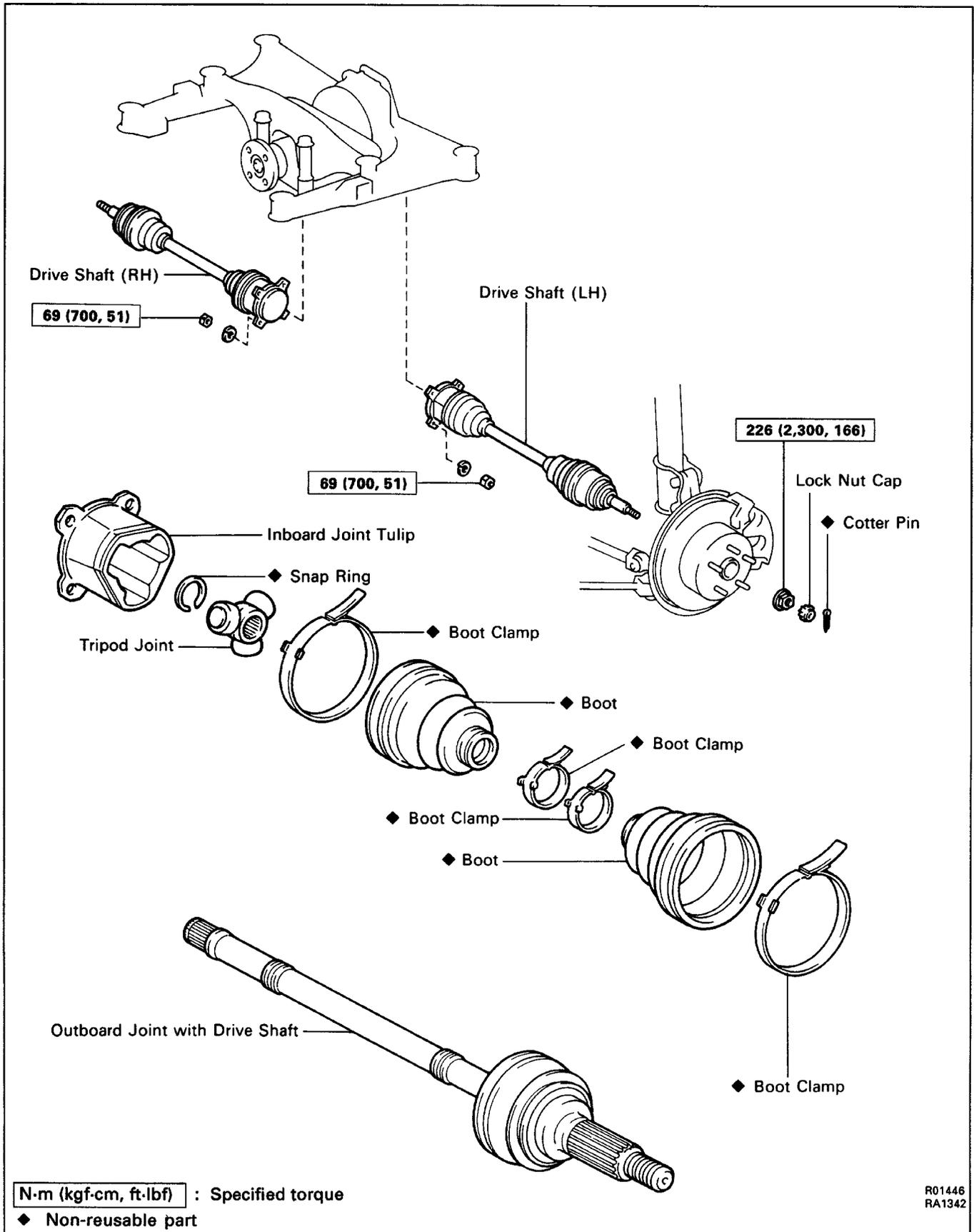
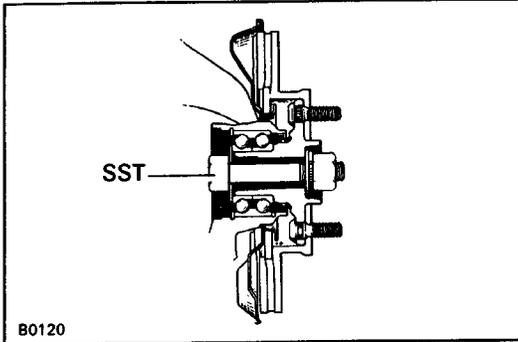
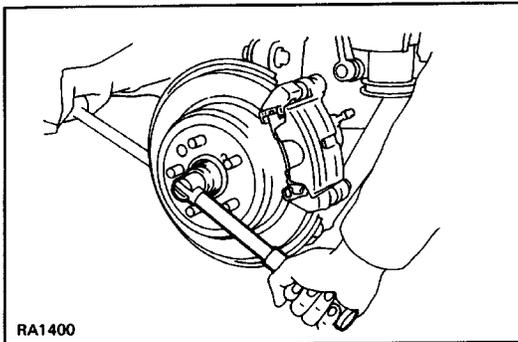


