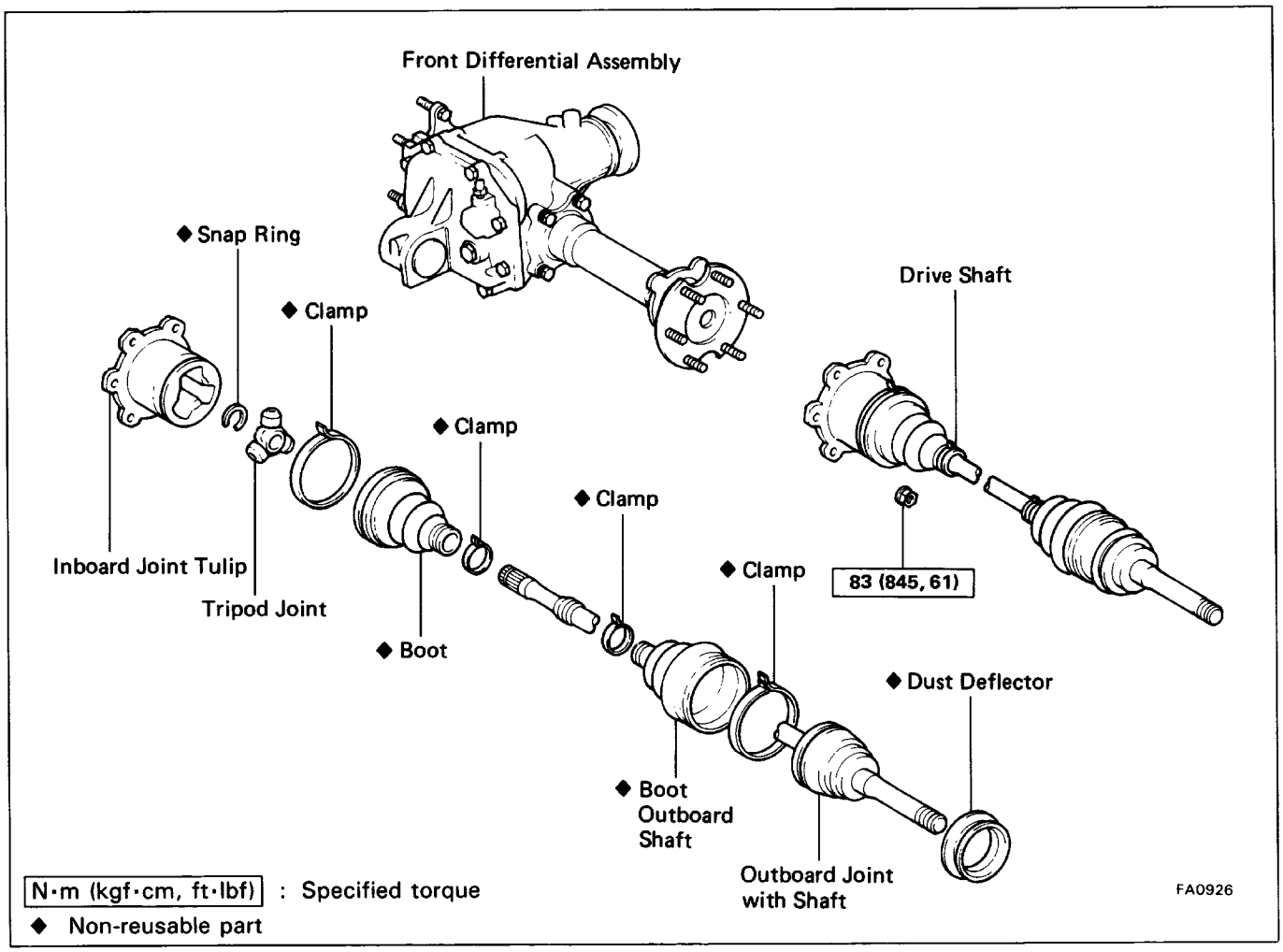
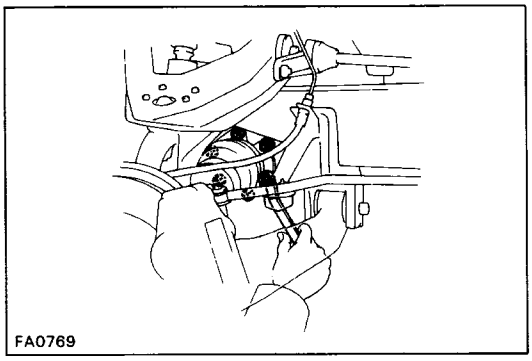
FRONT DRIVE SHAFT

