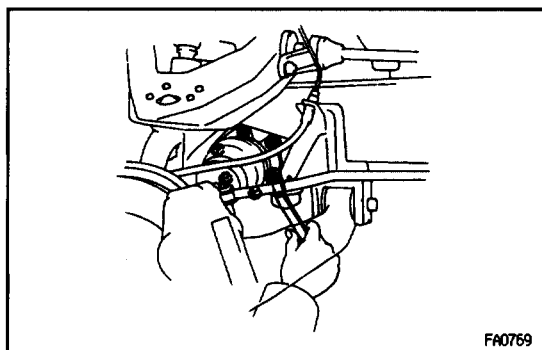
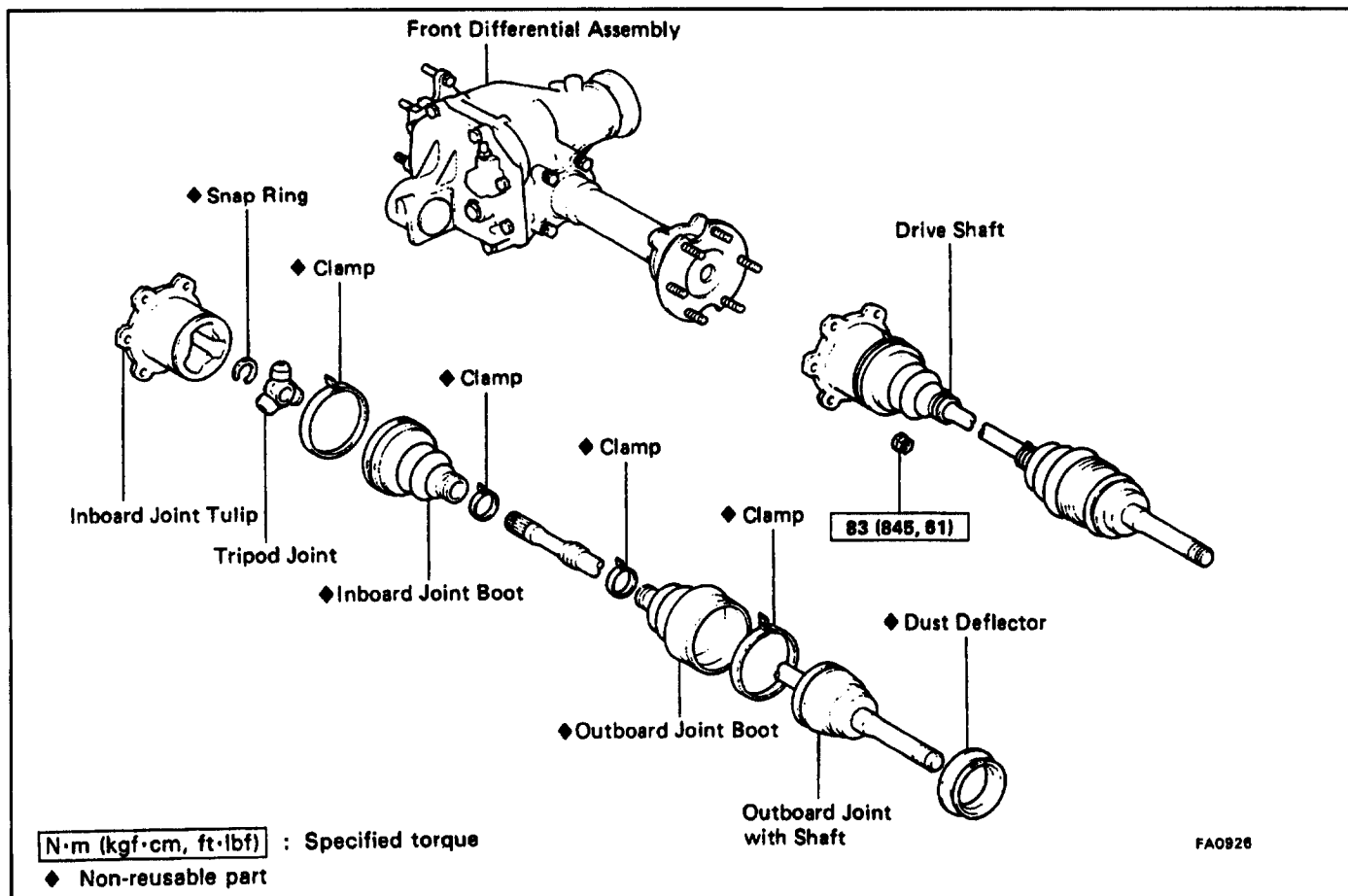
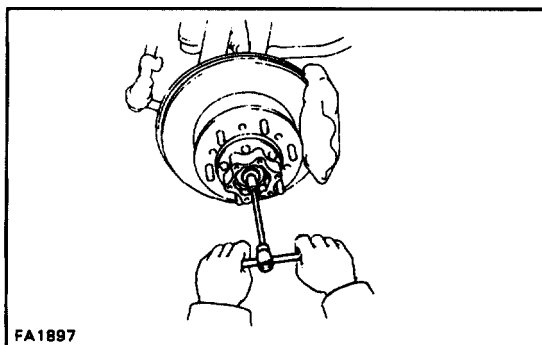


