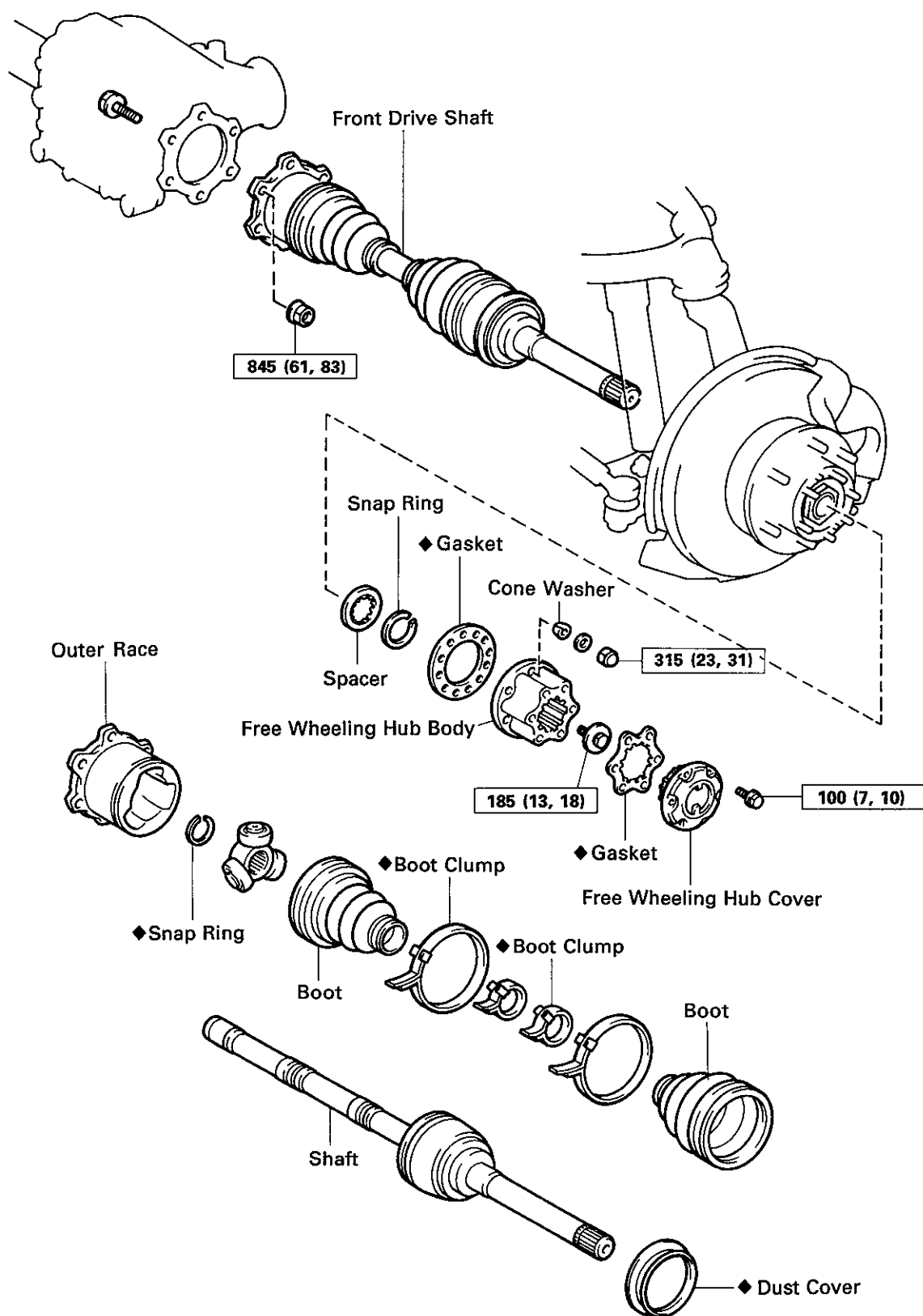


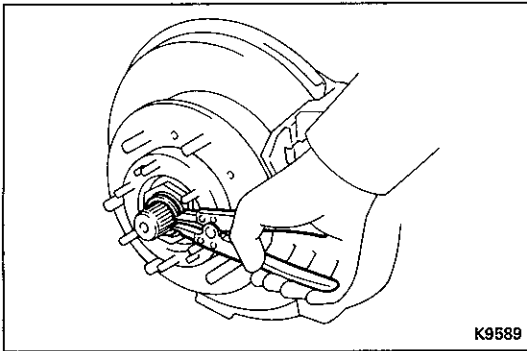
FRONT DRIVE SHAFT/4WD

COMPONENTS



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

◆ Non-reusable part



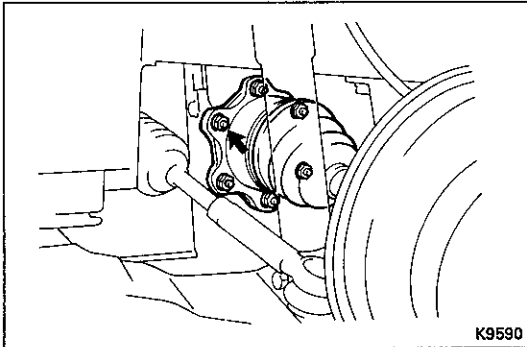
REMOVAL OF FRONT DRIVE SHAFT

1. JACK UP VEHICLE AND REMOVE WHEEL

2. REMOVE FREE WHEELING HUB (See page SA-22)

3. REMOVE SNAP RING AND SPACER

Using a snap ring expander, remove the snap ring and spacer.



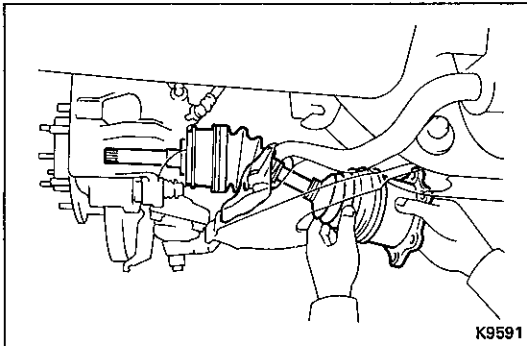
4. REMOVE FRONT DRIVE SHAFT

(a) Remove the six bolts and nuts.

(b) Disconnect the front drive shaft from the differential side gear shaft.

(c) Remove the front drive shaft.

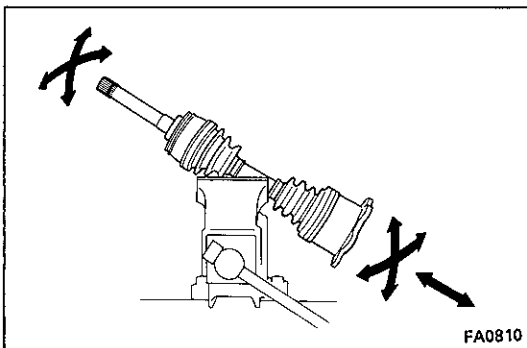
NOTICE: Be careful not to damage the drive shaft boots.



INSPECTION OF FRONT DRIVE SHAFT

1. CHECK DRIVE SHAFT

Move the joint up and down, to left and right and in the axial direction and check that operation is smooth and that there is no remarkable looseness. Also check that there are no cracks, damage or grease leaks with the boots.



