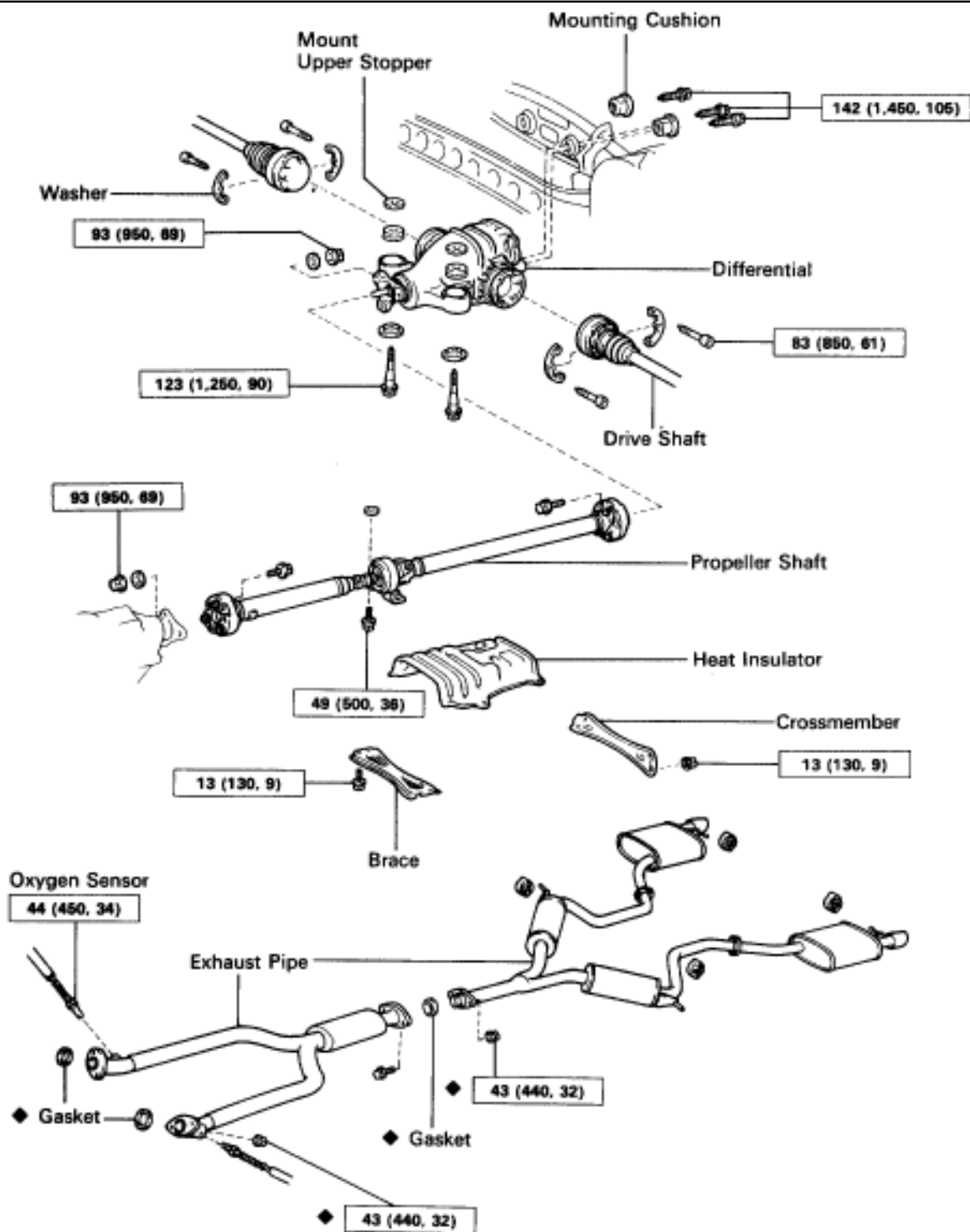


# Removal and Installation of Rear Differential COMPONENTS



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

◆ Non-reusable part

N00777

## REMOVAL OF DIFFERENTIAL

### 1. REMOVE PROPELLER SHAFT

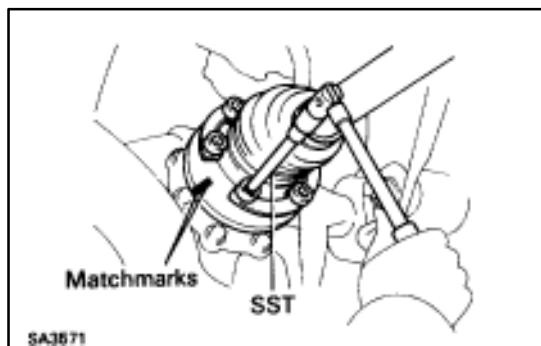
(See page [PR-5](#))