FRONT DRIVE SHAFT COMPONENTS

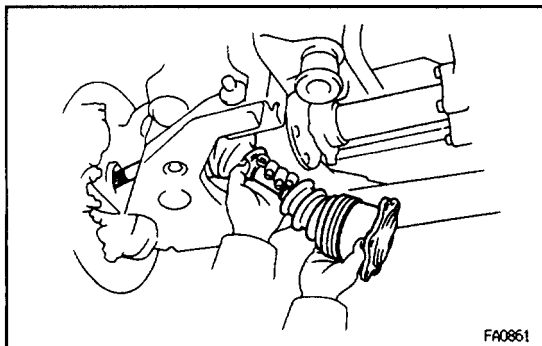


FRONT DRIVE SHAFT REMOVAL

1. JACK UP VEHICLE AND REMOVE FRONT WHEEL
2. LOOSEN NUTS HOLDING FRONT DRIVE SHAFT
Loosen the 6 nuts, while depressing the brake pedal.

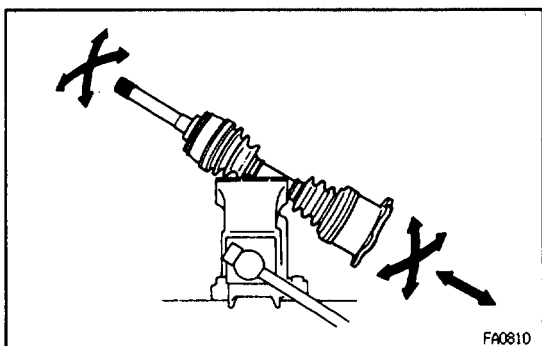


3. REMOVE FREE WHEELING HUB OR FLANGE
Free wheeling hub (See page [SA-37](#))
Flange (See page [SA-24](#))
4. REMOVE SNAP RING AND SPACER
Using a snap ring expander, remove the snap ring from the drive shaft.



5. REMOVE FRONT DRIVE SHAFT

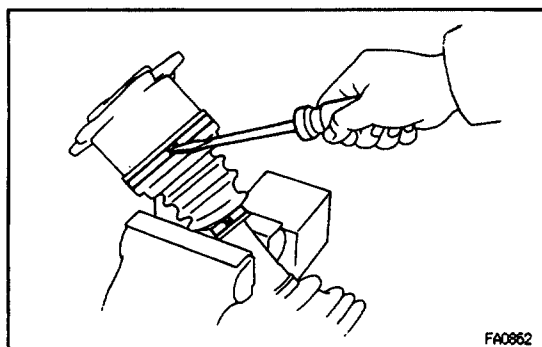
First pull the front drive shaft inboard joint tulip from the side gear shaft, and then pull it out from the steering knuckle.



