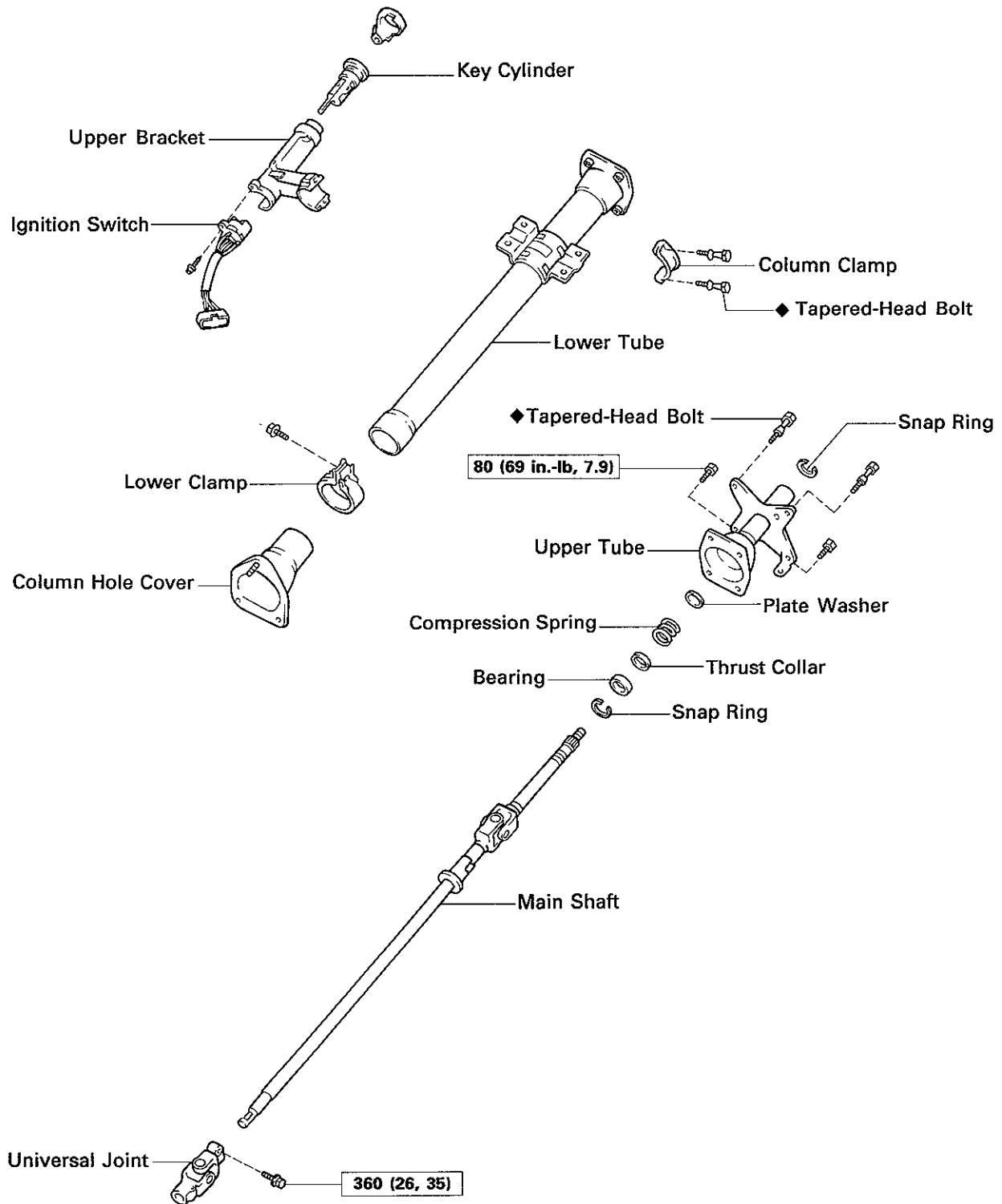


## Non-Tilt Steering Column COMPONENTS



kg-cm (ft-lb, N-m) : Specified torque

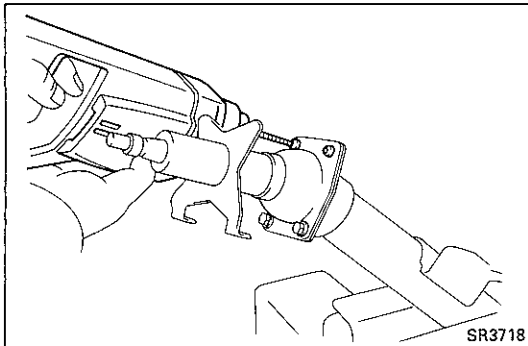
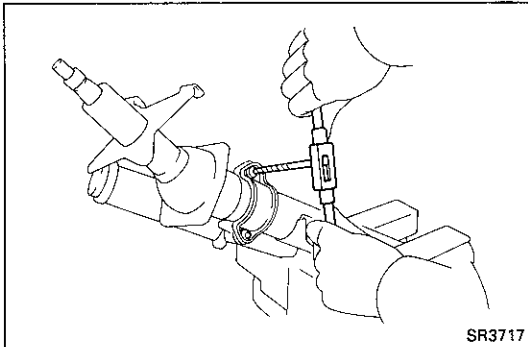
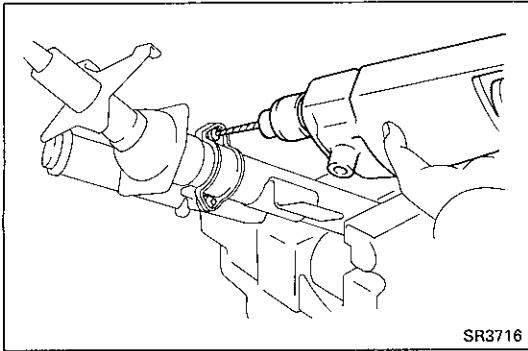
◆ Non-reusable part

**DISASSEMBLY OF STEERING COLUMN**

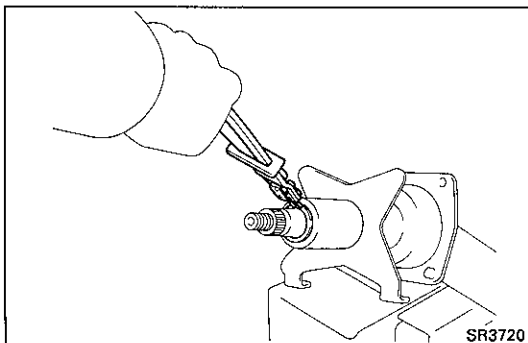
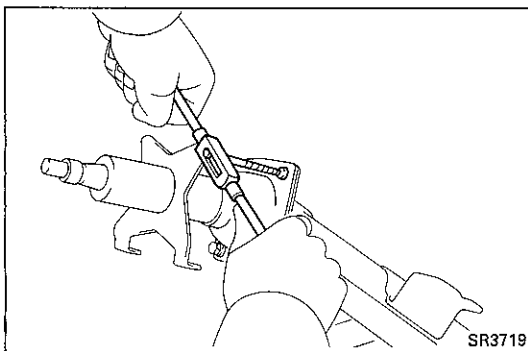
(See page SR-4)

**1. REMOVE UPPER BRACKET**

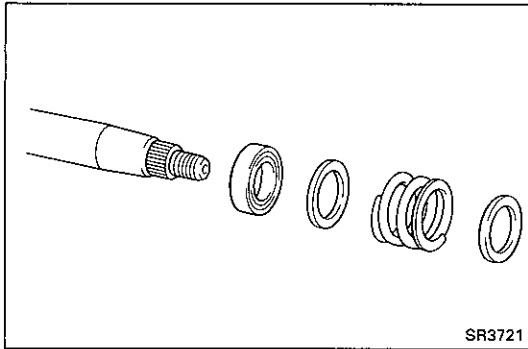
- (a) Using a centering punch, mark the center of the tapered-head bolts.
- (b) Using a 3 – 4 mm (0.12 – 0.16 in.) drill, drill into the tapered-head bolts.
- (c) Using a screw extractor, remove the tapered-head bolts.
- (d) Remove the two bolts and separate the upper bracket and column tube.

