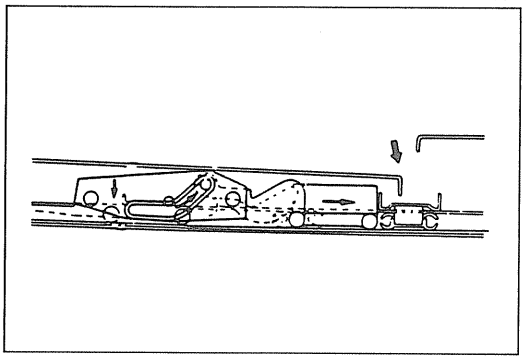
76U14X-063

8. Install the lower panel and tighten the screws.
9. Install the guide front and tighten the screws.



76U14X-064

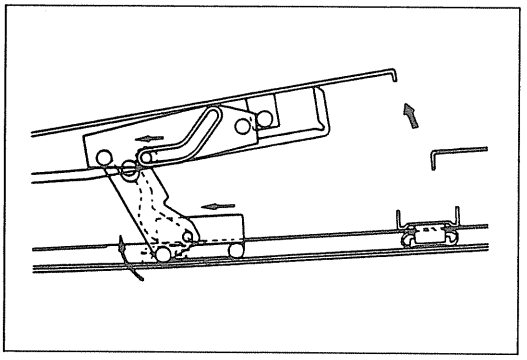
10. Pull out the drip rail from the rear, and secure the link by the screw.



76U14X-065

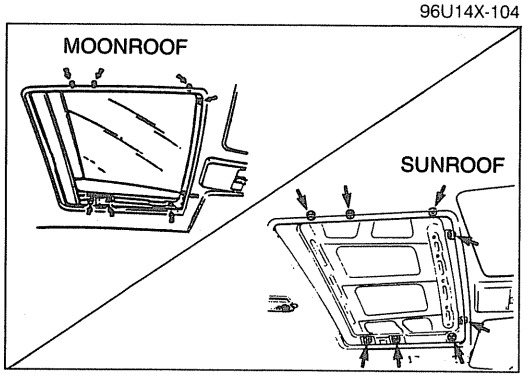
11. Using the handle turn the motor to fully open the lower panel.

Note
- **Because the roof panel and lower panel might interfere with each other when the lower panel is opened, check as shown in the figure, that the guide roller is completely fitted into the guide rail.**
- **Turn the motor while pushing the cable.**



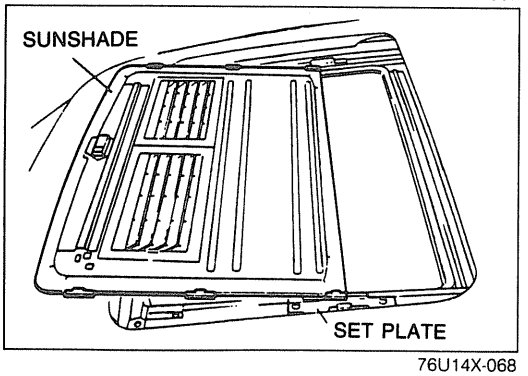
96U14X-104

12. Secure the deflector by tightening the screws, and then install the deflector link.
13. Turn the motor using the handle, and visually check the sliding, tilt-down and tilt-up operations.



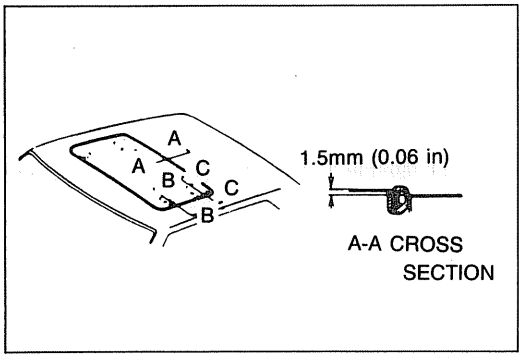
76U14X-067

14. Fully close the lower panel.
15. Install the slide panel to the lower panel, and tighten securely.



76U14X-068

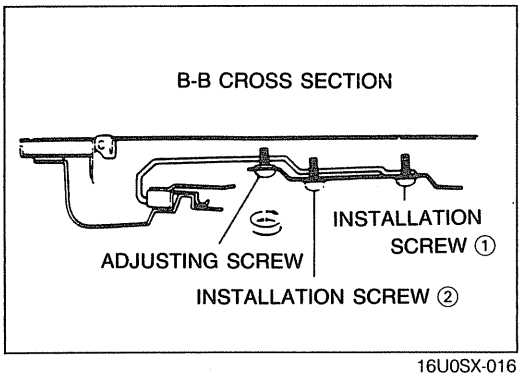
16. Insert the sunshade from the notch in the set plate, and push it all the way back.
17. Insert the set plate cap.



96U14X-105

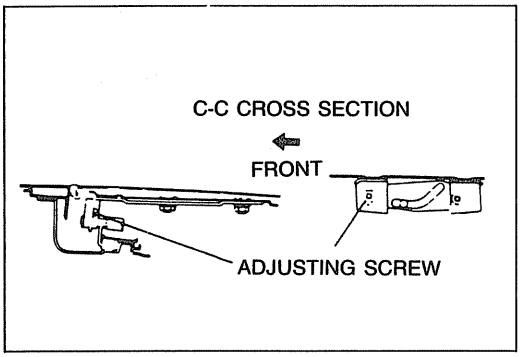
18. Adjust the height of the slide panel.

(Cross-section A-A)
Adjust so that the height difference between the slide panel and roof panel is **1.5mm (0.06 in) max**.



16U0SX-016

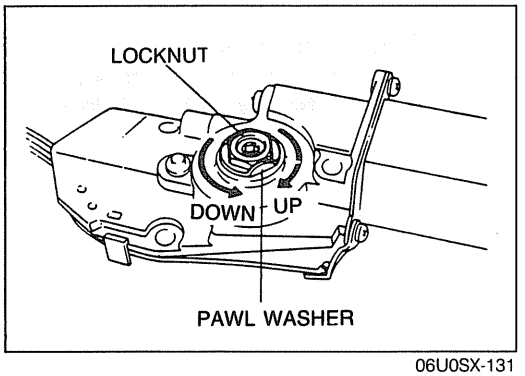
(Cross-section B-B adjustment)
(1) Loosen installation screws (1) and (2).
If the adjustment is only about **2mm (0.08 in)** don't loosen screw (1).
(2) Turn the screws to adjust.
Turning to the right raises, to the left lowers.
(3) Tighten installation screws (1) and (2).



96U14X-106

(Cross-section C-C adjustment)
(1) Loosen the adjusting screw.
(2) Adjust by moving the slide panel from the inside or outside.
(3) Tighten the adjusting screw.

19. Uncrimp the pawl washer and loosen the locknut as shown in the figure, then adjust the torque.

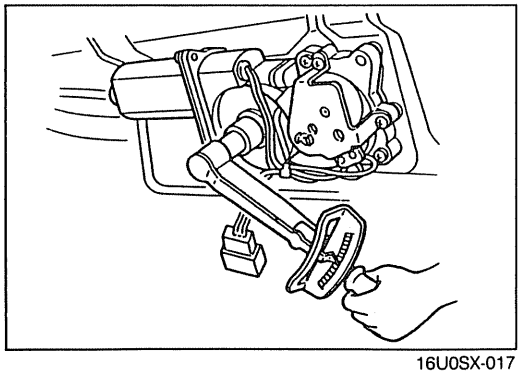


06U0SX-131

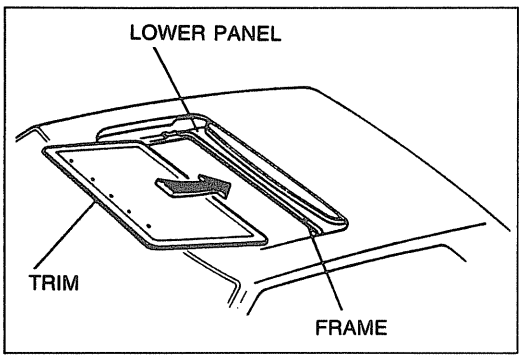
20. Install the torque wrench to the locknut.

Tightening torque:
2.9—3.9 N·m (30—40 cm-kg, 26—35 in-lb)

Caution
- **After adjustment, be sure to lock the nut with the pawl washer.**



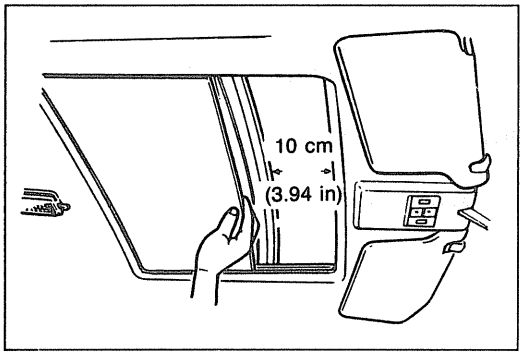
16U0SX-017



96U14X-109

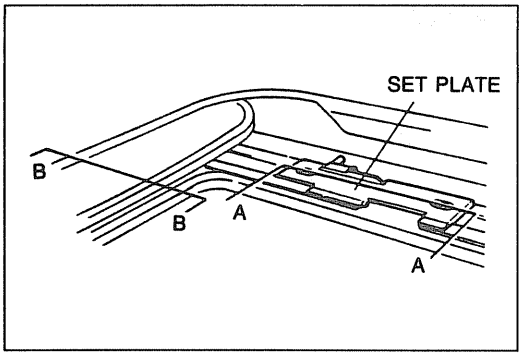
21. Fit in the trim.
    Push the inner trim from above, all the way in between the frame and lower panel.

Caution
- **Be careful not to scratch the surface of the trim on the edge of the guide rail or rail cover.**



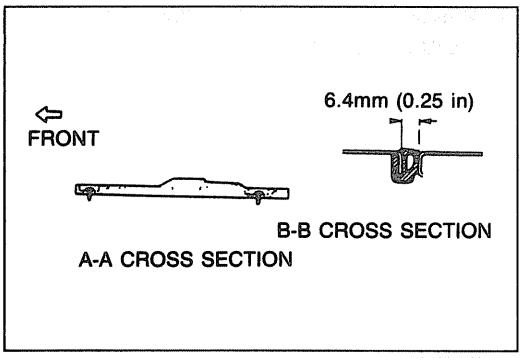
96U14X-110

22. Open the slide panel about **10 cm (3.94 in)** and install the trim.
23. Install the surrounding front parts.



96U14X-111

24. After installation is completed, check the operation.
    (1) Is the battery voltage correct?
    (2) Is there any foreign material on the sliding parts?
    (3) When the slide panel is opened, does the roof panel interfere with the rear part? If so, open the slide panel fully and move the set plate forward.

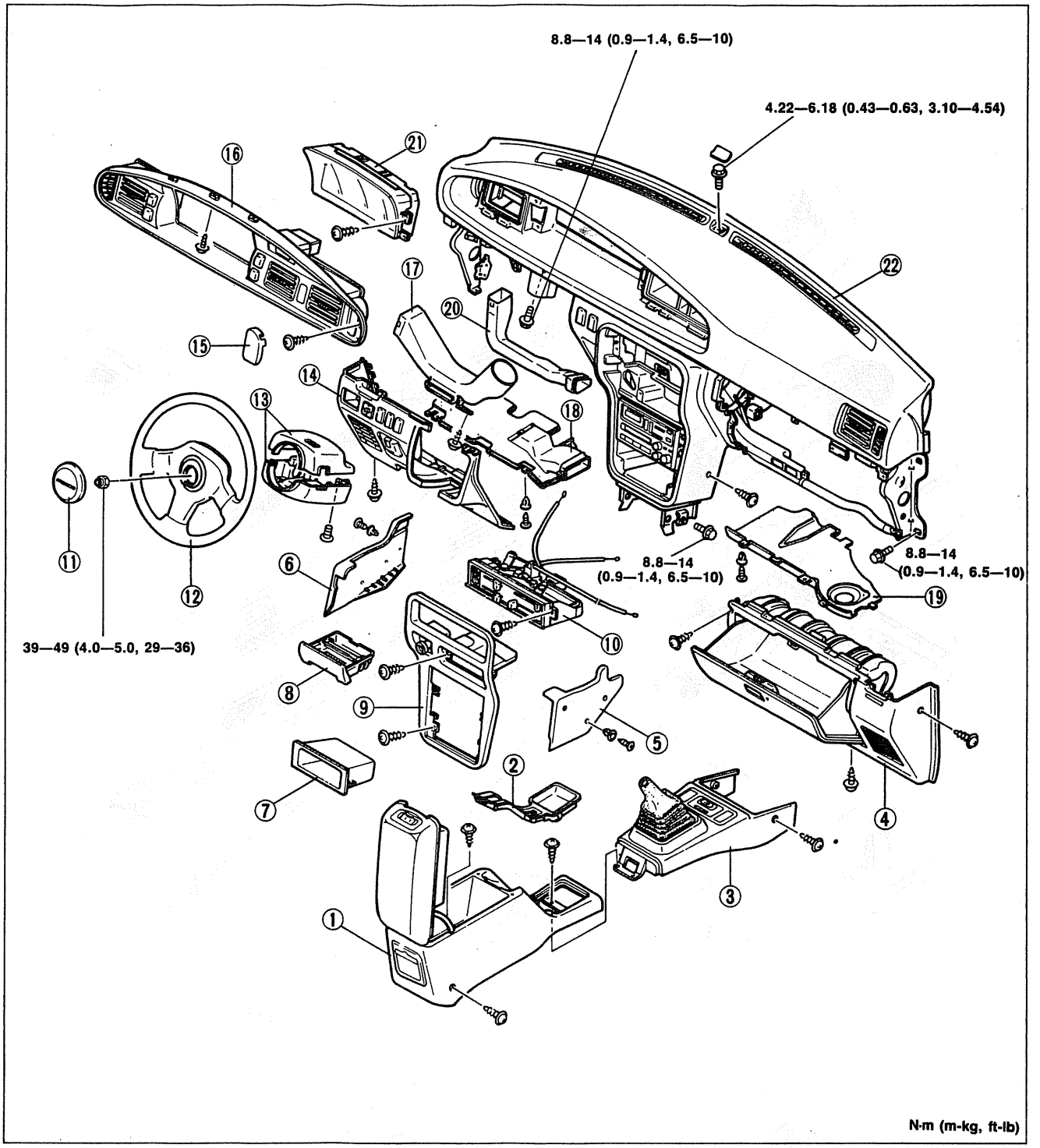


96U14X-112

Caution
- **If the stopper is moved too far forward, there might be a malfunction or leaking. Do not leave a gap of more than 6.4mm (0.25 in) between the slide panel and roof panel.**

