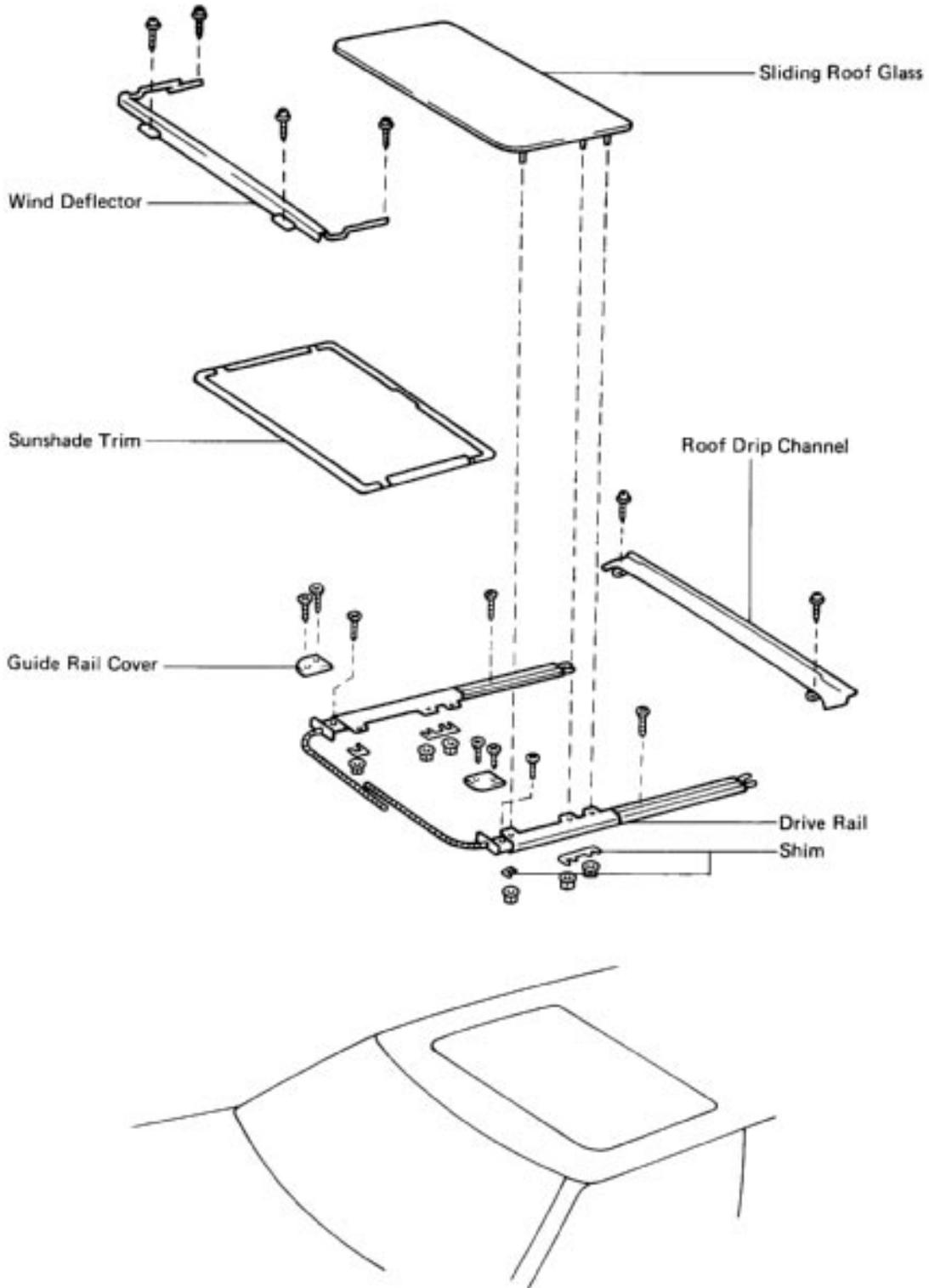