**2. PULL OUT MAIN SHAFT FROM UPPER TUBE**

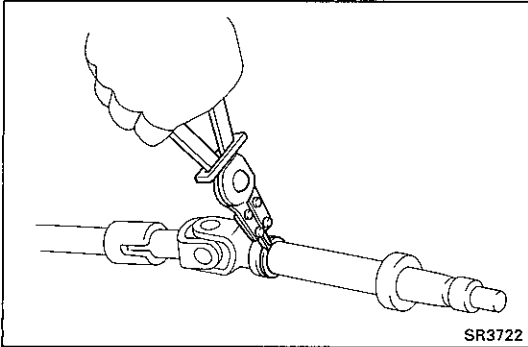
- (a) Using a centering punch, mark the center of the tapered-head bolts.
- (b) Using a 3 – 4 mm (0.12 – 0.16 in.) drill, drill into the tapered-head bolts.
- (c) Using a screw extractor, remove the tapered-head bolts.
- (d) Remove the two bolts and separate the upper tube from the lower tube.



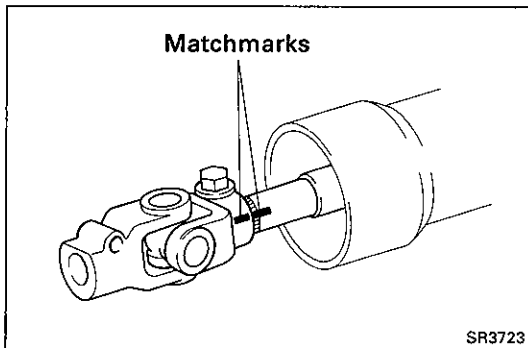
- (e) Using snap ring pliers, remove the snap ring.
- (f) Pull out the main shaft from the upper tube.



- (g) Remove the plate washer, compression spring, thrust collar and the bearing from the main shaft.



- (h) Using snap ring pliers, remove the snap ring.



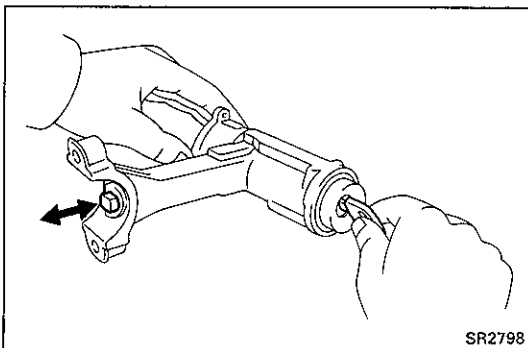
### 3. PULL OUT MAIN SHAFT FROM LOWER TUBE

- Remove the bolt and the cover clamp.
- Remove column hole cover.
- Place matchmarks to the universal joint and the main shaft, then remove the bolt and the universal joint.
- Pull out main shaft from lower tube.

## INSPECTION AND REPLACEMENT OF NON-TILT STEERING COLUMN

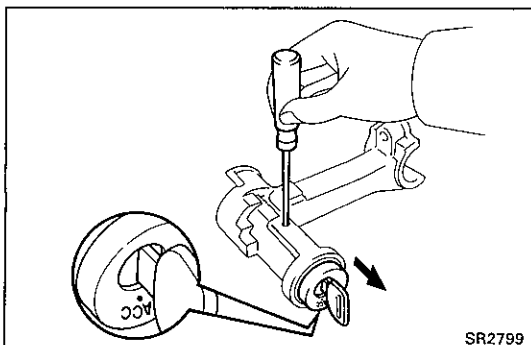
### 1. INSPECT UPPER BRACKET

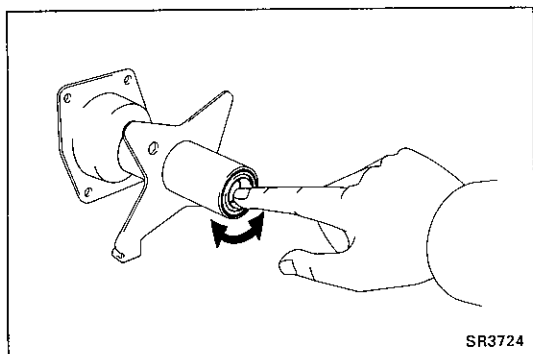
Check that the steering lock mechanism operates properly.



### 2. IF NECESSARY, REPLACE IGNITION KEY CYLINDER

- Place the ignition key at the ACC position.
- Push down the stop key with a thin rod, and pull out the key cylinder.
- Turn the ignition key plate to the ACC position, and install the key cylinder into the upper bracket.

