300IQ–01

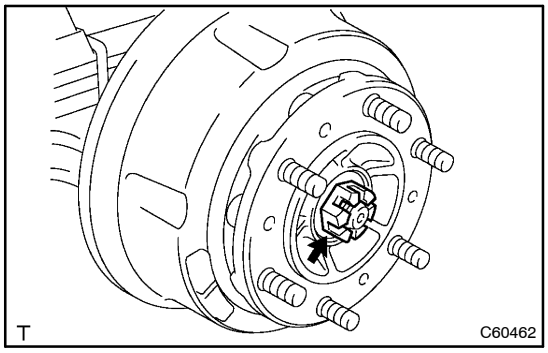
OVERHAUL

HINT:

On the RH side, use in the same procedures as on the LH side.

1. REMOVE FRONT WHEEL

2. REMOVE SKID CONTROL SENSOR (W/ SKID CONTROL)



3. REMOVE FRONT AXLE HUB OUTER LH BEARING

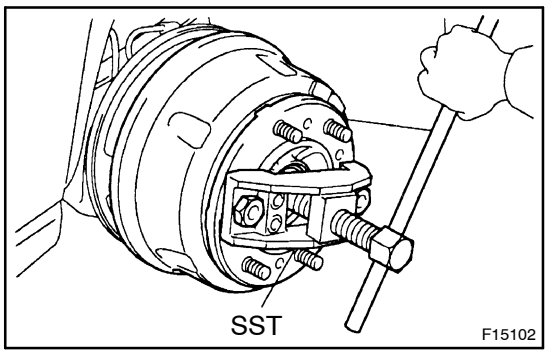
(a) Remove the cotter pin.

(b) Remove the lock cap and nut.

(c) Remove the claw washer and bearing.

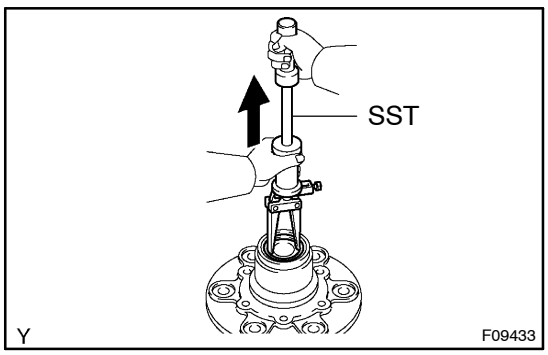
NOTICE:

Be careful not to drop the outer bearing.



4. REMOVE FRONT AXLE HUB SUB–ASSY LH

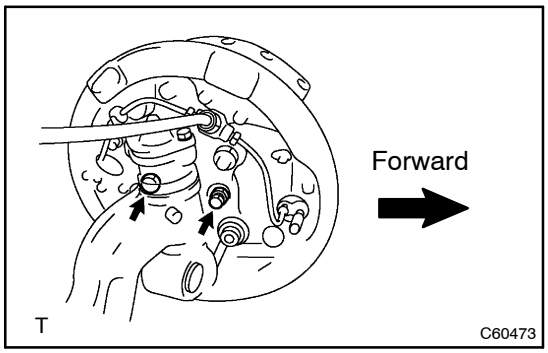
(a) Using SST, drive out the drum and axle hub.
SST 09520–00031



5. REMOVE FRONT AXLE HUB LH OIL SEAL

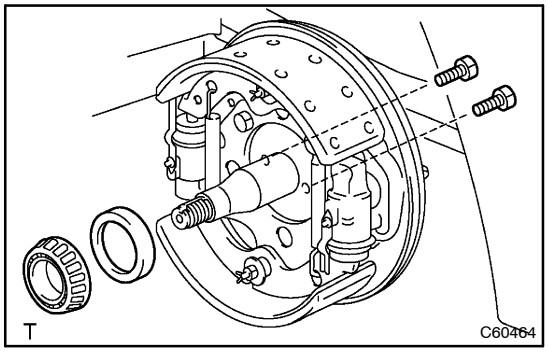
(a) Using SST, the oil seal.
SST 09308–00010

(b) Remove the bearing from the axle hub.



