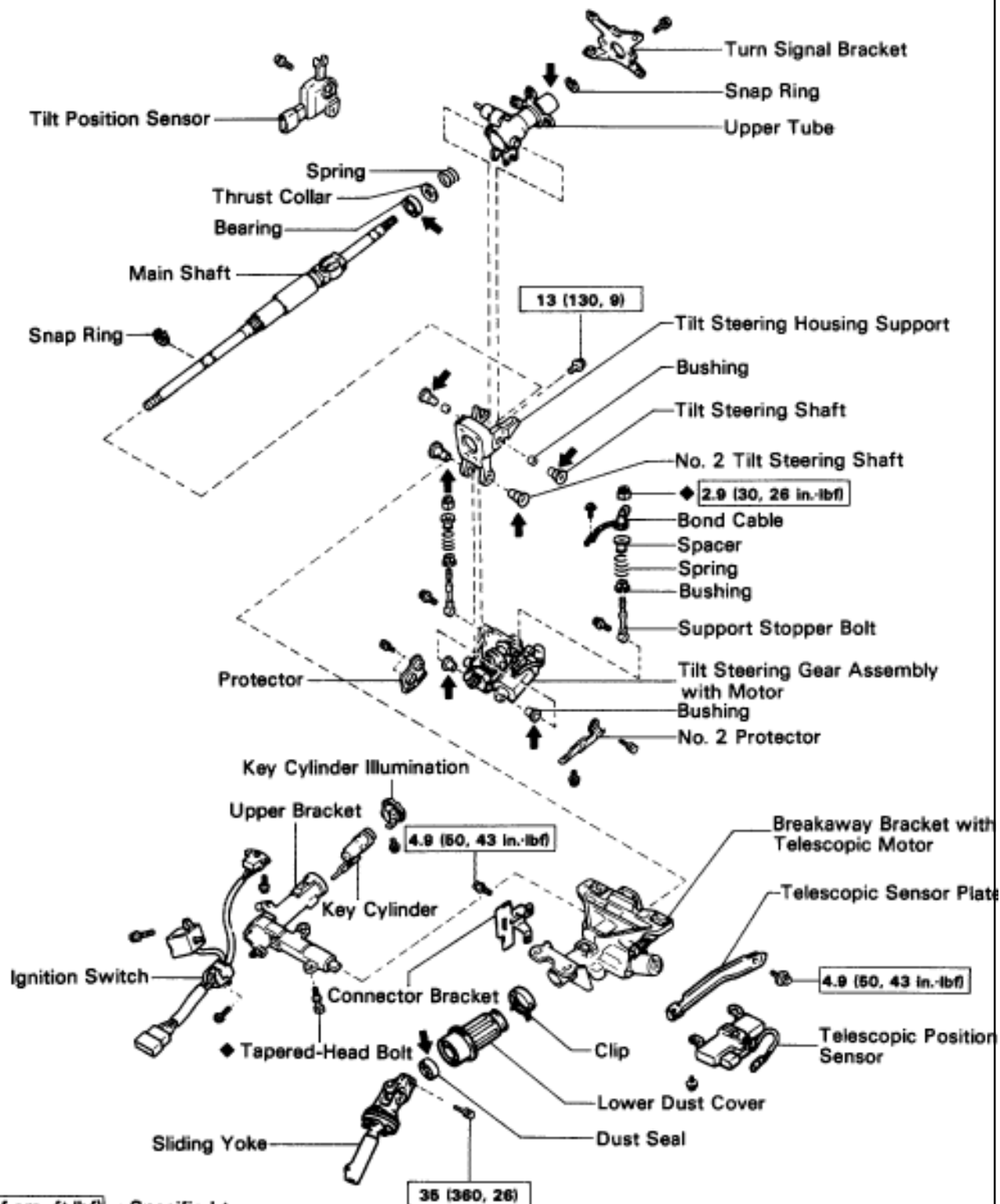


Power Tilt and Power Telescopic Steering Column COMPONENTS

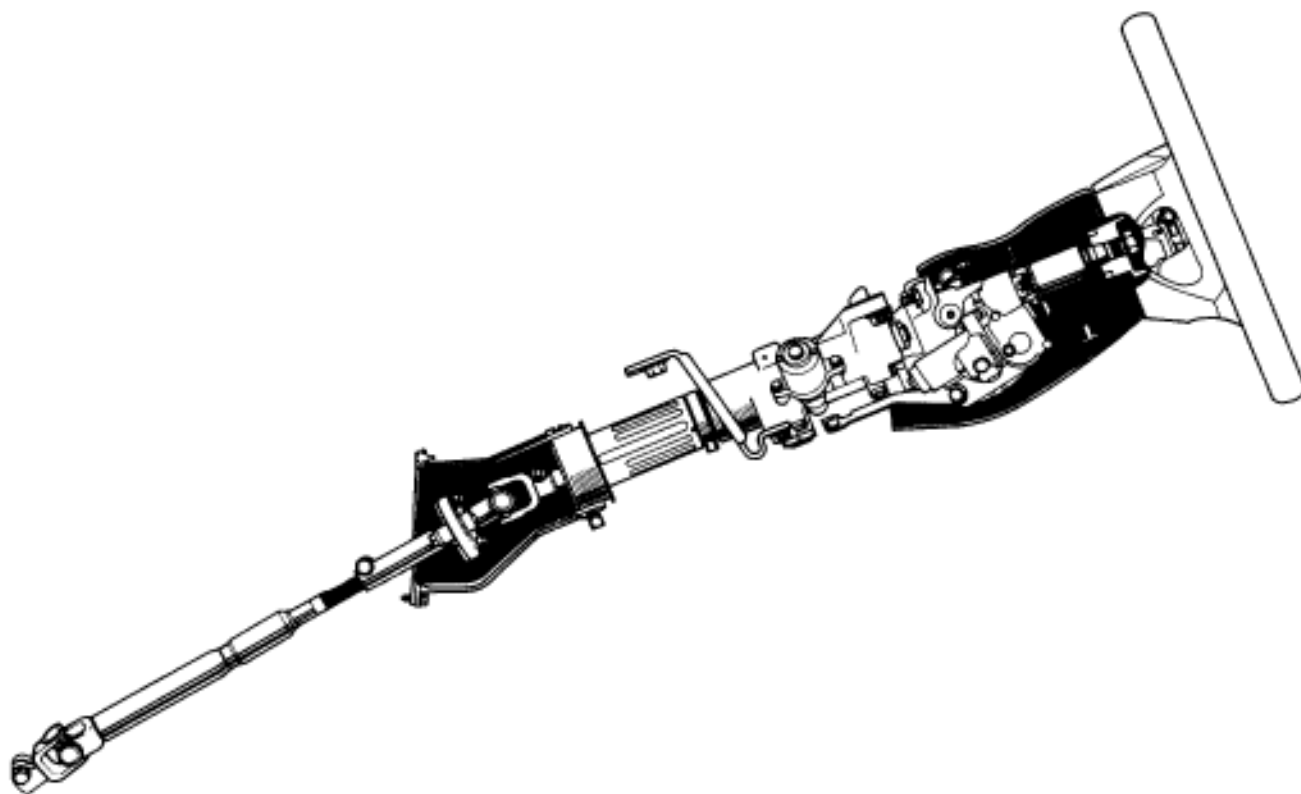
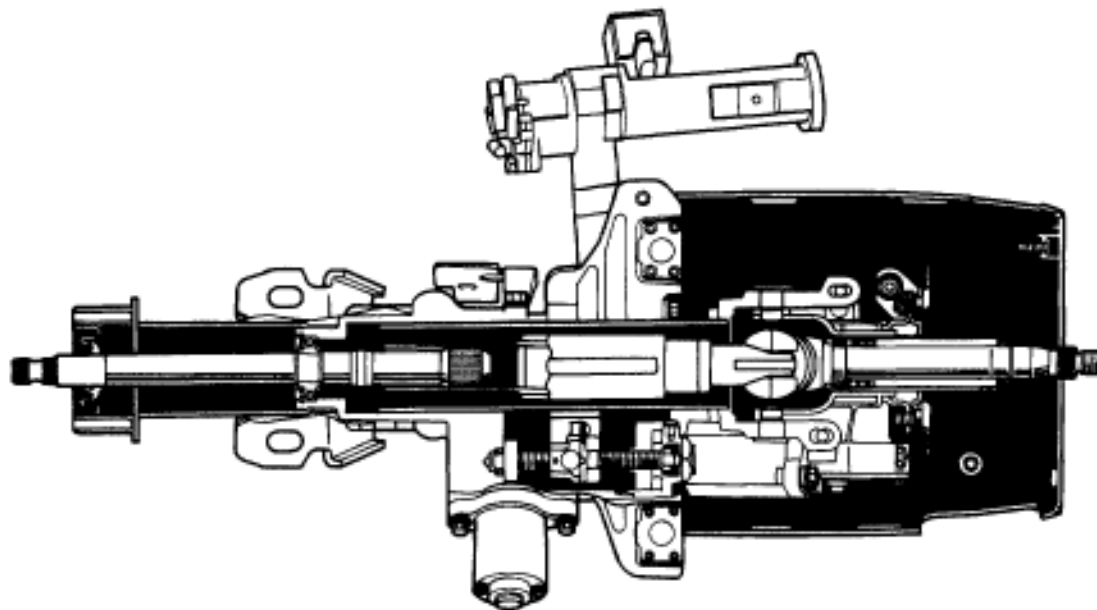


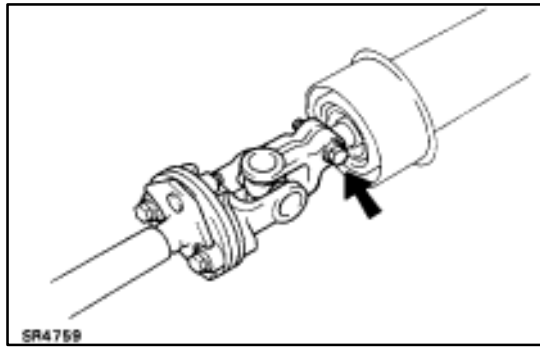
[N·m (kgf·cm, ft·lbf)] : Specified torque

◆ Non-reusable part

➡ Apply Molybdenum Disulphide Lithium Base Grease

