

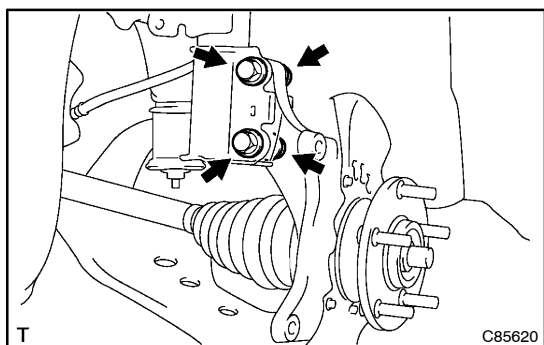
# FRONT AXLE HUB SUB-ASSY LH REPLACEMENT

3005E-01

## HINT:

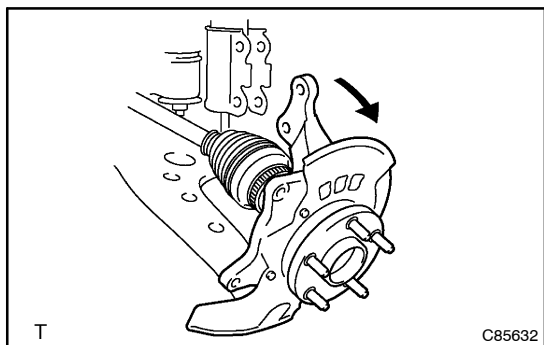
Replace the RH side by the same procedures with LH side.

1. **REMOVE FRONT WHEEL**
2. **REMOVE FRONT AXLE HUB LH NUT**  
(See page 30-7)  
SST 09930-00010
3. **SEPARATE SPEED SENSOR FRONT LH**  
(See page 30-7)
4. **REMOVE TIE ROD END SUB-ASSY LH**  
(See page 30-7)  
SST 09628-62011
5. **SEPARATE FRONT DISC BRAKE CALIPER ASSY LH** (See page 30-7)
6. **REMOVE FRONT DISC**



## 7. REMOVE FRONT AXLE ASSY LH

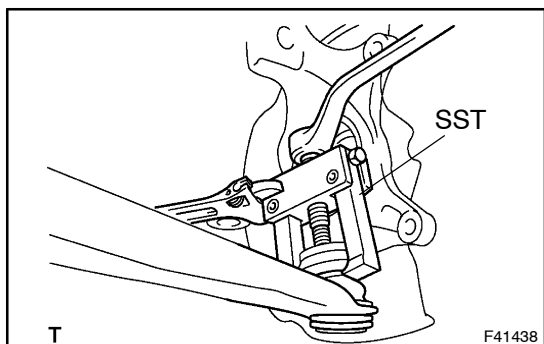
- (a) Remove the 2 bolts, nuts and separate the front axle assy from the shock absorber assy.

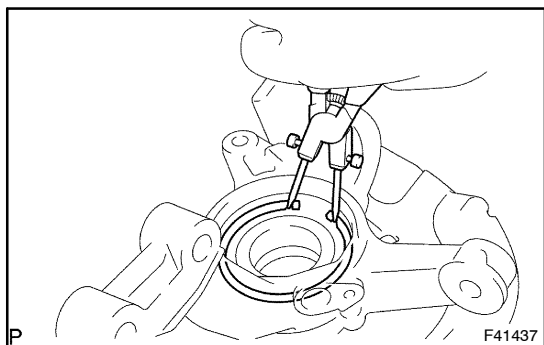


- (b) Push the front axle assy toward the outside of the vehicle, using a plastic hammer separate the drive shaft from the front axle assy.

## NOTICE:

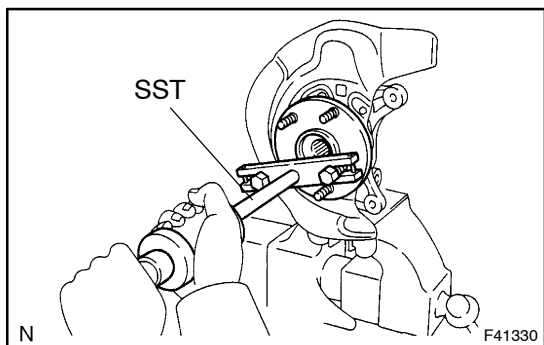
- Do not push out the front axle assy excessively.
  - Be careful not to damage the drive shaft outboard joint boot.
  - Be careful not to damage the speed sensor rotor.
- (c) Support the drive shaft securely.
  - (d) Remove the clip and nut.
  - (e) Using SST, remove the front axle assy from the lower suspension arm.  
SST 09628-62011





