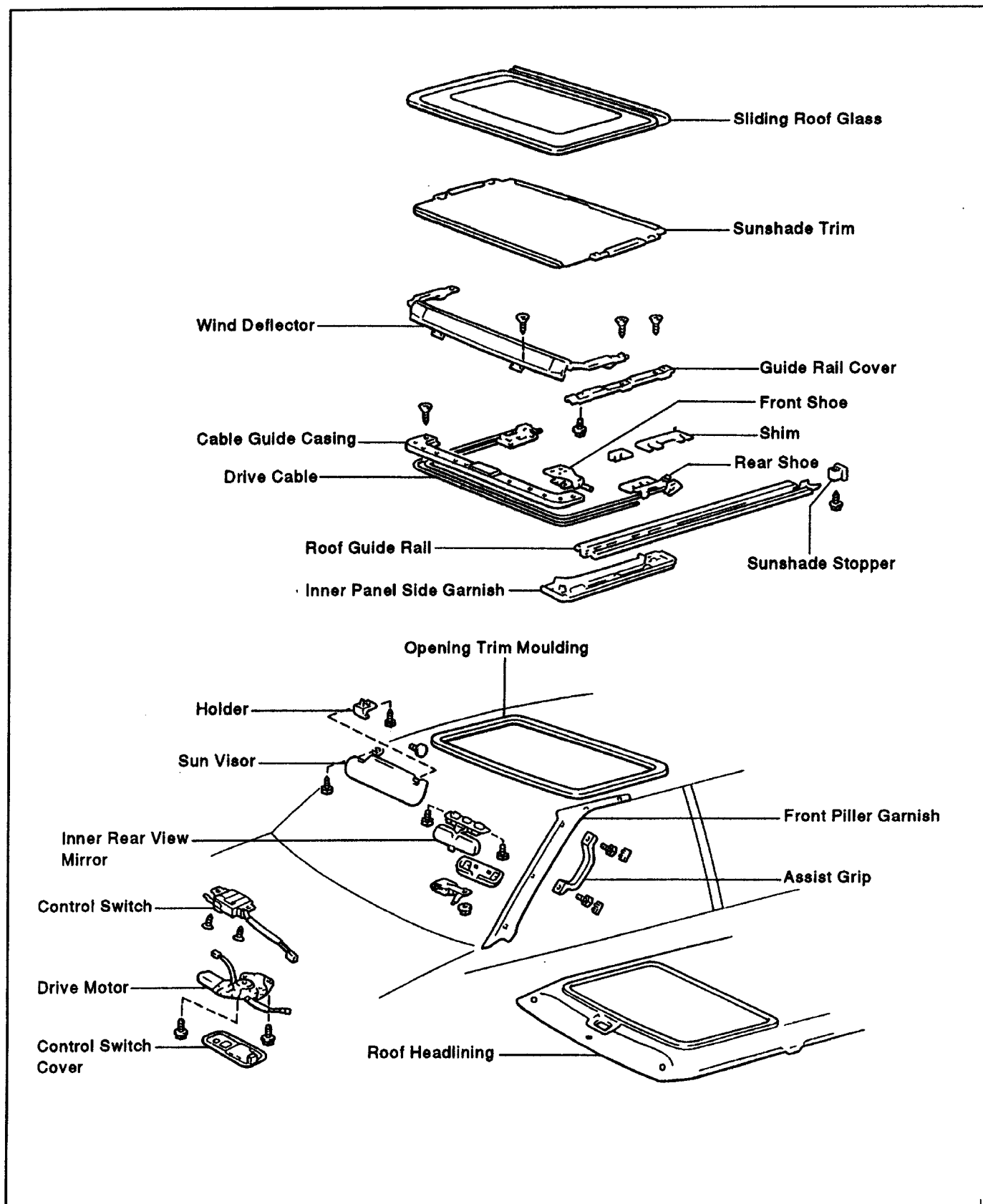
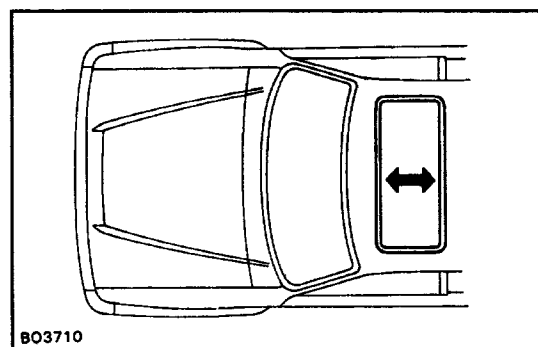
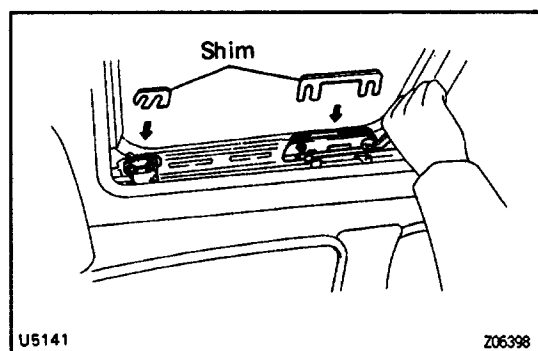
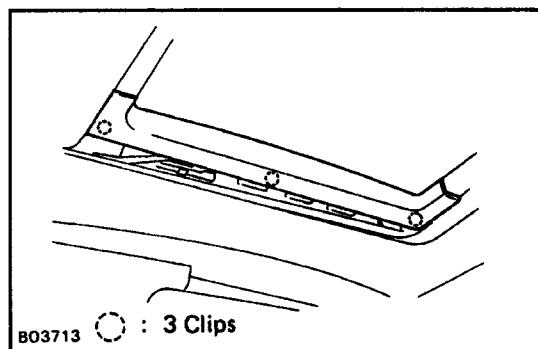
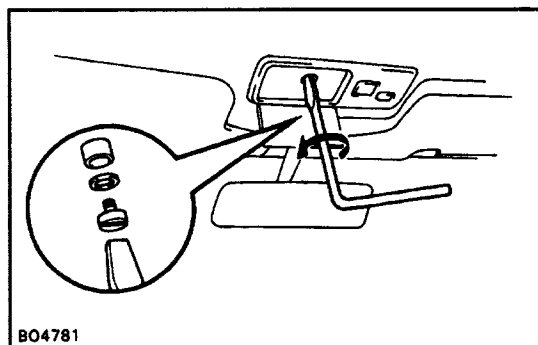
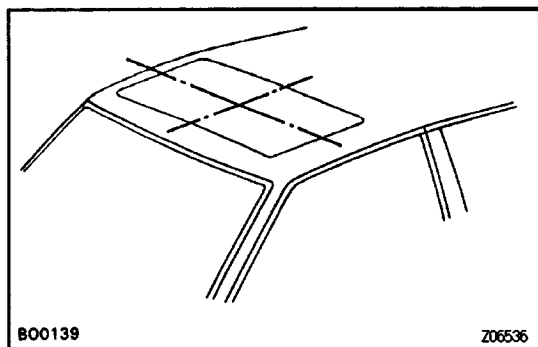


