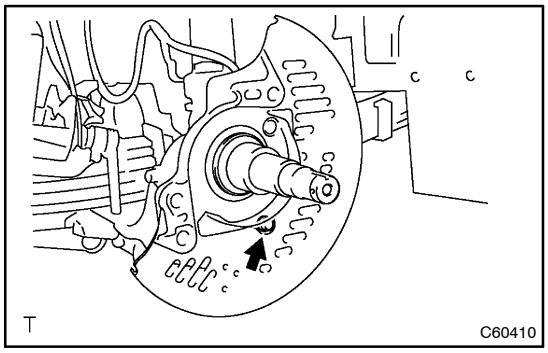
OVERHAUL

HINT:
On the RH side, use the same procedures as on the LH side.
This explation is in case of disc brake, But in case of drum brake in the same procedures.

1. REMOVE FRONT AXLE HUB SUB–ASSY LH (See page 30–40)

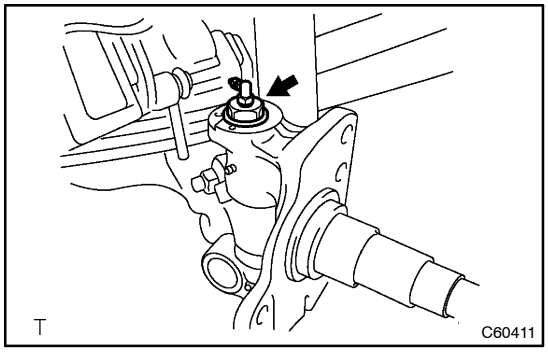


2. REMOVE DISC BRAKE DUST COVER SUB–ASSY FRONT LH

(a) Remove the nut and bolt, and then disconnect the flexible hose from the bracket on the steering knuckle.
(b) Remove the bolt and flexible hose bracket from the steering knuckle.
(c) Remove the 4 bolts and dust cover from the steering knuckle.

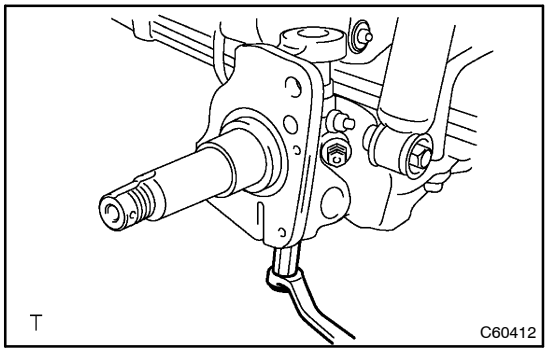
3. REMOVE STEERING KNUCKLE ARM LH

(a) Remove the cotter pin and nut, and disconnect the drag link from the steering knuckle arm.
(b) Remove the cotter pin and nut, and disconnect the tie rod end from the steering knuckle arm.
(c) Remove the nut and steering knuckle arm.

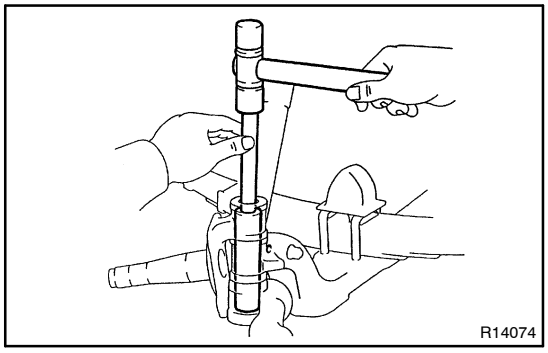


4. REMOVE STEERING KNUCKLE LH

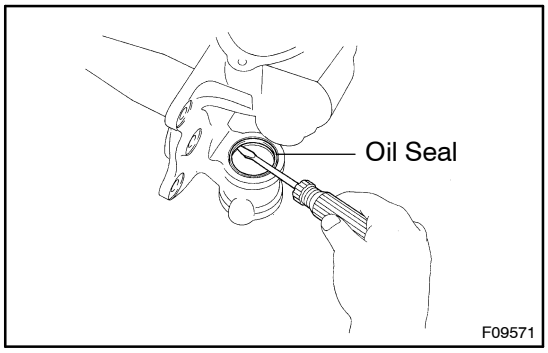
(a) Remove the upper steering knuckle plug.



(b) Remove the lower steering knuckle plug.
(c) Remove the nut from the king pin stopper.
(d) Using a plastic hammer, remove the king pin stopper.