SECTIONAL VIEW

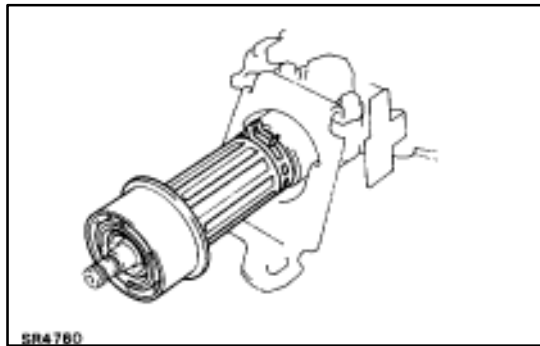




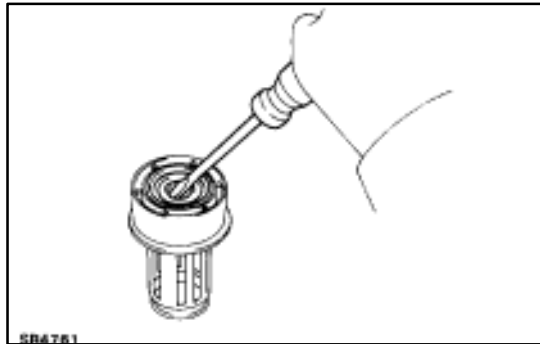
DISASSEMBLY OF STEERING COLUMN

NOTICE: When placing the breakaway bracket in a vise during disassembly or assembly of the steering column, use aluminum, etc. to prevent scratches to the tip of the capsule.