SLIDING ROOF COMPONENTS





ON-VEHICLE INSPECTION

INSPECT SLIDING ROOF GLASS ALIGNMENT

(a) Start the engine and check the operation time of the sun roof.

Operation time: Approx. 8 secs.

(b) Check for abnormal noise or binding during operation.

(c) With the sun roof fully closed, check for water leakage.

If the sliding roof does not operate:

(a) Open the holder of the control switch cover.

(b) Using a special crank-shaped screwdriver, remove the large screw inside.

NOTICE: Be careful not to lose the spring washer or shim.

(c) Manually operate the sliding roof by inserting a special crank-shaped screwdriver into the hole and turning the drive shaft.

SLIDING ROOF ADJUSTMENT

1. REMOVE INNER PANEL SIDE GARNISH

Before making adjustments, remove the inner panel side garnish.

HINT: After adjustment, reinstall the inner panel side garnish.

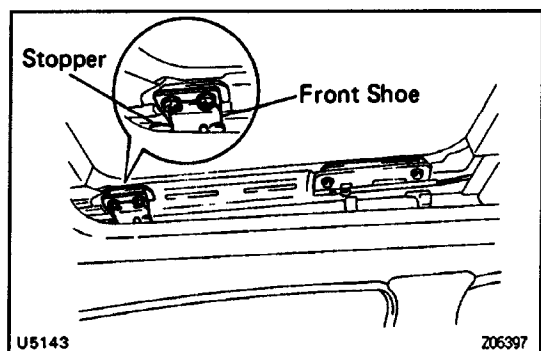
2. TO ADJUST LEVEL DIFFERENCE

Increase and decrease the number of shims.