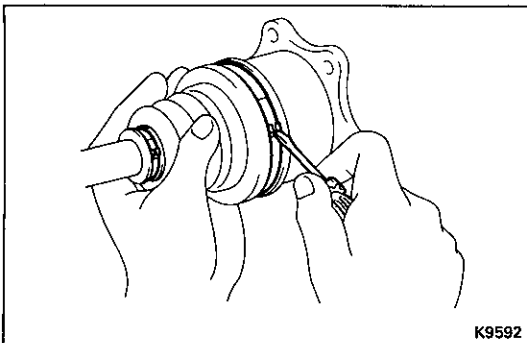
DISASSEMBLY OF FRONT DRIVE SHAFT

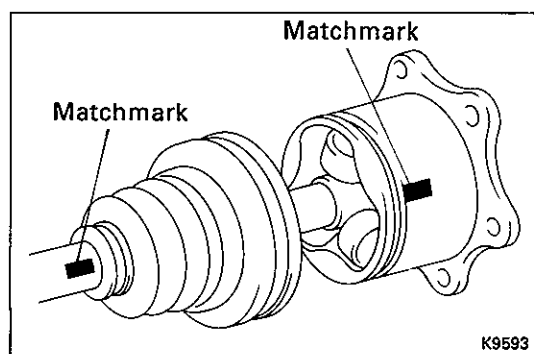
1. REMOVE INBOARD JOINT OUTER RACE

(a) Remove the two boot clamps.

NOTICE: Be careful not to damage the boot.

(b) Remove the boot from the inboard joint outer race.

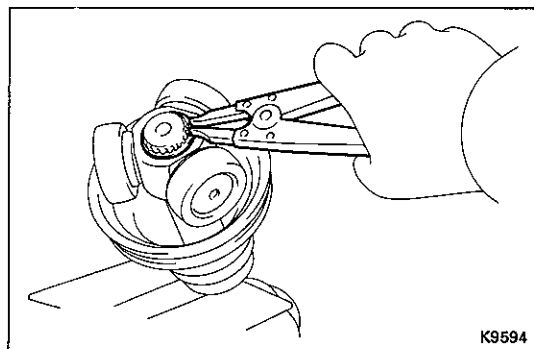




- (c) Place matchmarks on the inboard joint outer race and shaft.

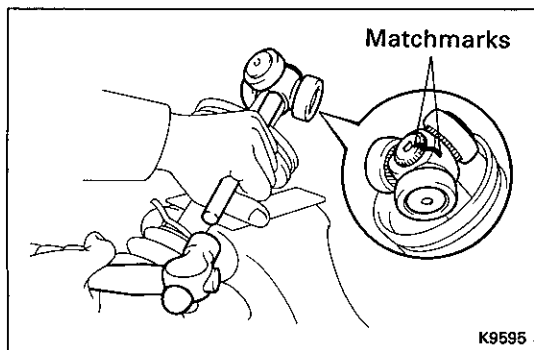
NOTICE: Do not punch the marks.

- (d) Remove the inboard joint outer race.



2. REMOVE INBOARD JOINT

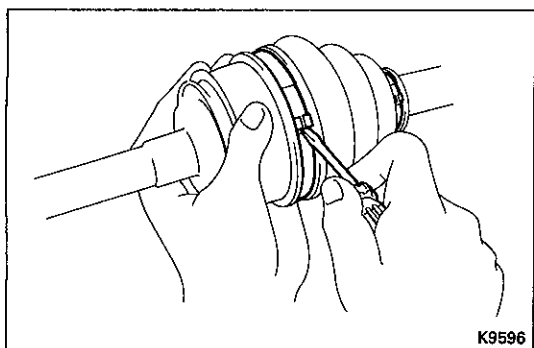
- (a) Clamp the drive shaft in a vise.
- (b) Using a snap ring expander, remove the snap ring.



- (c) Place matchmarks on the inboard joint and shaft.
- (d) Using a brass bar and hammer, remove the inboard joint.

NOTICE: Do not tap the roller.

- (e) Remove the inboard joint boot and boot clamps.



3. REMOVE OUTBOARD JOINT BOOT

- (a) Remove the two boot clamps.