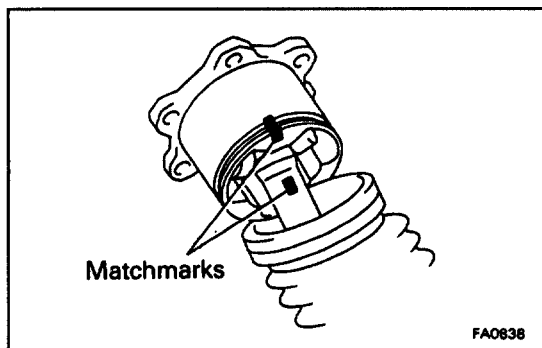
FRONT DRIVE SHAFT DISASSEMBLY

1. CHECK DRIVE SHAFT

- Check to see there is no play in the inboard and outboard joints.
- Check to see that the inboard joint slides smoothly in the thrust direction.
- Check to see that there is no obvious play in the radial direction of the universal joints.

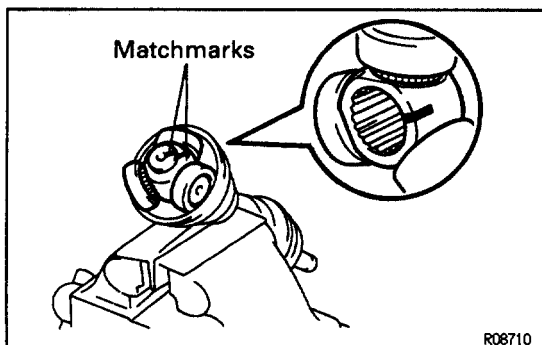


2. REMOVE INBOARD JOINT BOOT CLAMPS



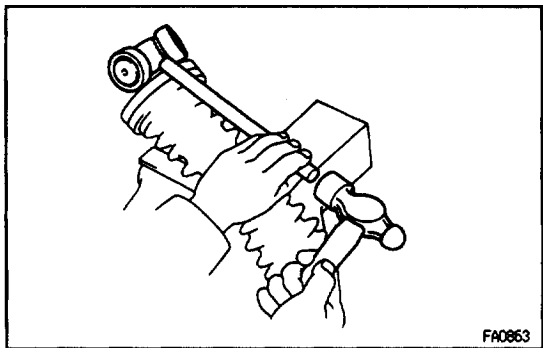
3. DISASSEMBLE INBOARD JOINT TULIP

- Place matchmarks on the inboard joint tulip and shaft.
NOTICE: Do not punch the marks.
- Remove the inboard joint tulip from the drive shaft.



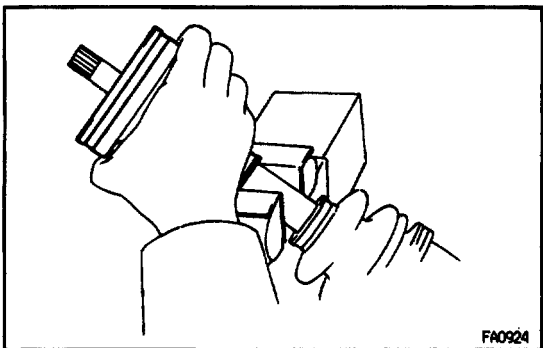
4. DISASSEMBLE TRIPOD JOINT

- Using a snap ring expander, remove the snap ring.
- Place matchmarks on the shaft and tripod.

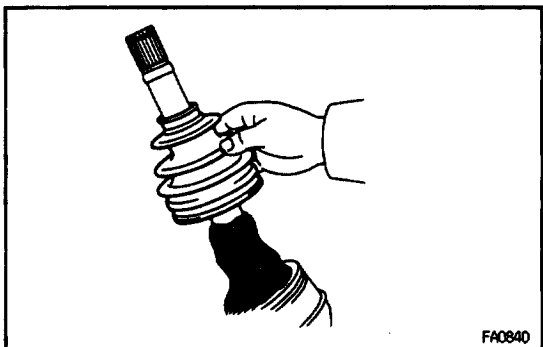


- (c) Using a brass bar and hammer, remove the tripod joint from the drive shaft.