COMPONENTS

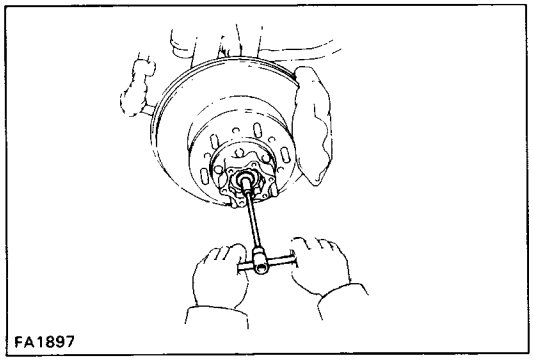




REMOVAL OF FRONT DRIVE SHAFT

1. LOOSEN NUTS HOLDING FRONT DRIVE SHAFT

Loosen the six nuts, while depressing the brake pedal.

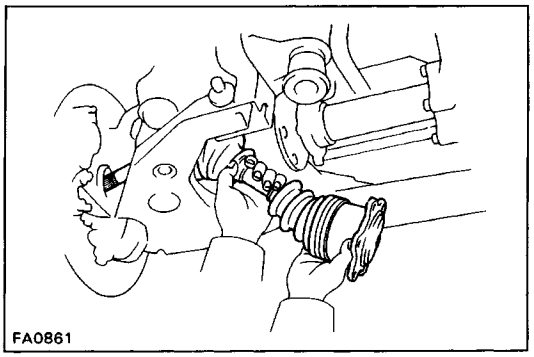


2. REMOVE FREE WHEELING HUB OR FLANGE

(Free wheeling hub See page SA–29)
(Flange See page SA–36)

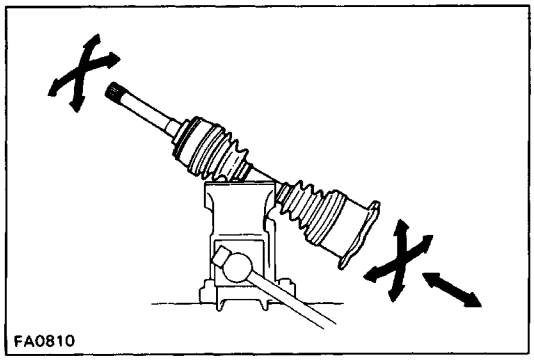
3. REMOVE SNAP RING AND SPACER

Using a snap ring expander, remove the snap ring from the drive shaft.



4. REMOVE FRONT DRIVE SHAFT

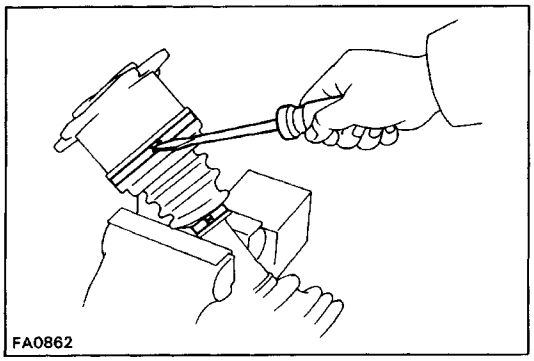
First pull the front drive shaft inboard joint tulip from the side gear shaft, and then pull it out from the steering knuckle.



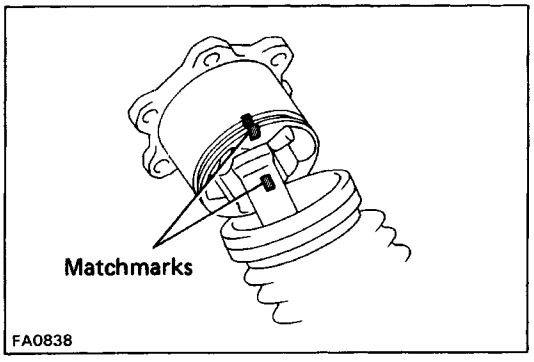
DISASSEMBLY OF FRONT DRIVE SHAFT

1. CHECK DRIVE SHAFT

(a) Check to see there is no play in the inboard and out–board joints.
(b) Check to see that the inboard joint slides smoothly in the thrust direction.
(c) Check to see that there is no noticeable play in the radial direction of the universal joints.
(d) Check for damage to the boots.