INSTRUMENT PANEL

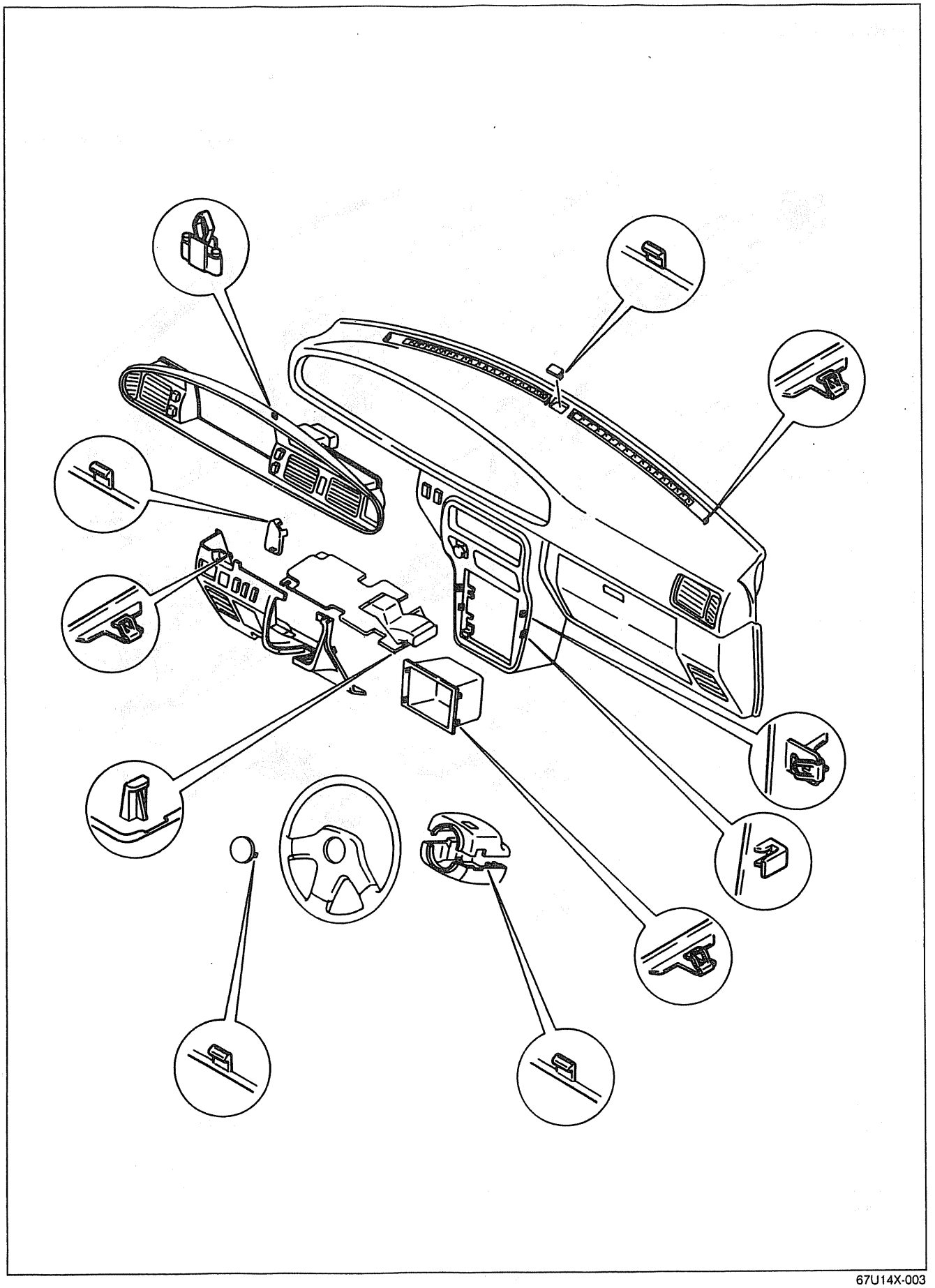
STRUCTURAL VIEW



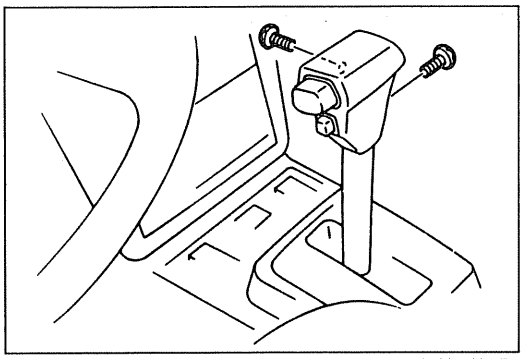
86U14X-174

1. Rear console
2. Upper plate
3. Front console
4. Glove compartment
5. Side cover
6. Side cover
7. Box
8. Ashtray
9. Center panel
10. Heater control assembly
11. Steering wheel ornament
12. Steering wheel
13. Column cover
14. Switch panel
15. Cap
16. Meter hood
17. Duct
18. Duct and under cover
19. Under cover
20. Duct
21. Meter assembly
22. Instrument panel