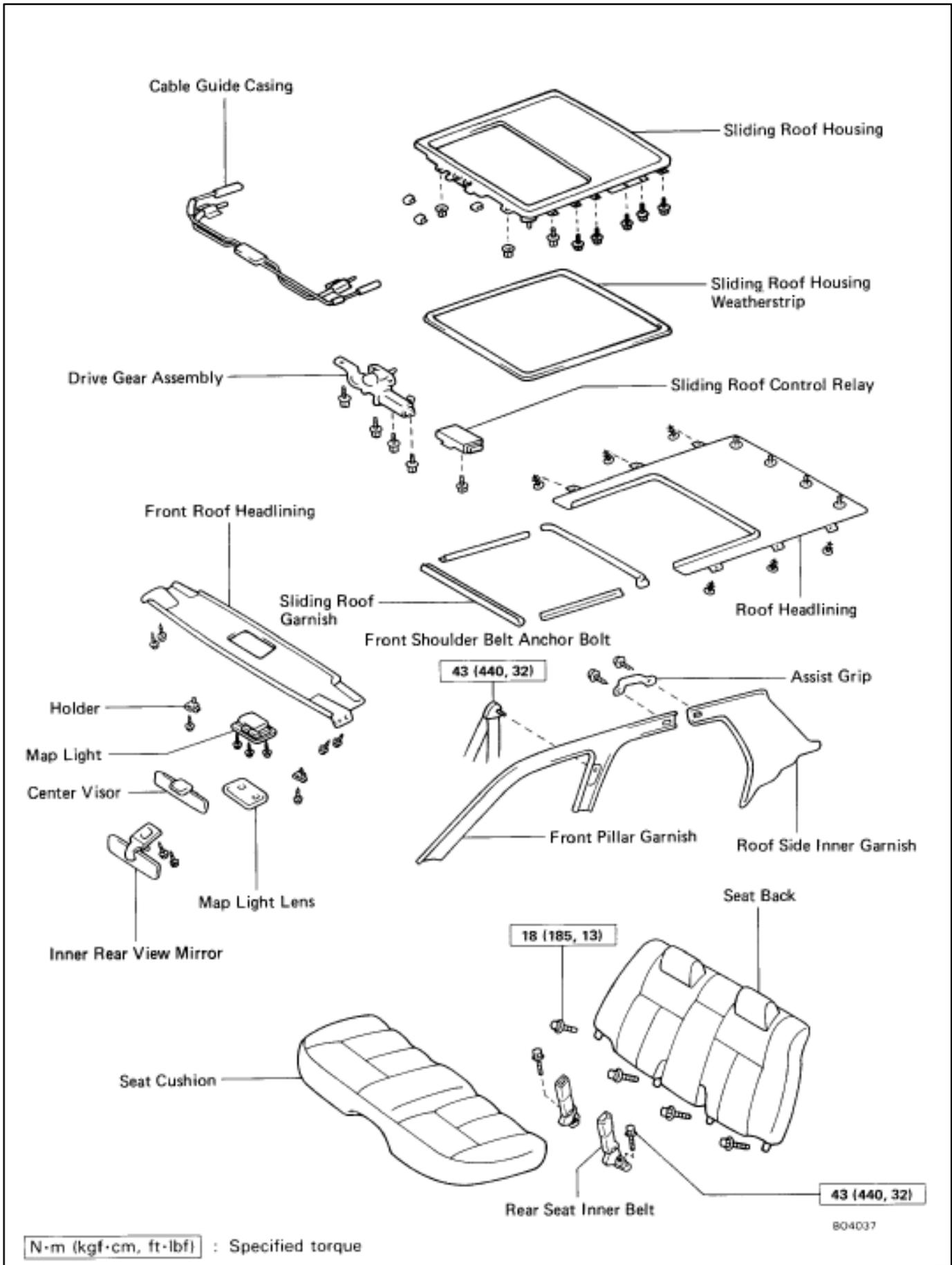