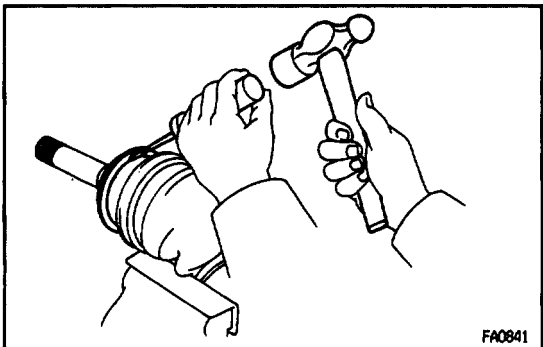
NOTICE: Do not punch the roller.



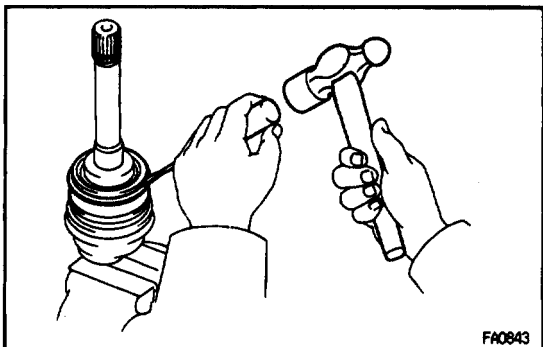
5. REMOVE INBOARD JOINT BOOT



- 6. REMOVE OUTBOARD JOINT BOOT CLAMPS AND BOOT**
NOTICE: Do not disassemble the outboard joint.

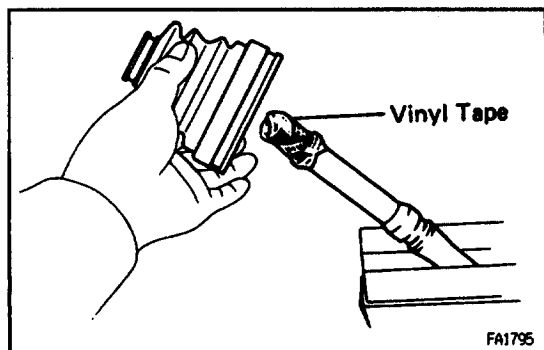


- 7. REMOVE DUST DEFLECTOR**
Using a screwdriver and hammer, remove the dust deflector.



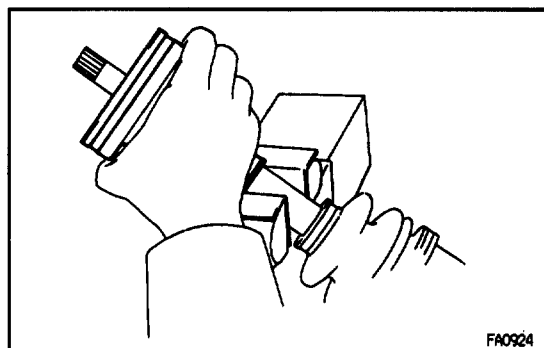
FRONT DRIVE SHAFT ASSEMBLY

- 1. INSTALL DUST DEFLECTOR**
Using a hammer and screwdriver, install a new dust deflector.