INSTALLATION VIEW



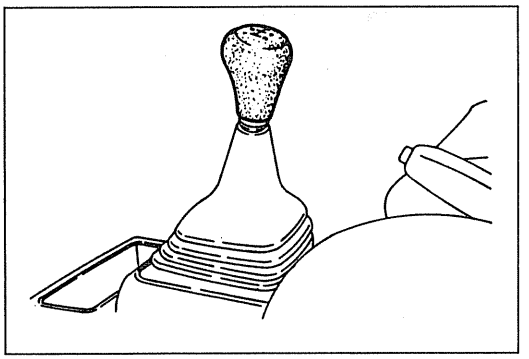
67U14X-003



86U14X-175

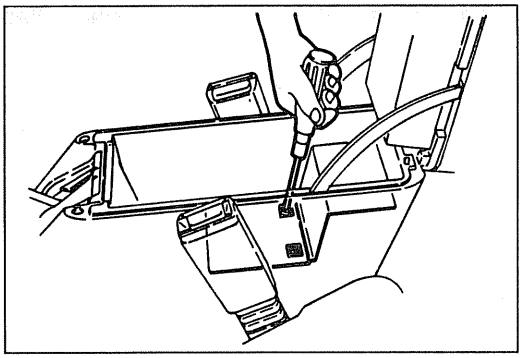
REMOVAL

1. Remove the screws and remove the shift lever knob (ATX).



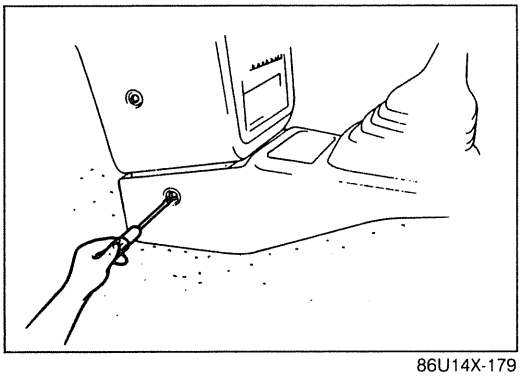
86U14X-176

2. Remove the shift lever knob (MTX).



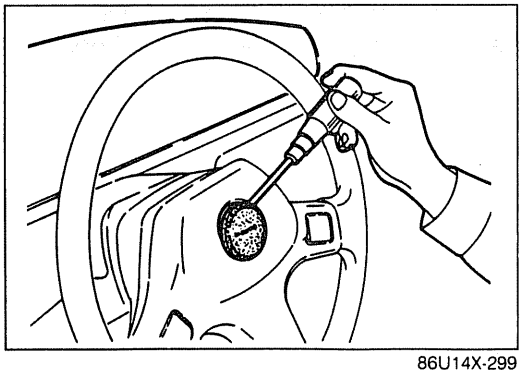
86U14X-178

3. Remove the rear console mounting screws.
4. Pull the console rearward and remove it.



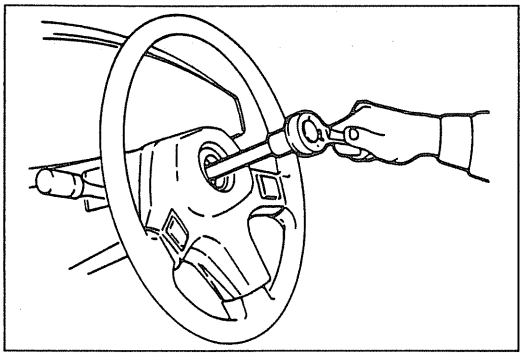
86U14X-179

5. Remove the front console mounting screws.



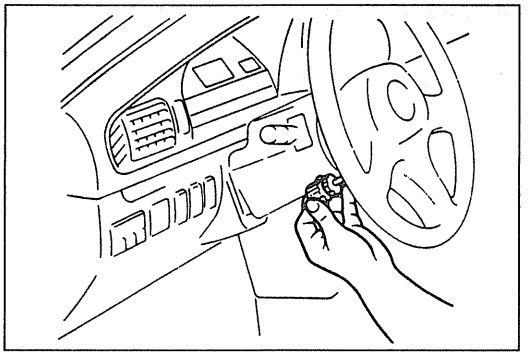
86U14X-299

6. Remove the steering wheel ornament.



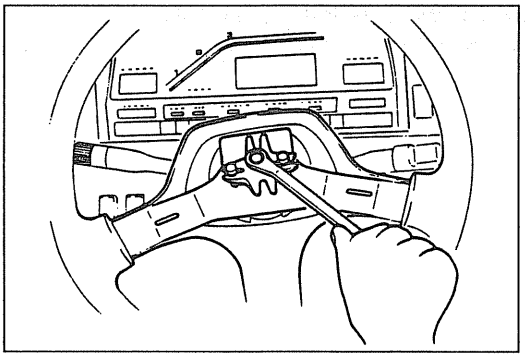
86U14X-180

7. Remove the steering wheel mounting nut.



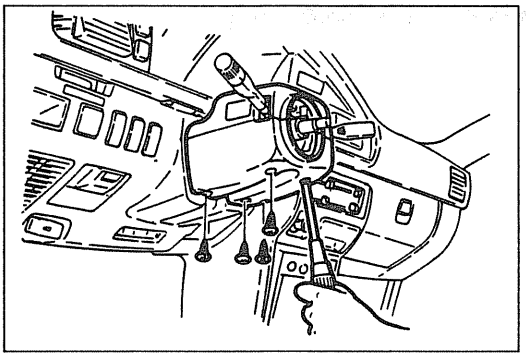
86U14X-181

8. Remove the screws and the steering wheel cap.



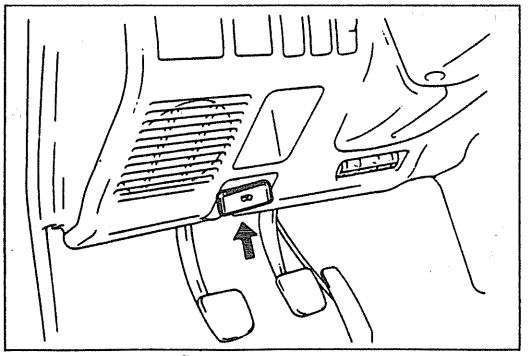
86U14X-182

9. Remove the steering wheel with a steering wheel puller.



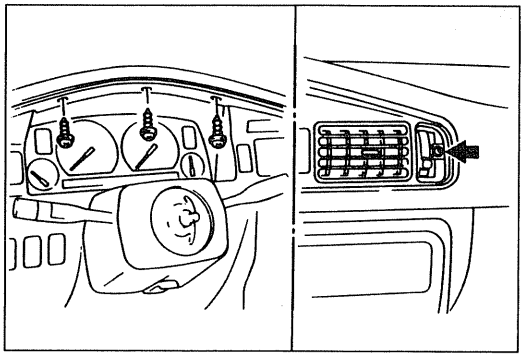
86U14X-183

10. Remove the screws and remove the column covers (upper and lower).



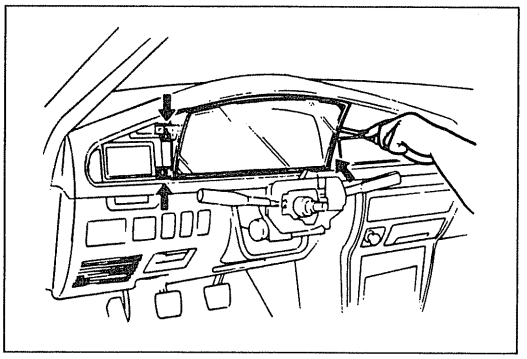
86U14X-184

11. Remove the screws and remove the under cover. Loosen the nut and remove the hood release knob.



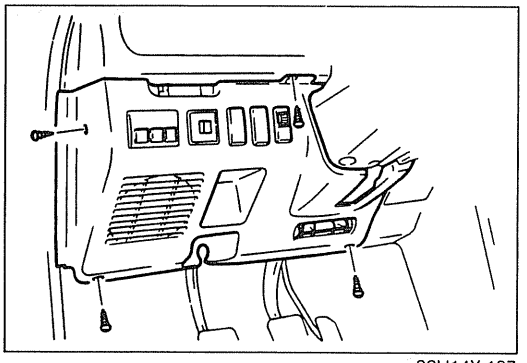
86U14X-185

12. Remove the screws and pull out the meter hood.
13. Disconnect the connectors and remove the meter hood.



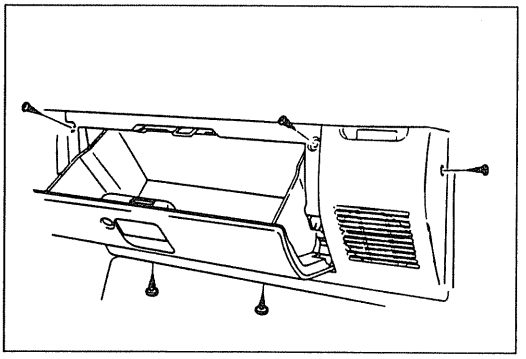
96U14X-087

14. Remove the screws and pull the meter assembly outward.
15. Disconnect the speedometer cable at the speedometer.
16. Disconnect the meter connectors.
17. Remove the meter assembly.



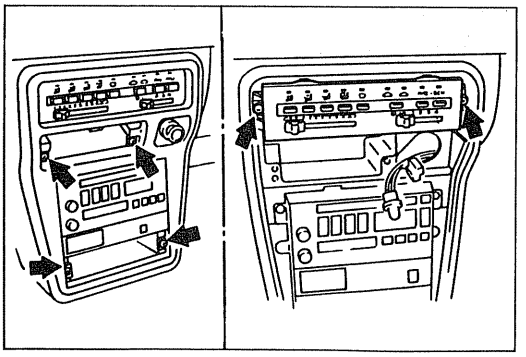
86U14X-187

18. Remove the screws and pull the panel outward.
19. Disconnect the connectors and remove the switch panel.



86U14X-188

20. Remove the screws and remove the glove box.
21. Disconnect the glove box light connector.

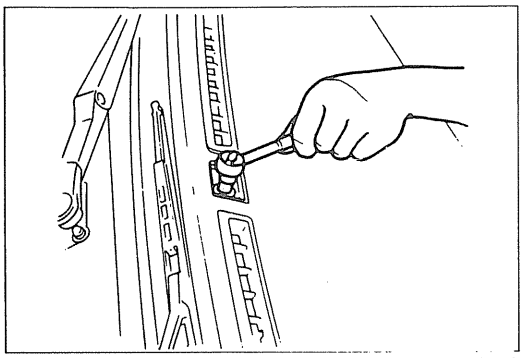


86U14X-189

22. Remove the center panel.
23. Remove the screws and slide out the heater control assembly.
24. Disconnect the control wires at the DEF, MAX—COLD and REC positions (lever type control).

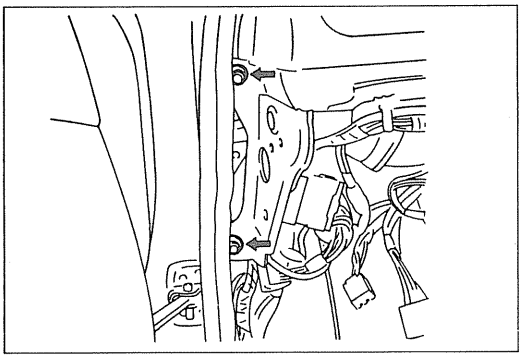
Note

- **Disconnect the connectors at the rear of the control (Logicon type).**



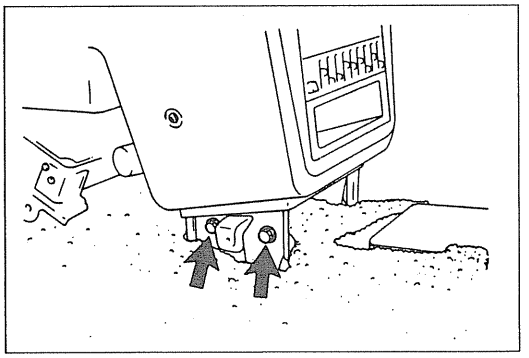
86U14X-190

25. Remove the center cap.
26. Remove the instrument panel mounting bolt.



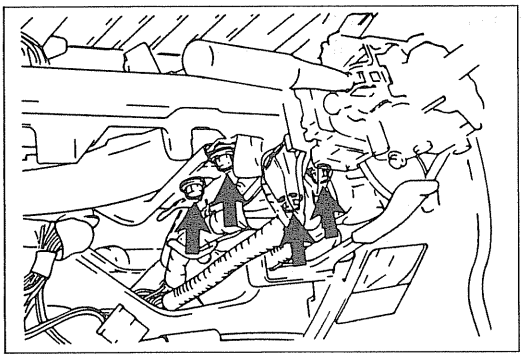
86U14X-191

27. Remove the instrument panel side mounting bolts.



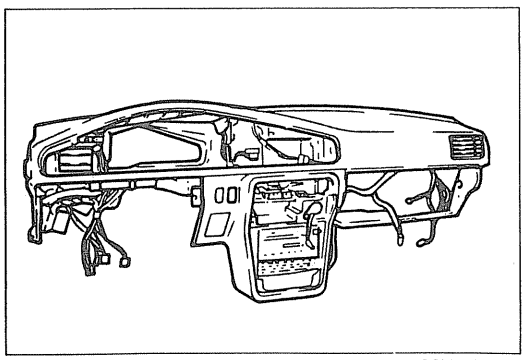
86U14X-192

28. Remove the instrument panel center bracket mounting bolts.



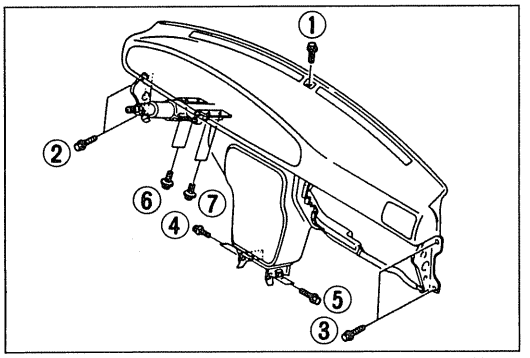
86U14X-193

29. Remove the steering shaft mounting bolts.

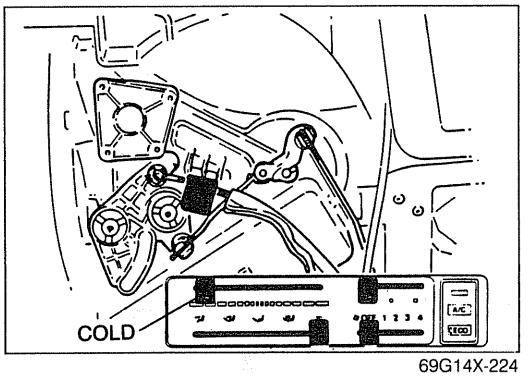


86U14X-194

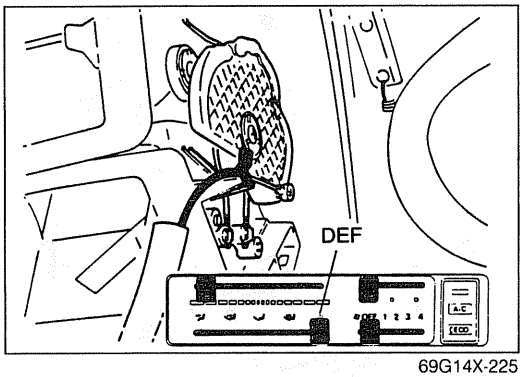
30. Disconnect the dash harness connectors.
31. Remove the instrument panel.



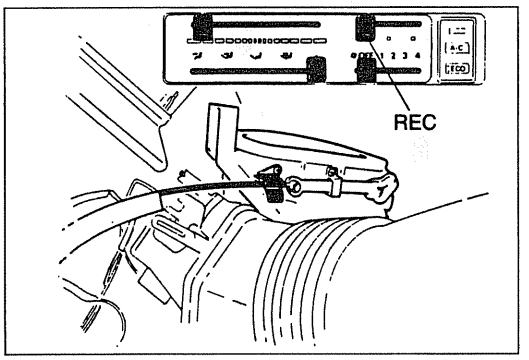
86U14X-195



69G14X-224



69G14X-225



69G14X-226

INSTALLATION

Install in the reverse order of removal, noting the following.

1. Tightening torque:

Bolt \ Torque	N·m (m-kg, ft-lb)
①	4.22—6.18 (0.43—0.63, 3.10—4.54)
② ③	8.8—14 (0.9—1.4, 6.5—10)
④ ⑤	8.8—14 (0.9—1.4, 6.5—10)
⑥ ⑦	8.8—14 (0.9—1.4, 6.5—10)
Steering wheel	39—49 (4.0—5.0, 29—36)

2. Air-mix door control wire

a. Set TEMP lever at MAX—COLD position.
b. Connect the control wire and clamp it with the shutter lever on the heater unit all the way to the right side.

Caution

- **Move the temperature control lever to check that the wire is secured. Also, check that it moves the full stroke between HOT and COLD.**

3. Mode control wire

a. Set MODE control lever to DEF position.
b. Connect the control wire and clamp it with the shutter lever on the heater unit at its closest point.

Caution

- **Move the mode lever to check that the wire is secured. Also, check that it moves the full stroke between DEF and VENT.**

4. REC-FRESH air selector wire

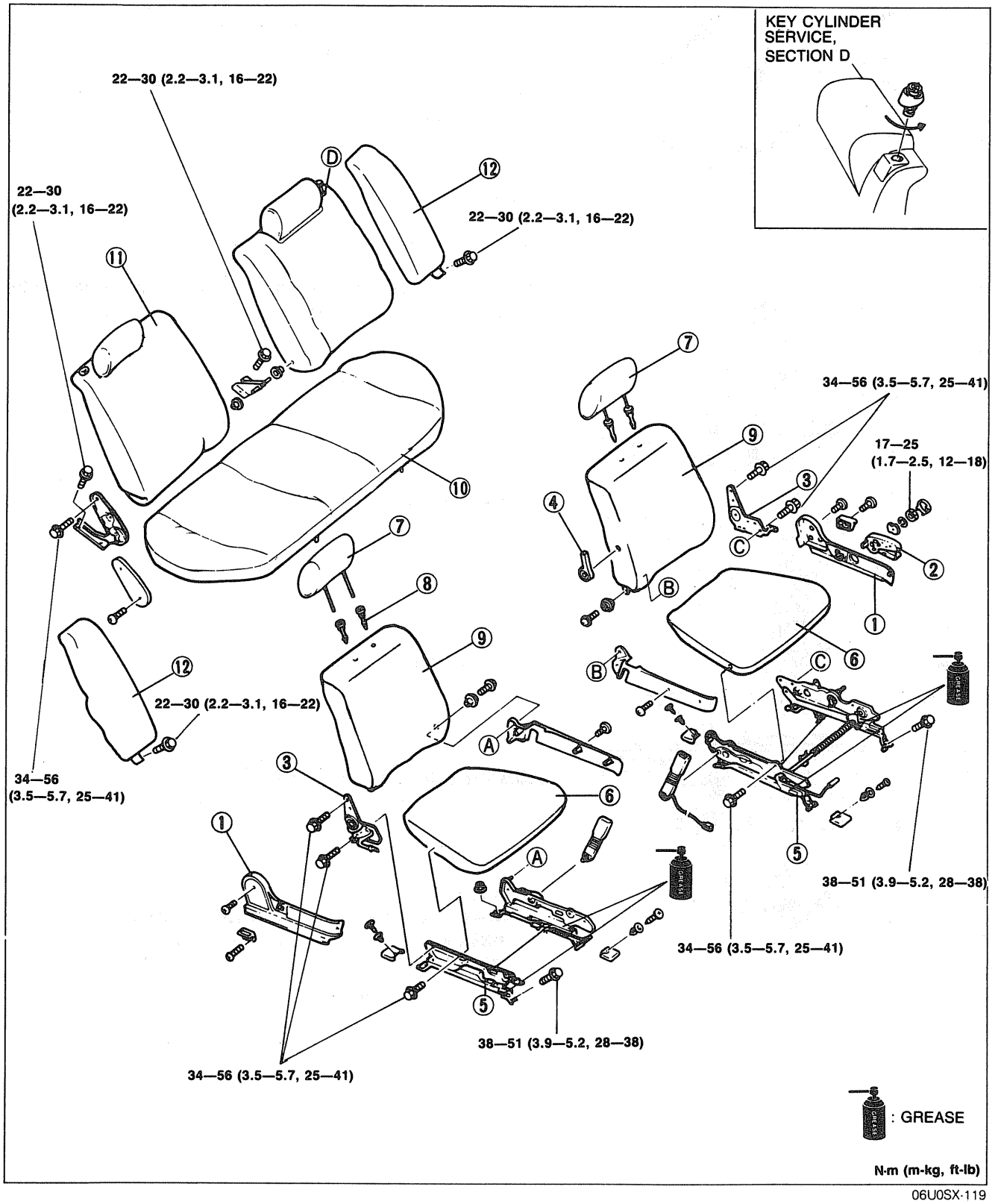
a. Set the selector lever to REC position.
b. Connect the control wire and clamp it with the shutter lever on the blower unit at its closest point.