### 2. DRAIN DIFFERENTIAL OIL

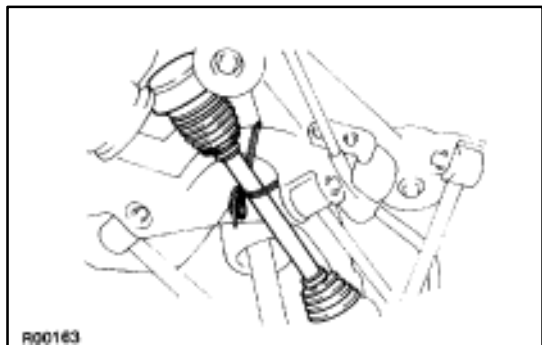
### 3. DISCONNECT REAR DRIVE SHAFTS

- (a) Place matchmarks on the drive shafts and side gear shafts.
- (b) Using SST, disconnect the drive shafts from the differential.

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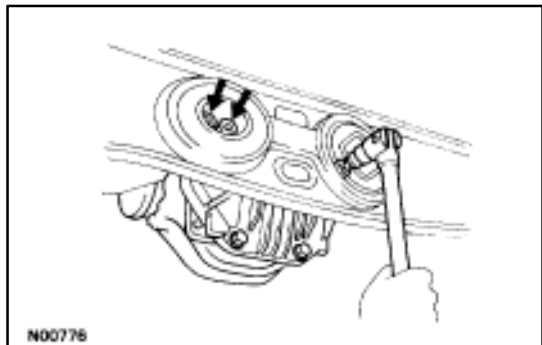


- (c) Hang up the drive shafts using wire, etc.

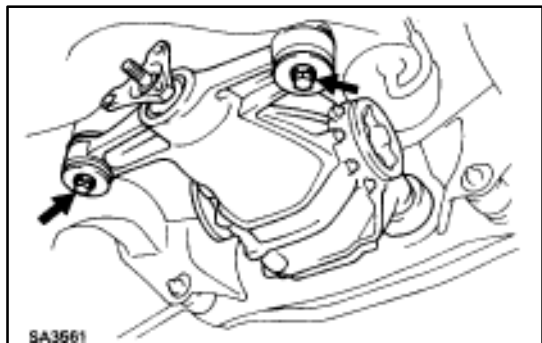


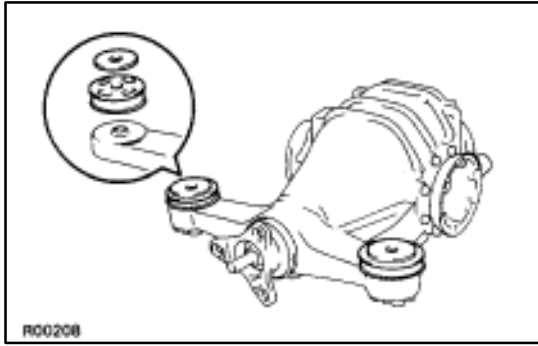
### 4. REMOVE DIFFERENTIAL

- (a) Support the differential with a jack.
- (b) Using a hexagon wrench, remove the three bolts.



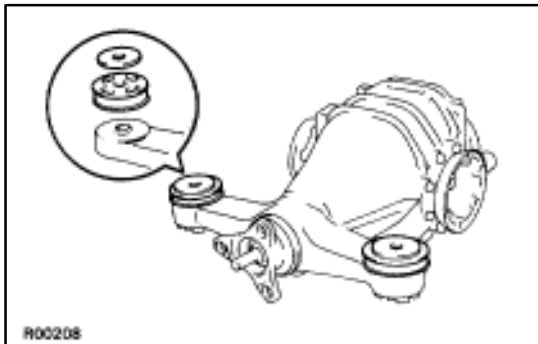
- (c) Remove the two bolts and lower stoppers.
- (d) Remove the differential.





- (e) Remove the mount upper stopper from the differential carrier.

HINT: Some vehicles have the adjusting shim for adjusting the propeller shaft joint angle installed on top of the mount upper stopper.



