

FA0185

Front Axle Hub

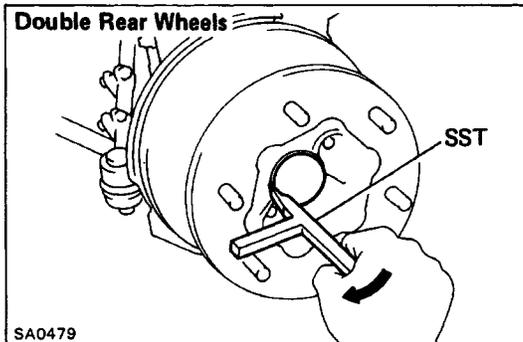
(See page SA-11)

DISASSEMBLY OF FRONT AXLE HUB

1. REMOVE DISC BRAKE CYLINDER AND TORQUE PLATE

- (a) Remove the brake cylinder and suspend it with wire.
- (b) Remove the torque plate.

HINT: Do not disconnect the brake tube and hose.



SA0479

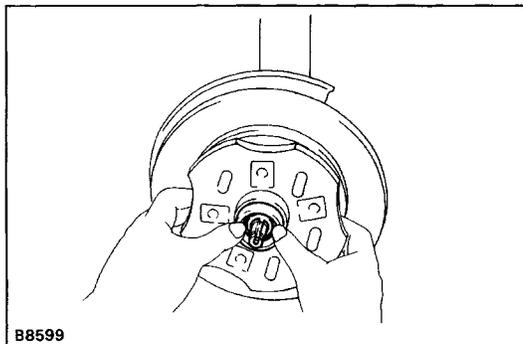
2. REMOVE AXLE HUB WITH DISC

- (a) (Single rear wheel)
Remove the cap.
- (Double rear wheels)
Using SST, pry off the cap.

SST 09504-22011

- (b) Remove the hub and disc together with the outer bearing and thrust washer.

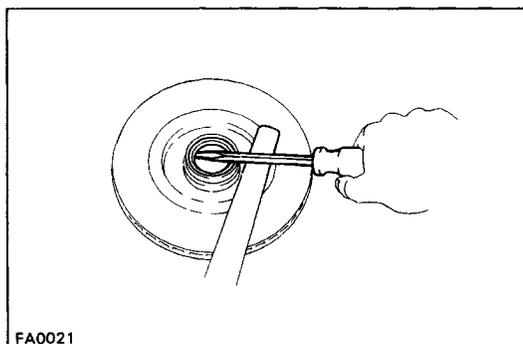
HINT: Be careful not to drop the outer bearing.



B8599

3. REMOVE INNER BEARING AND OIL SEAL

- (a) Using a screwdriver, pry out the oil seal.
- (b) Remove the inner bearing from the hub.



FA0021

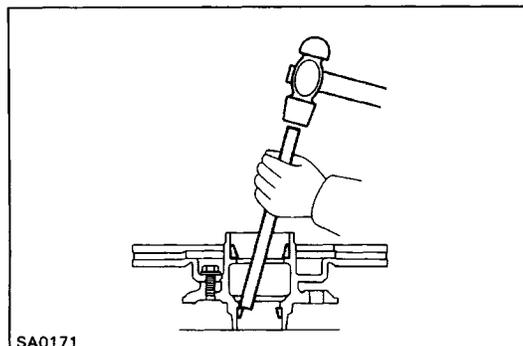
INSPECTION AND REPAIR OF FRONT AXLE HUB

1. INSPECT BEARING

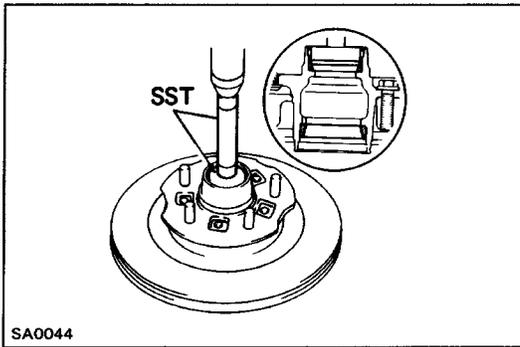
Clean the bearings and outer races and inspect them for wear or damage.