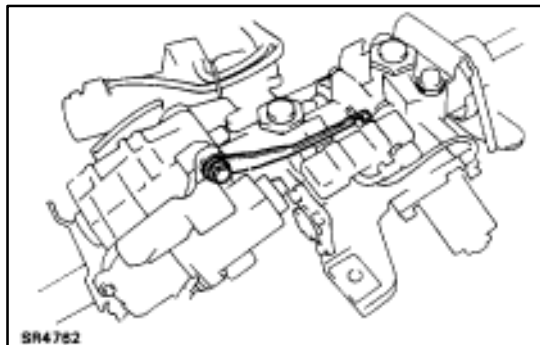
1. REMOVE IGNITION KEY CYLINDER ILLUMINATION
2. REMOVE SLIDING YOKE



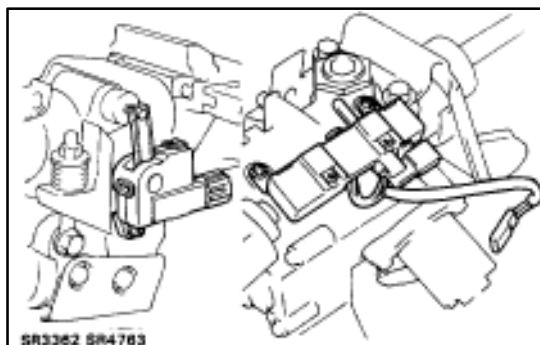
3. REMOVE LOWER DUST COVER
 - (a) Remove the clip and dust cover.



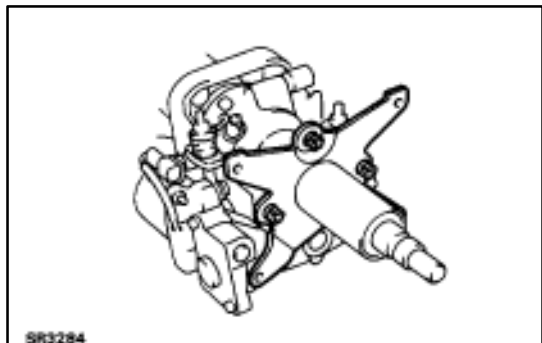
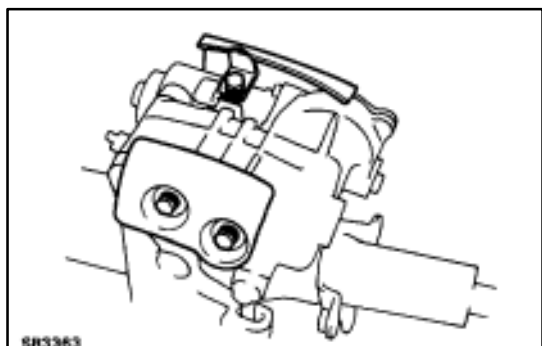
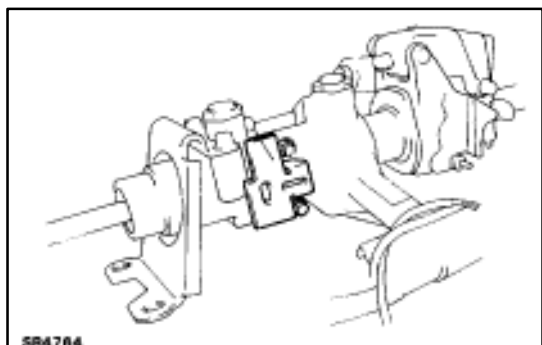
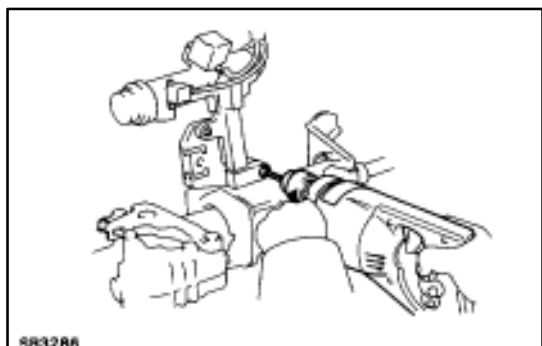
- (b) Using a screwdriver, remove the dust seal.