Caution

- **Move the recirculate-fresh air switch lever to check that the wire is secured. Also, check that it moves the full stroke between REC and FRESH.**

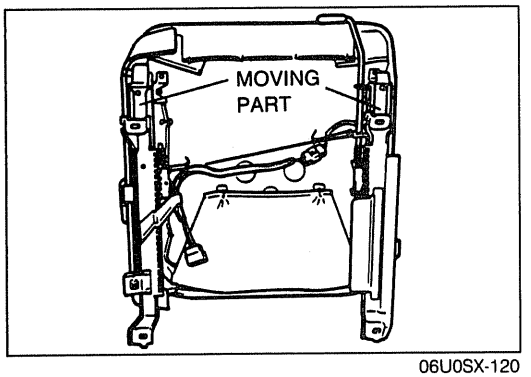
SEAT

STRUCTURAL VIEW

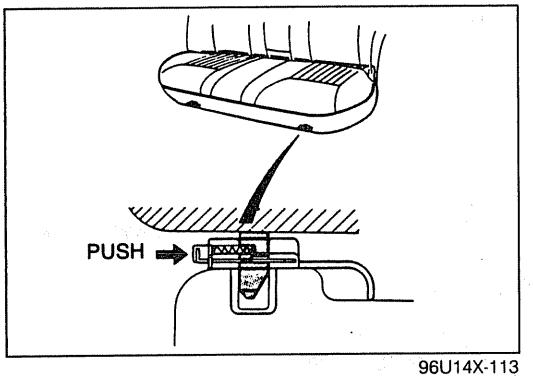


06U0SX-119

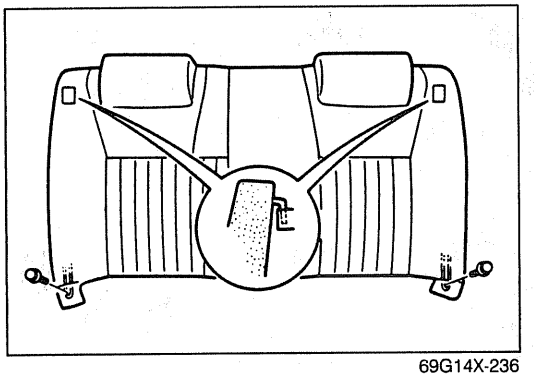
1. Seat side cover
2. Lifter lever
3. Reclining knuckle
4. Lumbar support lever
5. Seat adjuster
6. Front seat cushion
7. Headrest
8. Headrest pole
9. Front seat back
10. Rear seat cushion
11. Rear seat back
12. Seat side

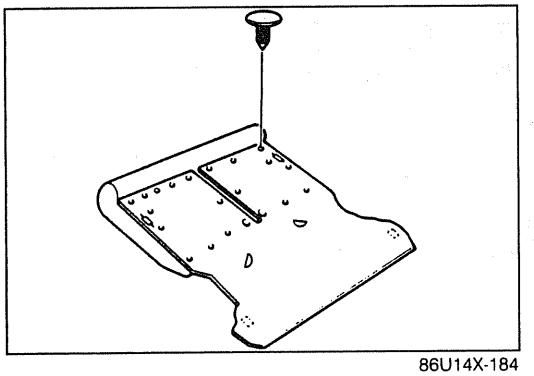


06U0SX-120



96U14X-113


69G14X-236


86U14X-184

FRONT SEAT

Inspection

1. Check that the seat adjuster lever and recliner knuckle lever move smoothly.
2. Check the seat mounting bolts for looseness. If necessary, tighten the bolts to the specified torque.

Tightening torque:
Seat mounting bolt:
38—51 N·m (3.9—5.2 m-kg, 28—38 ft-lb)

3. Apply grease to the moving parts.
4. Check the seat adjuster lever for wear.

REAR SEAT

Removal (as equipped on MX-6 and 4-door sedan only)

1. Push the locks as shown in the figure to release the cushion, then lift the seat cushion out of the vehicle.

2. Remove the end bolts, and lift the seat back off the hooks.

3. Remove the fastener.
4. Remove the seat back.

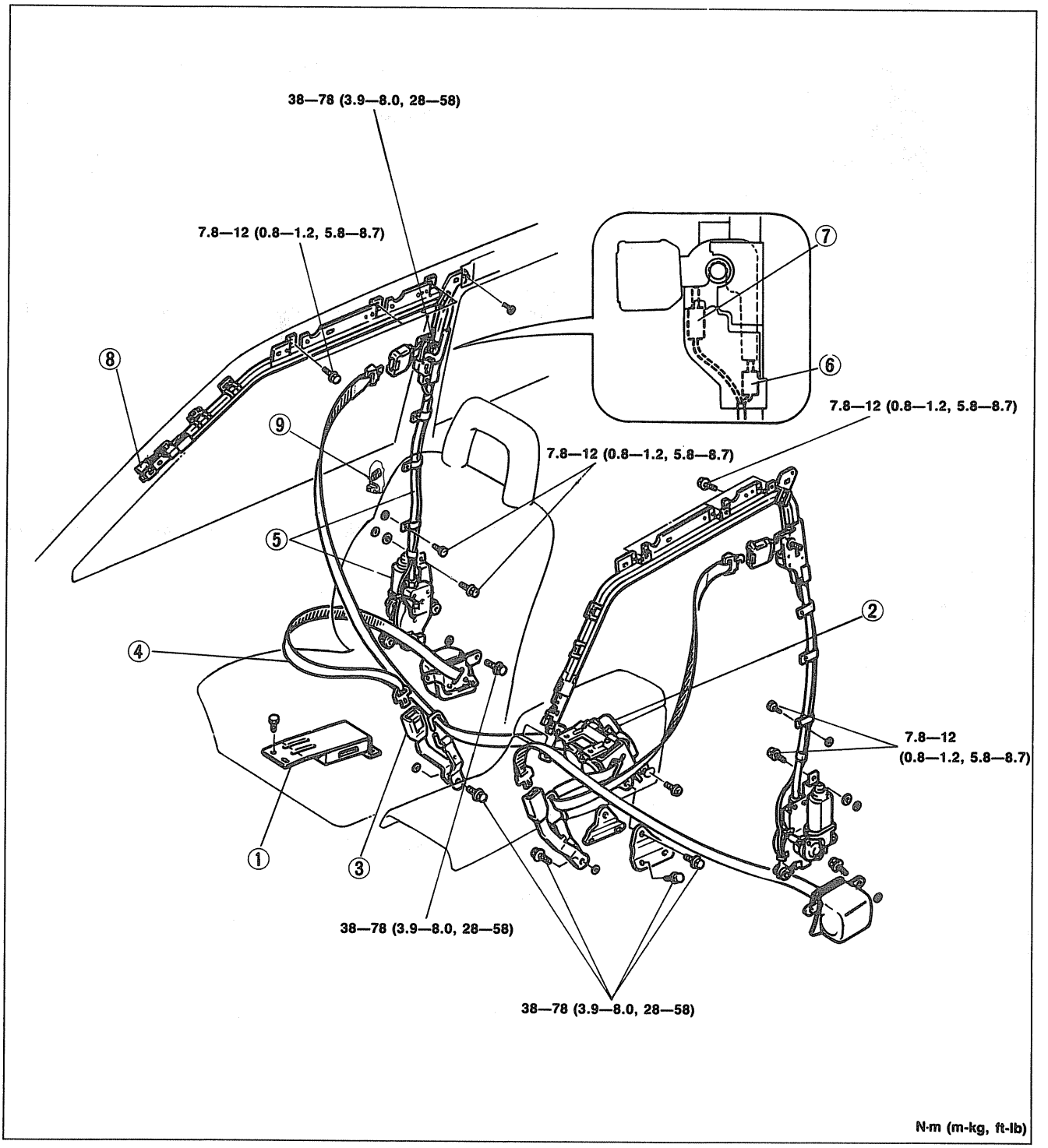
Installation

Install in the reverse order of removal.

Tightening torque:
Seat back:
16—23 N·m (1.6—2.3 m-kg, 12—17 ft-lb)

PASSIVE SHOULDER BELT

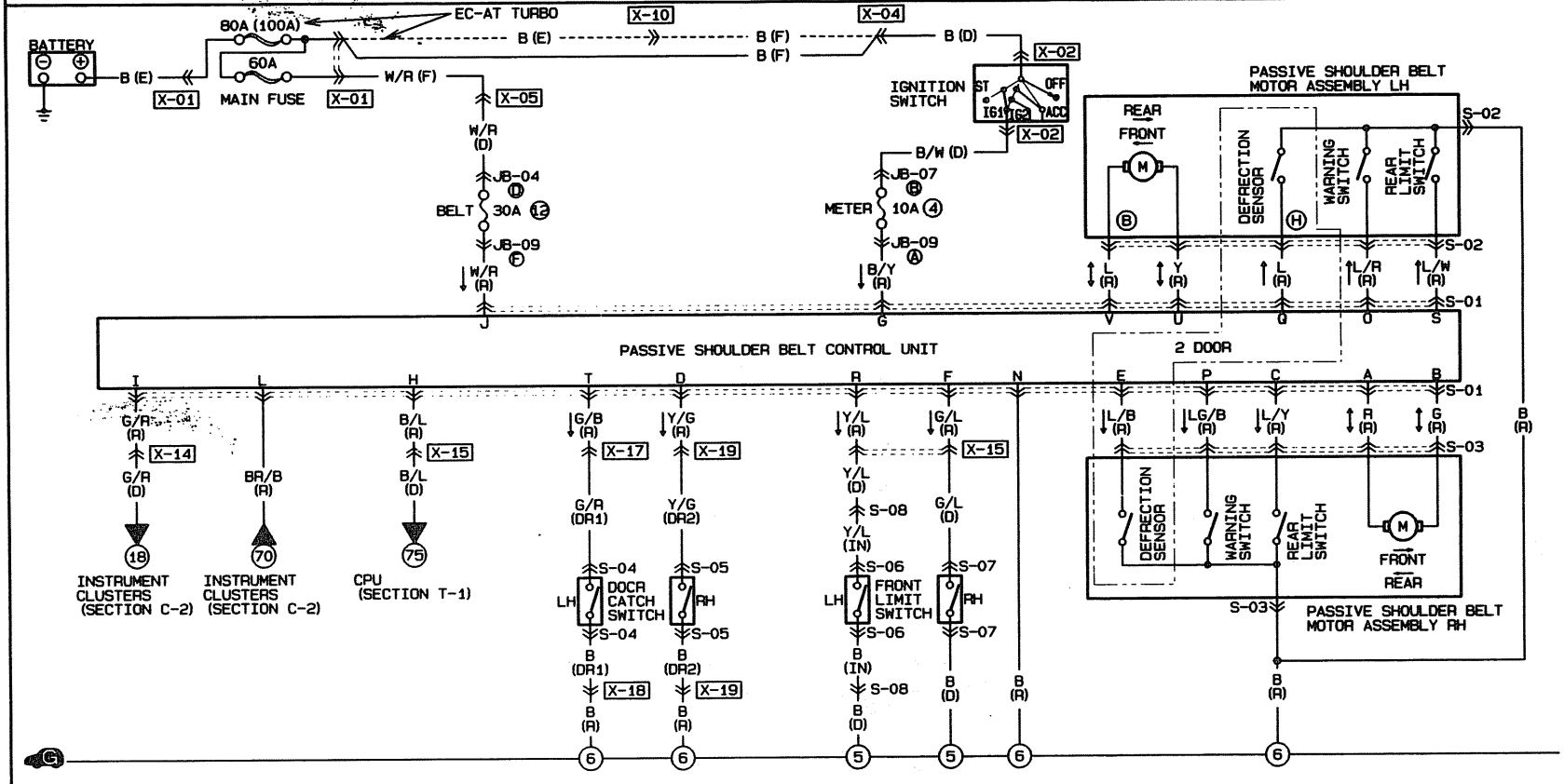
STRUCTURAL VIEW



06U0SX-121

1. Passive shoulder belt control unit
2. Passive shoulder belt retractor
   Inspection ..... page S–102
3. Inner buckle
   Inspection ..... page S–102
4. Outer lap belt
5. Passive shoulder belt motor and rail
   Inspection ..... page S–101
6. Limit switch (Rear)
   Inspection ..... page S–101
7. Seat belt warning switch
   Inspection ..... page S–102
8. Limit switch (Front)
   Inspection ..... page S–101
9. Door catch switch (in the door lock assembly)
   Inspection ..... page S–101

■ PASSIVE SHOULDER BELT CONTROL SYSTEM



S-01 PASSIVE SHOULDER BELT CONTROL UNIT (A)