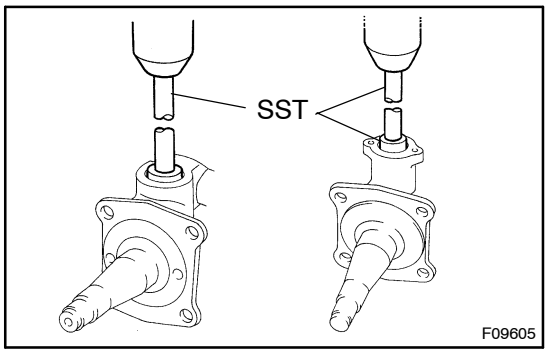


(e) Using a brass bar and hammer, tap out the king pin.
(f) Remove the steering knuckle, shim and bearing.



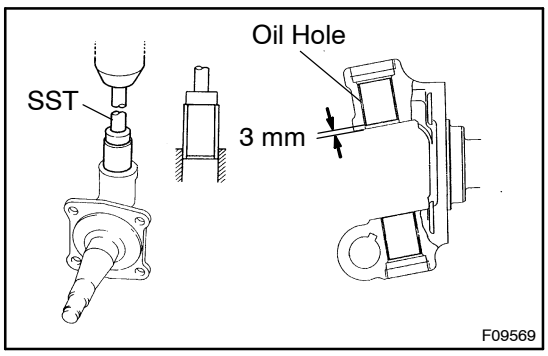
5. REMOVE OIL SEAL

(a) Using a screwdriver, pry out the oil seal.



6. REMOVE BUSHES

(a) Using SST and a press, press out the upper and lower bushings.
SST 09601–37011, 09950–70010 (09951–07150)



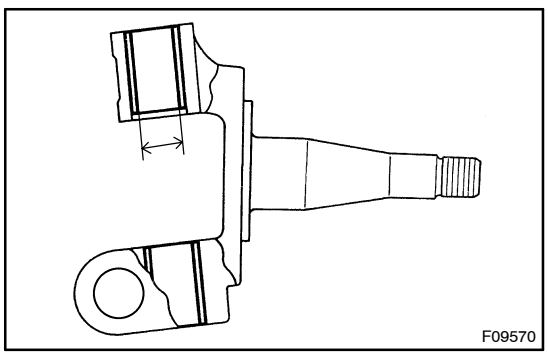
7. INSTALL BUSHES

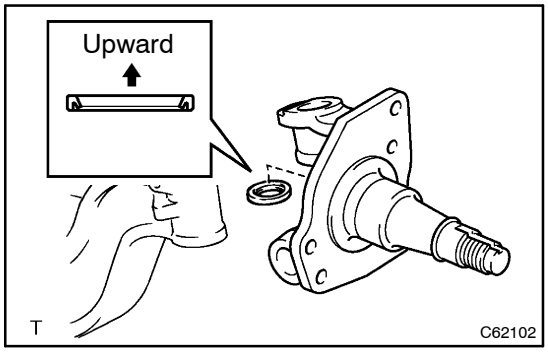
(a) Using SST and a press, press in new upper and lower bushings.
SST 09601–37011, 09950–70010 (09951–07150)

HINT:

- Press in the upper bushing with its oil hole facing inward until the bushing edge comes in 3 mm (0.118 in.) from the knuckle lower edge.
- Press in the lower bushing with its oil hole facing outward until the bushing and knuckle upper edge become even.

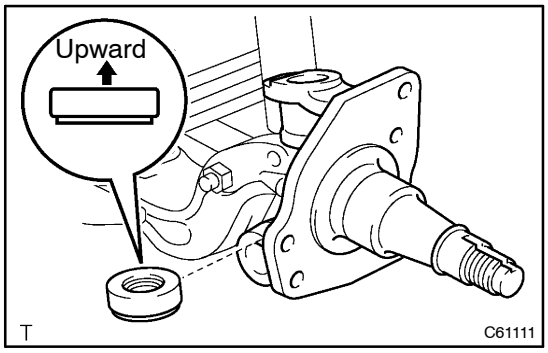
(b) Measure the bushing inner diameter.
Inner diameter: 28.01 – 28.03 mm (1.1028 – 1.1035 in.)





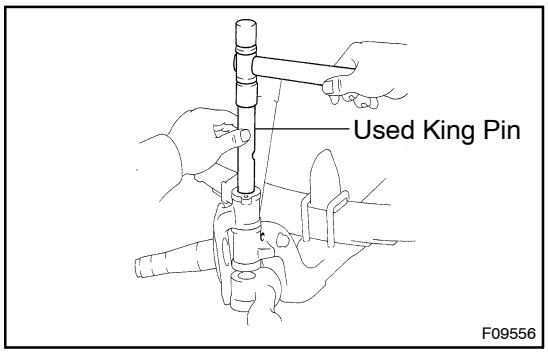
8. INSTALL OIL SEAL

(a) Install a new oil seal.