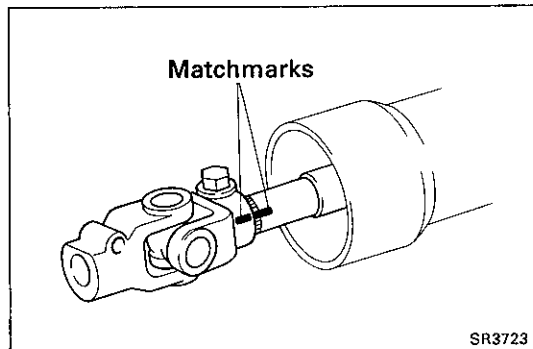




### 3. INSPECT UPPER BEARING

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

If the bearing is worn or damaged, replace the column tube assembly.



## ASSEMBLY OF NON-TILT STEERING COLUMN

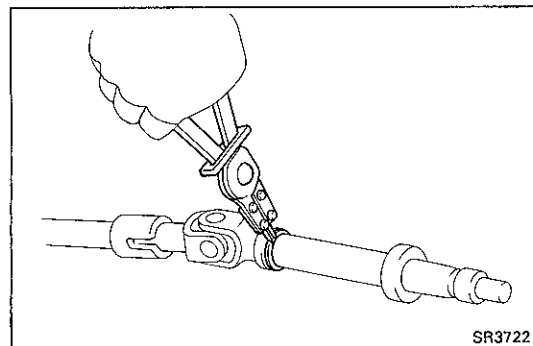
(See page SR-4)

### 1. INSTALL MAIN SHAFT TO LOWER TUBE

- Insert the main shaft into the lower tube.
- Align the matchmarks on the shaft and the sliding yoke, then install the bolt.

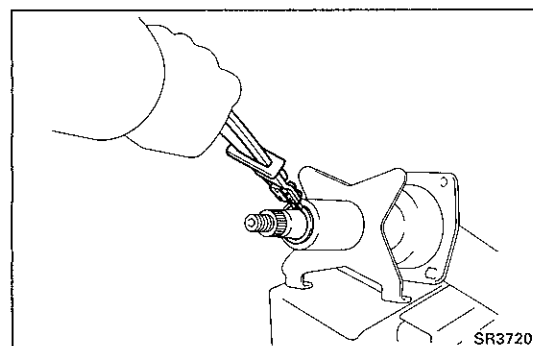
**Torque: 360 kg-cm (26 ft-lb, 35 N-m)**

- Install the column hole cover and the cover clamp.



### 2. INSTALL MAIN SHAFT TO UPPER TUBE

- Using snap ring pliers, install the snap ring to the shaft.
- Install the bearing, thrust collar, compression spring and the plate washer to the shaft.

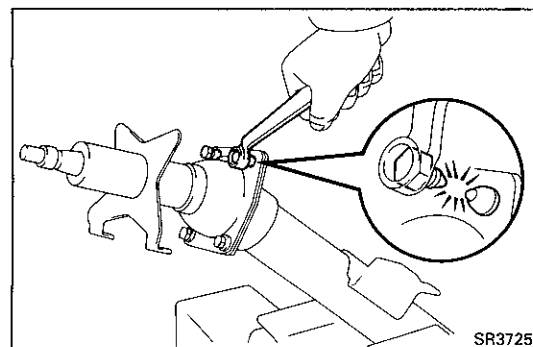


- Install the upper tube to the main shaft.

- Using snap ring pliers, install the snap ring to the shaft.

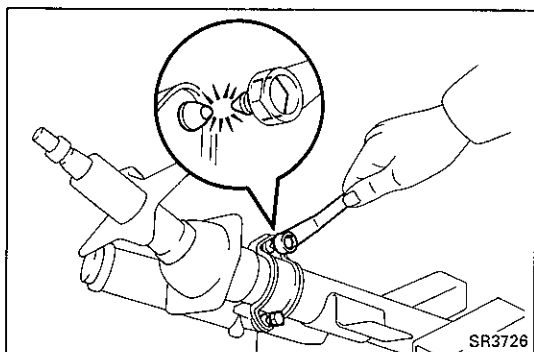
- Install two bolts to the upper tube.

**Torque: 80 kg-cm (69 in.-lb, 7.8 N-m)**



- Install new two tapered-head bolts to the upper tube.

- Tighten the tapered-head bolts until the bolt heads break off.

**3. INSTALL UPPER BRACKET**

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