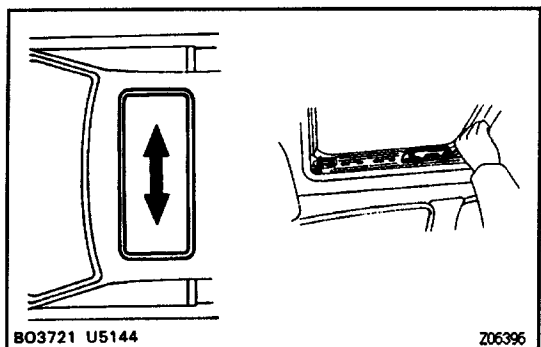
HINT: If the front of the sliding roof is high, even without a shoe shim, check to see if the front shoes are in contact with the stoppers.

3. TO ADJUST FORWARD OR REARWARD

Loosen the sliding roof installation bolts and move the sliding roof front shoe forward and rearward.

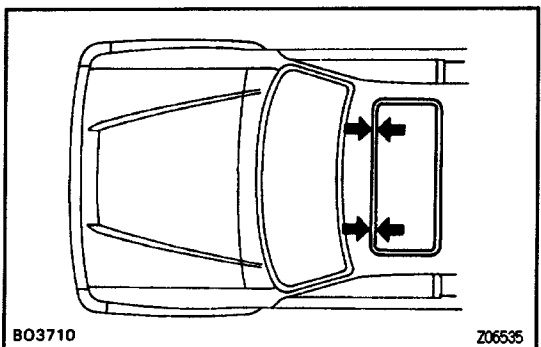


HINT: When the sliding roof is fully closed, confirm that the front shoes are in contact with the stopper.



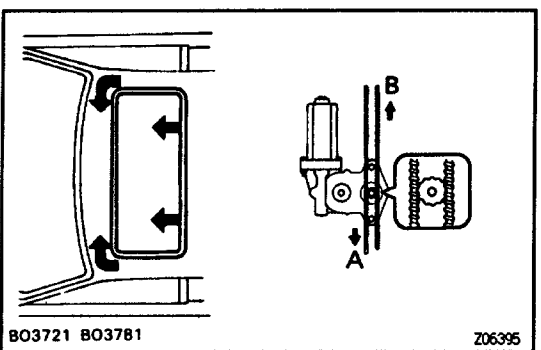
4. TO ADJUST RIGHT OR LEFT

Adjust by loosening the sliding roof rear shoe installation nuts, and move the sliding roof to the right and left.



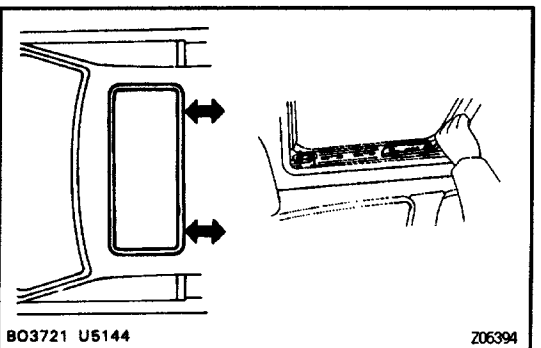
5. TO ADJUST CLEARANCE

(Difference in left and right clearance)



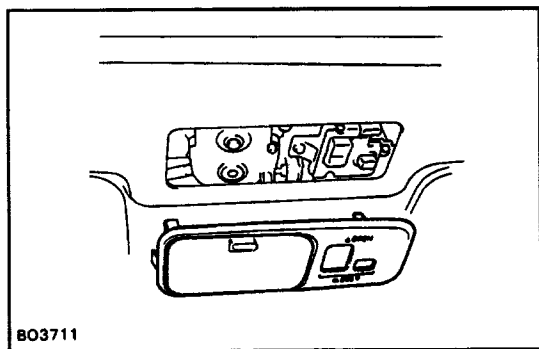
If the difference is about 2 mm (0.08 in.):

- Remove the drive motor and shift the cable one notch on the side with the larger clearance.
- Reinstall the motor.



If the difference is about 1 mm (0.04 in.):

Loosen the sliding roof rear shoe installation nuts and readjust the sliding roof to the proper position.



SLIDING ROOF REMOVAL

1. DISCONNECT BATTERY CABLE FROM NEGATIVE (-) TERMINAL

2. REMOVE CONTROL SWITCH COVER

Using a screwdriver, between the retaining clips and switch cover to pry it loose.