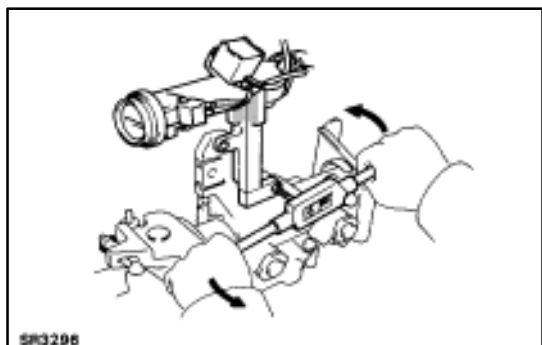
4. REMOVE TELESCOPIC SENSOR PLATE



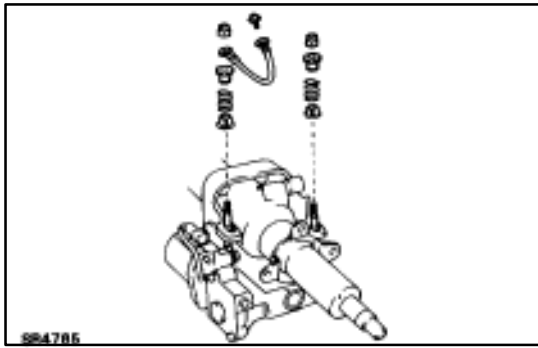
5. REMOVE TILT AND TELESCOPIC POSITION SENSORS

**6. REMOVE TURN SIGNAL BRACKET****7. REMOVE PROTECTOR AND NO. 2 PROTECTOR****8. REMOVE CONNECTOR BRACKET****9. REMOVE UPPER BRACKET**

- Using a centering punch, mark the center of the tapered-head bolts.
- Using a 4–5 mm (0.16–0.20 in.) drill, drill into the tapered-head bolts.

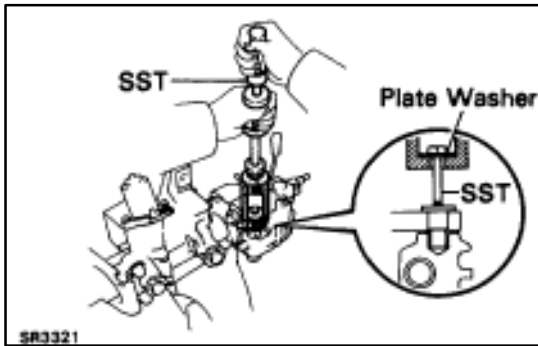


- Using a screw extractor, remove the tapered-head bolts.
- Remove the two bolts, and separate the upper bracket and the breakaway bracket.



10. REMOVE TILT STEERING GEAR ASSEMBLY WITH MOTOR

- (a) Remove the two nuts, spacers, springs, bushings and bond cable.

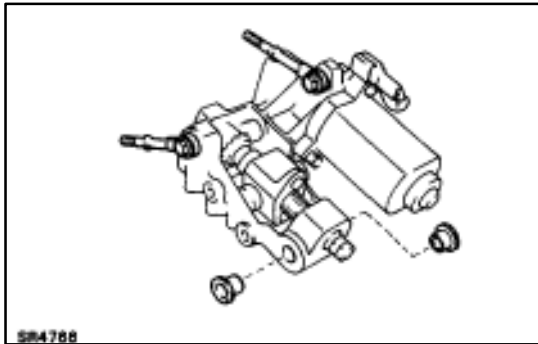


- (b) Set SST and plate washer (36 mm outer diameter) as shown, and then remove the two No. 2 tilt steering shafts.

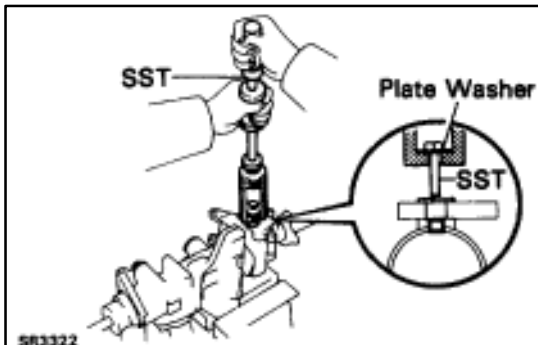
SST 09213-54015 (09214-00030),
09910-00015 (09911-00011, 09912-00010)

(Reference) Plate washer 90201-10201

- (c) Remove the tilt steering gear assembly.



- (d) Remove the two bushings and support stopper bolts.

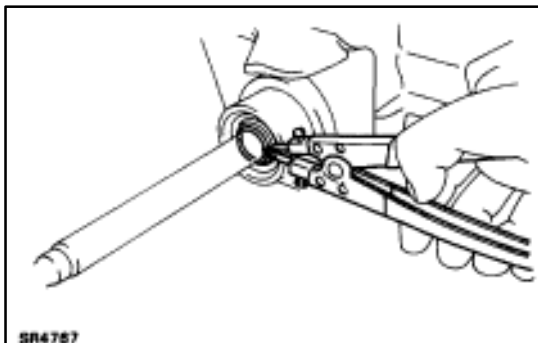


11. REMOVE UPPER TUBE WITH MAIN SHAFT

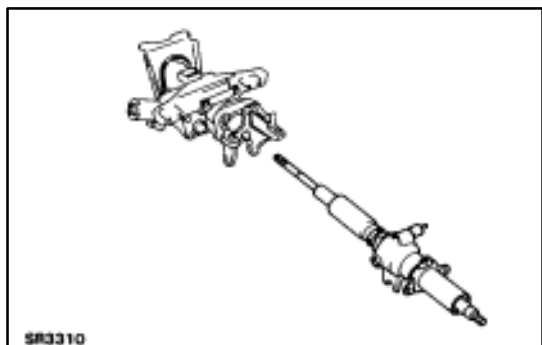
- (a) Set SST and plate washer (36 mm outer diameter) as shown, and then remove the two tilt steering shafts.

