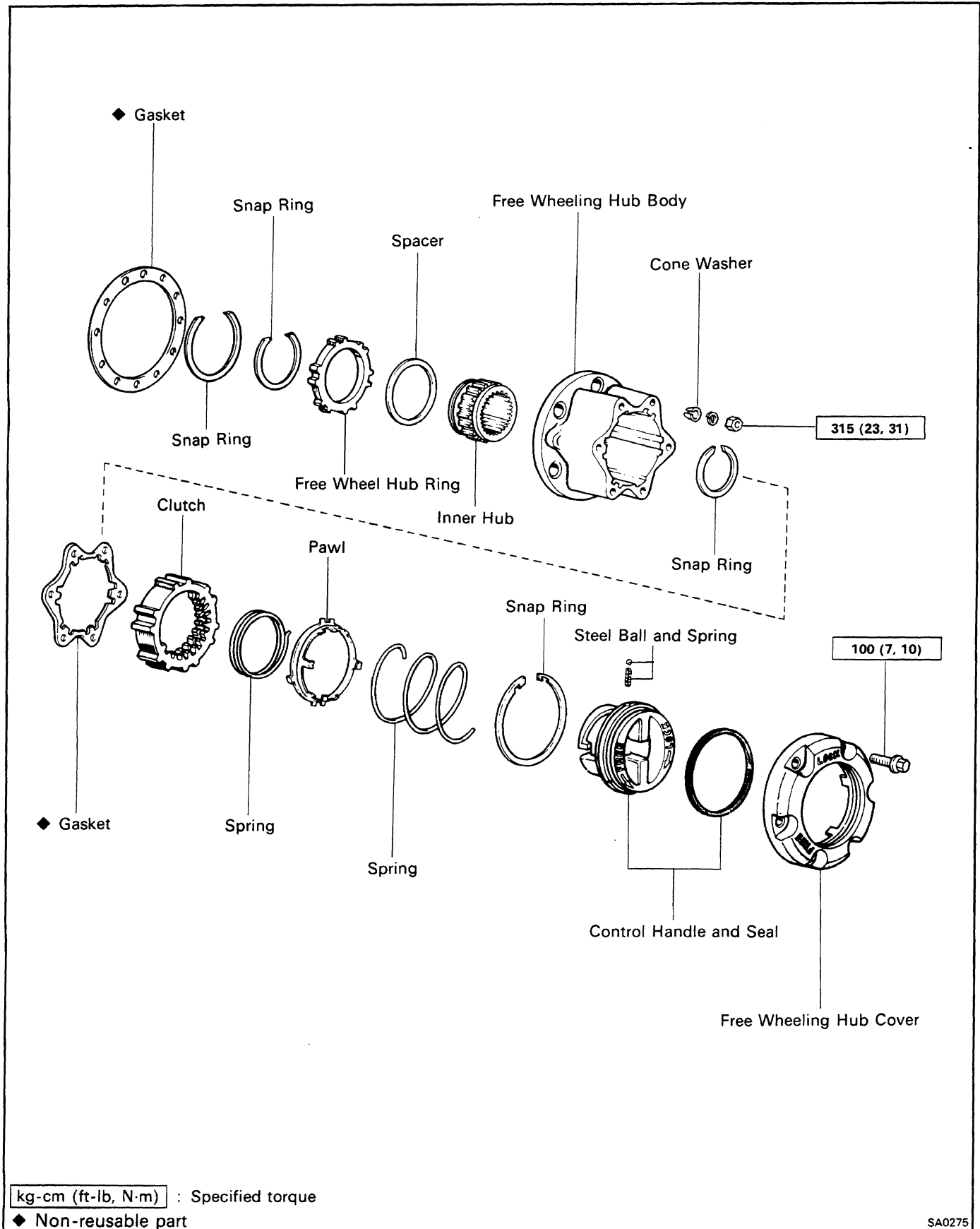
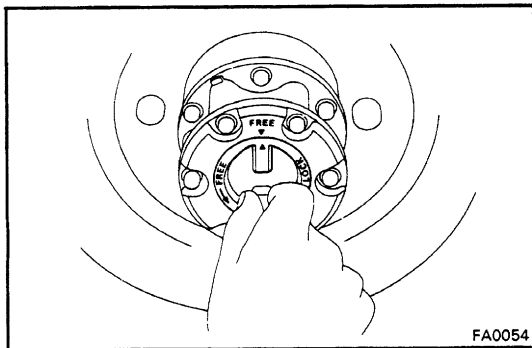