HINT: Tape the screwdriver tip before use.

NOTICE: Do not damage the roof headlining.

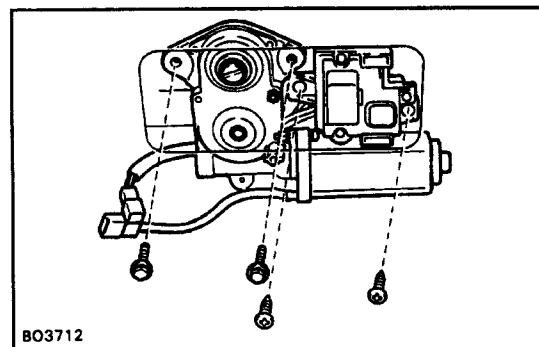
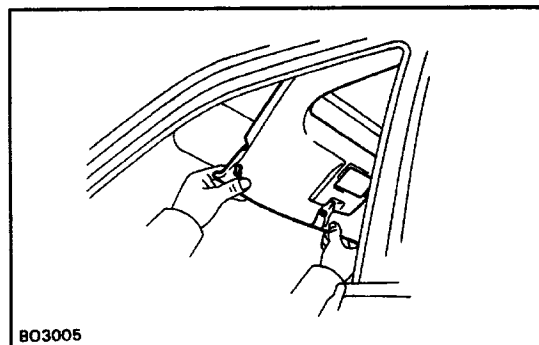
3. REMOVE THESE PARTS:

- (a) Assist grip
- (b) Front pillar garnish
- (c) Sun visor and holder
- (d) Inner rear view mirror
- (e) Opening trim moulding

4. PULL DOWN FRONT SIDE OF ROOF HEADLINING

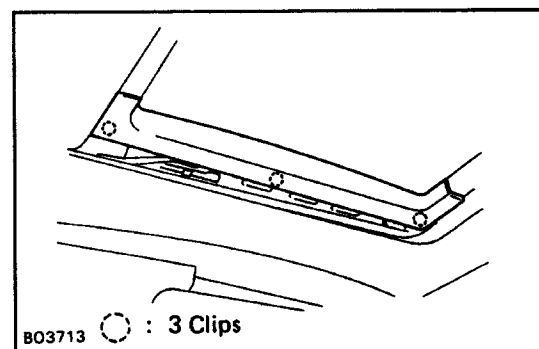
Pull down the headlining by hand

NOTICE: Do not damage the roof headlining.



6. REMOVE DRIVE MOTOR

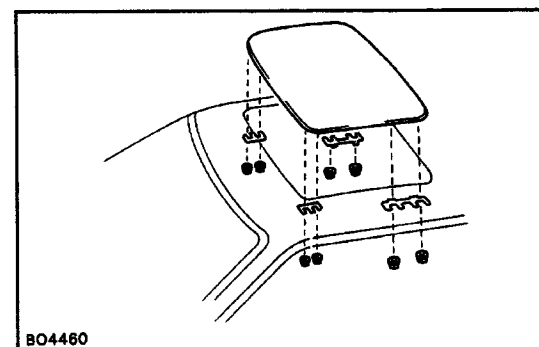
- (a) Remove the 2 bolts, 2 screws and the drive motor with control switch.
- (b) Disconnect the connectors.



6. REMOVE INNER PANEL SIDE GARNISH

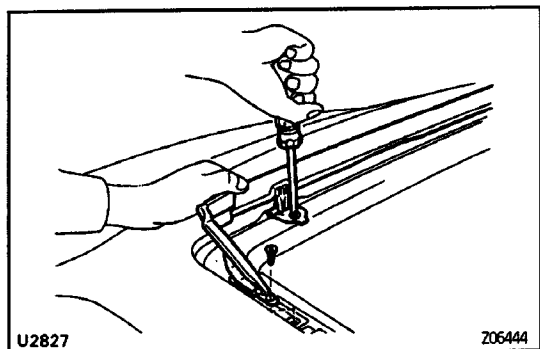
Using a screwdriver, pry loose the 3 clips and remove the inner panel side garnish.

HINT: Tape the screwdriver tip before use.