# REAR DRIVE SHAFT (4WD) COMPONENTS





**NOTICE:** The hub bearing could be damaged if it is subjected to the vehicle weight, such as when moving the vehicle with the drive shaft removed. Therefore, if it is absolutely necessary to place the vehicle weight on the hub bearing, first support it with SST.  
SST 09608-16041 (09608-02020, 09608-02040)



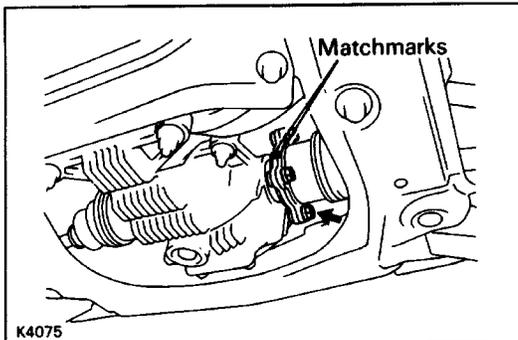
## REMOVAL OF REAR DRIVE SHAFT

(See page SA-78)

### 1. REMOVE REAR WHEELS

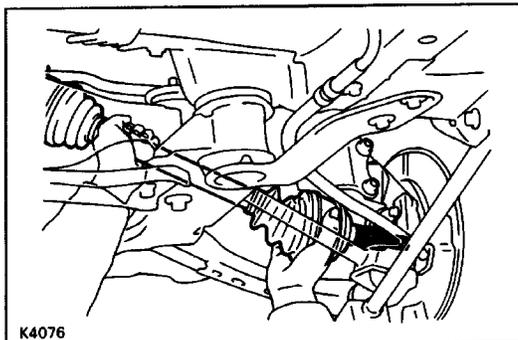
### 2. REMOVE COTTER PIN, LOCK NUT CAP AND LOCK NUT

- (a) Remove the cotter pin and lock nut cap.
- (b) With the parking brake engaged, loosen the bearing lock nut.



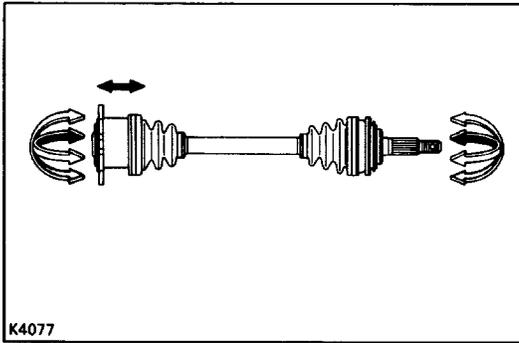
### 3. REMOVE DRIVE SHAFT

- (a) Place the matchmarks on the inboard joint tulip and the side gear shaft flange.
- (b) With the parking brake engaged, remove the four nuts and washers.
- (c) Disconnect the drive shaft from the side gear shaft.