FREE WHEEL HUB COMPONENTS

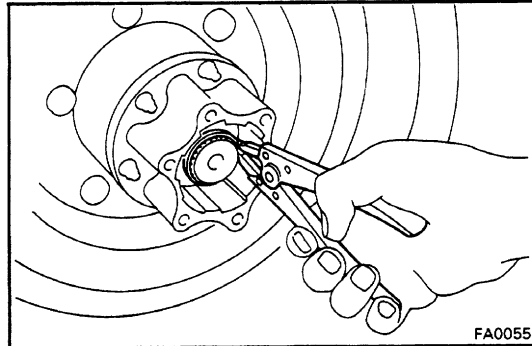




REMOVAL OF FREE WHEEL HUB

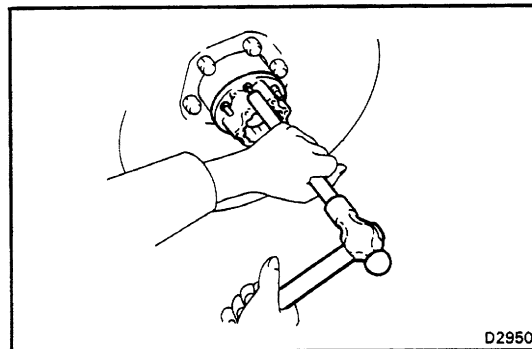
1. REMOVE FREE WHEEL HUB COVER

- (a) Set the control handle to FREE.
- (b) Remove the cover mounting bolts and pull off the cover.



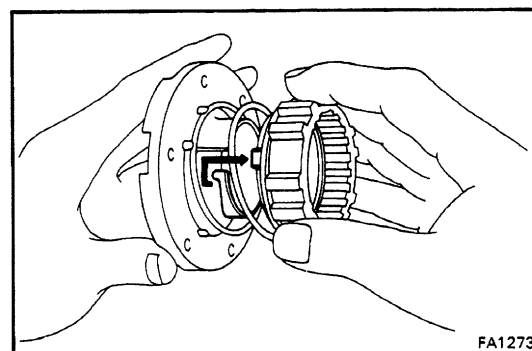
2. REMOVE SNAP RING

Using snap ring pliers, remove the snap ring.



3. REMOVE FREEWHEEL HUB BODY

- (a) Remove the mounting nuts.
- (b) Using a brass bar and hammer, tap the bolt heads and remove the cone washers.
- (c) Pull off the free wheel hub body.



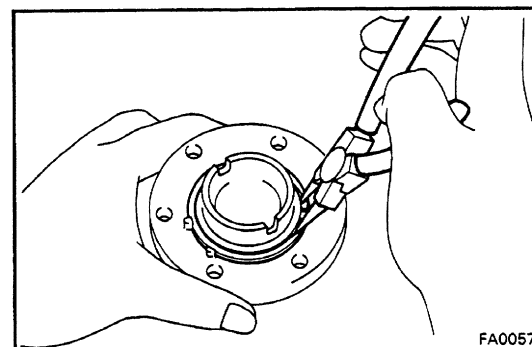
DISASSEMBLY OF FREE WHEEL HUB

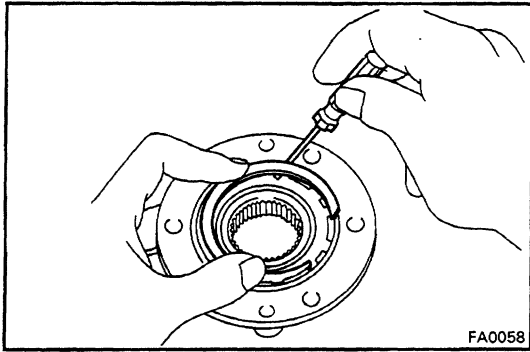
1. REMOVE CONTROL HANDLE FROM FREE WHEEL HUB COVER