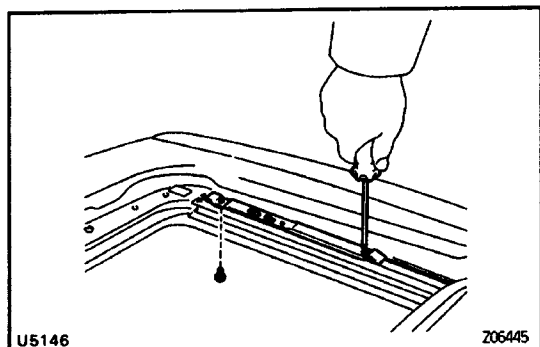
7. REMOVE SLIDING ROOF GLASS

- (a) Remove the 8 nuts and shims.
- HINT: Be sure the number of shims.
- (b) Pull the glass upward to remove it.



8. REMOVE WIND DEFLECTOR

Remove the 4 screws and the wind deflector.

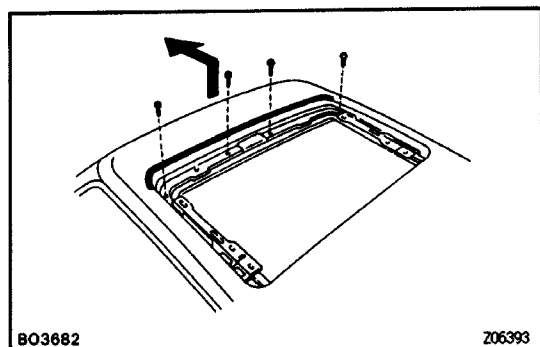


9. REMOVE GUIDE RAIL COVER

(a) Pull down the front of roof headlining to make the clearance between the roof headlining and the roof.

NOTICE: Do not damage the roof headlining.

(b) Remove the bolt, screw and the guide rail cover.

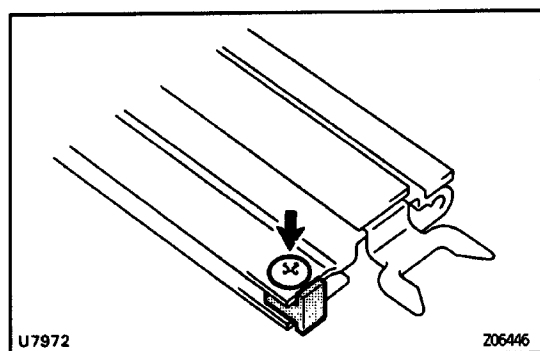


10. REMOVE CABLE GUIDE CASING

(a) Remove the 4 screws.

(b) Apply adhesive tape to protect the body.

(c) Pull the cable guide casing with the guide rail off forward to remove the 2 hooks, then remove the assembly.

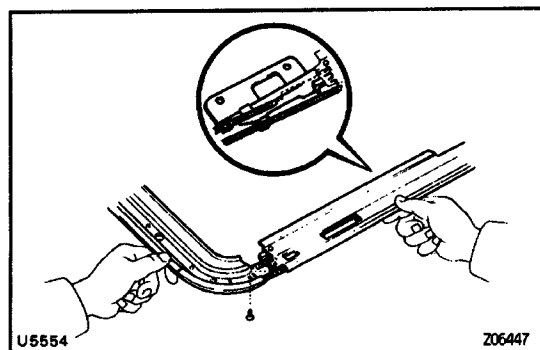


SLIDING DISASSEMBLY

1. REMOVE SUNSHADE TRIM

(a) Remove the 2 screws and the sunshade stoppers.

(b) Pull out the sunshade trim rearward.

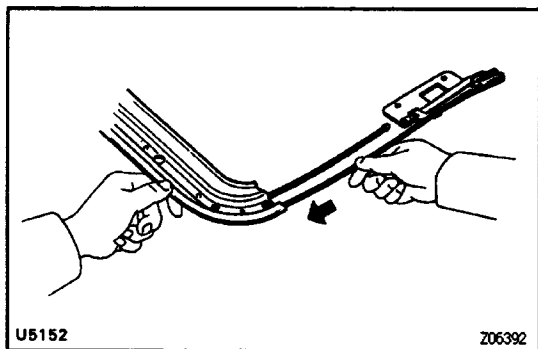


2. REMOVE CABLE GUIDE CASING FROM GUIDE RAIL

(a) Remove the 2 screws.