( ) ... 2 DOOR

U	S	Q	O	M		I	G	E	C	A
Y	L/W	✳ (L)	L/R	✳		G/R	B/Y	✳ (L/B)	L/Y	R
L	G/B	Y/L	LG/B	B	BR/B	W/R	B/L	G/L	Y/G	G
V	T	R	P	N	L	J	H	F	D	B

S-02 PASSIVE SHOULDER BELT MOTOR ASSEMBLY LH (A)

4 DOOR

B	L/W
✳	L/R

Y
L

2 DOOR

✳		L/W	Y
L	L/R	B	L

Ⓗ Ⓑ

S-03 PASSIVE SHOULDER BELT MOTOR ASSEMBLY RH (A)

4 DOOR

B	L/Y
✳	LG/B

R
G

2 DOOR

✳		L/Y	R
L/B	LG/B	B	G

S-04 DOOR CATCH SWITCH LH (DR1)

✳	G/R
✳	B

4 DOOR

G/R
B

2 DOOR

S-05 DOOR CATCH SWITCH RH (DR2)

✳	Y/G
✳	B

4 DOOR

Y/G
B

2 DOOR

S-06 FRONT LIMIT SWITCH LH (IN)

Y/L	B

S-07 FRONT LIMIT SWITCH RH (D)

G/L	B

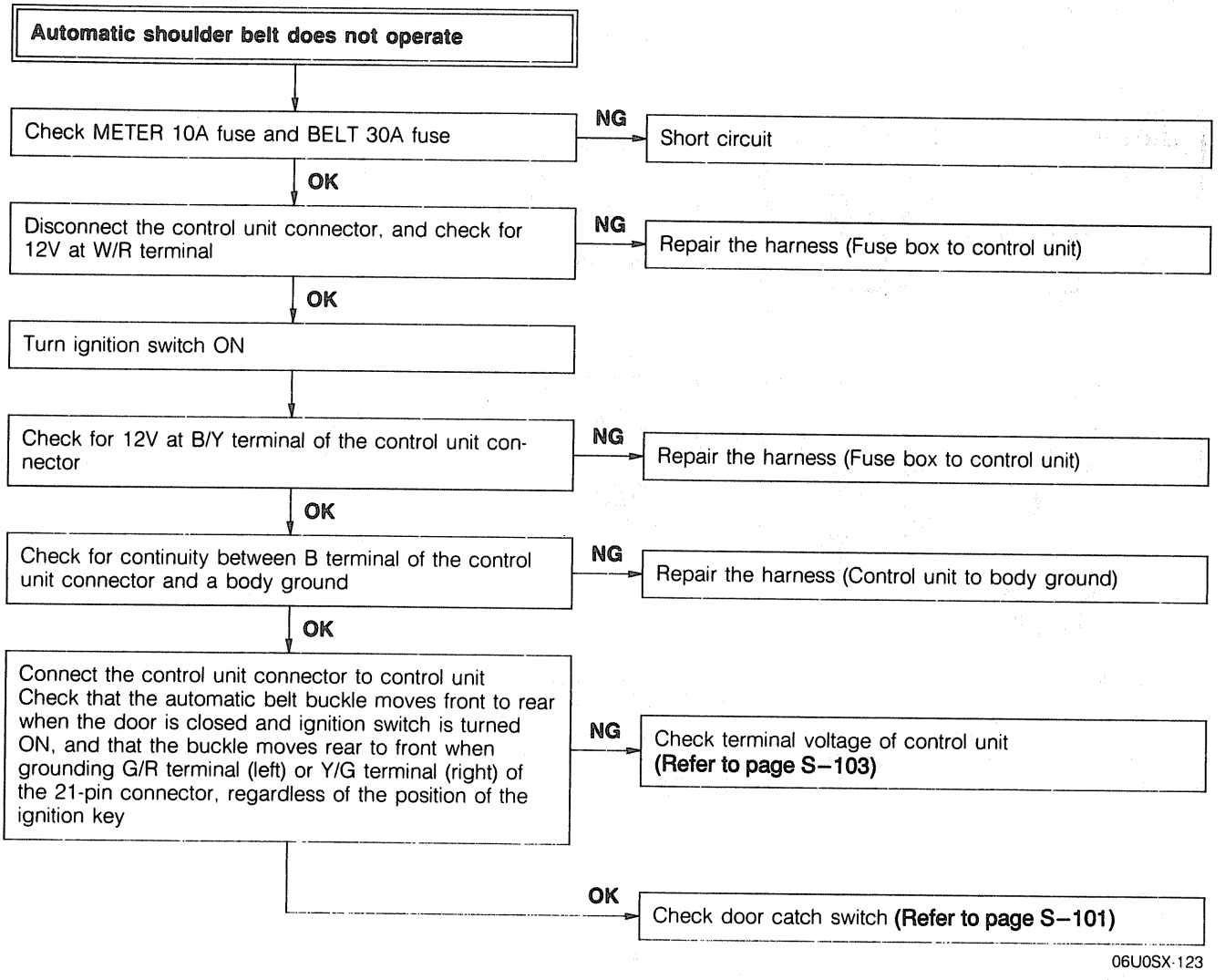
S-08 CONNECTOR BETWEEN DASH (D) & INTERIOR LAMP (IN) (IN)

(D)

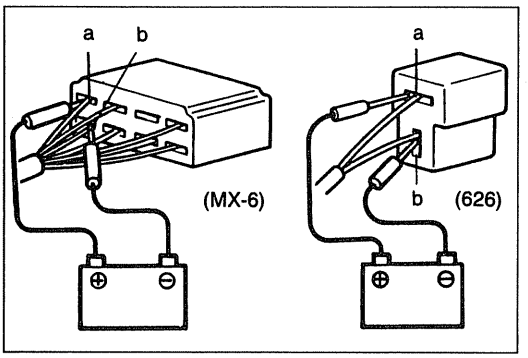
B
Y/L

(IN)

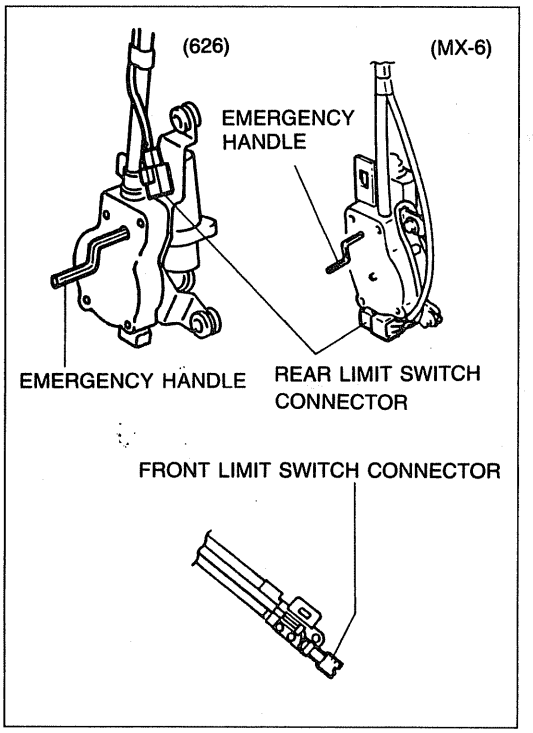
B
Y/L


Automatic shoulder belt does not operate
Check METER 10A fuse and BELT 30A fuse
NG
Short circuit
OK
Disconnect the control unit connector, and check for 12V at W/R terminal
NG
Repair the harness (Fuse box to control unit)
OK
Turn ignition switch ON
Check for 12V at B/Y terminal of the control unit connector
NG
Repair the harness (Fuse box to control unit)
OK
Check for continuity between B terminal of the control unit connector and a body ground
NG
Repair the harness (Control unit to body ground)
OK
Connect the control unit connector to control unit
Check that the automatic belt buckle moves front to rear when the door is closed and ignition switch is turned ON, and that the buckle moves rear to front when grounding G/R terminal (left) or Y/G terminal (right) of the 21-pin connector, regardless of the position of the ignition key
NG
Check terminal voltage of control unit
(Refer to page S–103)
OK
Check door catch switch (Refer to page S–101)

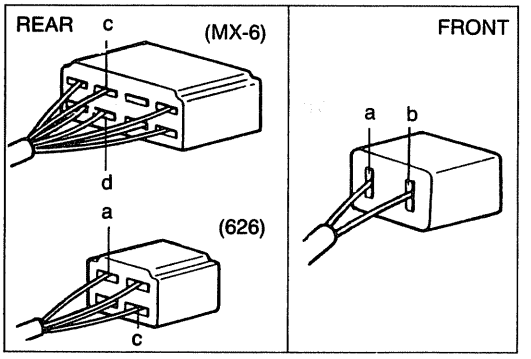
06U0SX-123

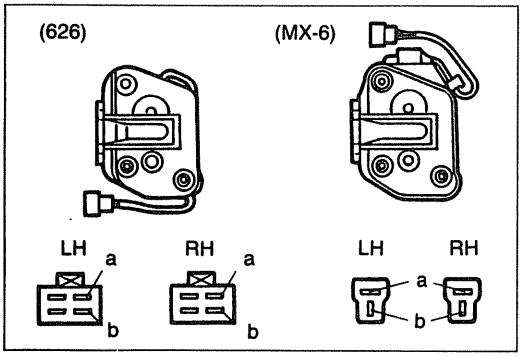


06U0SX-124



06U0SX-125





06U0SX-126

INSPECTION

Passive Shoulder Belt Motor

1. Remove the front and center pillar trim and disconnect the passive shoulder belt motor connector.
2. Connect 12V to terminal a and ground terminal b. Verify that the motor rotates in the forward direction (release).
3. Reverse the above connection, and check that the motor rotates in the rearward direction (lock).

Caution

- **Do not operate the motor for an extended period of time.**

Limit Switch

1. Remove the front and center pillar trim, disconnect the passive shoulder belt motor connector (MX-6) or rear limit switch connector (626) and the front limit switch connector.
2. Position the shoulder belt as shown using the emergency handle.
3. Check for continuity between the limit switch terminals using an ohmmeter.

Limit switch / Shoulder belt position	Front		Rear			
			MX-6		626	
	a	b	c	d	a	c
Released (Front)	○—○					
Moving						
Locked (Rear)			○—○		○—○	

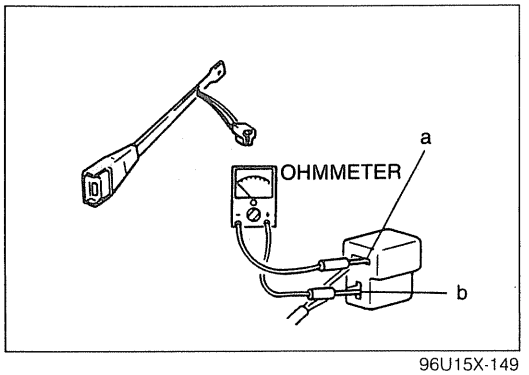
○—○: Indicates continuity

Door Catch Switch (in front door lock assembly)

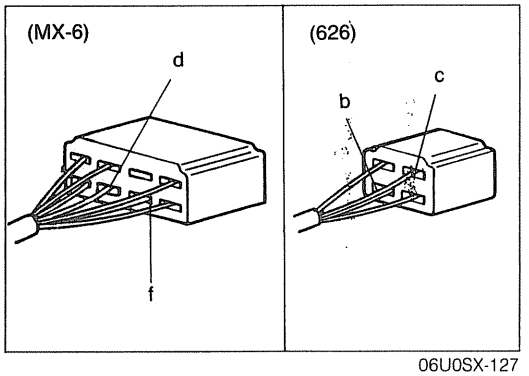
1. Remove the door trim and screen. (Refer to page S–10; steps 1—3.)
2. Disconnect the door catch switch connector.
3. Check for continuity between the terminals using an ohmmeter.

Door position / Terminal	a	b
Open	○	○
Close		

○—○: Indicates continuity



96U15X-149



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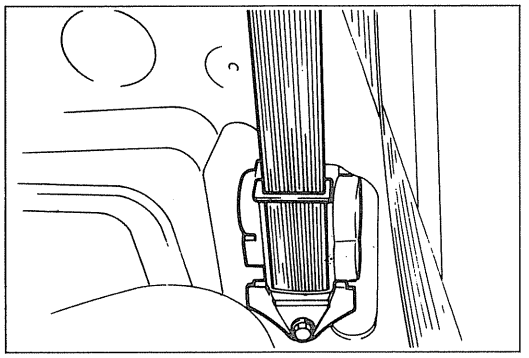

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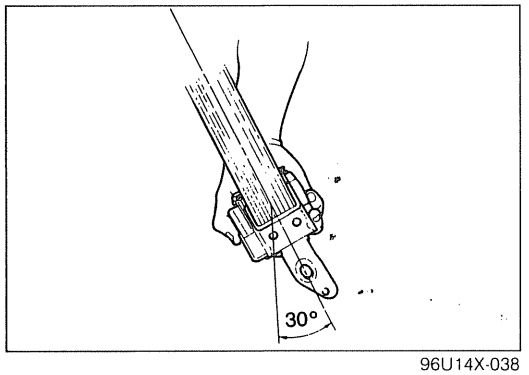


96U14X-038

Buckle Switch (Lap Belt)

1. Disconnect the buckle switch connector.
2. Check continuity of the switch with an ohmmeter.

Lap belt \ Terminal	a	b
Unfastened	○——	——○
Fastened		

○——○: Indicates continuity

Shoulder Belt Warning Switch

1. Remove the center pillar trim, and disconnect the passive shoulder belt motor connector.
2. Check continuity between the terminals with an ohmmeter passive shoulder belt is at the rear locked position.