SST 09213-54015 (09214-00030),
09910-00015 (09911-00011, 09912-00010)

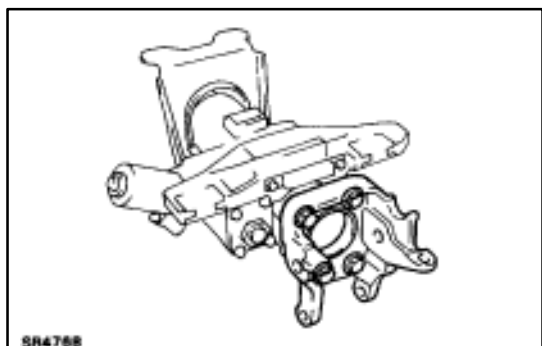
(Reference) Plate washer 90201-10201



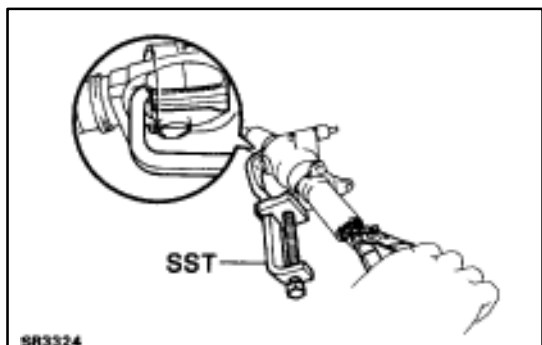
- (b) Using snap ring pliers, remove the snap ring from the main shaft.



- (c) Remove the upper tube and main shaft from the lower tube.

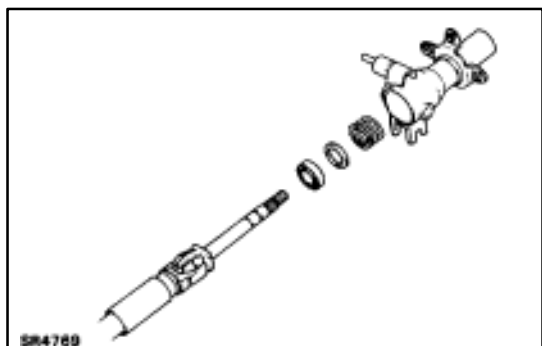


12. REMOVE TILT STEERING HOUSING SUPPORT

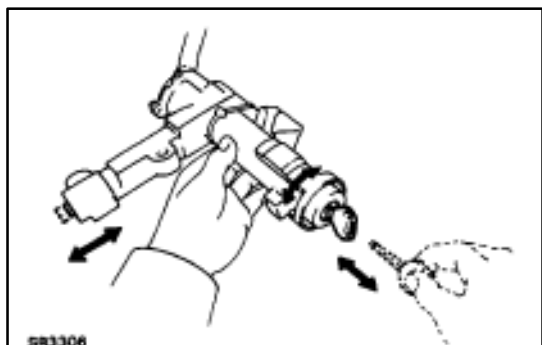


13. REMOVE MAIN SHAFT

- (a) Using SST to compress the main shaft spring, remove the snap ring with snap ring pliers.
SST 09950-20017



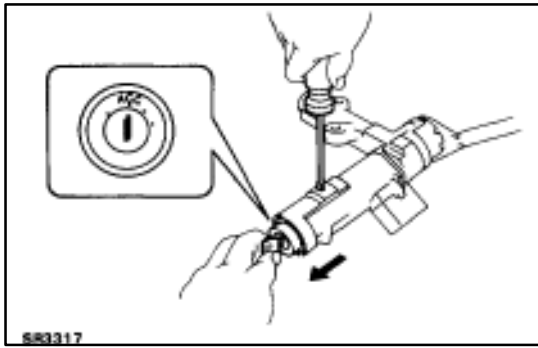
- (b) Remove the main shaft from the upper tube.
(c) Remove the spring, thrust collar and bearing.



INSPECTION AND REPLACEMENT OF STEERING COLUMN

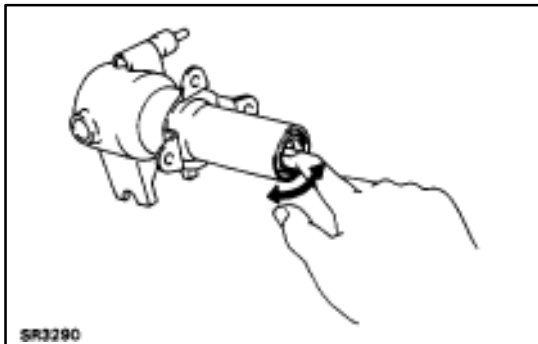
1. INSPECT KEY CYLINDER

Check that the steering lock mechanism operates properly.



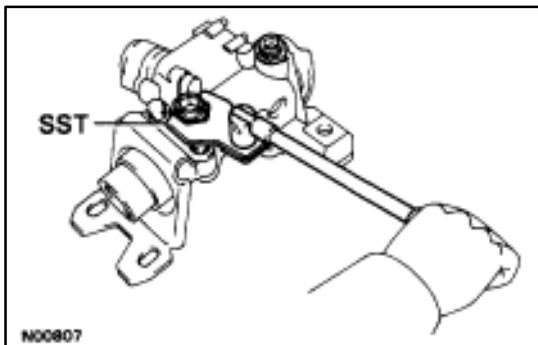
2. IF NECESSARY, REPLACE KEY CYLINDER

- Place the ignition key at the ACC position.
- Push down the stop pin with a thin rod, and pull out the key cylinder.
- Make sure the ignition key is at the ACC position.
- Install a new key cylinder.