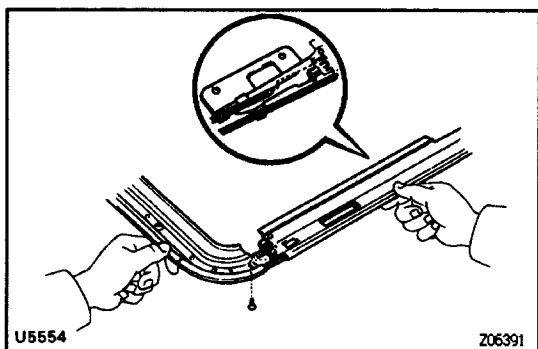
(b) Pull the cable guide casing forward to remove.

(c) Pull the drive cable from the cable guide casing.



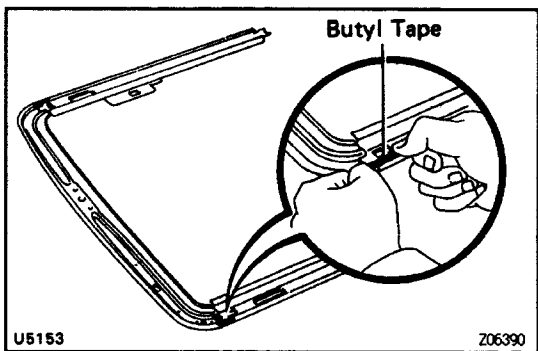
SLIDING ROOF ASSEMBLY

1. APPLY MP GREASE TO DRIVE CABLE
2. PLACE DRIVE CABLE INTO CABLE GUIDE CASING

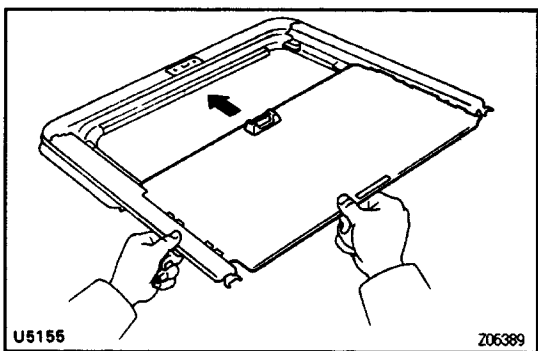


3. INSTALL CABLE GUIDE CASING TO ROOF GUIDE RAIL

- (a) Insert the drive cable into the rail, and align it with the guide casing.
- (b) Install the guide rail and guide casing with the 2 screws.

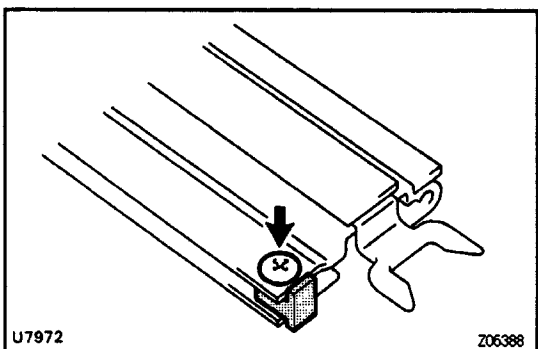


- (c) Use butyl tape to cover the cut portion of the weather-strip at the connection between the guide casing and guide rail.

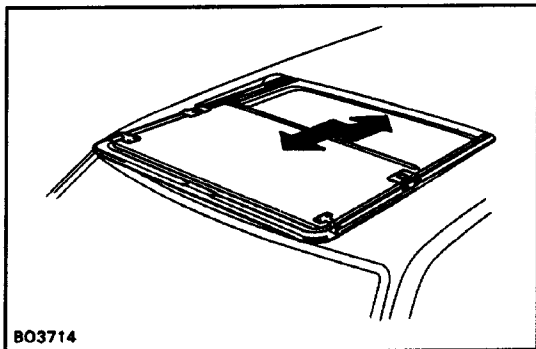


4. INSTALL SUNSHADE TRIM

- (a) Run the sunshade trim through the guide rail.



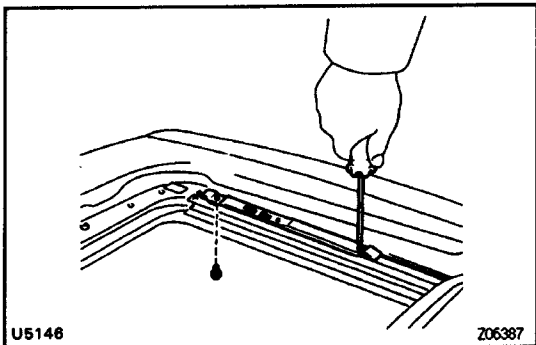
- (b) Install the sunshade stoppers with the 2 screws.