2. REMOVE INBOARD JOINT BOOT CLAMPS

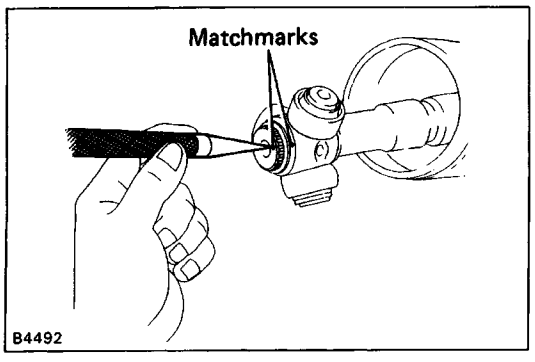


3. DISASSEMBLE INBOARD JOINT TULIP

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

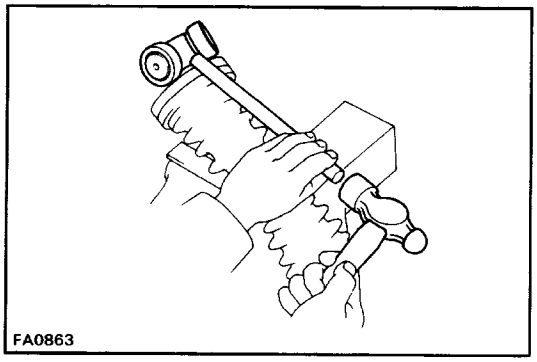
NOTICE: Do not punch the marks.

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

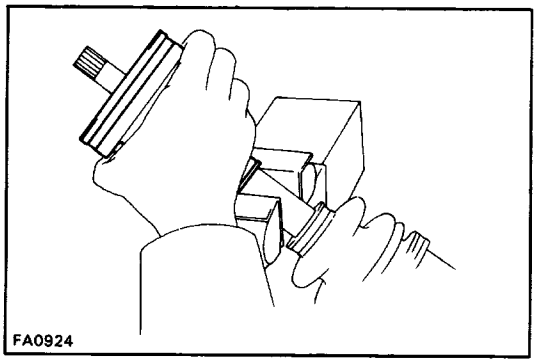


4. DISASSEMBLE TRIPOD JOINT

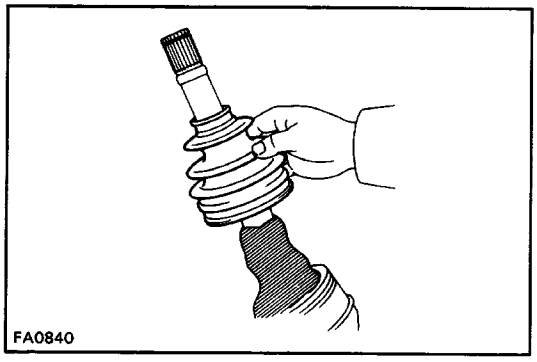
(a) Using a snap ring expander, remove the snap ring.
(b) Using a punch and hammer, place matchmarks on the shaft and tripod.



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

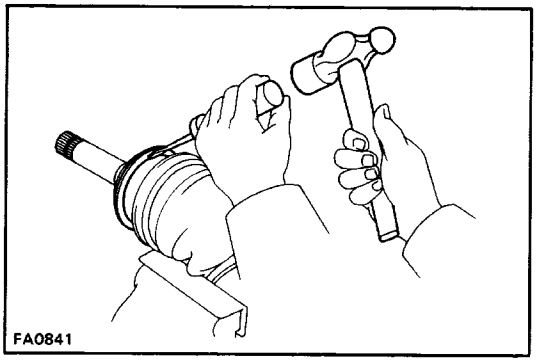


5. REMOVE INBOARD JOINT BOOT



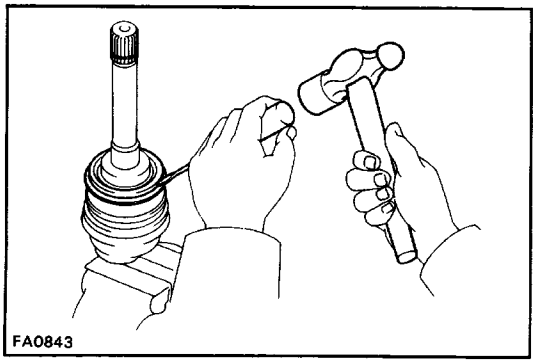
6. REMOVE OUTBOARD JOINT BOOT CLAMPS AND BOOT

NOTICE: Do not disassemble the outboard joint.