- (d) Remove the drive shaft from the axle carrier.

**HINT:** Push the axle carrier towards the outside of vehicle, and separate the drive shaft from the axle carrier.



## DISASSEMBLY OF REAR DRIVE SHAFT

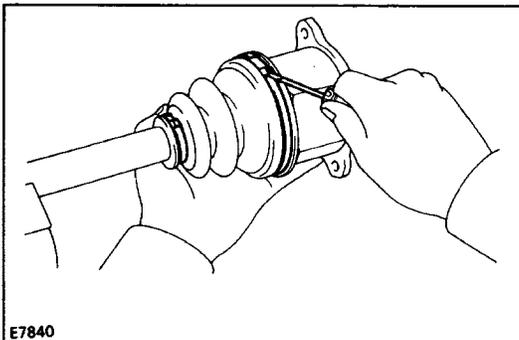
(See page SA-78)

### 1. CHECK DRIVE SHAFT

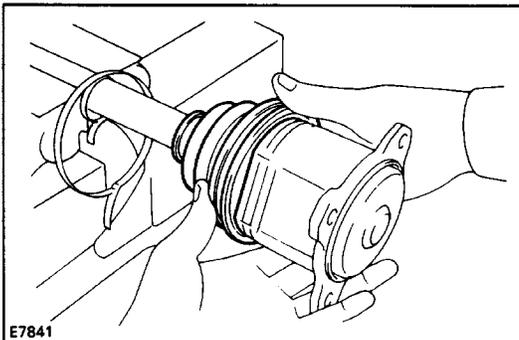
- (a) Check to see that there is no play in the inboard and outboard joints.
- (b) Check to see that the inboard joint slide smoothly in the thrust direction.
- (c) Check to see that there is no remarkable play in the radial direction of the inboard joint.
- (d) Check the damage of boot.

### 2. REMOVE INBOARD JOINT BOOT

- (a) Using a screwdriver, remove the two boot clamps.



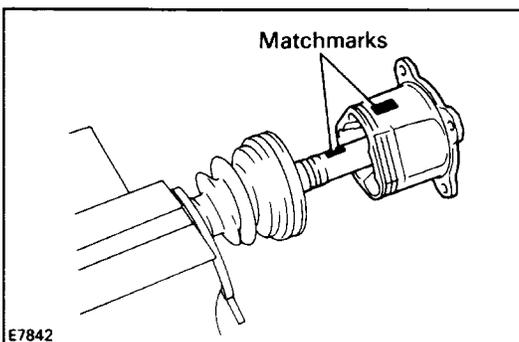
- (b) Slide the inboard joint boot toward the outboard joint.



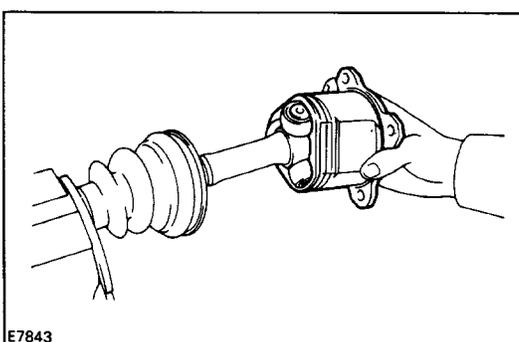
### 3. REMOVE INBOARD JOINT OUTER RACE

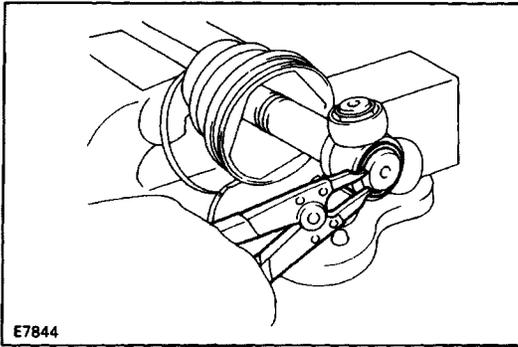
- (a) Place the matchmarks on the inboard joint tulip and drive shaft.