# Sliding Roof COMPONENTS



# COMPONENTS (Cont'd)



## REMOVAL OF SLIDING ROOF

(See pages [BO-110](#) to 111)

### 1. DISCONNECT BATTERY CABLE FROM NEGATIVE TERMINAL

**CAUTION:** Work must be started after approx. 30 seconds or longer from the time the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.

### 2. REMOVE MAP LIGHT

(a) Using a screwdriver, remove map light lens.

HINT: Tape the screwdriver tip before use.

(b) Remove three screws and the light.

(c) Disconnect the connector.

### 3. REMOVE FOLLOWING PARTS:

(a) Front pillar garnish (See step 1 on page [BO-163](#))

(b) Center visor and inner rear view mirror (See step 2 on page [BO-163](#))

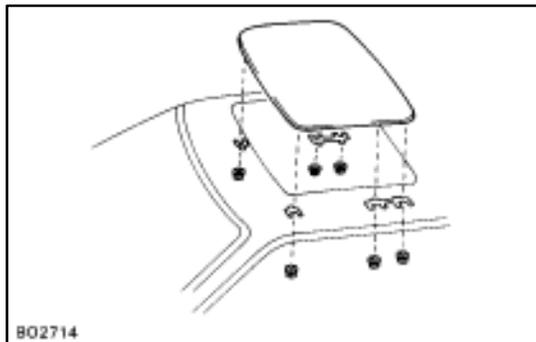
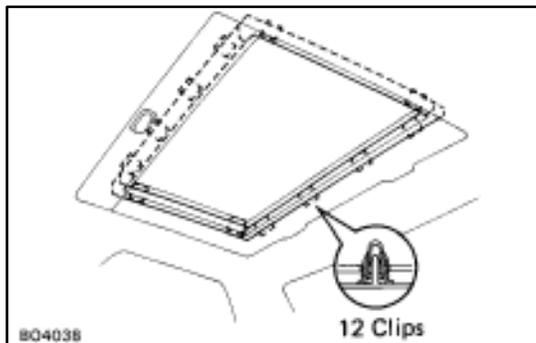
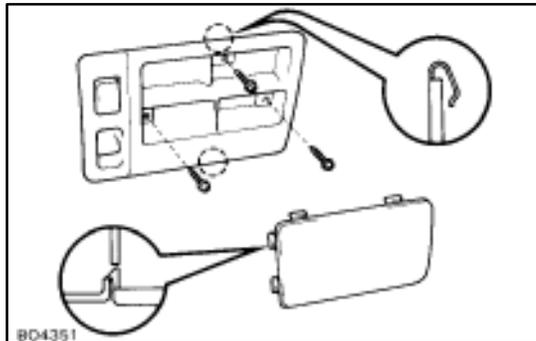
(c) Holders (See step 2 on page [BO-163](#))

(d) Front roof headlining (See step 2 on page [BO-163](#))

### 4. REMOVE SLIDING ROOF GARNISHES

Using a screwdriver, remove four sliding roof garnishes.

HINT: Do not scratch the glass or garnish with the screwdriver. Tape the screwdriver tip before use.



### 5. REMOVE SLIDING ROOF GLASS

(a) Remove six nuts and shims.

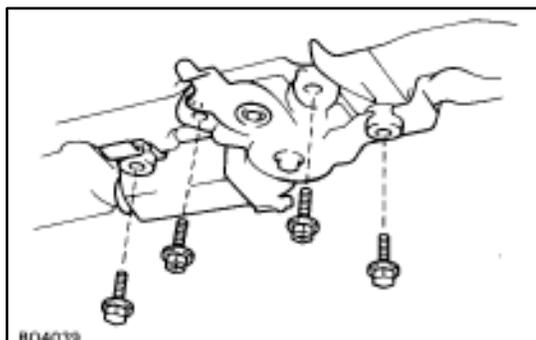
HINT: Make sure of the number of shims.

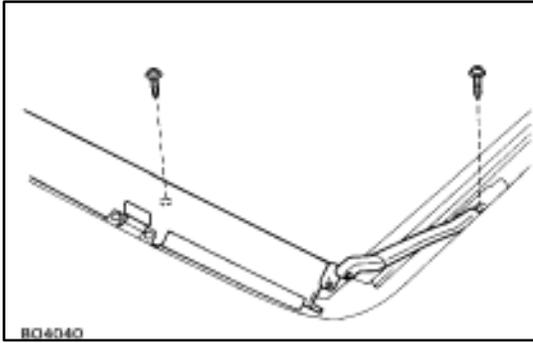
(b) Pull the glass upward to remove it.