- (a) Compressing the spring, remove the pawl tab from the handle cam, and remove the clutch.
- (b) Using snap ring pliers, remove the snap ring.
- (c) Remove the control handle.
- (d) Remove the steel ball and spring from the control handle.

2. REMOVE CONTROL HANDLE FROM FREE WHEEL HUB COVER

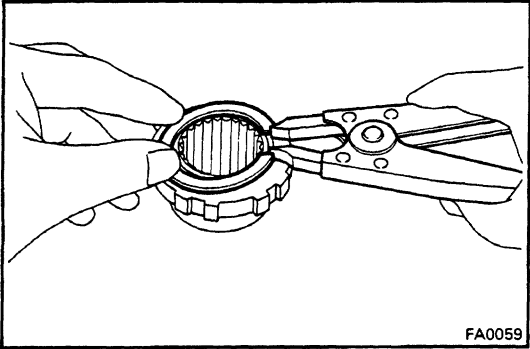
- (a) Using snap ring pliers, remove the snap ring.
- (b) Remove the control handle.
- (c) Remove the steel ball and spring from the control handle.





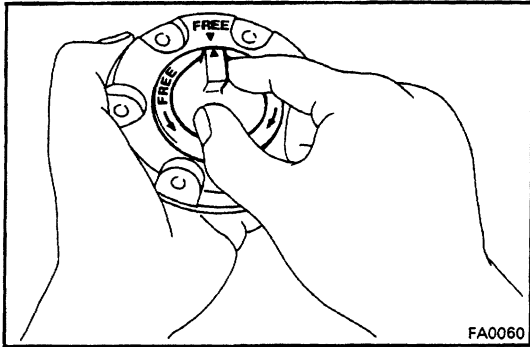
3. REMOVE INNER HUB AND FREE WHEEL HUB RING FROM FREE WHEEL HUB BODY

- (a) Using a screwdriver, remove the snap ring.
- (b) Remove the inner hub and free wheel hub ring.



4: REMOVE FREEWHEEL HUB RING FROM INNER HUB-

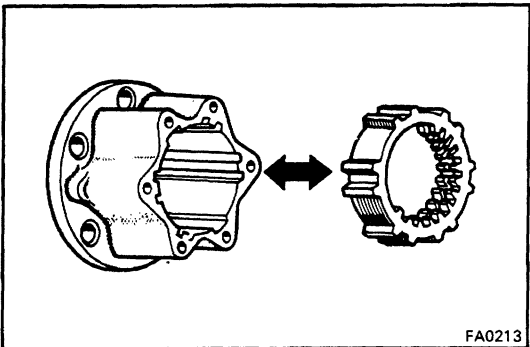
- (a) Using snap ring pliers, remove the snap ring.
- (b) Remove the free wheel hub ring and spacer.



INSPECTION OF FREE WHEEL HUB

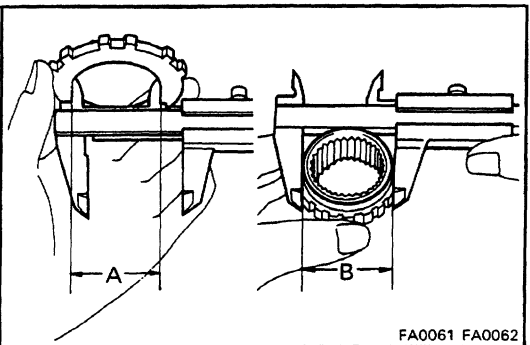
1. INSPECT COVER, HANDLE AND SEAL

Temporarily install the handle in the cover and check that the handle moves smoothly and freely.