**NOTICE: Do not punch the marks.**



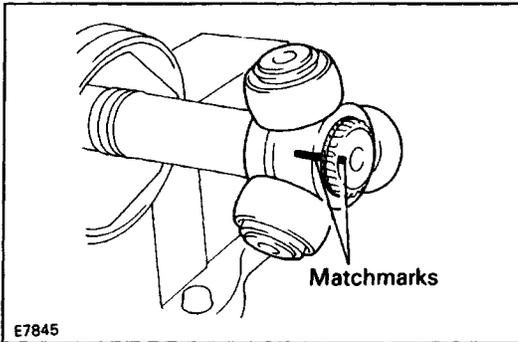
- (b) Remove the inboard joint tulip from the drive shaft.





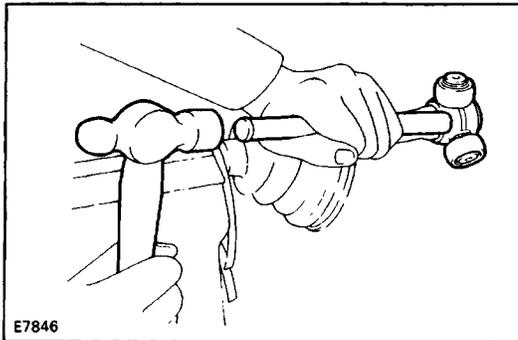
#### 4. REMOVE TRIPOD JOINT

(a) Using a snap ring expander, remove the snap ring.



(b) Place the matchmarks on the shaft and the tripod joint.

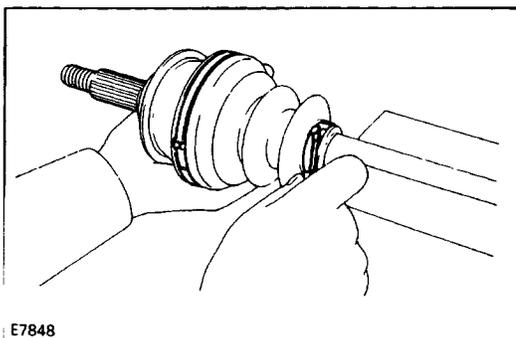
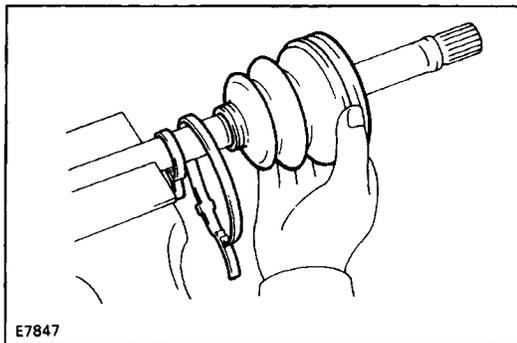
**NOTICE:** Do not use a punch to mark the matchmarks. Use paint, etc.



(c) Using a hammer and brass bar, drive out the tripod joint from the drive shaft.

**NOTICE:** Do not tap the roller.

#### 5. REMOVE INBOARD JOINT BOOT AND CLAMPS

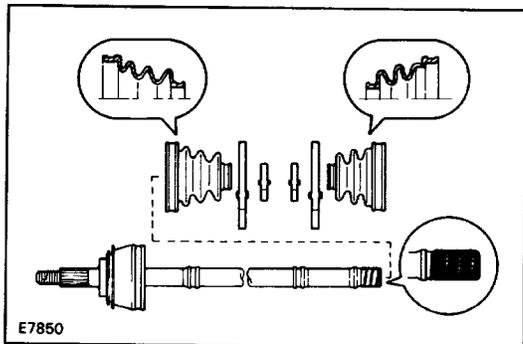


#### 6. REMOVE OUTBOARD JOINT BOOT

(a) Using a screwdriver, remove the two boot clamps of the outboard joint boot.

(b) Remove the boot from the outboard joint.