2. REPLACE BEARING OUTER RACE

- (a) Using a brass bar and hammer, drive out the bearing outer race.



SA0171

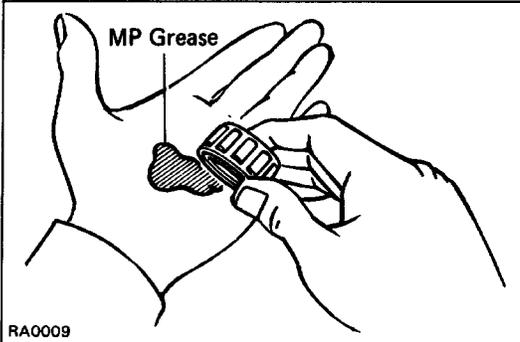


- (b) Using SST, carefully drive in a new bearing outer race.

SST 09608-30012

(Inside race 09608-04020, 09608-04100)

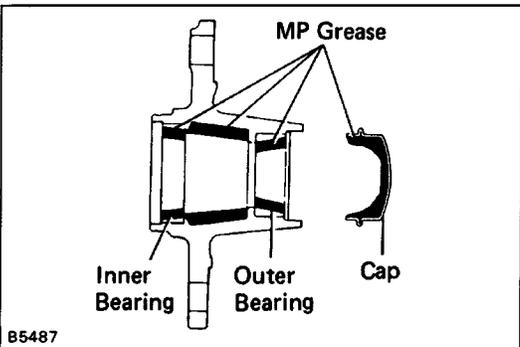
(Outside race 09608-04020, 09608-04060)



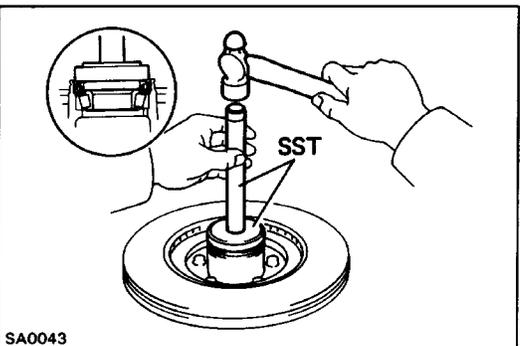
ASSEMBLY OF FRONT AXLE HUB

1. PACK BEARINGS WITH MP GREASE

- Place MP grease in the palm of your hand.
- Pack grease into the bearing, continuing until the grease oozes out from the other side.
- Do the same around the bearing circumference.



2. COAT INSIDE OF HUB AND CAP WITH MP GREASE



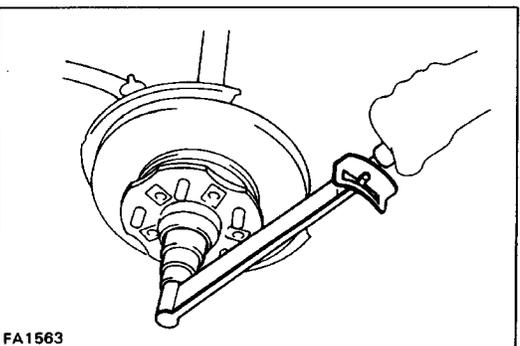
3. INSTALL INNER BEARING AND OIL SEAL

Place inner bearing into the hub. Using SST, drive the oil seal into the hub. Coat the oil seal with MP grease.