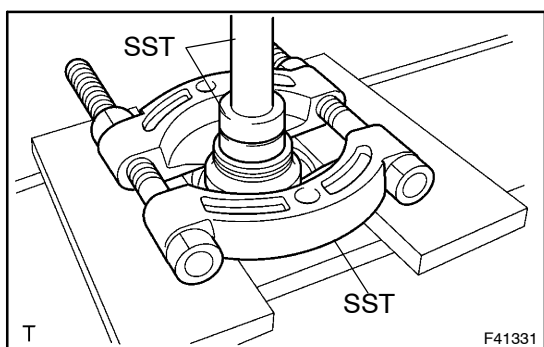
## 8. REMOVE FRONT AXLE HUB LH HOLE SNAP RING

- (a) Using a snap ring plier, remove the snap ring.



## 9. REMOVE FRONT AXLE HUB SUB-ASSY LH

- (a) Using SST, remove the axle hub.  
SST 09520-00031

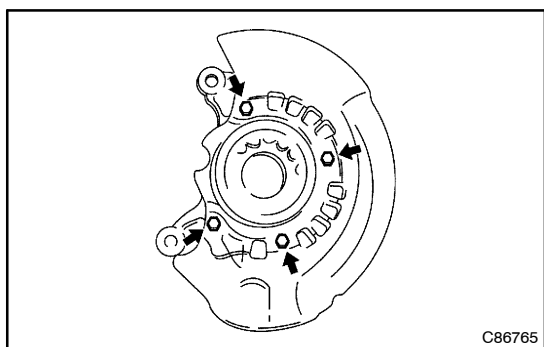


- (b) Using SST and a press, remove the inner race (outside) from the axle hub.

SST 09950-00020, 09950-60010 (09951-00410),  
09950-70010 (09951-07100)

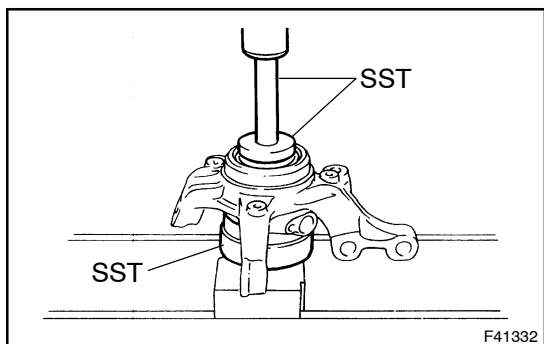
### NOTICE:

**Be careful not to damage the axle hub.**



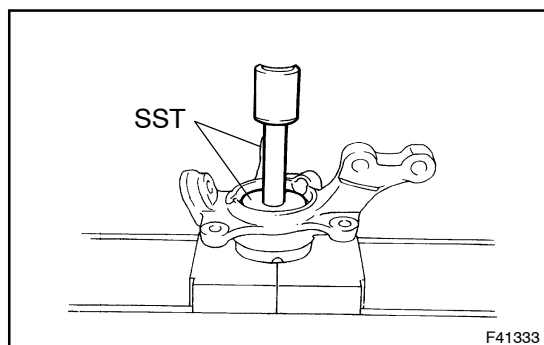
## 10. REMOVE DISC BRAKE DUST COVER FRONT LH

- (a) Remove the 4 bolts and dust cover.



## 11. REMOVE FRONT AXLE HUB LH BEARING

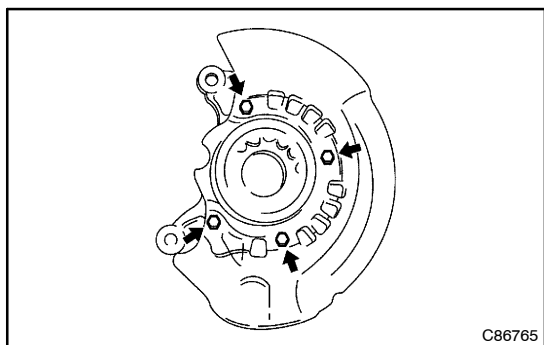
- (a) Place the inner race (outside) on the bearing.  
(b) Using SST and a press, remove the bearing.  
SST 09527-17011, 09950-60010 (09951-00600),  
09950-70010 (09951-07100)



## 12. INSTALL FRONT AXLE HUB LH BEARING

- (a) Using SST and a press, install a new bearing to the steering knuckle.