**NOTICE:** Do not disassemble the outboard joint.



E7850

## ASSEMBLY OF REAR DRIVE SHAFT

(See page SA-78)

### 1. TEMPORARILY INSTALL NEW BOOTS AND BOOT CLAMPS

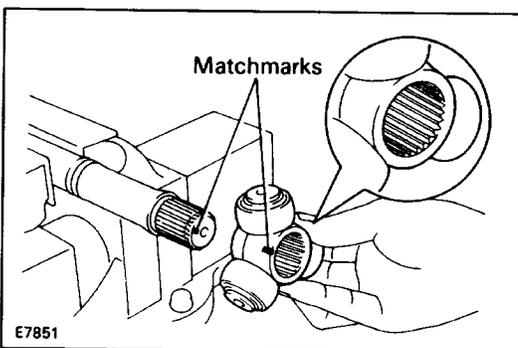
**NOTICE:** The boot and clamp of the outboard joint are smaller than those of the inboard joint.

**HINT:** Before installing the boot, wrap vinyl tape around the spline of the shaft to prevent damaging the boot.

Temporarily install the boots and new clamps to the drive shaft.

### 2. INSTALL TRIPOD JOINT

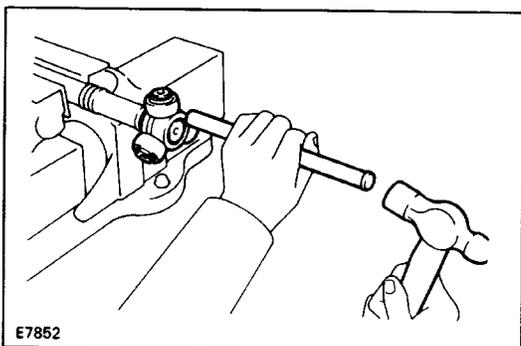
(a) Align the matchmarks placed before remove.



E7851

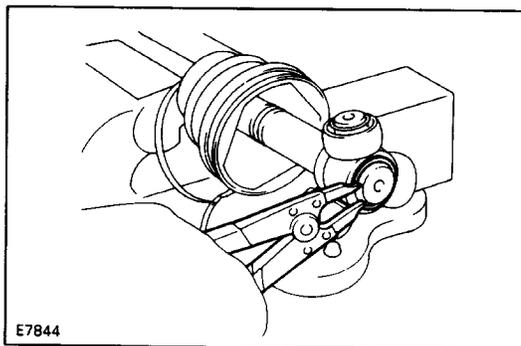
(b) Using a brass bar and hammer, tap in the tripod joint to the drive shaft.

**NOTICE:** Do not tap the roller.



E7852

(c) Using a snap ring expander, install a new snap ring.



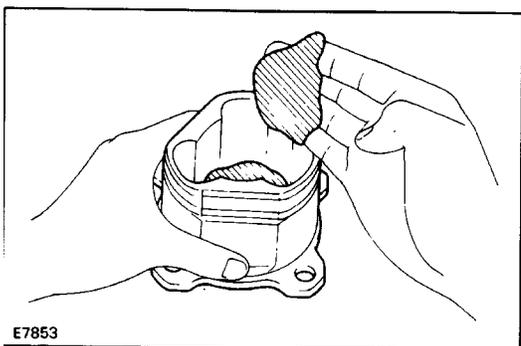
E7844

### 3. INSTALL INBOARD JOINT TULIP TO DRIVE SHAFT

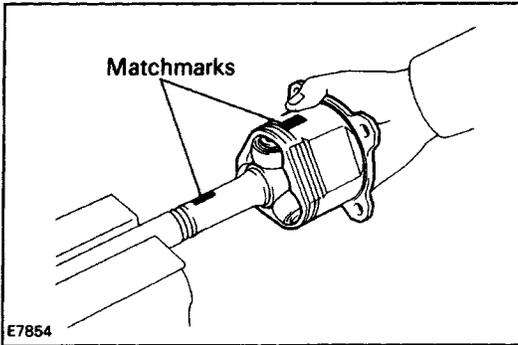
(a) Pack in the grease to the inboard tulip.