### 6. REMOVE DRIVE GEAR ASSEMBLY

(a) Remove four bolts and the gear assembly.

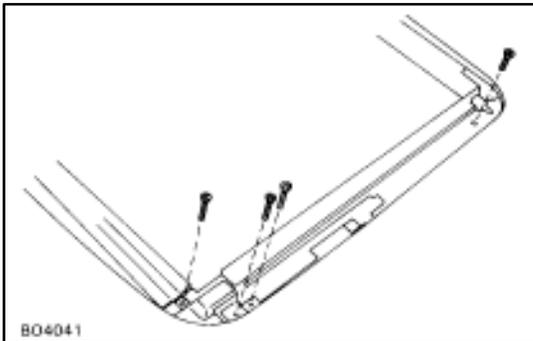
(b) Disconnect the connectors from the gear.





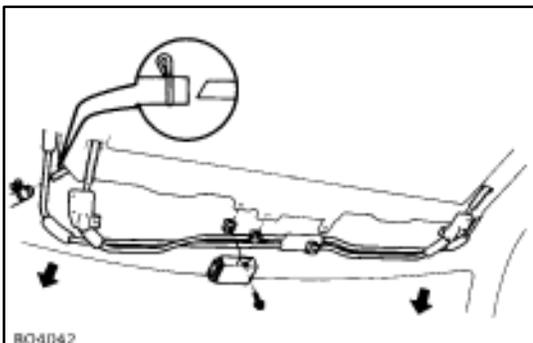
## 7. REMOVE WIND DEFLECTOR

- (a) Slide the drive cable backward.
- (b) Remove four screws and the deflector.



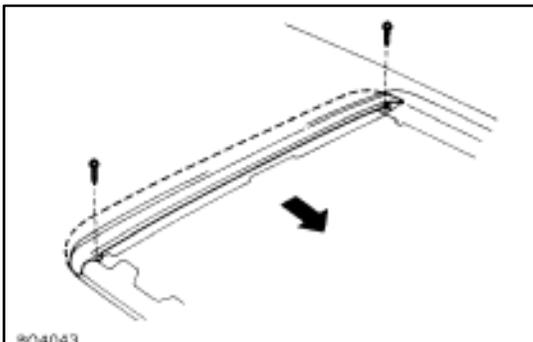
## 8. REMOVE CABLE GUIDE CASING

- (a) Remove two screws and the guide rail cover.
- (b) Remove two screws from the drive rail.
- (c) Slide the drive cable forward.



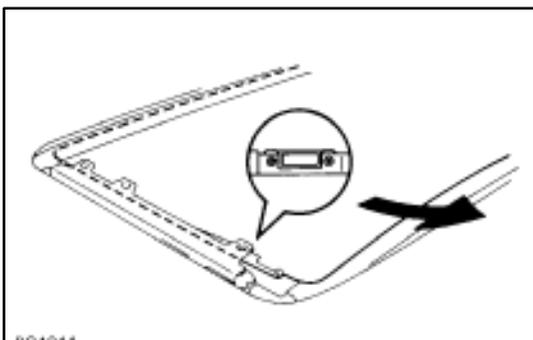
- (d) Disconnect front side of the drain hose.  
HINT: Disconnect the drain hose from the sliding roof housing side.
- (e) Remove the sliding roof control relay.
- (f) Remove the two nuts from the sliding roof housing.
- (g) Remove the cable guide casing gradually from both sides.