7. REMOVE DUST DEFLECTOR

Using a screwdriver and hammer, remove the dust de–flector.

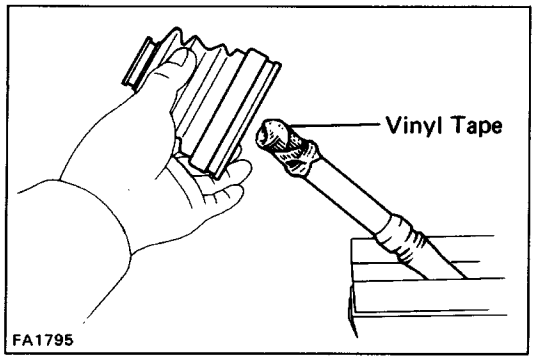


ASSEMBLY OF FRONT DRIVE SHAFT

(See page SA–46)

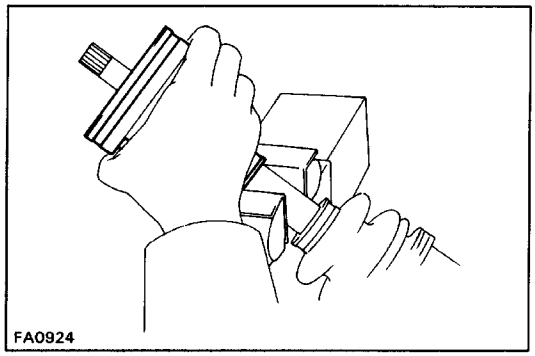
1. INSTALL DUST DEFLECTOR

Using a hammer and screwdriver, install a new dust de–flector.

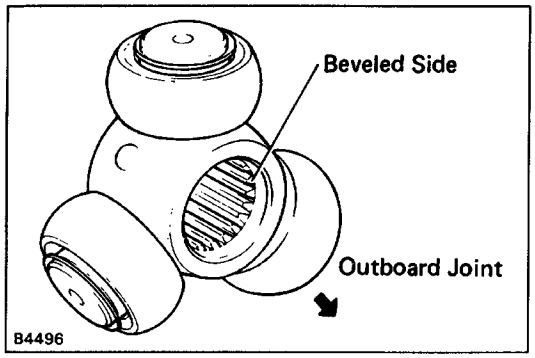


2. TEMPORARILY INSTALL BOOT AND NEW BOOT CLAMPS TO OUTBOARD JOINT

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

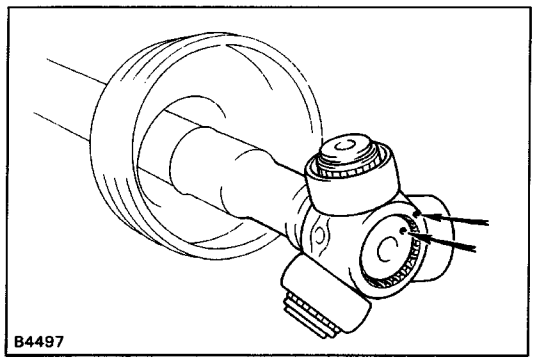


3. TEMPORARILY INSTALL BOOT AND NEW BOOT CLAMPS FOR INBOARD JOINT TO DRIVE SHAFT

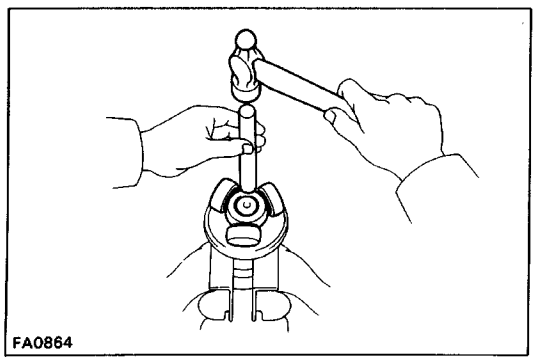


4. ASSEMBLE TRIPOD JOINT

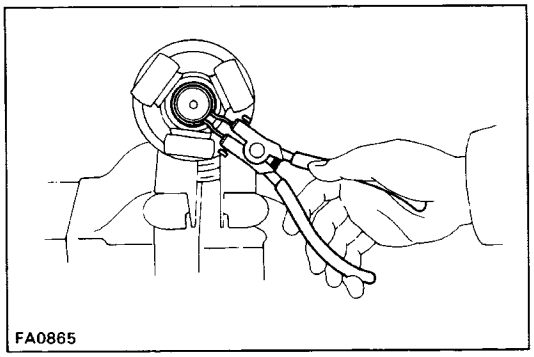
(a) Place the beveled side of the tripod axial spline toward the outboard joint.