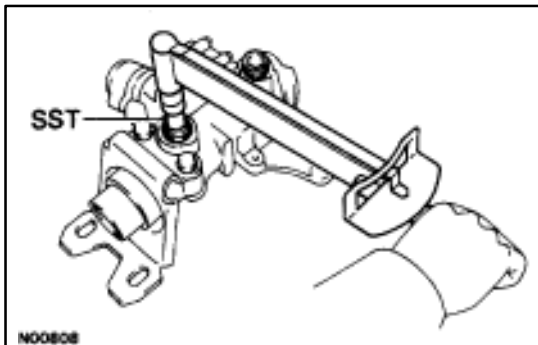
3. INSPECT UPPER BEARING

Check the upper bearing rotation condition and check for abnormal noise.



4. IF NECESSARY, ADJUST TELESCOPIC ADJUSTING SCREWS

- Using SST, remove the lock nuts.
SST 09617-14010

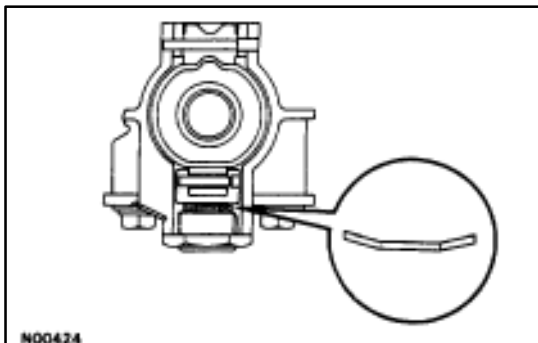


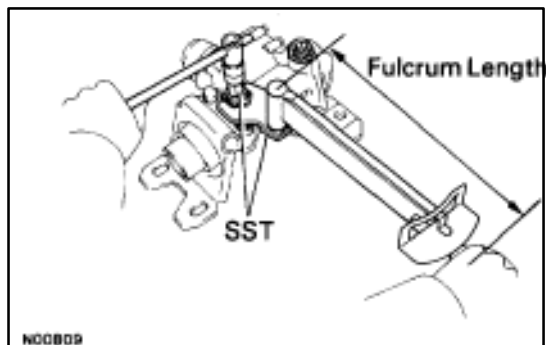
- Using SST, tighten the adjusting screws.
SST 09923-00010

Torque: 6.9 N·m (70 kgf·cm, 61 in.·lbf)

NOTICE:

- If the adjusting screw is tightened higher than the specified torque, the telescopic mechanism may malfunction. Conversely, if the torque applied is too low, rattling may develop in the column, so the specified torque should always be applied.
- When the adjusting screw and conical springs have been removed, replace the conical springs facing in the direction shown in the illustration.



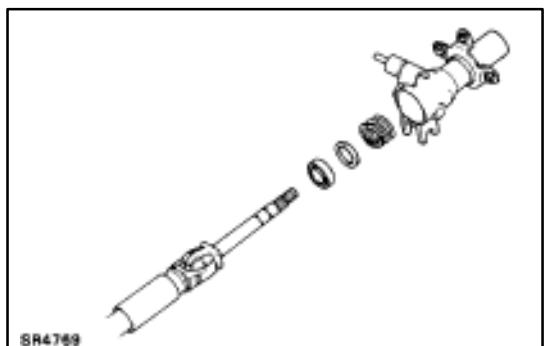


(c) Using SST, install the lock nuts.

SST 09617-14010, 09923-00010

Torque: 31 N·m (320 kgf·cm, 23 ft·lbf)

HINT: Use a torque wrench with a fulcrum length of 340 mm (13.39 in.).



ASSEMBLY OF STEERING COLUMN

(See page [SR-8](#))

1. APPLY MOLYBDENUM DISULPHIDE LITHIUM BASE GREASE

(See page [SR-8](#))

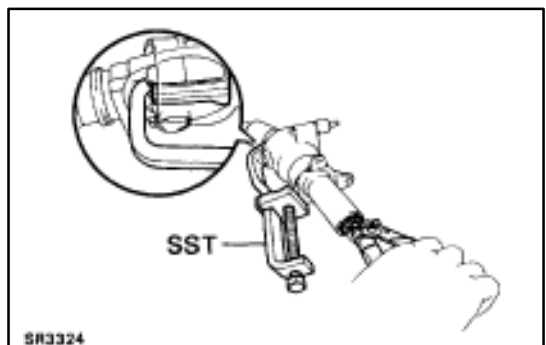
2. INSTALL MAIN SHAFT

(a) Install the bearing, thrust collar and spring to the main shaft.

(b) Insert the main shaft into the upper tube.

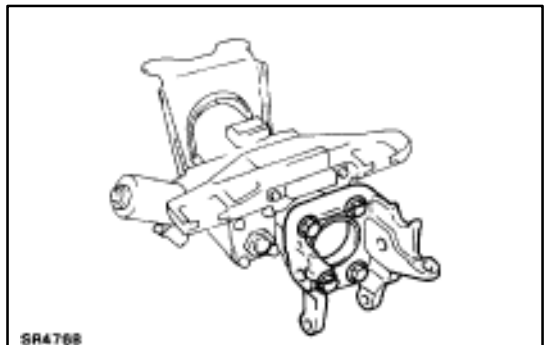
(c) Using SST to compress the main shaft spring, install the snap ring with snap ring pliers.