**HINT:** Use the grease supplied in the boot kit.

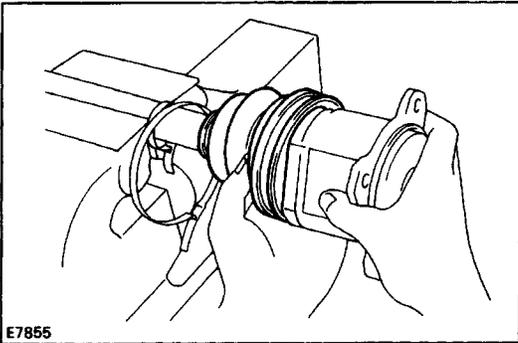
Grease capacity: 180 g (0.40 lb)



E7853



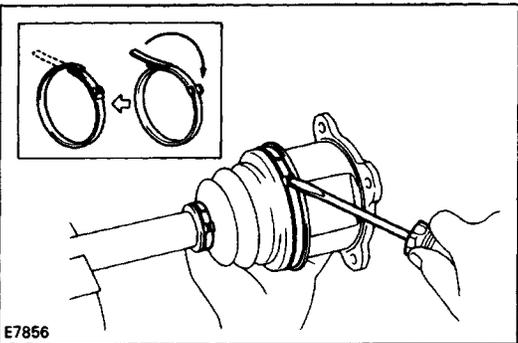
- (b) Align the matchmarks placed before remove, and install the inboard joint tulip to the drive shaft.



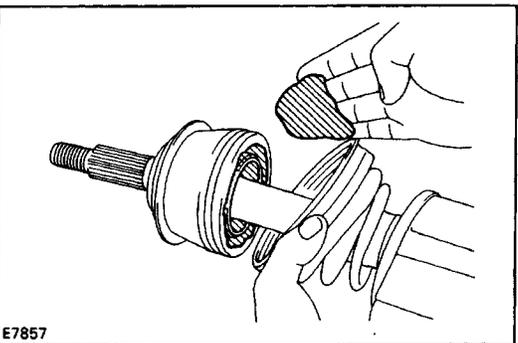
#### 4. INSTALL INBOARD JOINT BOOT

**NOTICE:** The clamps of the inboard joint are smaller than those of the outboard joint.

- (a) Be sure the boot is on the shaft groove.



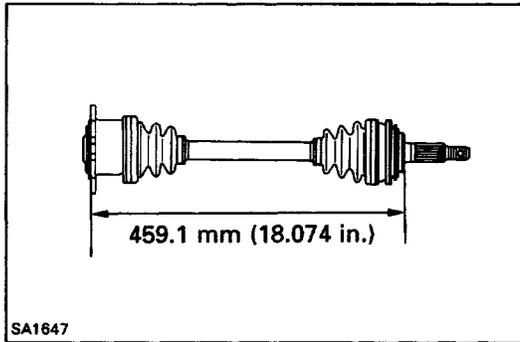
- (b) Using a screwdriver, bend the boot clamp and lock it as shown.



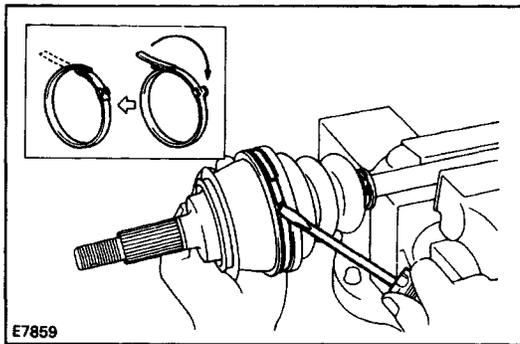
#### 5. INSTALL OUTBOARD JOINT BOOT

- (a) Before installing the boot, pack in grease.  
**HINT:** Use the grease supplied in the boot kit.  
**Grease capacity: 120 g (0.26 lb)**