**NOTICE:** Be careful that the oily cable doesn't fall off.



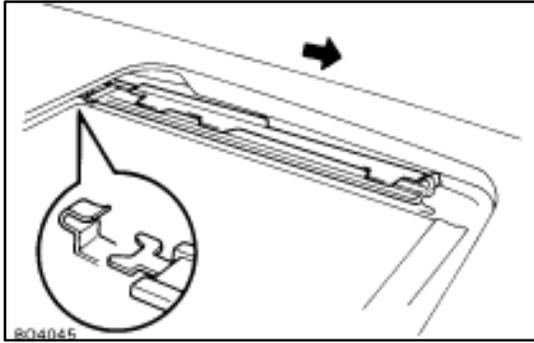
## 9. REMOVE ROOF DRIP CHANNEL

- (a) Remove two screws.
- (b) Pull the channel forward to remove it.



## 10. REMOVE SUNSHADE TRIM

While raising the drive rail, pull the trim forward to remove it.

**11. REMOVE DRIVE RAIL**

- (a) Slide the drive cable forward.
- (b) Slide the rail forward and disconnect the clamp, then remove it.

**INSTALLATION OF SLIDING ROOF**

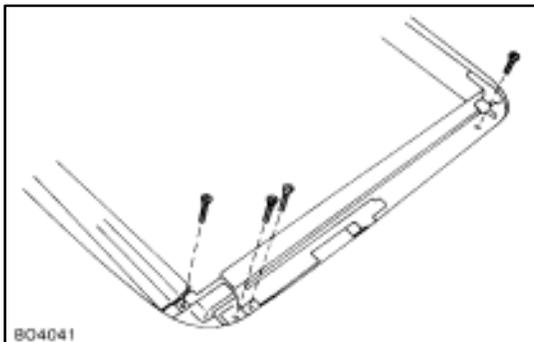
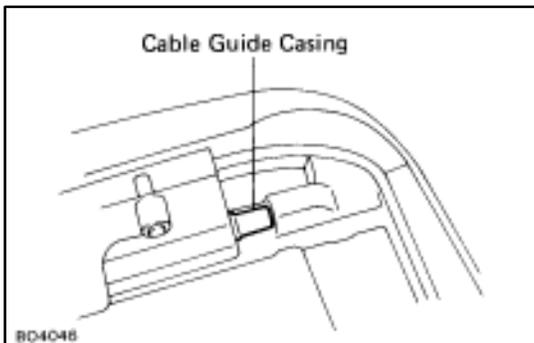
(See pages [B0-110](#) to 111)

**1. INSTALL FOLLOWING PARTS:**

- (a) Drive rail
- (b) Sunshade trim
- (c) Roof drip channel

**2. INSTALL CABLE GUIDE CASING**

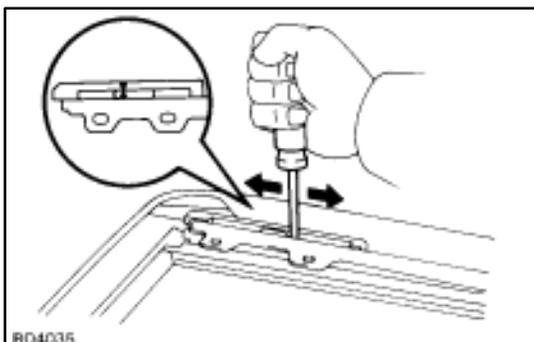
- (a) Insert the cable to the casing and install the cable guide casing gradually to both sides.
  - (b) Insert the casing to the drive rail as shown.
  - (c) Install the two nuts to the sliding roof housing.
  - (d) Install the sliding roof control relay.
  - (e) Connect the front side of drain hose.
- HINT: Place the knobs of clips to upper side.