SST 09950-20017



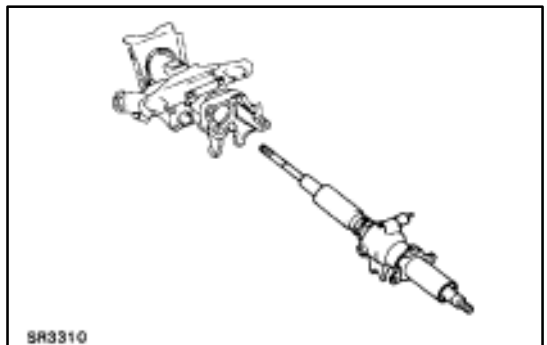
3. INSTALL TILT STEERING HOUSING SUPPORT

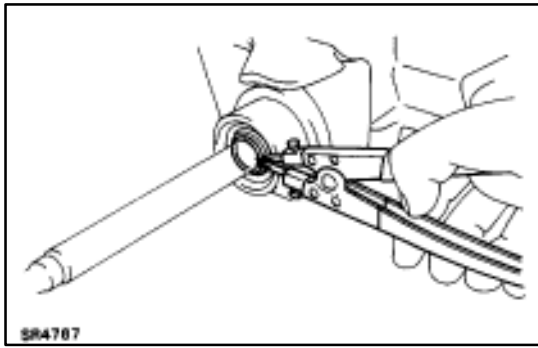
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)



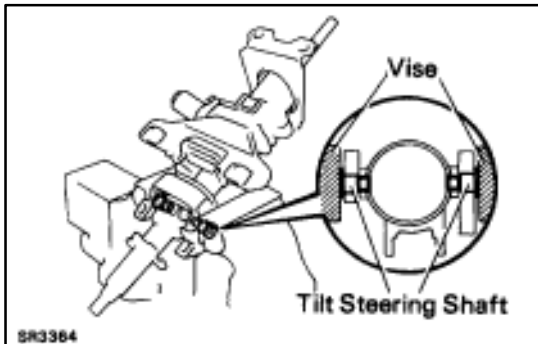
4. INSTALL UPPER TUBE WITH MAIN SHAFT

(a) Insert the upper tube and main shaft into the lower tube.

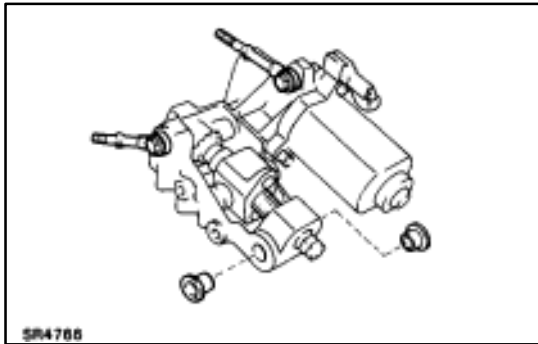




- (b) Using snap ring pliers, install the snap ring to the main shaft.

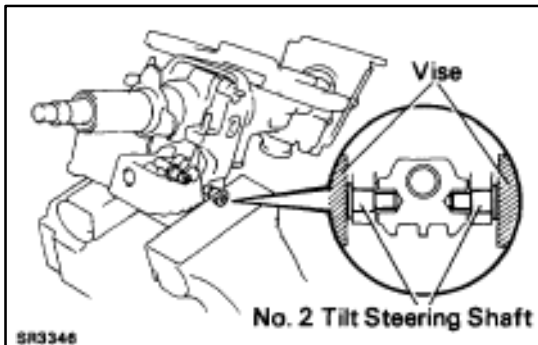


- (c) Using a vise, press in the two tilt steering shafts.
HINT: Make sure the upper tube turns smoothly.

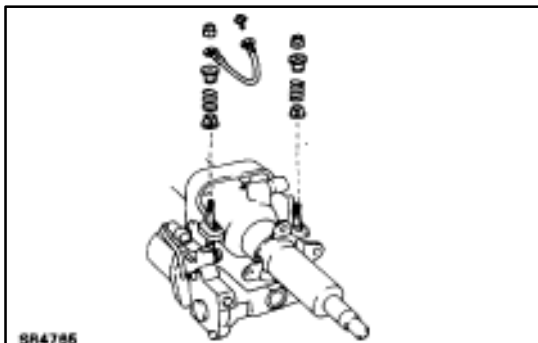


5. INSTALL TILT STEERING GEAR ASSEMBLY WITH MOTOR

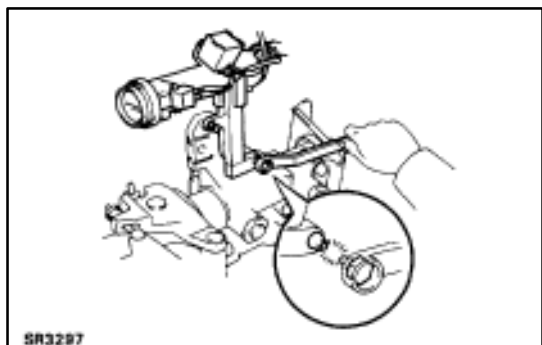
- (a) Install the two bushings and support stopper bolts.



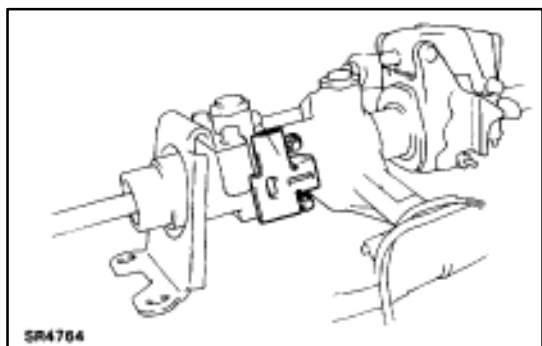
- (b) Using a vise, press in the two No. 2 tilt steering shafts.