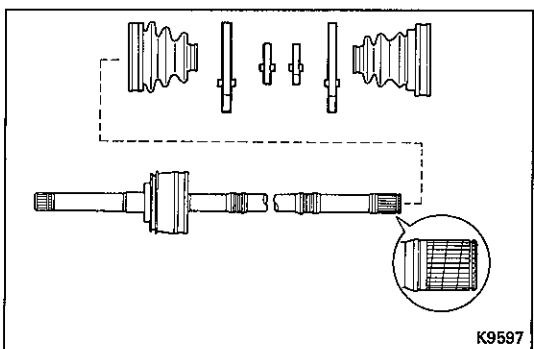
NOTICE: Be careful not to damage the boot.

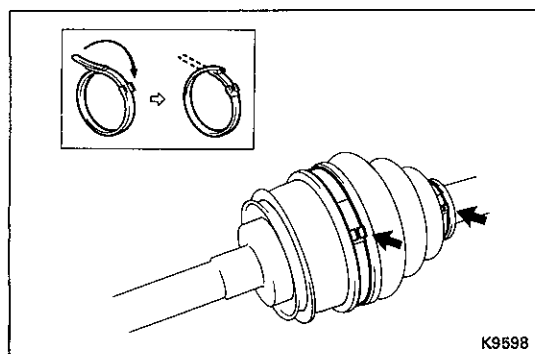
- (b) Remove the boot from the outboard joint outer race.
- (c) Remove the boot and boot clamps.

ASSEMBLY OF FRONT DRIVE SHAFT

1. INSTALL BOOTS AND BOOT CLAMPS

- (a) Before installing the boot, wrap vinyl tape around the spline of the shaft to prevent damaging the boot.
- (b) Install the outboard joint boot, four new clamps and the inboard joint boot.





2. INSTALL OUTBOARD JOINT BOOT

- (a) Pack in only the same amount of grease that was wiped out.

HINT: Use the grease supplied in the boot kit.

NOTICE:

- Keep grease off the joint connection groove of the boot.
- Pack in grease all over the ball contact surface inside the joint.

- (b) Install the boot to the outboard joint.

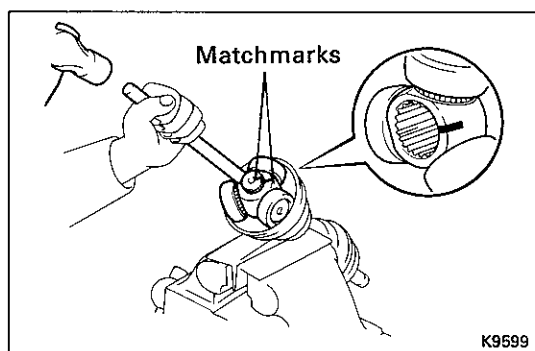
NOTICE:

- Be sure the boot is on the shaft groove and outboard joint groove.
- Install the boot without twisting it.

- (c) Install the two clamps to the outboard joint boot.

HINT: Bend the band and lock it as shown in the illustration.

NOTICE: Be careful not to damage the boot.

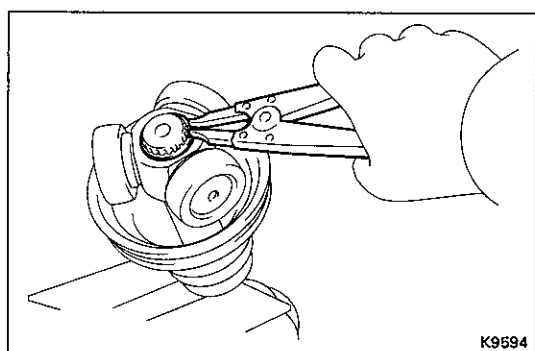


3. INSTALL INBOARD JOINT

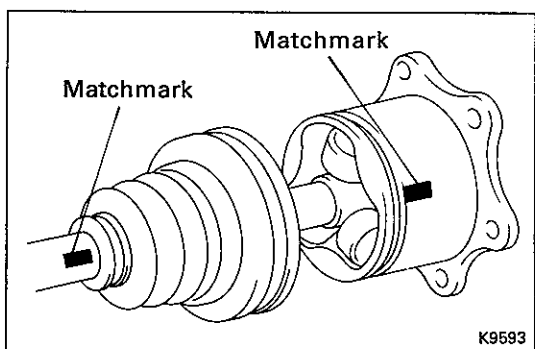
- (a) Align the matchmarks on the inboard joint and shaft.