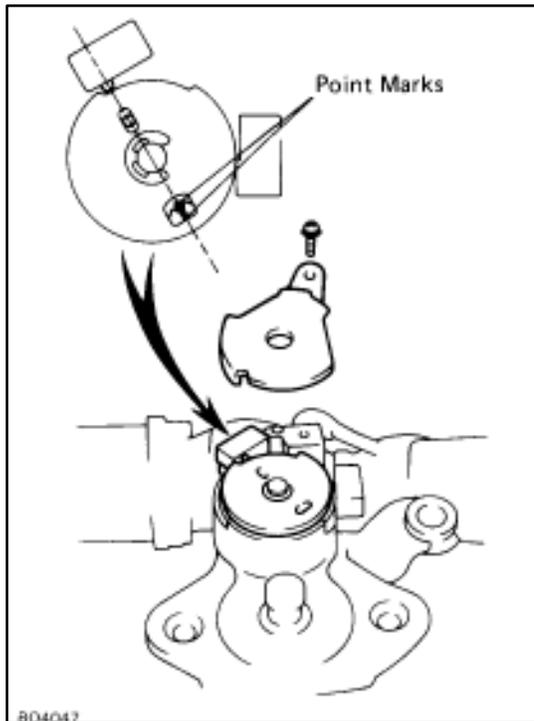


- (f) Install two screws and guide rail cover.
- (g) Install two screws to the drive rail.

**3. INSTALL ROOF DRIP CHANNEL****4. INSTALL WIND DEFLECTOR****5. ADJUST DRIVE RAIL**

- HINT: Adjust the drive rail to a closed and tilted down position.
- (a) Using a screwdriver, slide the link forward or backward to align the two marks as shown.
  - (b) Slide the bracket to the forefront with your hand.





## 6. ADJUST AND INSTALL DRIVE GEAR ASSEMBLY

- (a) Remove the screw and cam plate cover.
- (b) Remove the large screw, washers and shims.
- (c) Turn the drive shaft by screwdriver to align the housing and gear point mark as shown.
- (d) Install cam plate cover with a screw.
- (e) Install the drive gear assembly with four bolts.
- (f) Connect the connectors.

## 7. INSTALL SLIDING GLASS

### HINT:

- Confirm that the lip part of the weatherstrip housing is not twisted.
- Confirm that the clearance between the left and right of the sliding roof glass and roof panel are equal.

Install six nuts and shims.

## 8. INSPECT SLIDING ROOF GLASS ALIGNMENT

(See step 1 on page [B0-108](#))

## 9. INSTALL FOLLOWING PARTS:

- (a) Sliding roof garnishes
  - (b) Front roof headlining
  - (c) Holders
  - (d) Center visor and inner rear view mirror
  - (e) Front pillar garnish
  - (f) Front seat belt shoulder anchor bolt
- Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)**
- (g) Map light

## REMOVAL OF SLIDING ROOF HOUSING

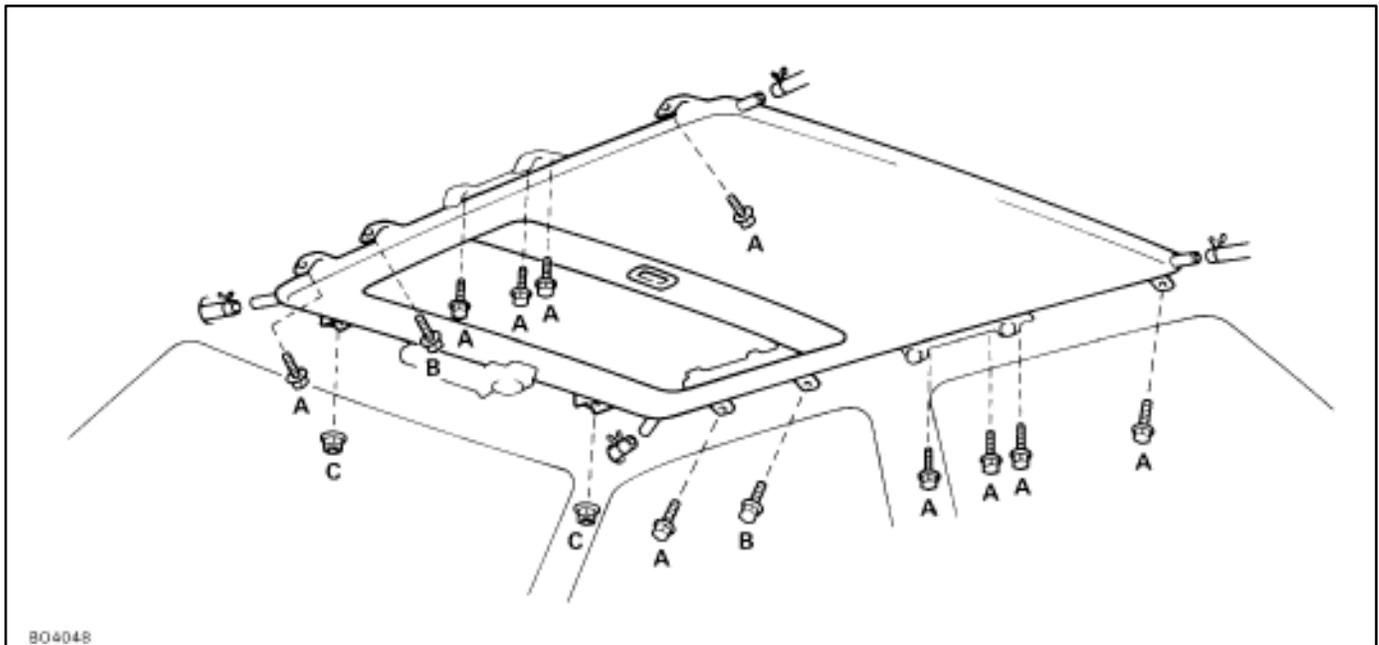
(See pages [BO-110](#) to [111](#))