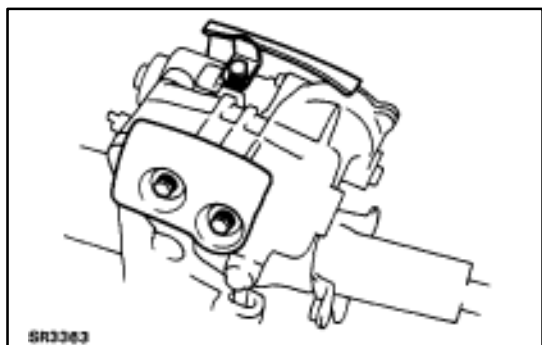
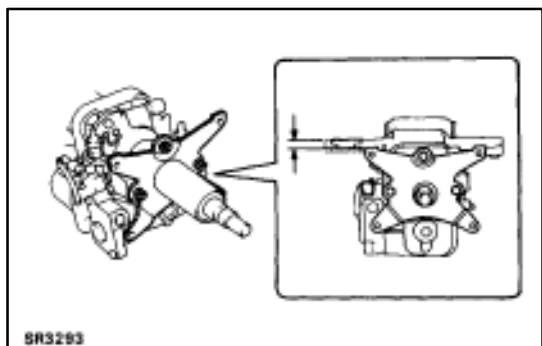
- (c) Install the bushing, spring and spacer to each stopper bolt.
(d) Install the bond cable.
(e) Install and torque new lock nuts.
Torque: 2.9 N·m (30 kgf·cm, 26 in·lbf)

**6. INSTALL UPPER BRACKET**

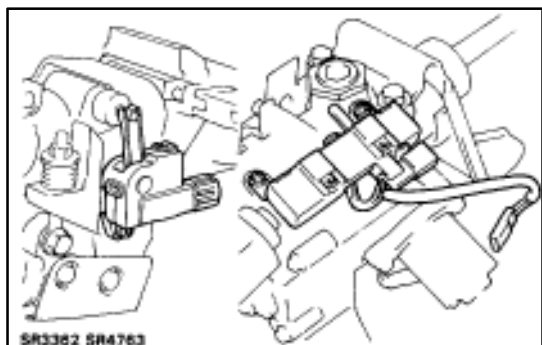
- (a) Install the upper bracket with two new tapered-head bolts.
- (b) Tighten the tapered-head bolts until the bolt heads break off.

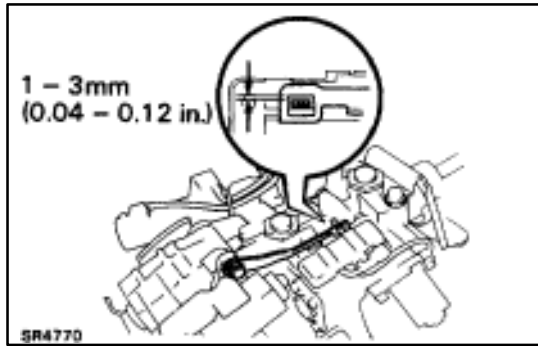
**7. INSTALL CONNECTOR BRACKET**

Torque: 4.9 N·m (50 kgf·cm, 43 in·lbf)

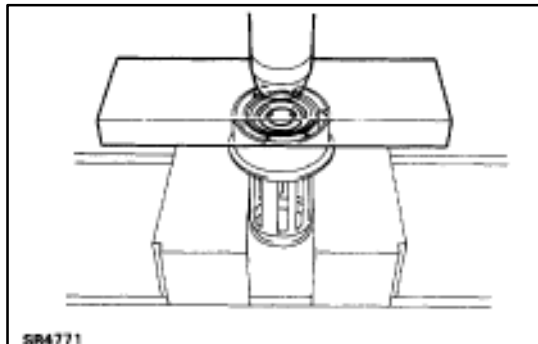
**8. INSTALL PROTECTOR AND NO. 2 PROTECTOR****9. INSTALL TURN SIGNAL BRACKET**

Install the turn signal bracket so that its upper surface is parallel with upper surface of the capsule of the breakaway bracket.

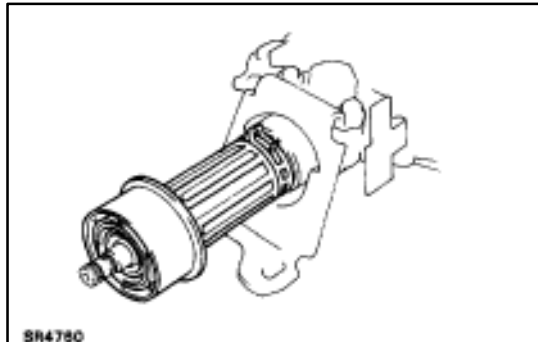
**10. INSTALL TILT AND TELESCOPIC POSITION SENSORS**

**11. INSTALL TELESCOPIC SENSOR PLATE**

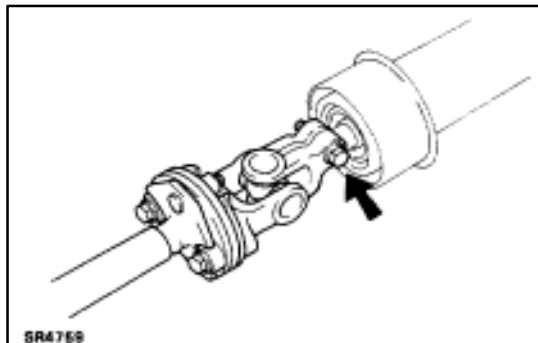
Torque: 4.9 N·m (50 kgf·cm, 43 in·lbf)

**12. INSTALL LOWER DUST COVER**

(a) Using a press, install the dust seal.



(b) Install the lower dust cover and clip.

**13. INSTALL SLIDING YOKE**

Torque: 35 N·m (360 kgf·cm, 26 ft·lbf)

14. INSTALL IGNITION KEY CYLINDER ILLUMINATION