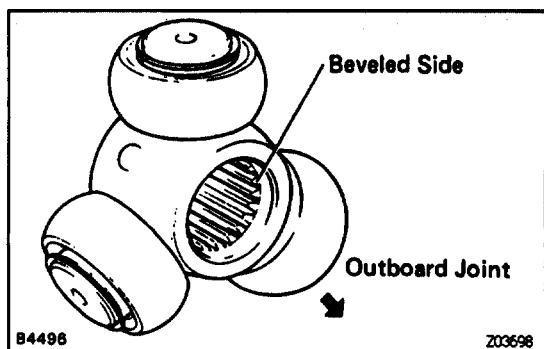


2. TEMPORARILY INSTALL BOOT AND NEW BOOT CLAMPS TO OUTBOARD JOINT

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

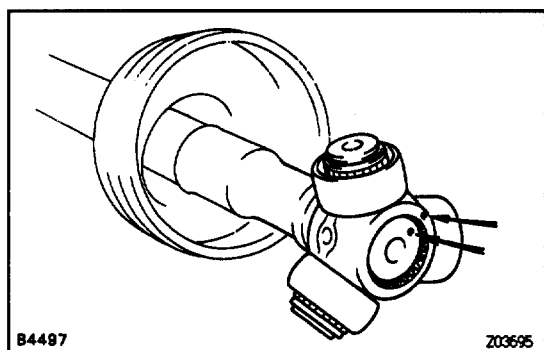


3. TEMPORARILY INSTALL BOOT AND NEW BOOT CLAMPS FOR INBOARD JOINT TO DRIVE SHAFT

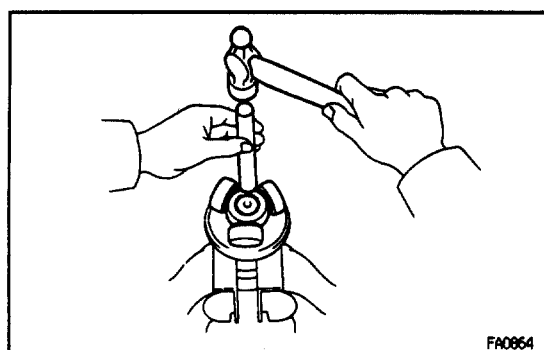


4. ASSEMBLY TRIPOD JOINT

(a) Place the beveled side of the tripod axial spline toward the outboard joint.

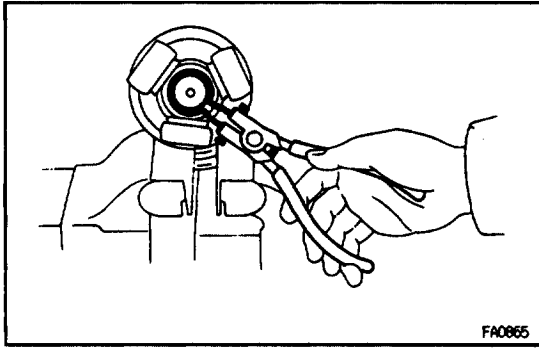


(b) Align the matchmarks placed before disassembly.

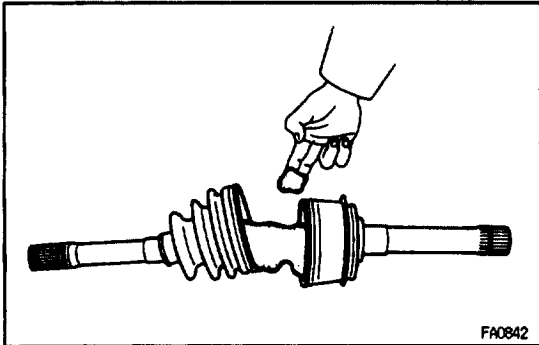


(c) Using a brass bar and hammer, tap in the tripod joint onto the drive shaft.

NOTICE: Do not punch the roller.



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



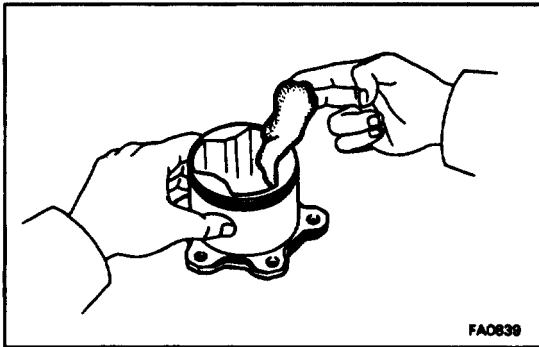
5. ASSEMBLE BOOT TO OUTBOARD JOINT

Before assembling the boot, pack in grease.