### 1. REMOVE FOLLOWING PARTS:

- (a) Map light (See step 2 on page [BO-163](#))
- (b) Front pillar garnish (See step 1 on page [BO-163](#))
- (c) Rear seat cushion, rear seat inner belt and the back (See steps 1 to 3 on page [BO-86](#))
- (d) Roof side inner garnish (See step 6 on page [BO-164](#))
- (e) Center visor and inner rear view mirror (See step 2 on page [BO-163](#))
- (f) Holders (See step 2 on page [BO-163](#))
- (g) Front roof headlining (See step 2 on page [BO-163](#))
- (h) Sliding roof garnishes (See step 4 on page [BO-112](#))
- (i) Roof headlining (See step 1 on page [BO-160](#))
- (j) Sliding roof glass (See step 5 on page [BO-112](#))

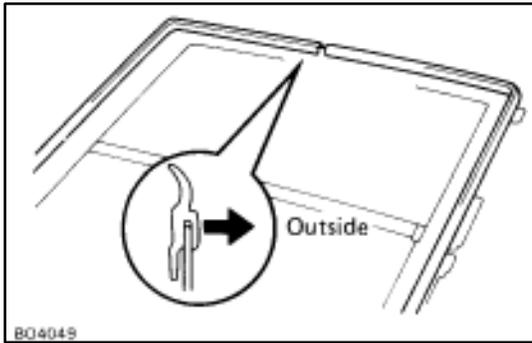
### 2. REMOVE SLIDING ROOF HOUSING

- (a) Disconnect the four drain hoses from the housing.
- (b) Disconnect the connectors.
- (c) Remove ten A bolts.
- (d) While supporting the housing, remove two B bolts and two C nuts.



### 3. REMOVE FOLLOWING PARTS:

- (a) Drive gear assembly (See step 6 on page [BO-112](#))
- (b) Sliding roof control relay (See step 8 on page [BO-113](#))
- (c) Wind deflector (See step 7 on page [BO-113](#))
- (d) Roof drip channel (See step 9 on page [BO-113](#))
- (e) Cable guide casing (See step 8 on page [BO-113](#))
- (f) Sunshade trim (See step 10 on page [BO-113](#))
- (g) Drive rail (See step 11 on page [BO-114](#))



4. **REMOVE SLIDING ROOF HOUSING WEATHERSTRIP**  
Pry loose the weatherstrip by hand.

## INSTALLATION OF SLIDING ROOF HOUSING

(See pages [B0-110](#) to 111)

1. **INSTALL SLIDING ROOF PARTS BY FOLLOWING REMOVAL SEQUENCE IN REVERSE**

HINT: When installing the sliding roof housing weather-strip, make sure that there is no clearance in either lip of the weatherstrip.

2. **TORQUE FOLLOWING BOLTS:**

(a) Rear seat back

**Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)**

(b) Rear seat inner belt

**Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)**

(c) Front seat belt shoulder anchor bolt

**Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)**