9. INSTALL BEARING

(a) Install the bearing



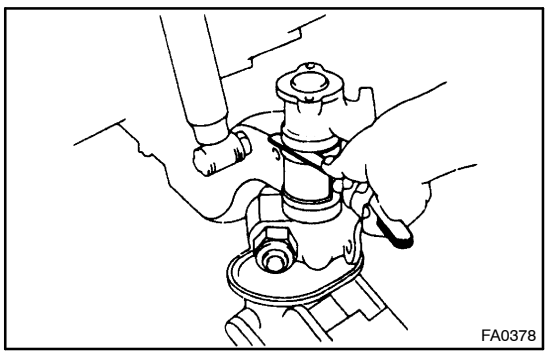
10. INSTALL STEERING KNUCKLE LH

(a) Place the shim and bearing.

(b) Using a plastic hammer, tap in the king pin.

HINT:

Apply MP grease to the bushing, I–beam and bearing inside.



(c) Using a jack, raise the steering knuckle.

(d) Measure the clearance between the I–beam and knuckle.

Thrust clearance: 0.10 mm (0.039 in.) or less

(e) Select the shim.

Standard thickness:

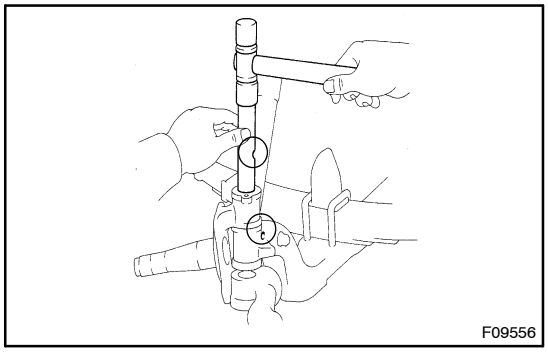
1.7 mm (0.067 in.)	2.1 mm (0.083 in.)
1.8 mm (0.071 in.)	2.2 mm (0.087 in.)
1.9 mm (0.075 in.)	2.3 mm (0.091 in.)
2.0 mm (0.079 in.)	2.4 mm (0.094 in.)

(f) Remove the jack.

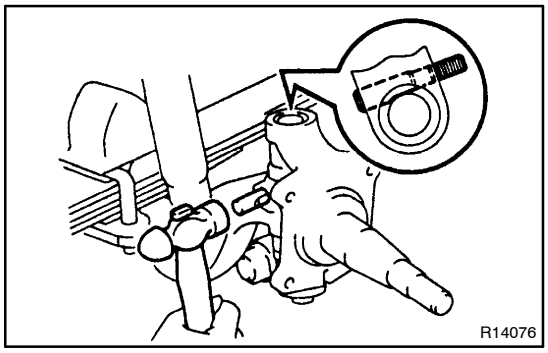
(g) Using a brass bar and hammer, remove the king pin, shim and bearing.

(h) Place the selected shim and bearing.

(i) Position the hole downward and the notched position of the king pin forward to the hole side.

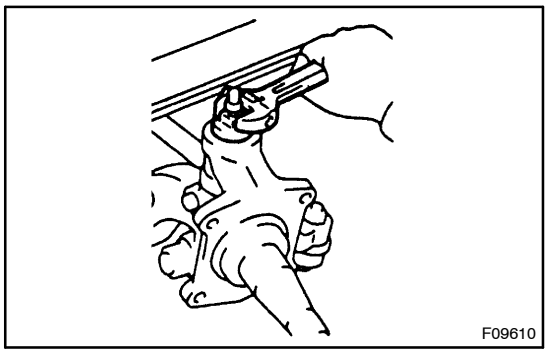

F09556

(j) Using a plastic hammer, tap in the king pin until the stopper pin hole aligns with the notched position.


R14076

(k) Using a hammer, tap in the king pin and stopper, and install the nut.
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

(l) Check that the steering knuckle turns smoothly.


F09610

(m) Install the upper and lower steering knuckle plugs.
Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)

11. INSTALL STEERING KNUCKLE ARM LH

(a) Install the steering knuckle arm with the nut.
Torque: 390 N·m (4,000 kgf·cm, 288 ft·lbf)

(b) Connect the tie rod end, and install the nut and cotter pin.
Torque: 150 N·m (1,550 kgf·cm, 111 ft·lbf)

(c) Connect the drag link, and install the nut and cotter pin.
Torque: 150 N·m (1,550 kgf·cm, 111 ft·lbf)

12. INSTALL DISC BRAKE DUST COVER SUB–ASSY FRONT LH

(a) Install the dust cover with the 4 bolts.

(b) Install the flexible hose bracket with the bolt.

(c) Connect the flexible hose with the bolt and nut.

13. INSTALL FRONT AXLE HUB SUB–ASSY LH (See page 30–40)

14. ADJUST FRONT WHEEL ALIGNMENT (See page 26–2)