- (b) Using a brass bar and hammer, install the inboard joint.

NOTICE: Do not tap the roller.



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



4. INSTALL INBOARD JOINT OUTER RACE

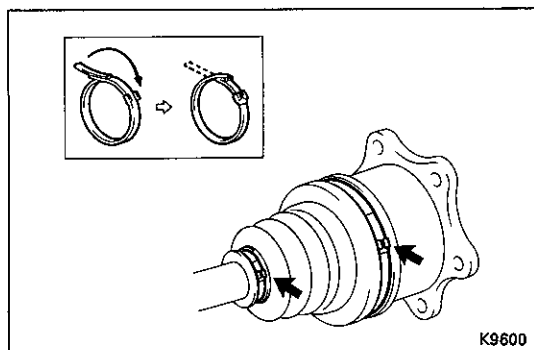
- (a) Before assembling the inboard joint outer race, pack in grease.

HINT: Use the grease supplied in the boot kit.

NOTICE:

- Keep grease off the joint connection groove of the boot.
- Pack in grease all over the roller contact surface inside the joint.

- (b) Align the matchmarks on the outer race and shaft, and install the outer race.



5. INSTALL INBOARD JOINT BOOT

- (a) Install the boot to the inboard joint.

NOTICE:

- Be sure the boot is on the shaft groove and inboard joint outer race groove.
- Install the boot without twisting it.

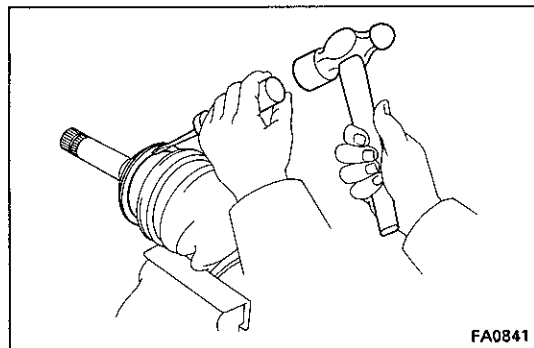
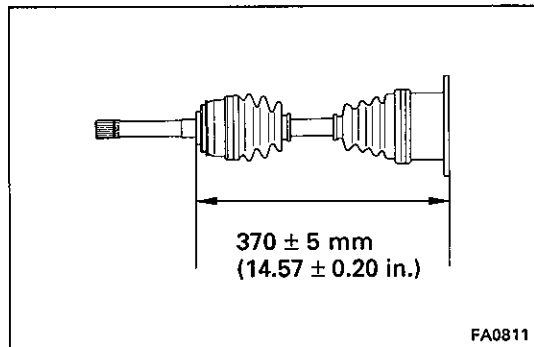
- (b) Bend the bands and lock it as shown in the illustration

NOTICE: Be careful not to damage the boot.

- (c) Check that the boots are not stretched or contracted when the drive shaft is at standard length.

Drive shaft length:

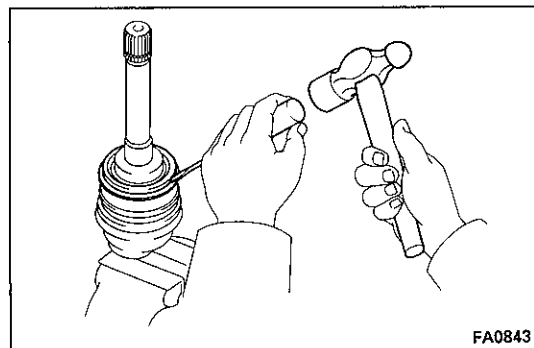
$370 \pm 5 \text{ mm}$ ($14.57 \pm 0.20 \text{ in.}$)