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

Grease capacity:

176–186 g (0.39–0.41 lb)



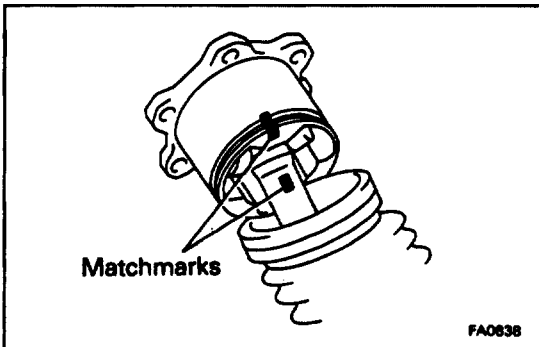
6. ASSEMBLE INBOARD JOINT TO INBOARD JOINT TULIP

- (a) Pack in grease to the inboard tulip and boot.

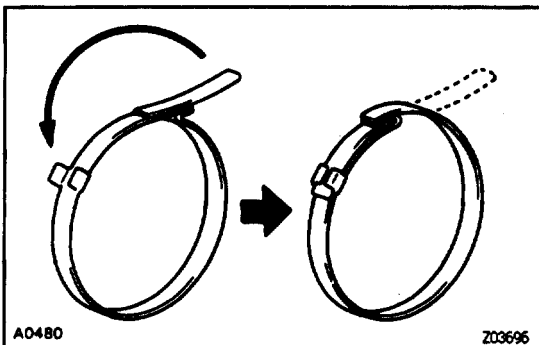
HINT: Use the brown grease supplied in the boot kit.

Grease capacity:

270–280 g (0.60–0.62 lb)

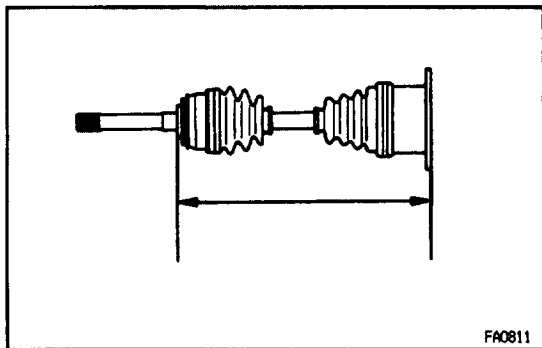


- (b) Align the matchmarks placed before disassembly.
 (c) Install the inboard tulip to the drive shaft.
 (d) Temporarily install the boot to the inboard tulip.



7. ASSEMBLE NEW BOOT CLAMPS TO BOTH BOOTS

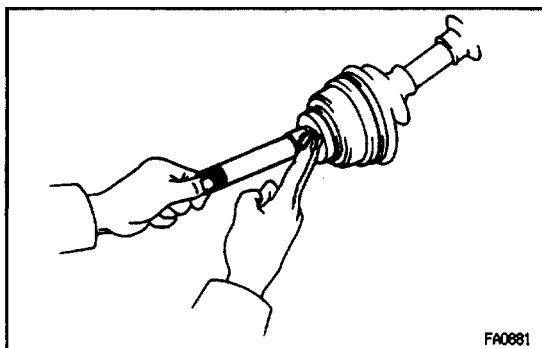
- (a) Be sure the boot is on the shaft groove.
 (b) Bend the band and lock it, as shown in the illustration.



- (c) Ensure that the boot is not stretched or contracted when the drive shaft is at standard length.

Standard length:

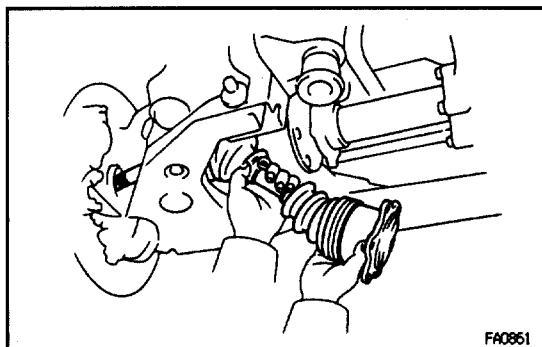
393.9–403.9 mm (15.508–15.902 in.)