## INSTALLATION OF DIFFERENTIAL

### 1. INSTALL DIFFERENTIAL

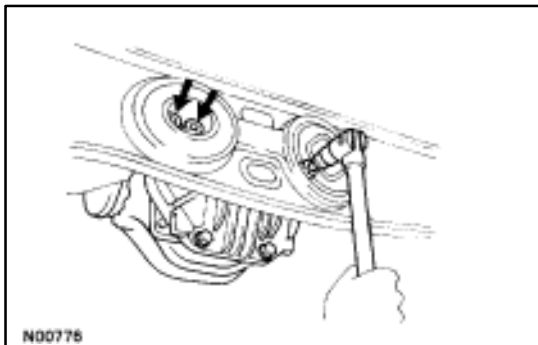
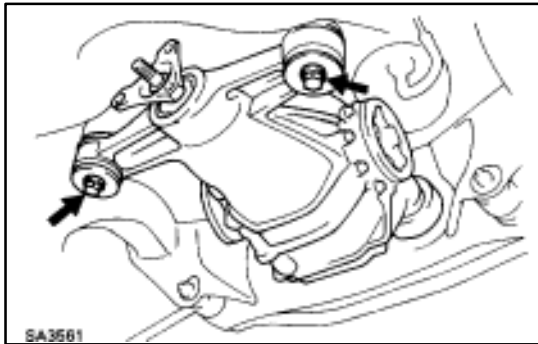
- (a) Install the mount upper stopper on the differential carrier.

HINT:

- Use the mount upper stopper which was removed.
- On vehicles with the adjusting shim installed on top of the mount upper stopper, install that adjusting shim.

- (b) Support the differential with a jack and install the lower stoppers and bolts.

**Torque: 123 N·m (1,250 kgf·cm, 90 ft·lbf)**

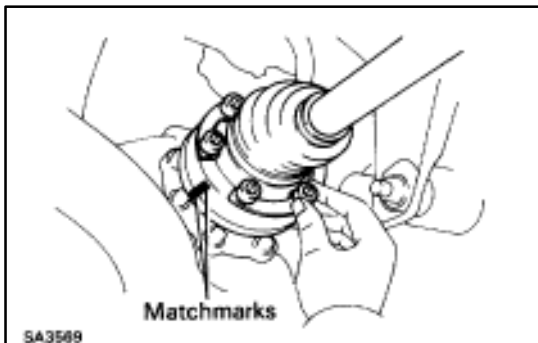


- (c) Using a hexagon wrench, install the LH mounting bolts.

**Torque: 142 N·m (1,450 kgf·cm, 105 ft·lbf)**

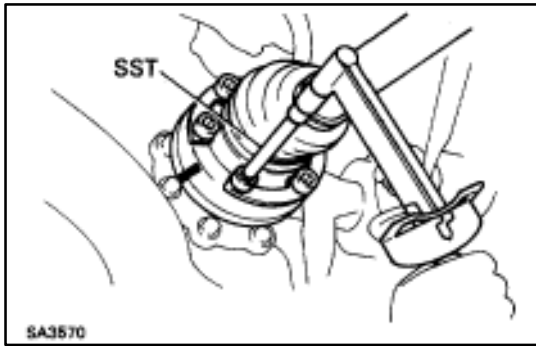
- (d) Using a hexagon wrench, install the RH mounting bolt.

**Torque: 142 N·m (1,450 kgf·cm, 105 ft·lbf)**



### 2. CONNECT REAR DRIVE SHAFTS

- (a) Align the matchmarks on the side gear shaft and drive shafts.
- (b) Apply a light coat of engine oil on the threads of the bolts.
- (c) Temporarily install the twelve hexagon bolts and four washers.



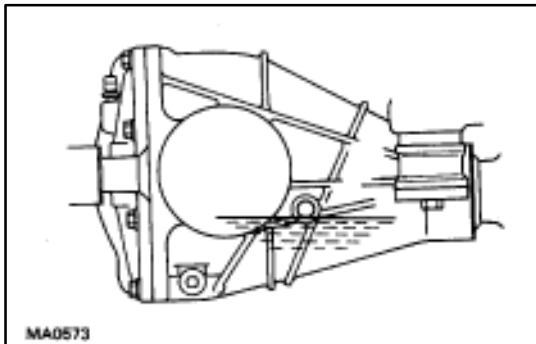
(d) Using SST, torque the bolts.

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Torque: 83 N·m (850 kgf·cm, 61 ft·lbf)

### 3. INSTALL PROPELLER SHAFT

(See page [PR-10](#))



### 4. FILL DIFFERENTIAL OIL

Oil grade: API GL-5

Viscosity: Above-18°C (0°F) SAE 90

Below-18°C (0°F) SAE 80W-90 or 80W

Capacity: 1.35 liters (1.42 US qts, 1.19 Imp qts)