REPLACEMENT OF DUST COVER

1. REMOVE DUST COVER

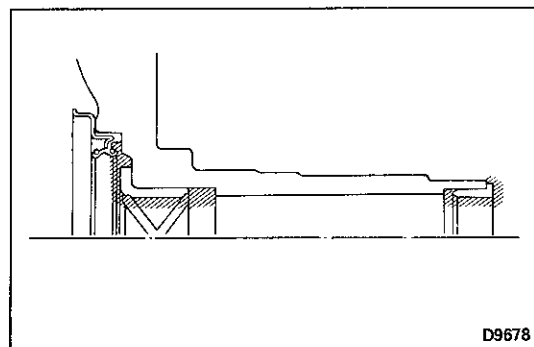
Using a screwdriver, remove the dust cover.



2. INSTALL DUST COVER

Using a screwdriver, install a new dust cover.

NOTICE: Be careful not to damage the dust cover.



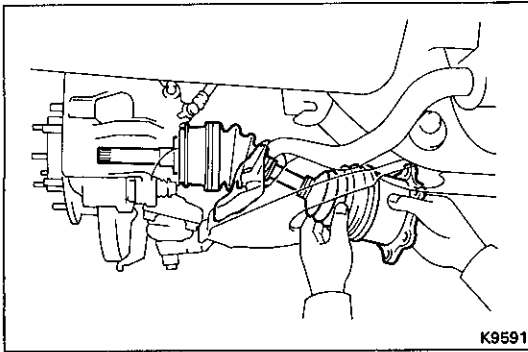
INSTALLATION OF FRONT DRIVE SHAFT

1. INSTALL FRONT DRIVE SHAFT

- (a) Apply grease to the steering knuckle as shown in the illustration.

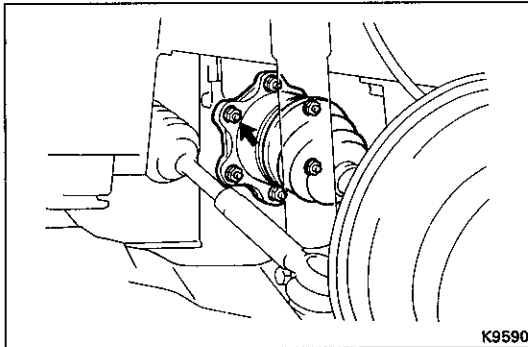
Grease: Molybdenum disulphide lithium base, NLGI No.1 or No.2

- (b) Coat the lip of the dust cover with grease.



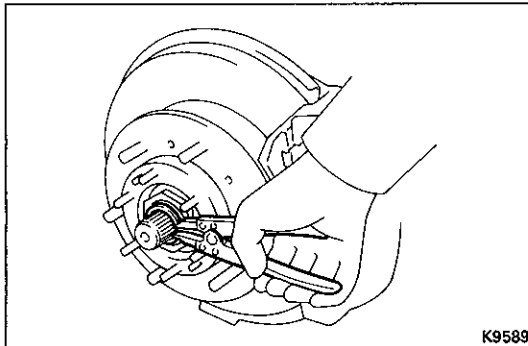
(c) Insert the front drive shaft to the steering knuckle.

NOTICE: Be careful not to damage the boots.



(d) Connect the front drive shaft to the side gear shaft with the six bolts and nuts.

Torque: 845 kg-cm (61 ft-lb, 83 N·m)



2. INSTALL SPACER AND SNAP RING

(a) Install the spacer to the front drive shaft.

(b) Using a snap ring expander, install the snap ring.

3. INSTALL FREE WHEELING HUB (See page SA-25)

4. INSTALL FRONT WHEEL

Torque: 1,050 kg-cm (76 ft-lb, 100 N·m)