6. REMOVE FRONT AXLE HUB INNER LH BEARING

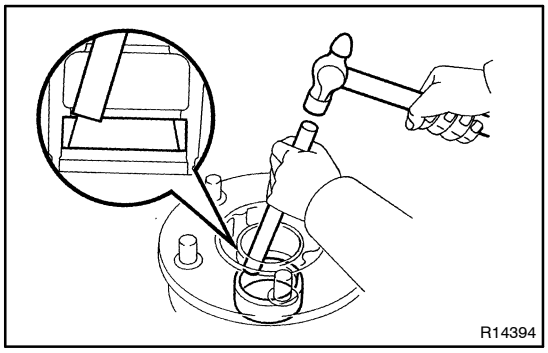
(a) Remove the stopper bolts of the steering knuckle.



(b) Using 2 bolts (M12 x 40 mm length), remove the bearing.

NOTICE:

Tighten these 2 bolts equally.

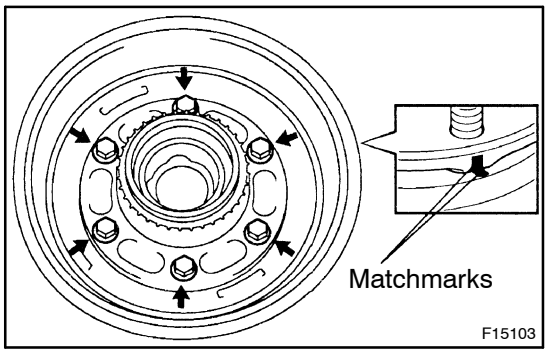


7. REMOVE BEARING OUTER RACE

(a) Using a brass bar and hammer, tap out the inner and outer bearing outer races.

NOTICE:

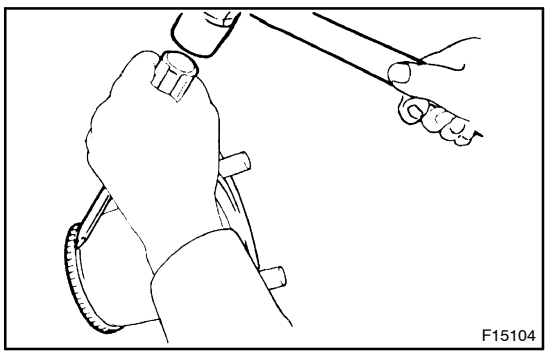
- **Apply the brass bar from the notch part of the axle hub.**
- **Do not damage the front drum.**
- **Remove the bearing outer race only when replacing the bearing.**



8. REMOVE BRAKE DRUM

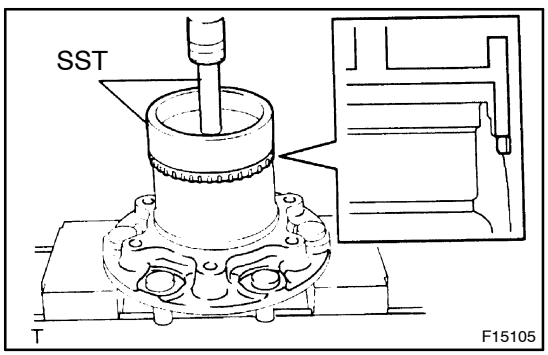
(a) Place matchmarks on the front axle hub and the brake drum.

(b) Remove the 6 bolts, and separate the brake drum and axle hub.



9. REMOVE SKID CONTROL ROTOR FRONT (W/ SKID CONTROL)

(a) Using a screwdriver and hammer, tap out the sensor rotor.



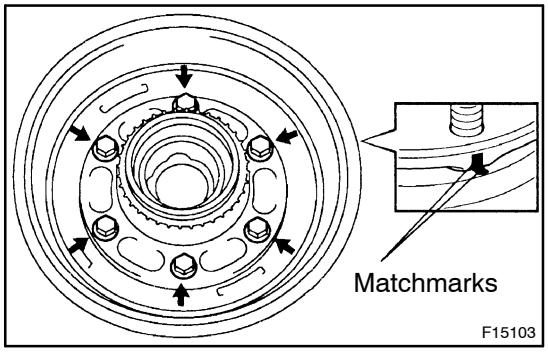
10. INSTALL SKID CONTROL ROTOR FRONT (W/ SKID CONTROL)

(a) Using SST and a press, press in the sensor rotor.