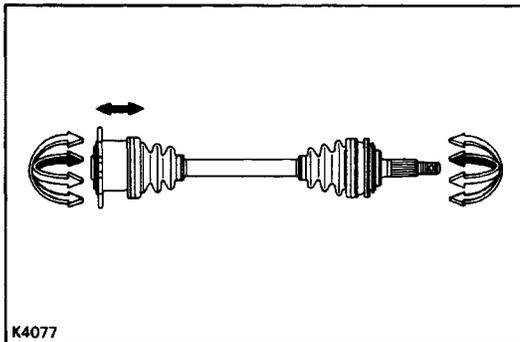
- (b) Be sure the boot is on the shaft groove.



- (c) Insure that the boot is not stretched or contracted when drive shaft is at standard length.  
Drive shaft length: 459.1 mm (18.074 in.)

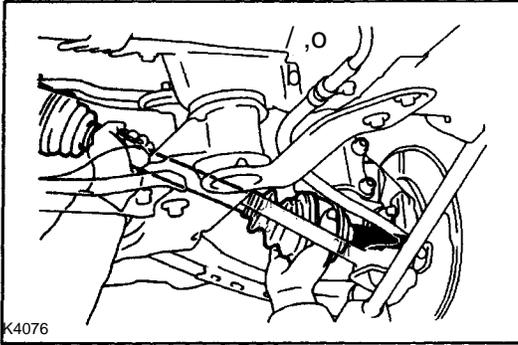


- (d) Using a screwdriver, bend the boot clamp and lock it as shown.



#### 6. CHECK DRIVE SHAFT

- (a) Check to see that there is no play in the inboard joint and outboard joint.  
(b) Check to see that the inboard joint side smoothly in the thrust direction.



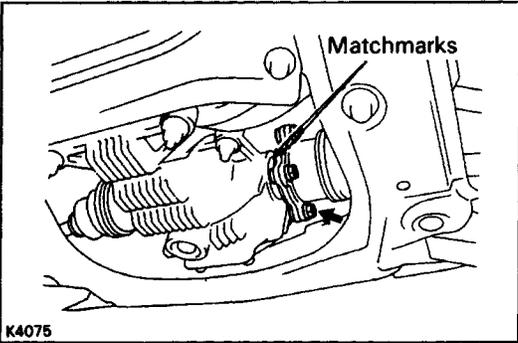
K4076

## INSTALLATION OF REAR DRIVE SHAFT

(See page [SA-76](#))

### 1. INSTALL DRIVE SHAFT

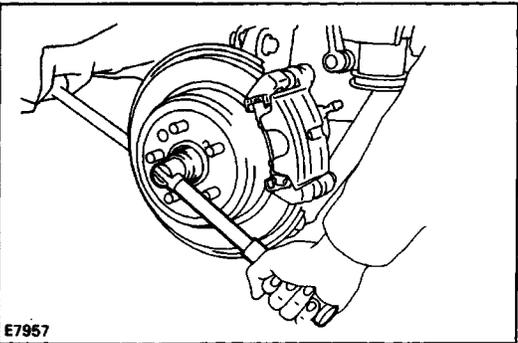
- (a) Install the drive shaft to the axle carrier.  
 HINT: Be careful not to damage the boot.



K4075

- (b) Align the matchmarks on the inboard joint tulip and the side gear shaft flange.  
 (c) Connect the drive shaft with the four bolts and washer to the side gear shaft.  
 (d) With the parking brake engaged, torque the four bolts.

**Torque: 69 N-m (700 kgf-cm, 51 ft-lbf)**



E7957

### 2. INSTALL BEARING LOCK NUT, LOCK NUT CAP AND COTTER PIN

- (a) Install the lock nut.  
 (b) With the parking brake engaged, torque the lock nut.

**Torque: 226 N-m (2,300 kgf-cm, 166 ft-lbf)**

- (c) Install the lock nut cap, and using pliers, install a new cotter pin.

### 3. INSTALL REAR WHEELS

### 4. CHECK REAR WHEEL ALIGNMENT

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