Shoulder belt position \ Terminal		MX-6		626	
		d	f	b	c
Locked	Belt fastened	○——	——○	○——	——○
	Belt unfastened				

○——○: Indicates continuity

Emergency Lock Retractor (ELR)

Caution

- **Do not disassemble the buckle and retractor assembly.**

1. Verify that the belt can be pulled out smoothly and that it moves smoothly when worn.
2. Verify that the retractor locks when quickly pulling the belt.
3. Remove the retractor.
4. Hold the retractor as it is installed.
5. Slowly incline the retractor while pulling out the belt.
6. Verify that the retractor locks at **approx. 30 degrees** inclination.

Webbing

Inspect the webbing for scars, tears, and wear and for deformation of the fittings.

Terminal Voltage of Passive Shoulder Belt Control Unit

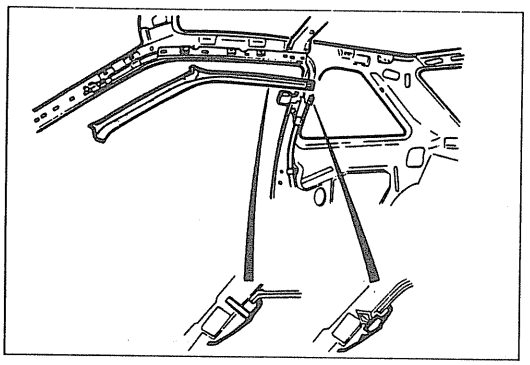
Terminal	Wire color	Connection	Test condition		Voltage	Action
A	(R)	Passive shoulder belt motor (RH)	Shoulder belt (RH) moving from rear to front		Approx. 12V	Check passive shoulder belt motor (RH) **(Refer to page S–101)**
			Other conditions		0V	
B	(G)	Passive shoulder belt motor (RH)	Shoulder belt (RH) moving from front to rear		Approx. 12V	
			Other conditions		0V	
C	(L/Y)	Limit switch (RR)	IGN ON	Shoulder belt (RH) locked (Rear)	0V	Check limit switch (RR) **(Refer to page S–101)**
				Other conditions	Approx. 2V	
D	(Y/G)	Door catch switch (RH)	Door (RH) open		0V	Check door catch switch (RH) **(Refer to page S–101)**
			Door (RH) closed	IGN ON or door (LH) open	Approx. 2V	
				IGN OFF and door (LH) closed	Approx. 12V	
E	(L/B)	Deflection sensor (RH) (MX-6 only)	—		—	—
F	(G/L)	Limit switch (FR)	Shoulder belt (RH) released (Front)		0V	Check limit switch (FR) **(Refer to page S–101)**
			IGN ON	BELT warning lamp ON	Approx. 2V	
				BELT warning lamp OFF	Approx. 12V	
G	(B/Y)	Ignition switch (IG_1)	Ignition switch ON		Approx. 12V	Repair wire (B/Y)
			Ignition switch OFF		0V	
H	(B/L)	TWS	Buzzer sounds		Approx. 0.7V	Check CPU (Refer to Section T)
			Buzzer does not sound		Approx. 12V	
I	(G/R)	Speed sensor	IGN ON	Vehicle speed above 8 km/h (16 mph)	0—5V	Check speed sensor (Refer to Section T)
				Vehicle stopped	Approx. 5V	
J	(W/R)	BELT 30A fuse	Constant		Approx. 12V	Repair wire
L	(BR/B)	BELT warning lamp	IGN ON	BELT warning lamp ON	Approx. 0.1V	Check meter (Refer to Section T)
				BELT warning lamp OFF	Approx. 12V	
N	(B)	Ground	Constant		0V	Repair wire (B)
O	(L/R)	Warning switch (LH)	Locked (Rear)	Shoulder belt (LH) fastened	0V	Check warning switch (LH) **(Refer to page S–102)**
				Shoulder belt (LH) unfastened	Approx. 2V	
P	(LG/B)	Warning switch (RH)	Locked (Rear)	Shoulder belt (RH) fastened	0V	Check warning switch (RH) **(Refer to page S–102)**
				Shoulder belt (RH) unfastened	Approx. 2V	
Q	(L)	Deflection sensor (LH) (MX-6 only)	—		—	—
R	(Y/L)	Limit switch (FL)	Shoulder belt (LH) released (Front)		0V	Check limit switch (FL) **(Refer to page S–101)**
			IGN ON	BELT warning lamp ON	Approx. 2V	
				BELT warning lamp OFF	Approx. 12V	
S	(L/W)	Limit switch (RL)	IGN ON	Shoulder belt (LH) locked (Rear)	0V	Check limit switch (RL) **(Refer to page S–101)**
				Other conditions	Approx. 2V	
T	(G/R)	Door catch switch (LH)	Door (LH) open		0V	Check door catch switch (RH) **(Refer to page S–101)**
			Door (LH) closed	IGN ON or door (RH) open	Approx. 2V	
				IGN OFF and door (RH) closed	Approx. 12V	
U	(Y)	Passive shoulder belt motor (LH)	Shoulder belt (LH) moving from rear to font		Approx. 12V	Check passive shoulder belt motor (LH) **(Refer to page S–101)**
			Other conditions		0V	
V	(L)	Passive shoulder belt motor (LH)	Shoulder belt (LH) moving from front to rear		Approx. 12V	
			Other conditions		0V	

Terminal location

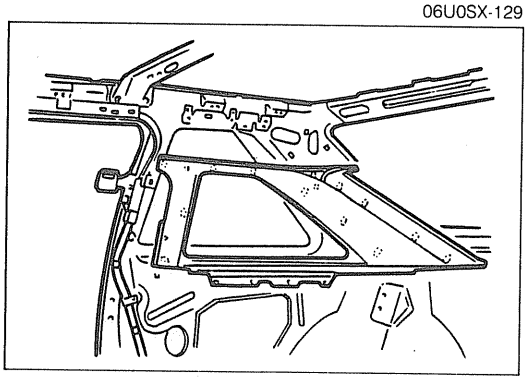
U	S	Q	O	M		I	G	E	C	A
Y	L/W	(L) *	L/R	*		G/R	B/Y	(L/B) *	L/Y	R
L	G/R	Y/L	LG/B	B	BR/B	W/R	B/L	G/L	Y/G	G
V	T	R	P	N	L	J	H	F	D	B

( )... MX-6

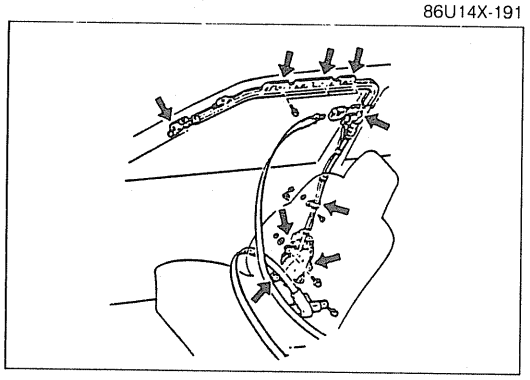
PASSIVE SHOULDER BELT



06U0SX-129



86U14X-191



06U0SX-130

REMOVAL

1. Remove the front pillar trim.
2. Remove the rear pillar trim and side trim.
3. Remove the mounting bolts.
4. Remove the passive shoulder belt motor and rail.

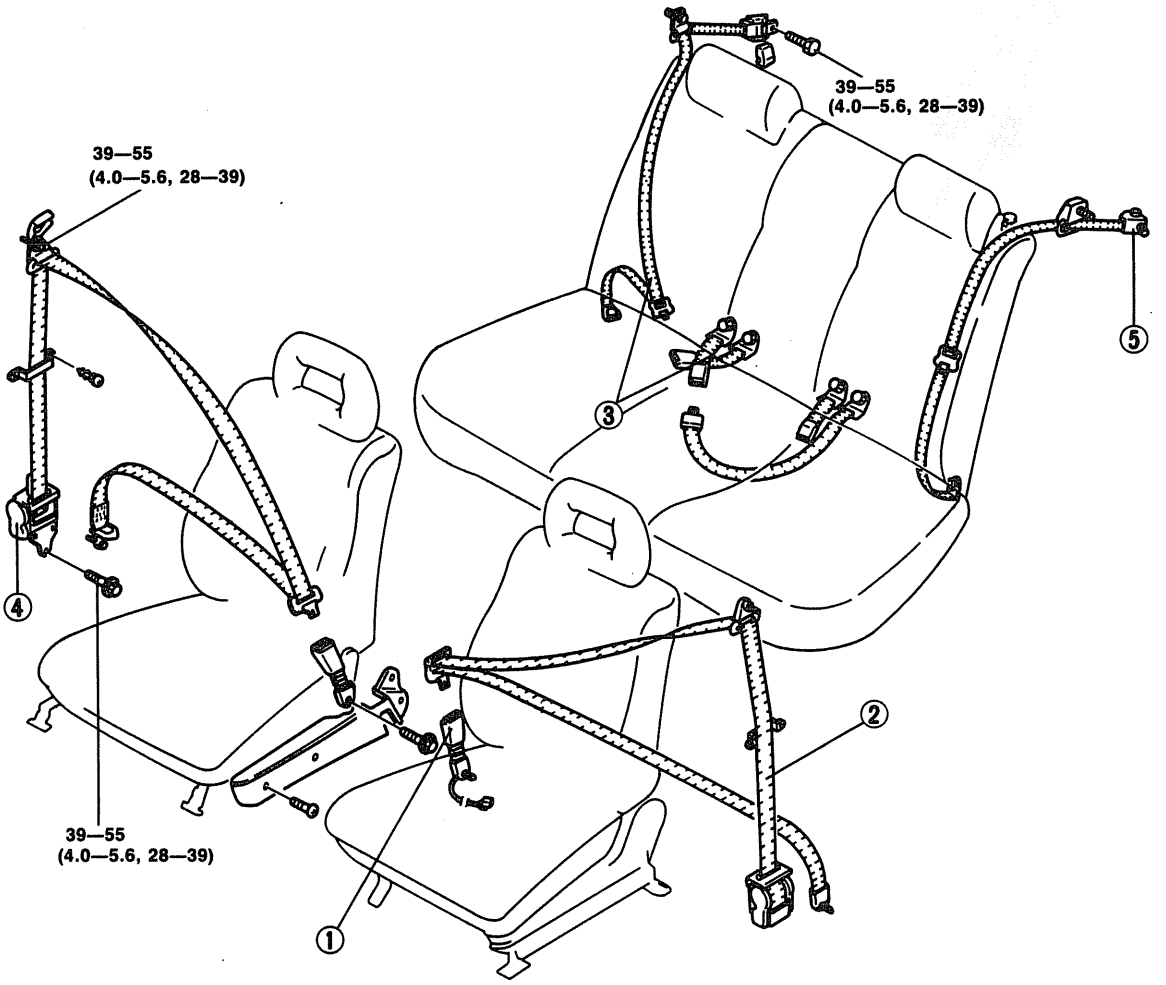
INSTALLATION

Install in the reverse order of removal.

SEAT BELTS

STRUCTURAL VIEW

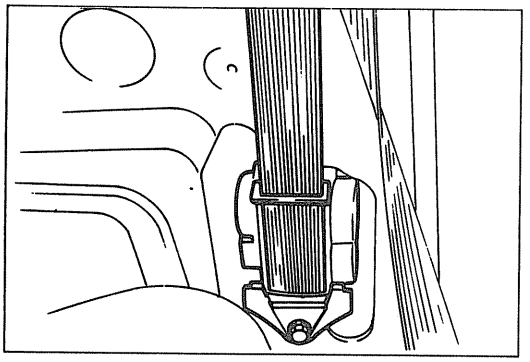
STANDARD SHOULDER BELT



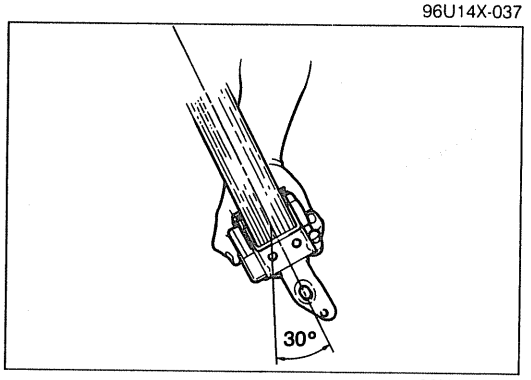
N·m (m-kg, ft-lb)

96U14X-035

1. Buckles
2. Front seat belts
3. Rear seat belts
4. Retractors
5. Retractors



96U14X-037



96U14X-038

INSPECTION

Caution

- **Do not disassemble the buckle and retractor assembly.**

Emergency Lock Retractor (ELR)

1. Verify that the belt can be pulled out smoothly and that it moves smoothly when worn.
2. Verify that the retractor locks when quickly pulling the belt.
3. Remove the retractor.
4. Hold the retractor as it is installed.
5. Slowly incline the retractor while pulling out the belt.
6. Verify that the retractor locks at **approx. 30 degrees** inclination.