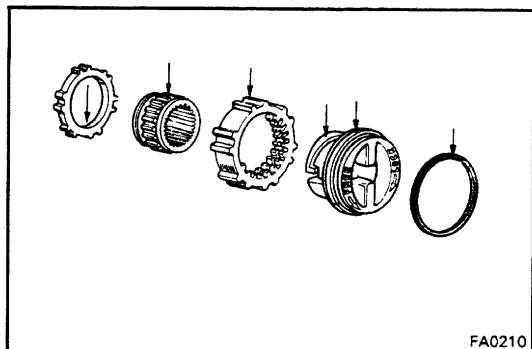
2. INSPECT BODY AND CLUTCH

Check that the clutch moves smoothly in the body.



3. MEASURE OIL CLEARANCE BETWEEN INNER HUB AND FREE WHEEL HUB RING

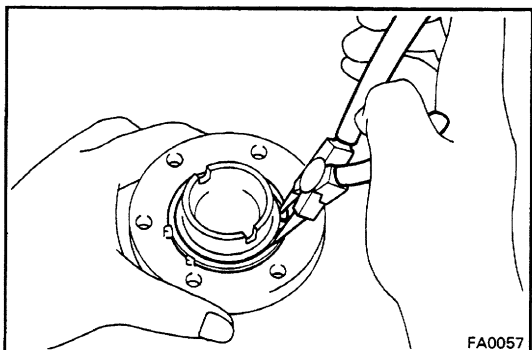
Oil clearance (A – B): 0.3 mm (0.012 in.)



ASSEMBLY OF FREE WHEEL HUB

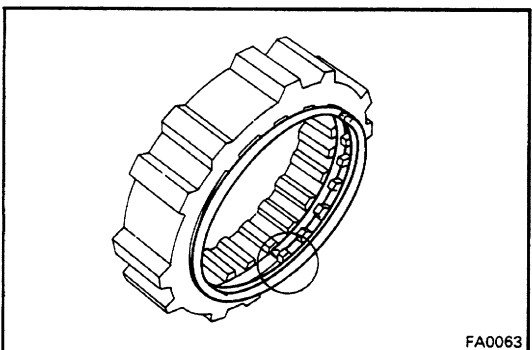
(See page [SA-7](#))

1. APPLY MP GREASE TO SLIDING SURFACE OF PARTS



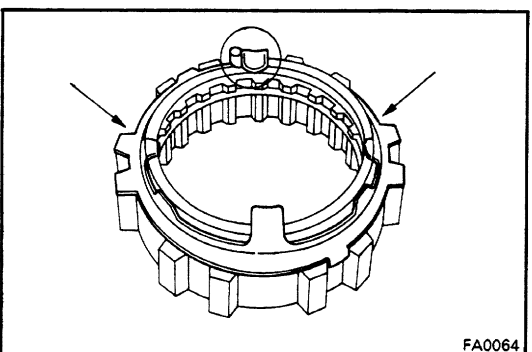
2. INSTALL CONTROL HANDLE TO COVER

- (a) Install the seal, spring and steel ball to the handle.
- (b) Insert the handle in the cover and install the snap ring with snap ring pliers.



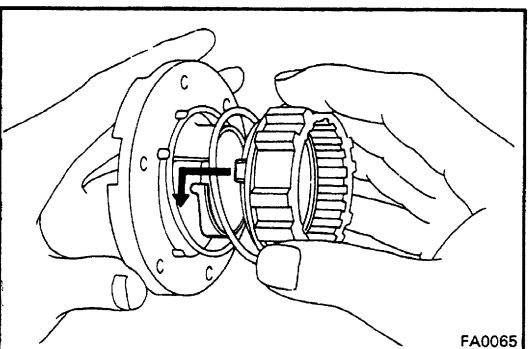
3. INSTALL TENSION SPRING ON CLUTCH

Install the tension spring in the clutch with the spring end aligned with the initial groove.