SST 09608-30012 (09608-04020, 09608-04100)

4. INSTALL AXLE HUB ON SPINDLE

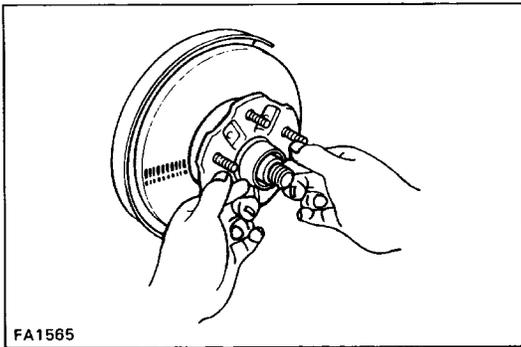
- Place the axle hub on the spindle.
- Install the outer bearing and thrust washer.



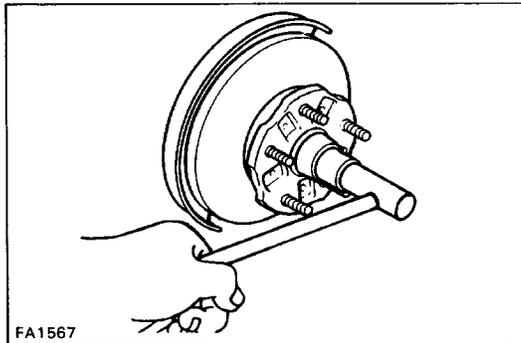
5. ADJUST PRELOAD

- Install and torque the nut.

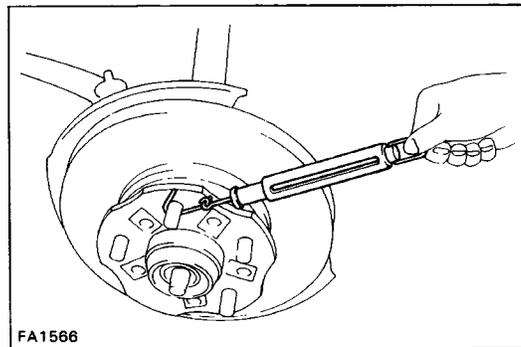
Torque: 34 N-m (350 kgf-cm, 25 ft-lbf)



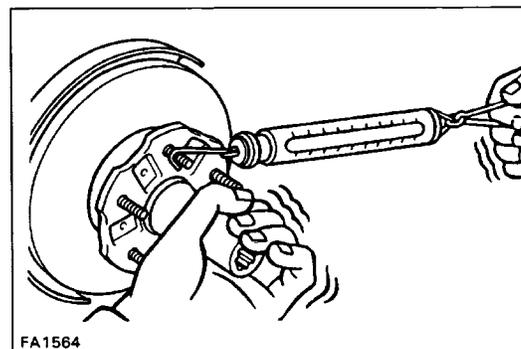
(b) Snug down the bearing by turning the hub several times.



(c) Loosen the nut until it can be turned by hand.



(d) Using a spring tension gauge, measure and make a note of the frictional force of the oil seal.



(e) Tighten the nut until the preload is within specification.

Preload (starting):

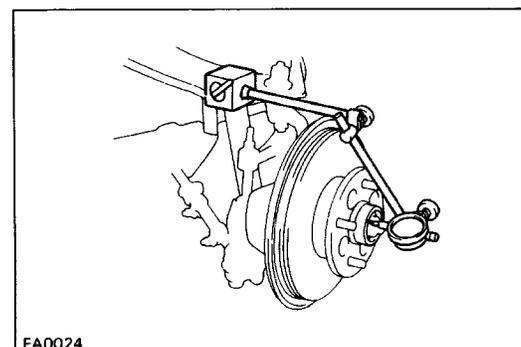
Add oil seal frictional force

Single rear wheel

5.9– 17.7N(0.6– 1.8kgf, 1.3–4.–lbf)

Double rear wheels

3.9–9.8N(0.4– 1.0kgf,0.9–2.2lbf)



(f) Measure the hub axial play.

Axial play: 0.05 mm (0.0020 in.) or less

6. INSTALL LOCK NUT, COTTER PIN AND GREASE CAP
7. INSTALL BRAKE CYLINDER AND TORQUE PLATE ONTO STEERING KNUCKLE

Torque: 34 N–m (350 kgf–cm, 25 ft–lbf)