Webbing

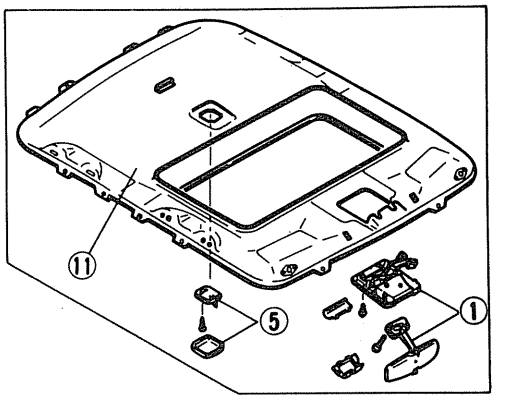
Inspect the webbing for scars, tears, and wear and for deformation of the fittings.

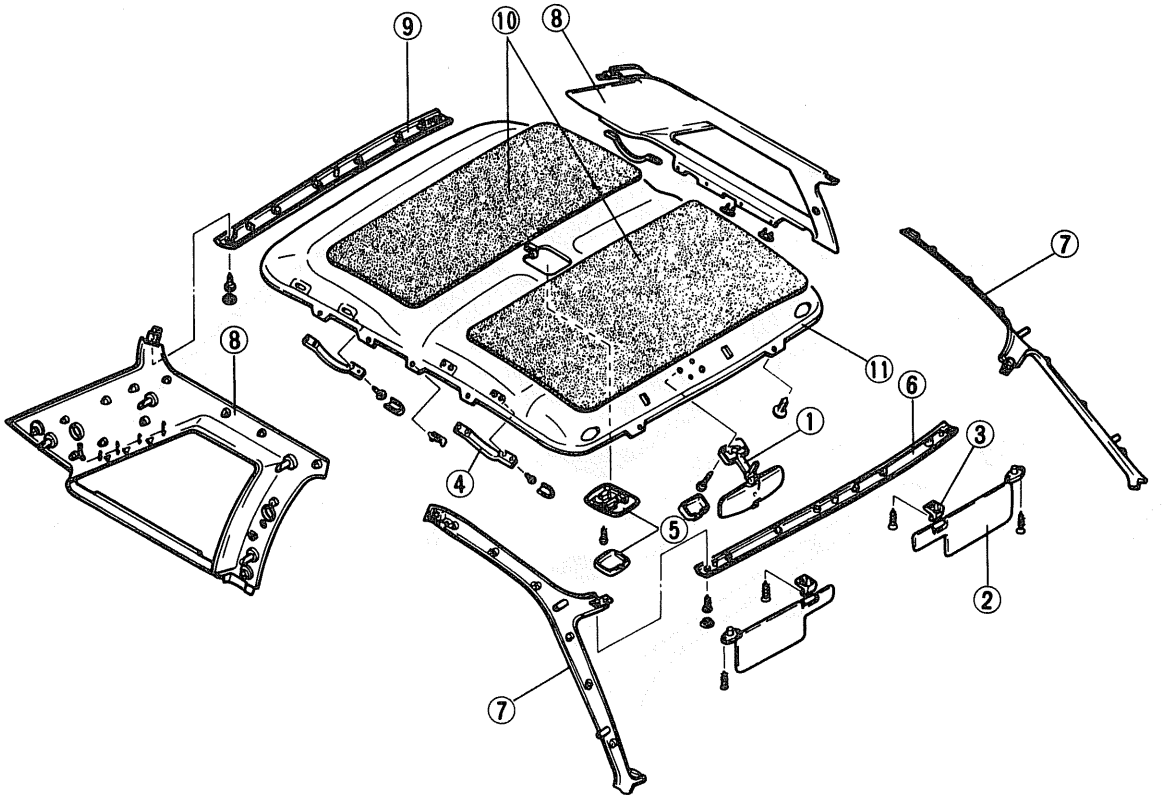
HEADLINER

STRUCTURAL VIEW

MX-6

SLIDING SUNROOF



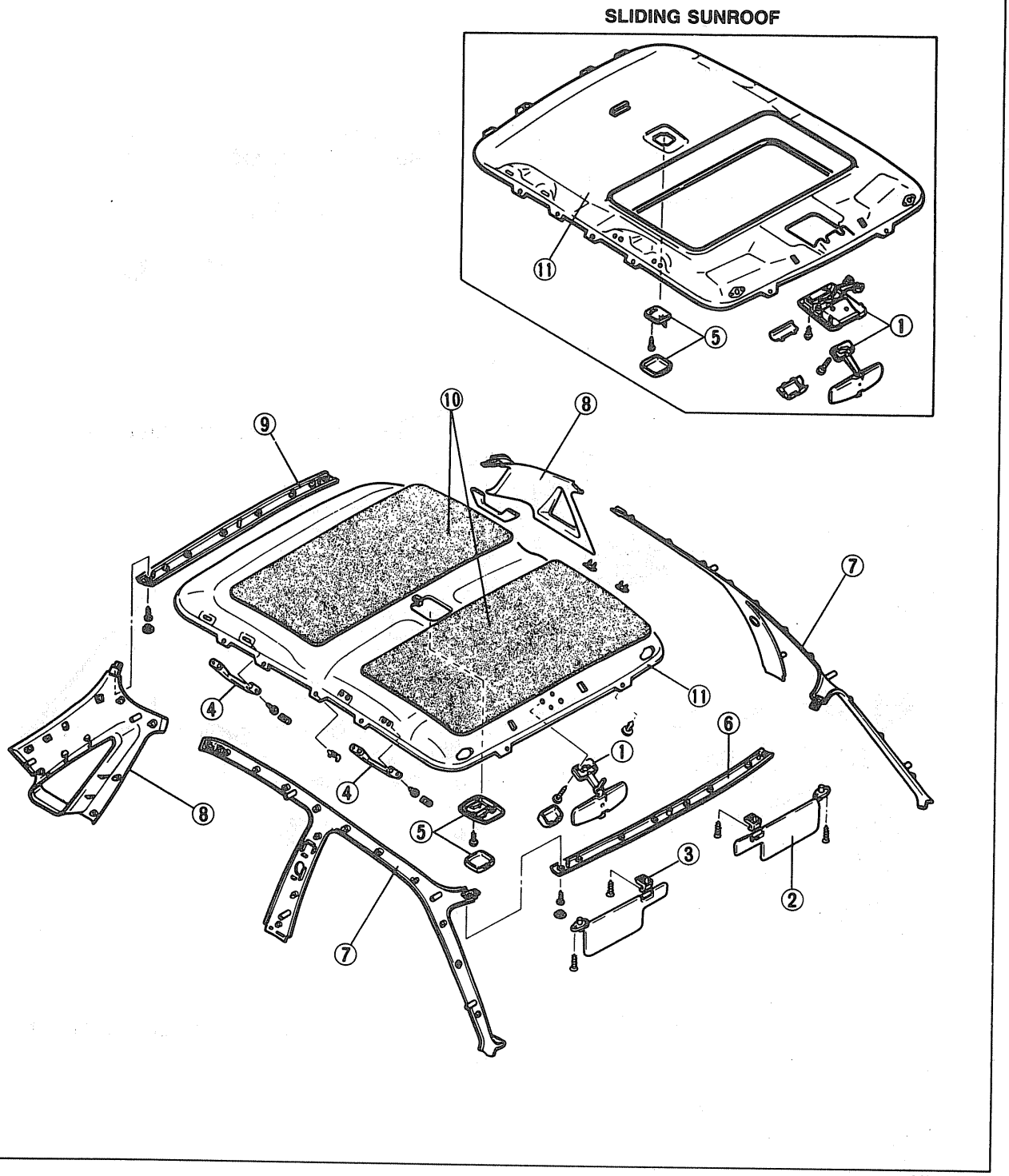


86U14X-159

1. Rearview mirror and overhead console
2. Sunvisor
3. Center adapter
4. Assist handle
5. Interior light
6. Front header trim
7. Front pillar trim
8. Rear pillar trim
9. Rear header trim
10. Insulator
11. Headliner

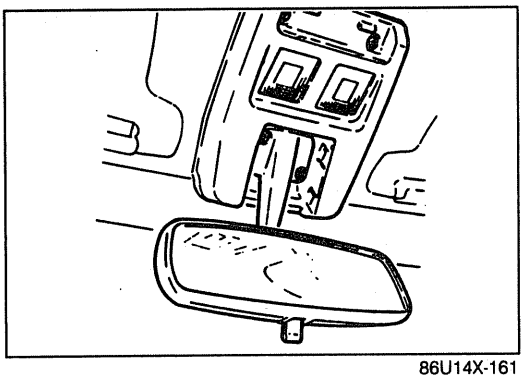
SEDAN

SLIDING SUNROOF



86U14X-160

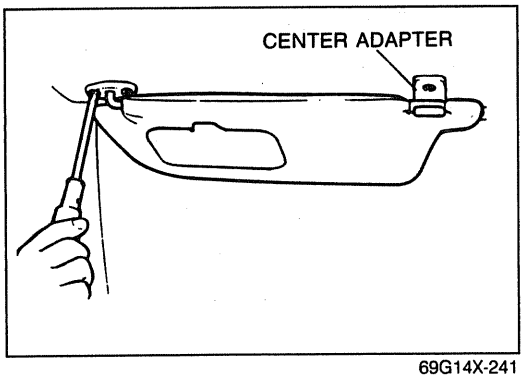
1. Rearview mirror and overhead console
2. Sunvisor
3. Center adapter
4. Assist handle
5. Interior light
6. Front header trim
7. Front pillar trim
8. Rear pillar trim
9. Rear header trim
10. Insulator
11. Headliner



86U14X-161

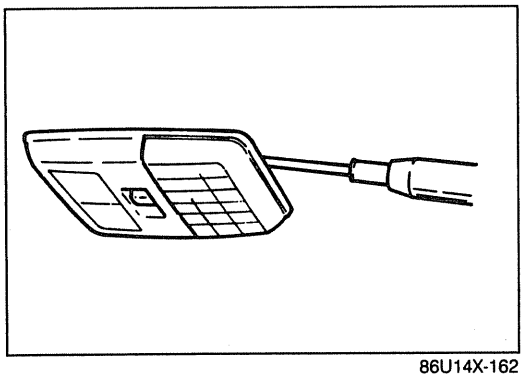
REMOVAL

1. Remove the overhead console cover.
2. Remove the rearview mirror.
3. Remove the overhead console mounting screws.
4. Disconnect the connectors and remove the overhead console.