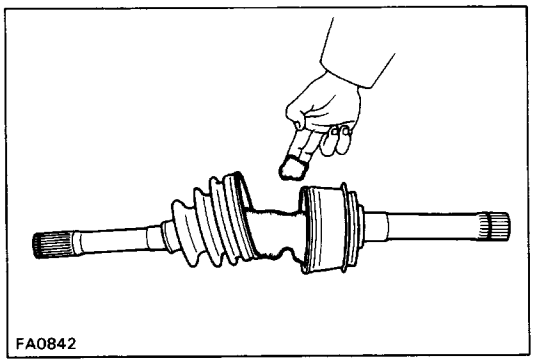
(b) Align the matchmarks placed before disassembly.



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



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

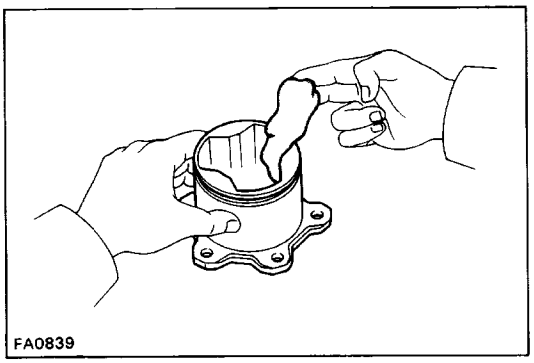


5. ASSEMBLE BOOT TO OUTBOARD JOINT

Before assembling the boot, pack in grease.

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

Grease capacity: 195 – 205 g (0.43 – 0.45 lb)

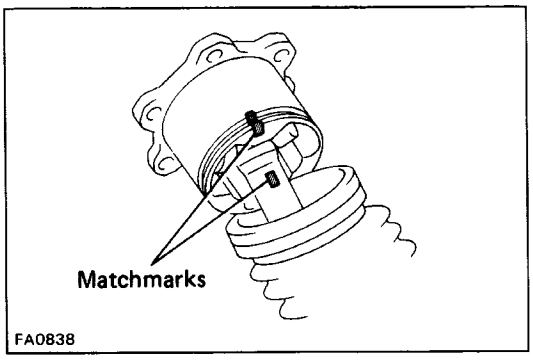


6. ASSEMBLE INBOARD JOINT TO INBOARD JOINT TULIP

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

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

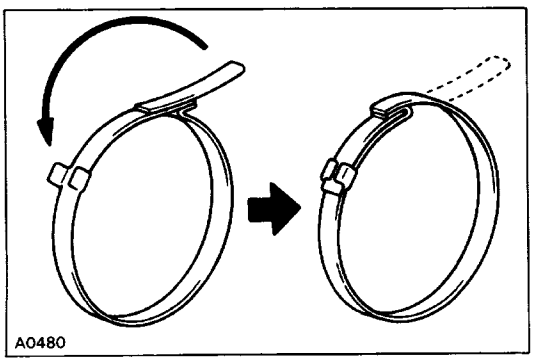
Grease capacity: 270 – 280 g (0.60 – 0.62 lb)



(b) Align the matchmarks placed before disassembly.

(c) Install the inboard tulip to the drive shaft.

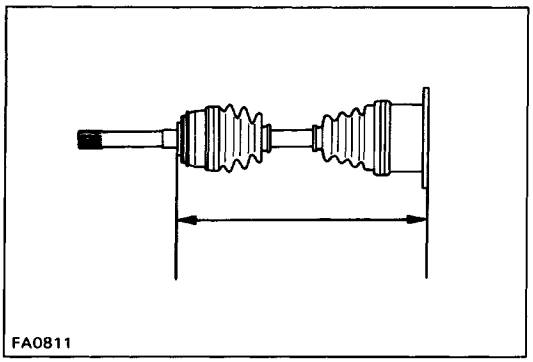
(d) Temporarily install the boot to the inboard tulip.