SST 09950–70010 (09951–07150), 09785–36010

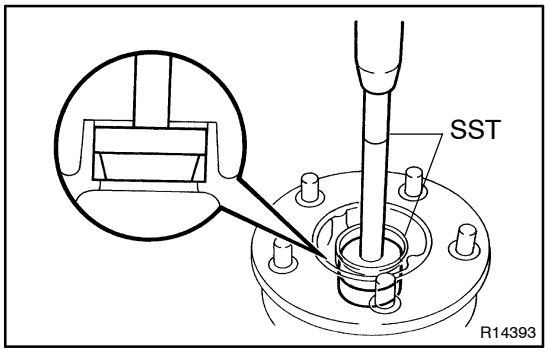
NOTICE:

- **Press the sensor rotor slowly and uniformly.**
- **Be careful not to damage the speed sensor rotor.**



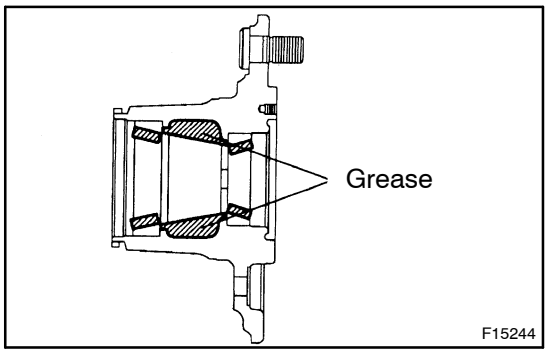
11. INSTALL BRAKE DRUM

(a) Align the matchmarks on the brake drum and the front axle hub, and then install them with the 6 bolts.
Torque: 200 N·m (2040 kgf·cm, 148 ft·lbf)

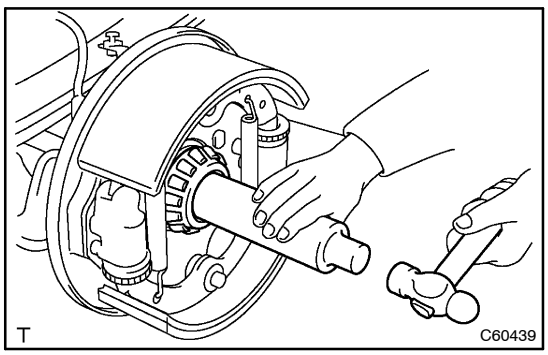


12. INSTALL BEARING OUTER RACE

(a) Using SST and a press, press in new bearing outer races.
SST 09950–60020 (09951–00720, 09951–00900), 09950–70010 (09951–07150)

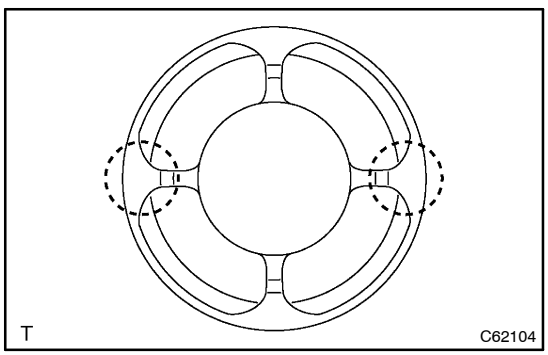


(b) Apply MP grease, as shown in the illustration.

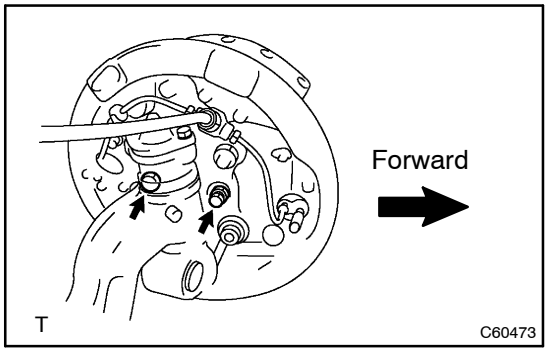


13. INSTALL FRONT AXLE HUB INNER LH BEARING

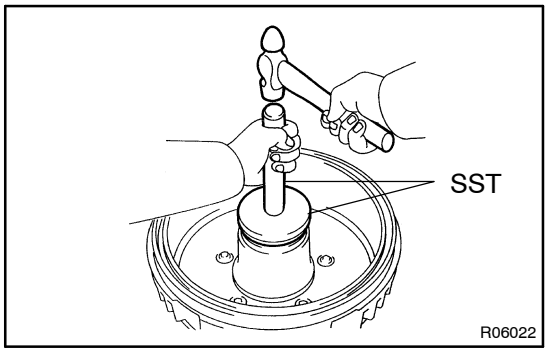
(a) Pack MP grease in the bearing.
(b) Using SST and a hammer, tap in the bearing and oil seal guide at the same time.
SST 09316–60011 (09136–00011)



HINT:
Tap in the oil seal guide so that the parts marked by the dotted lines match the service holes of the brake drum assembly.