FRONT DRIVE SHAFT INSTALLATION

1. APPLY MOLYBDENUM DISULPHIDE LITHIUM BASE GREASE

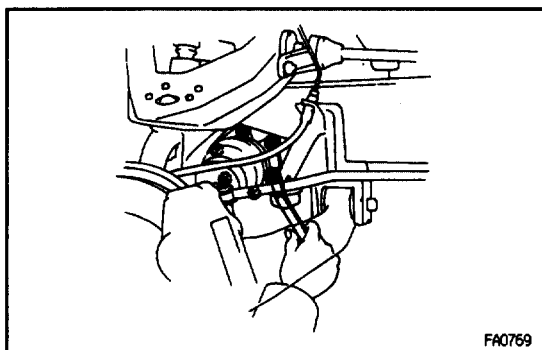
Apply molybdenum disulphide lithium base grease to the outboard joint shaft.



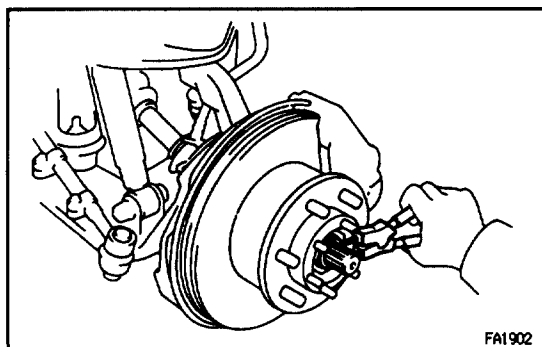
2. INSTALL FRONT DRIVE SHAFT

- (a) First insert the outboard joint shaft to the steering knuckle, and then install it to the side gear shaft.

HINT: Do not damage the boots.

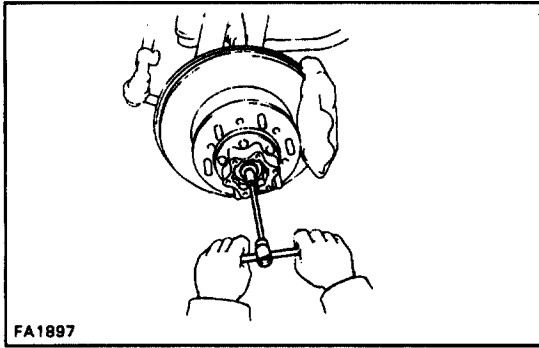


- (b) Temporarily install the 6 nuts.



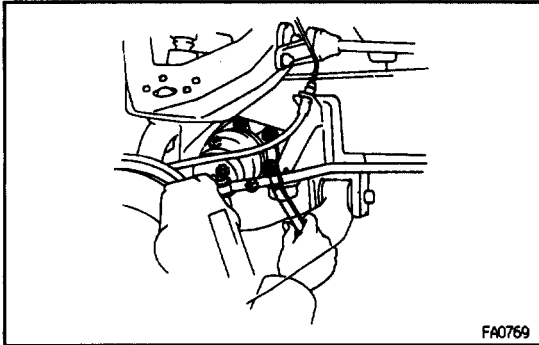
3. INSTALL SPACER AND SNAP RING

Install the spacer, and using a snap ring expander, install the snap ring to the outboard joint shaft.

**4. INSTALL FREE WHEELING HUB OR FLANGE**

Free wheeling hub (See page [SA-40](#))

Flange (See page [SA-28](#))

**5. TORQUE FRONT DRIVE SHAFT INSTALLATION NUTS**

Torque the 6 nuts, while depressing the brake pedal.

Torque: 83 N·m (845 kgf·cm, 61 ft·lbf)

6. INSTALL FRONT WHEEL AND LOWER VEHICLE