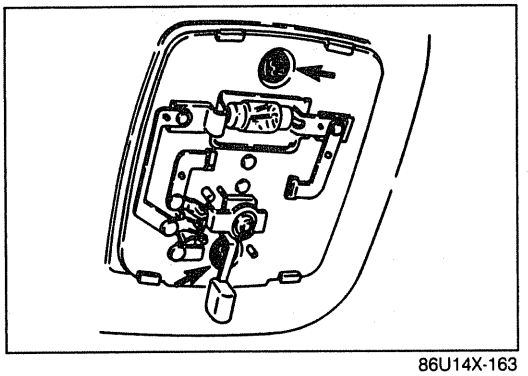
69G14X-241

5. Remove the sunvisors.
6. Remove the center adapters.



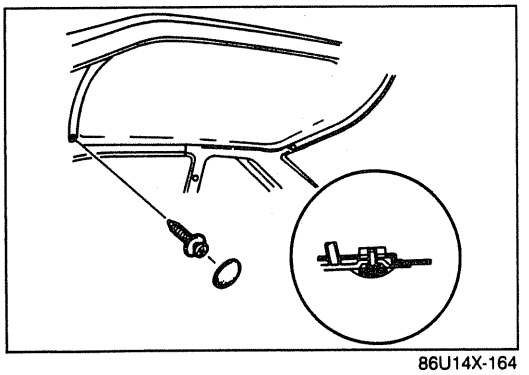
86U14X-162

7. Remove the interior light lens with a protected small screwdriver.



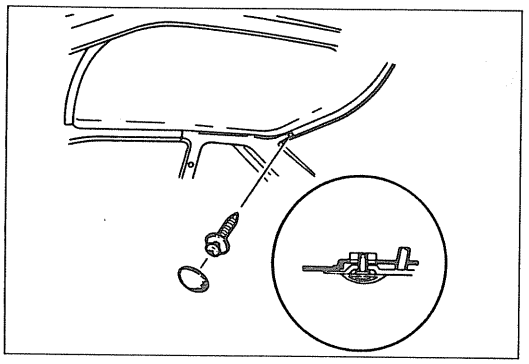
86U14X-163

8. Remove the interior light mounting screws and disconnect the connector.
9. Remove the interior light.



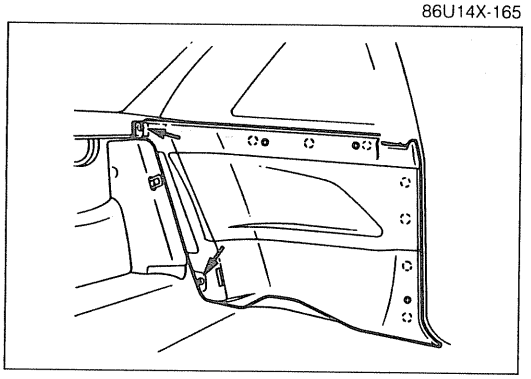
86U14X-164

10. Remove the caps and screws at the ends of the front header trim.



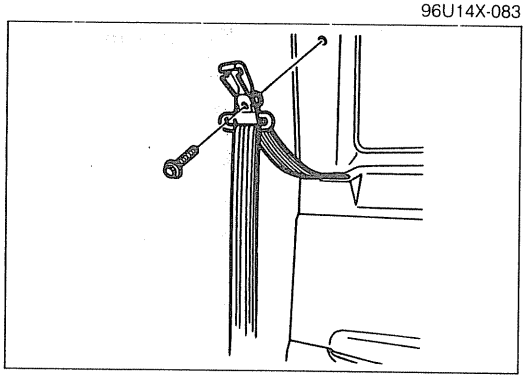
86U14X-165

11. Remove the caps and screws at the ends of the rear header trim.



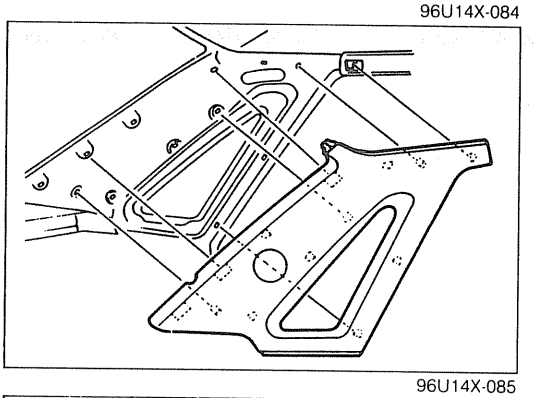
96U14X-083

12. Remove the rear side trims.



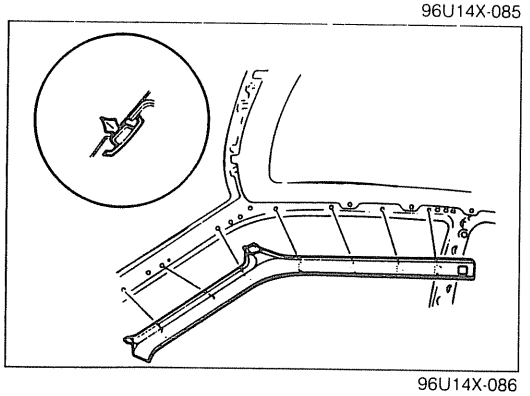
96U14X-084

13. Remove the seat belt upper anchor bolts.



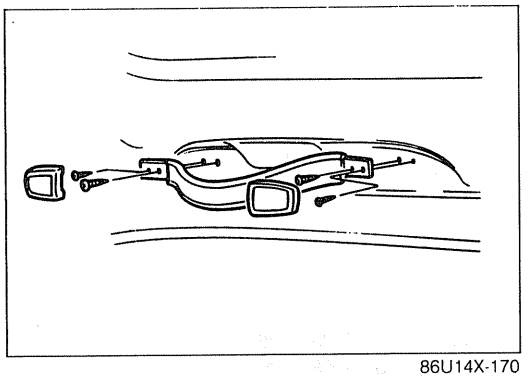
96U14X-085

14. Remove the rear pillar trims with a protected standard screwdriver.



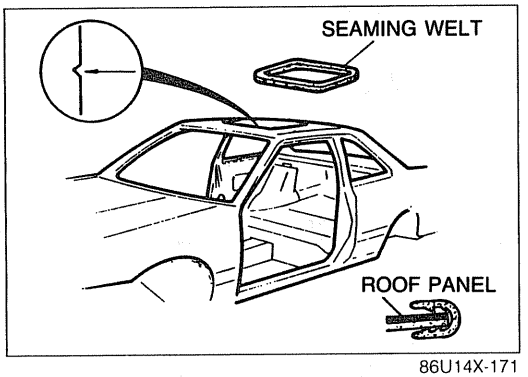
96U14X-086

15. Remove the front pillar trims with a protected standard screwdriver.



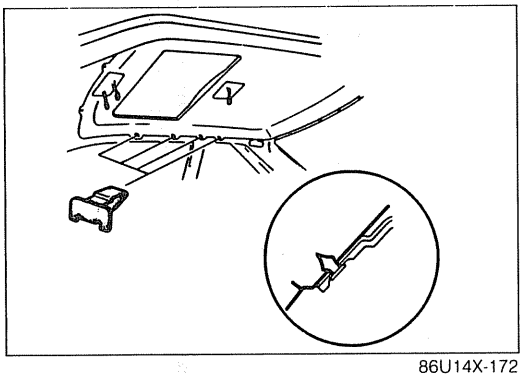
86U14X-170

16. Remove the assist handles.



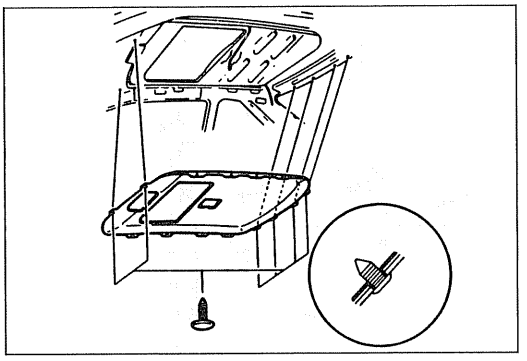
86U14X-171

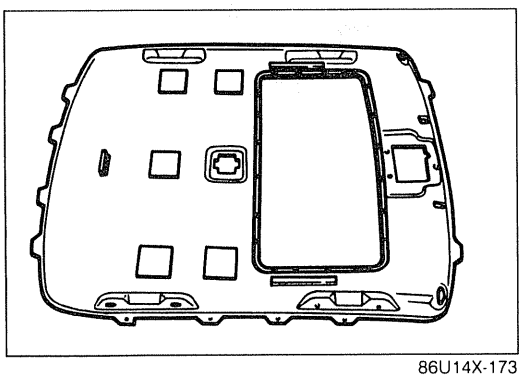
17. Remove the sliding sunroof seaming welt.



86U14X-172

18. Remove the fasteners and remove the headliner.





86U14X-173

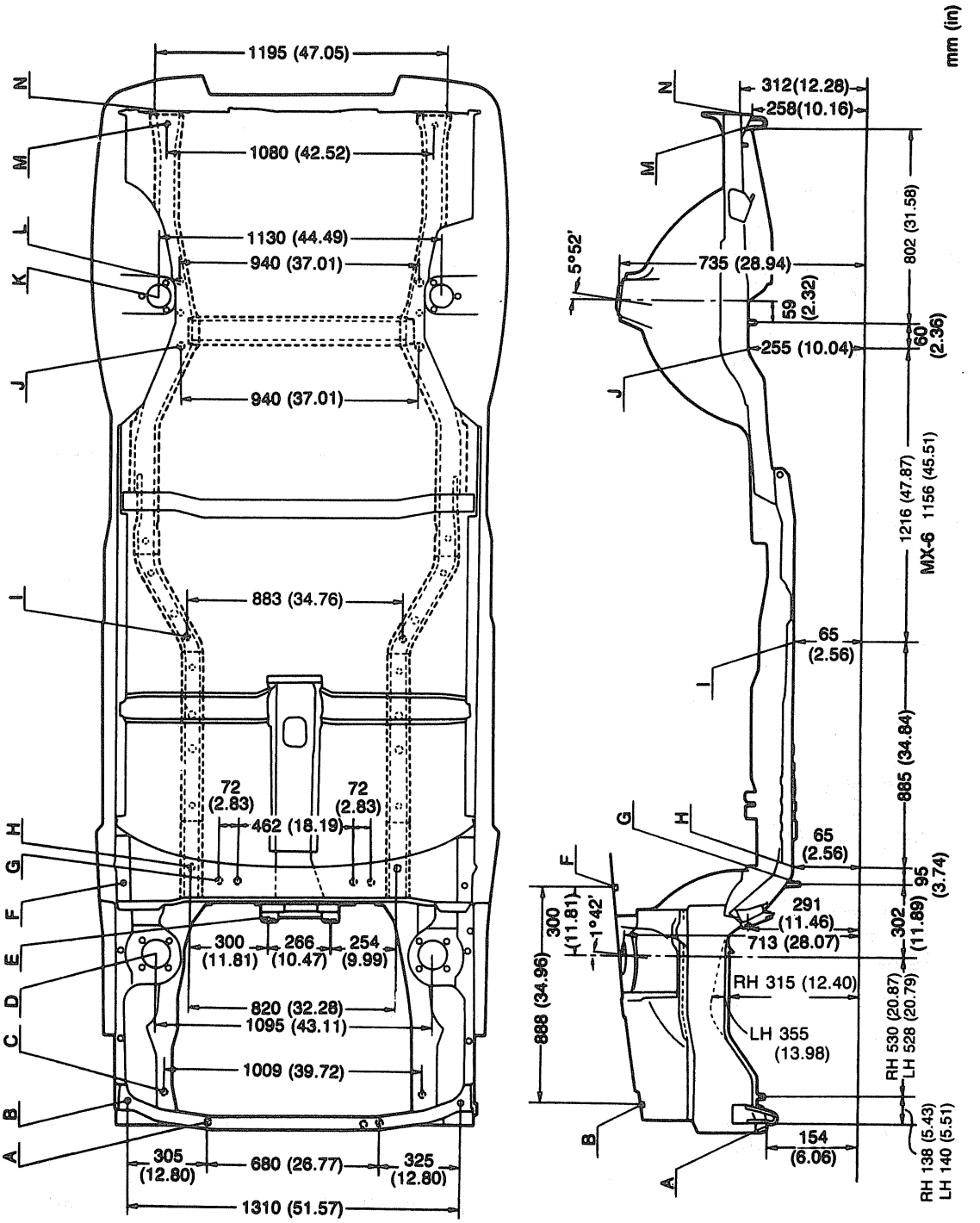
INSTALLATION

Install in the reverse order of removal, noting the following.

Note

- **Align the trim and clip positions, then install the clips by striking them lightly.**

UNDERBODY PROJECTED DIMENSIONS



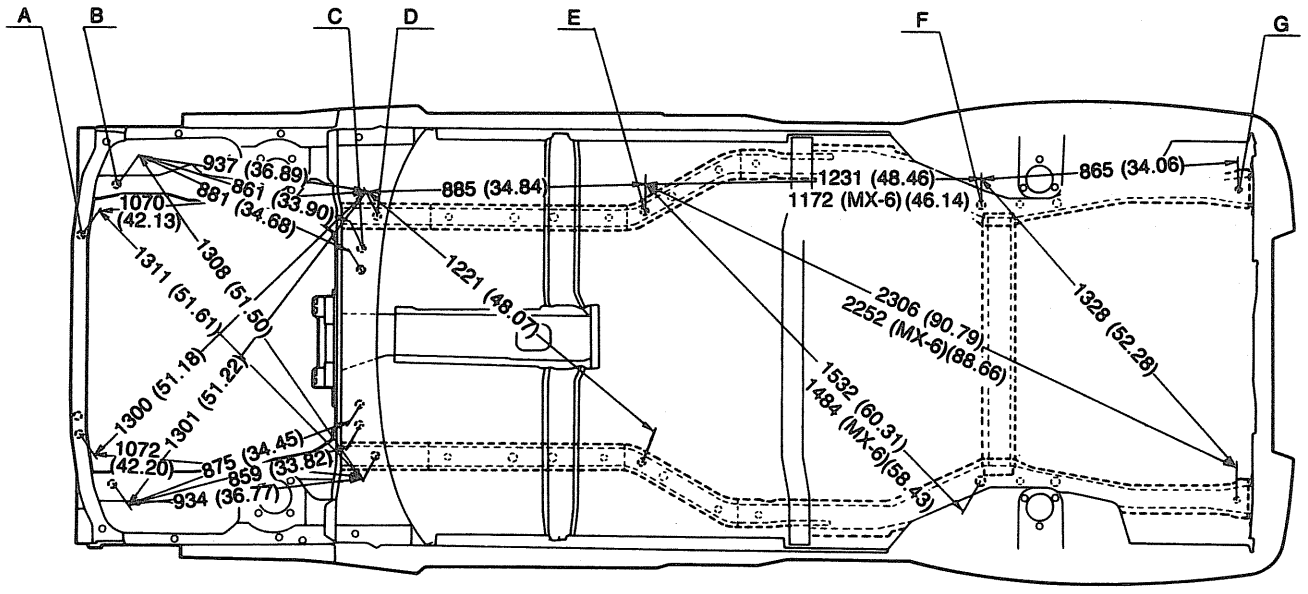
86U14X-193

A: Frame mounting nut (M10)
B: Front fender panel mounting nut (M6)
C: Front member mounting bolt (M12)
D: Front mounting block
E: Steering bracket mounting nut (M12)
F: Front fender panel mounting nut (M6)
G: Frame mounting bolt (M12)

H: Front frame, lower standard hole (8ϕ)
I : Front frame [c], lower standard hole (12ϕ)
J : Crossmember mounting nut (M10)
K: Rear mounting block
L : Crossmember mounting nut (M10)
M: Rear frame, lower standard hole(10ϕ)
N: Rear bumper mounting hole (14ϕ)
(outside,lower)

16USX-018

UNDERBODY STRAIGHT-LINE DIMENSIONS



mm (in)

A: Frame mounting nut (M10)
B: Front member mounting bolt (M12)
C: Frame mounting bolt (M12)
D: Front frame, lower standard hole (8ϕ)
E: Front frame [c], lower standard hole (12ϕ)
F: Crossmember mounting nut (M10)
G: Rear frame, lower standard hole (10ϕ)

96U14X-043