(c) Install the knuckle stopper bolts.
Torque: 74 N·m (760 kgf·cm, 55 ft·lbf)



14. INSTALL FRONT AXLE HUB LH OIL SEAL

(a) Using SST and a hammer, tap in a new oil seal to the axle hub.
SST 09950–60020 (09951–01030),09950–70010 (09951–07150)

(b) Coat the lip of the oil seal with MP grease.

15. INSTALL FRONT AXLE HUB SUB–ASSY LH

(a) Clean the spindle part of the steering knuckle.

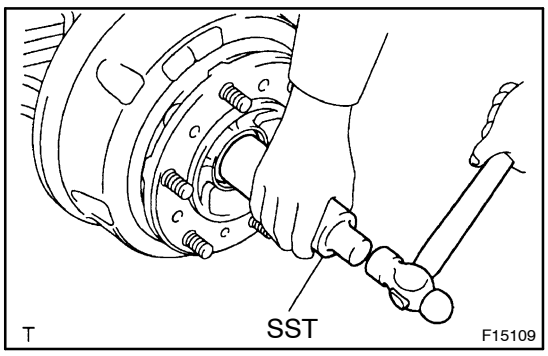
HINT:

Apply MP grease to the spindle part of the steering knuckle.

(b) Install the front axle hub with the drum brake on the steering knuckle.

NOTICE:

Because the front axle hub with brake drum is heavy, it must be supported securely.

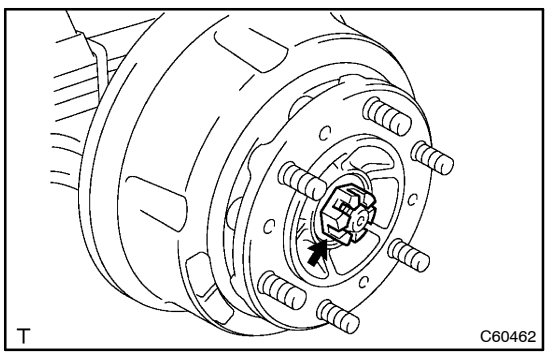


16. INSTALL FRONT AXLE HUB OUTER LH BEARING

(a) Using SST and a hammer, tap in the outer bearing to the knuckle.
SST 09316–60011 (09136–00011)

(b) Install the claw washer.

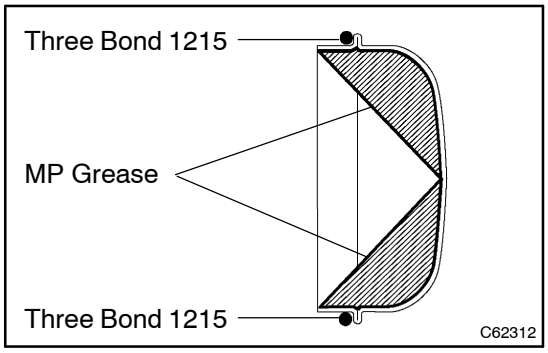
(c) Fill MP grease so that there should be no gap in the space between the outer bearing and claw washer.



(d) Install the lock nut while turning the axle hub.
Torque: 108 N·m (1,100 kgf·cm, 80 ft·lbf)

17. ADJUST PRELOAD (See page 30–2)

18. INSPECT AXLE HUB AXIAL PLAY (See page 30–2)



19. INSTALL FRONT AXLE HUB GREASE CAP LH

(a) Install the lock cap and a new cotter pin.

(b) Fill the grease cap with MP grease, as shown in the illustration.

(c) Apply adhesive to the grease cap, as shown in the illustration.

Adhesive: Three Bond 1215

(d) Using a screwdriver and hammer, install the front hub grease cap.

20. INSTALL SKID CONTROL SENSOR (W/ SKID CONTROL)

21. INSTALL FRONT WHEEL