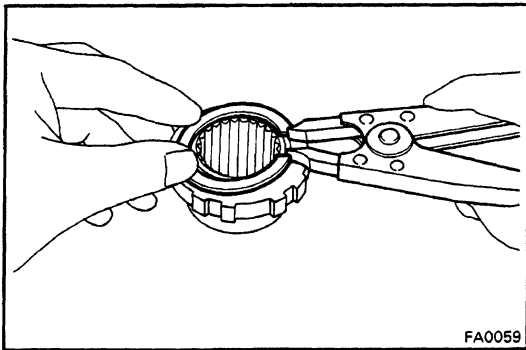
4. INSTALL FOLLOWER PAWL TO CLUTCH

- (a) Place the follower pawl on the tension spring with one of the large tabs against the bent spring end.
- (b) Place the top ring of the spring on the small tabs.



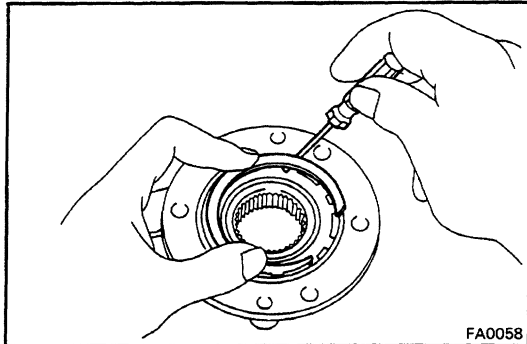
5. INSTALL CLUTCH AND SPRING INTO COVER

- (a) Place the spring between the cover and clutch with the large spring end toward the cover.
- (b) Compress the spring and install the clutch with the pawl tab fit to the handle cam.



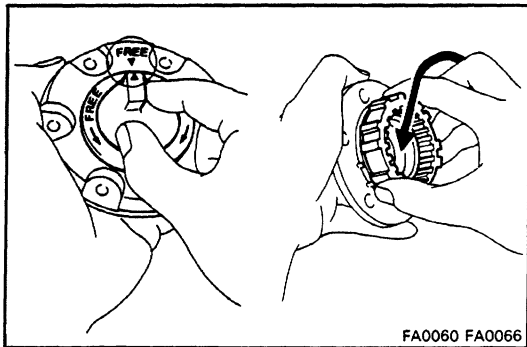
6. INSTALL SPACER AND FREE WHEEL HUB RING TO INNER HUB

- (a) Install the spacer and free wheel hub ring to the inner hub.
- (b) Using snap ring pliers, install the snap ring.



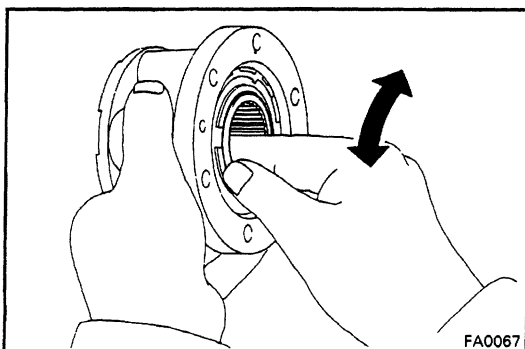
7. INSTALL INNER HUB AND FREE WHEEL HUB RING IN . FREE WHEEL HUB BODY

- (a) Insert the inner hub and wheel hub ring in the body.
- (b) Using a screwdriver, install the snap ring.

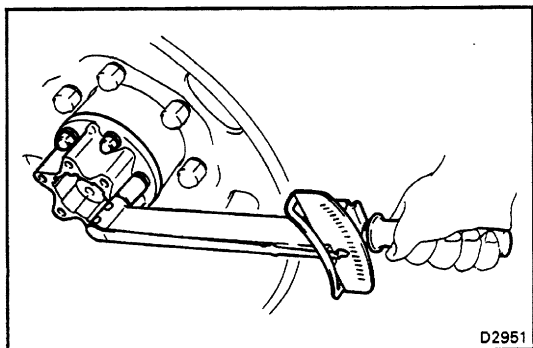


8. TEMPORARILY INSTALL COVER TO BODY AND CHECK FREE WHEEL HUB

- (a) Set the control handle and clutch to the free position.