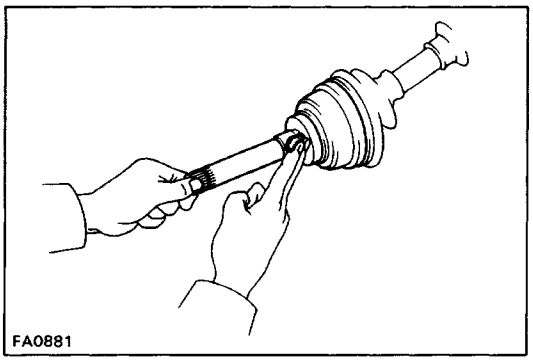
7. ASSEMBLE NEW BOOT CLAMPS TO BOTH BOOTS

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

(b) Bend the band and lock it as shown in the figure.


FA0811

(c) Insure 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.)

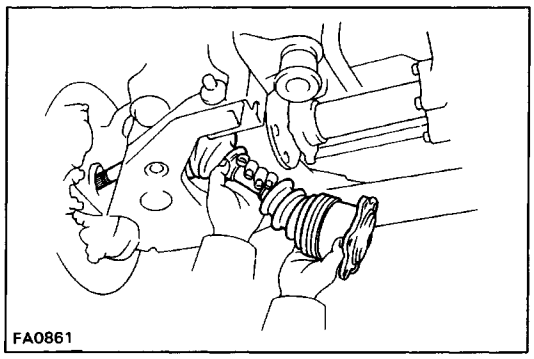

FA0881

INSTALLATION OF FRONT DRIVE SHAFT

(See page SA–46)

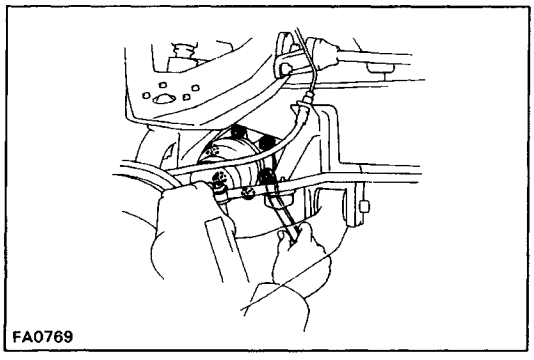
1. APPLY MOLYBDENUM DISULPHIDE LITHIUM BASE GREASE

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

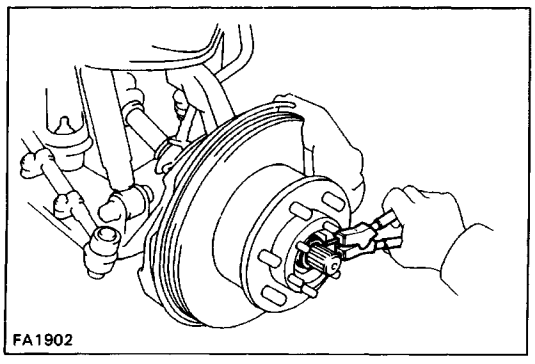

FA0861

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.

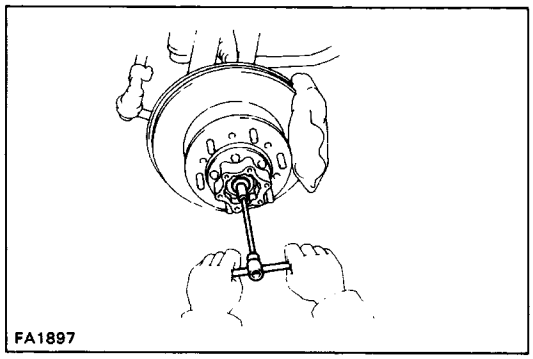

FA0769

(b) Temporarily install the six nuts.


FA1902

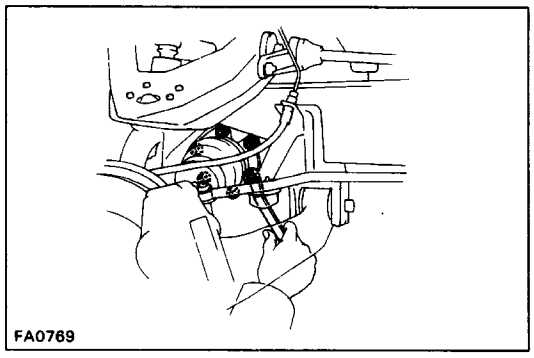
3. INSTALL SPACER AND SNAP RING

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–33)
(Flange See page SA–39)



5. TORQUE FRONT DRIVE SHAFT INSTALLATION NUTS

Torque the six nuts, while depressing the brake pedal.
Torque: 83 N–m (845 kgf–cm, 61 ft–lbf)