SLIDING ROOF INSTALLATION

1. INSTALL CABLE GUIDE CASING ONTO ROOF

- (a) Place the cable guide casing with the guide rail onto the roof.
- (b) Install the 4 screws.



2. INSTALL GUIDE RAIL COVER

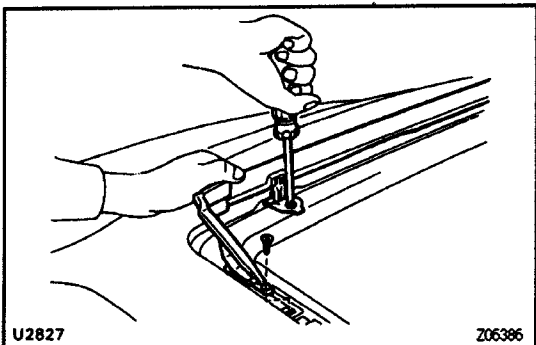
- (a) Apply liquid sealer to 2 or 3 threads of the bolt end.

Sealant:

Part No. 08833-00070, THREE BOND 1324, or equivalent

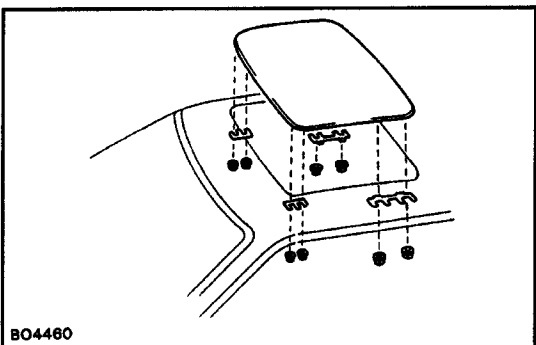
- (b) Install the guide rail cover with the bolt and screw.

NOTICE: Do not damage the roof headlining.



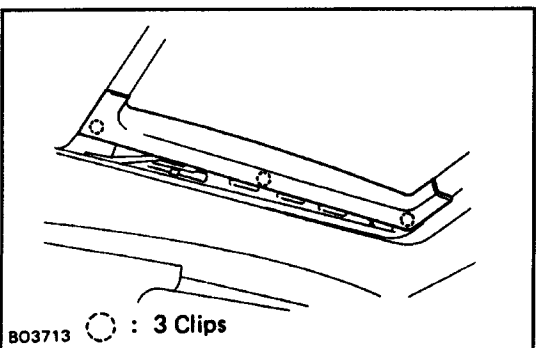
3. INSTALL WIND DEFLECTOR

Install the wind deflector with the 4 screws.



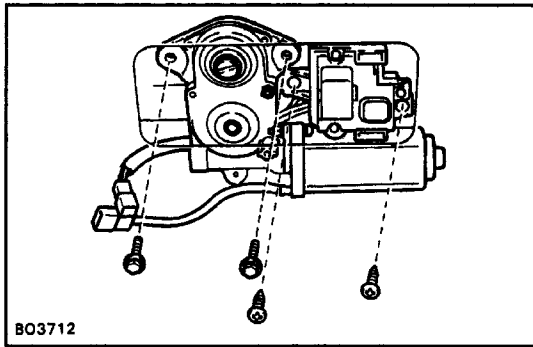
4. INSTALL SLIDING ROOF GLASS

Install the sliding roof glass and shims with the 8 nuts.



5. INSTALL INNER PANEL SIDE GARNISH

Install the inner panel side garnish with retainers to the sliding roof glass by tapping.

**6. INSTALL DRIVE MOTOR**

- (a) Set the sliding roof glass in closed position by hand.
HINT: Be sure that the clearance between the left and right of the sliding roof glass and roof panel are equal.
- (b) Connect the connectors.
- (c) Install the control switch and the drive motor with the 2 bolts and 2 screws.

7. INSTALL THESE PARTS:

- (a) Opening trim moulding
- (b) Inner rear view mirror
- (c) Sun visor and holder
- (d) Front pillar garnish
- (e) Assist grip
- (f) Control switch cover

8. CONNECT BATTERY CABLE TO NEGATIVE (–) TERMINAL**9. INSPECT AND ADJUST SLIDING ROOF**