- (b) Insert the cover in the body and verify that the inner hub turns smoothly.
- (c) Remove the cover from the body.



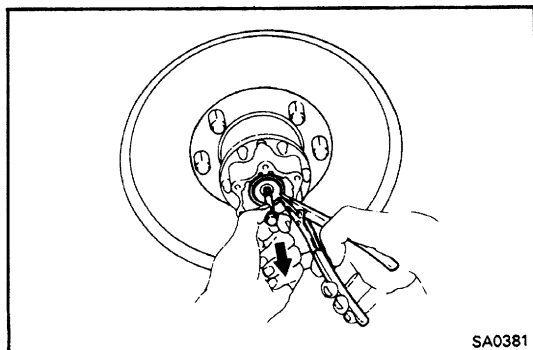
INSTALLATION OF FREE WHEEL HUB

(See page SA-7)

1. INSTALL FREE WHEEL HUB BODY

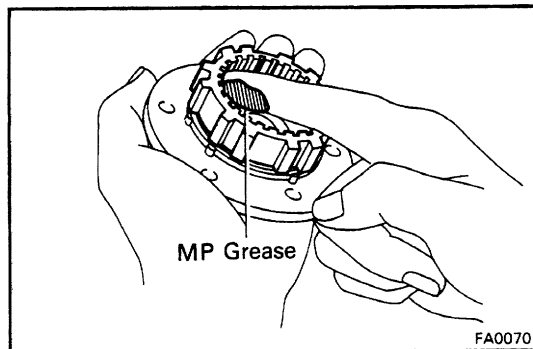
- Place a new gasket in position on the front axle hub.
- Install the free wheel hub body with six cone washers and nuts. Torque the nuts.

Torque: 315 kg-cm (23 ft-lb, 31 N-m)

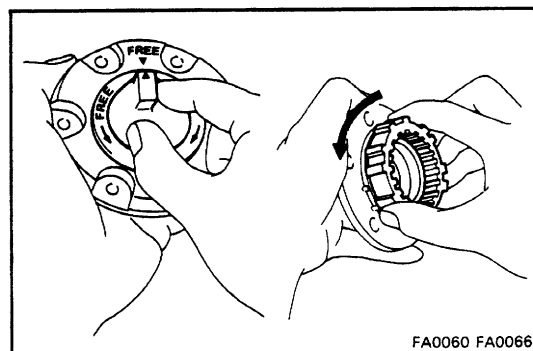


2. INSTALL SNAP RING

- Install a bolt in the axle shaft and pull it out.
- Using snap ring pliers, install the snap ring.
- Remove the bolt.

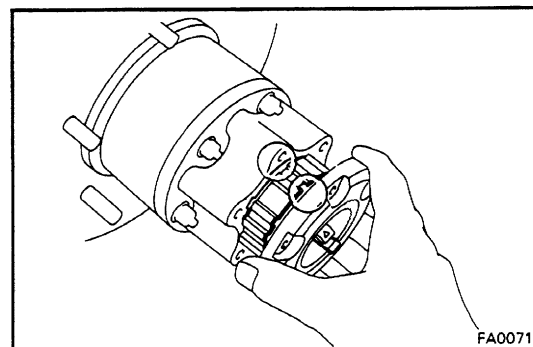


3. APPLY MP GREASE TO INNER HUB SPLINES



4. INSTALL FREE WHEEL HUB COVER WITH NEW GASKET

- Set the control handle and clutch to the free position.
- Place a new gasket in position on the cover.



- Install the cover to the body with the follower pawl tabs aligned with the non-toothed portions of the body.
- Torque the cover mounting bolts.

Torque: 100 kg-cm (7 ft-lb, 10 N-m)