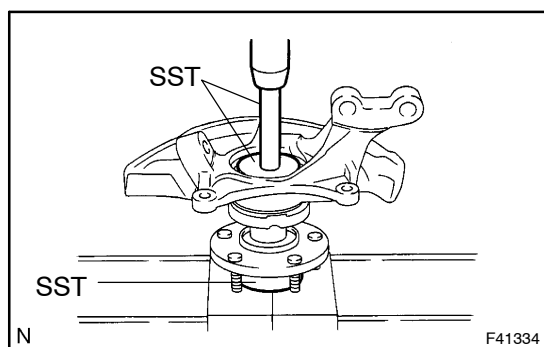
SST 09950-60020 (09951-00680), 09950-70010 (09951-07100)



## 13. INSTALL DISC BRAKE DUST COVER FRONT LH

- (a) Place the dust cover and using a torx wrench (T30), torque the 4 bolts.

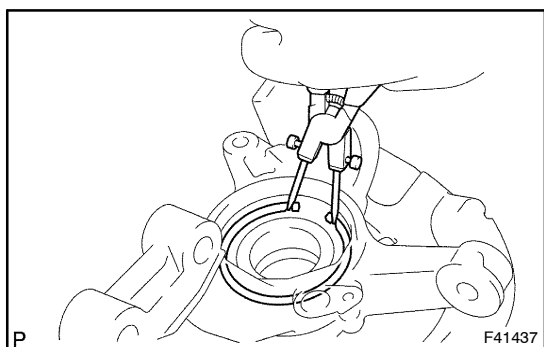
**Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)**



## 14. INSTALL FRONT AXLE HUB SUB-ASSY LH

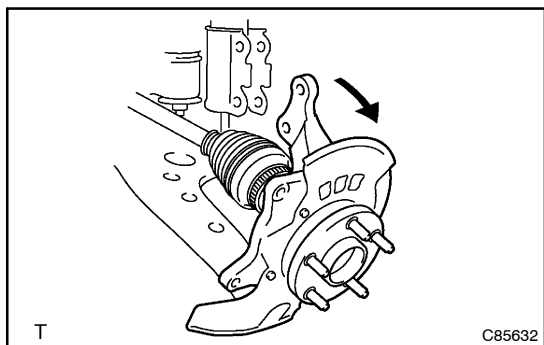
- (a) Using SST and a press, install the axle hub.

SST 09608-32010, 09950-60020 (09951-00680), 09950-70010 (09951-07100)



## 15. INSTALL FRONT AXLE HUB LH HOLE SNAP RING

- (a) Using snap ring plier, install a new snap ring.

**16. INSTALL FRONT AXLE ASSY LH**

- (a) Connect the front axle assy to the lower suspension arm.

**Torque: 123 N·m (1,254 kgf·cm, 90 ft·lbf)**

- (b) Install a new clip.

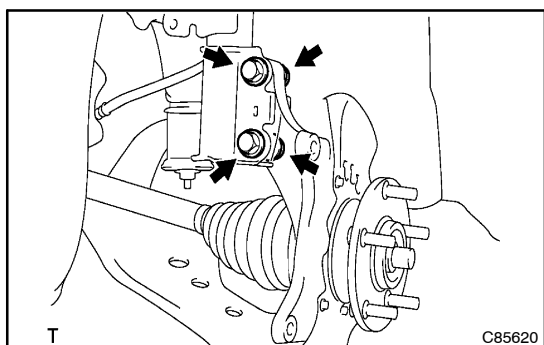
If the holes for the clip are not aligned, tighten the nut further up to 60°.

- (c) Push the front axle assy toward the outside of the vehicle, fit the splined part of the drive shaft assy to that of the front axle assy and insert the drive shaft assy into the front axle assy.

**NOTICE:**

- Do not push out the front axle assy excessively.
  - Be careful not to damage the drive shaft outboard joint boot.
  - Be careful not to damage the speed sensor rotor.
- (d) Install the 2 bolts, nuts and front axle assy to the shock absorber assy.

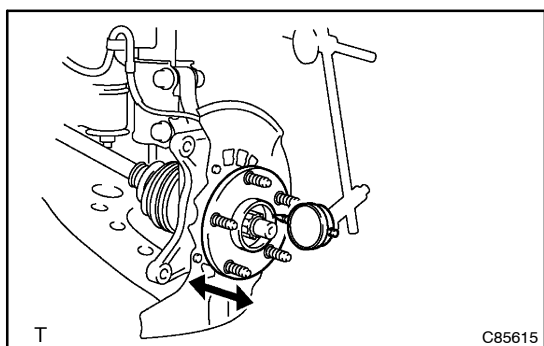
**Torque: 210 N·m (2,143 kgf·cm, 155 ft·lbf)**

**17. INSTALL FRONT DISC****18. INSTALL FRONT DISC BRAKE CALIPER ASSY LH (See page 30-7)****19. INSTALL TIE ROD END SUB-ASSY LH**

(See page 30-7)

**20. INSTALL FRONT AXLE HUB LH NUT**

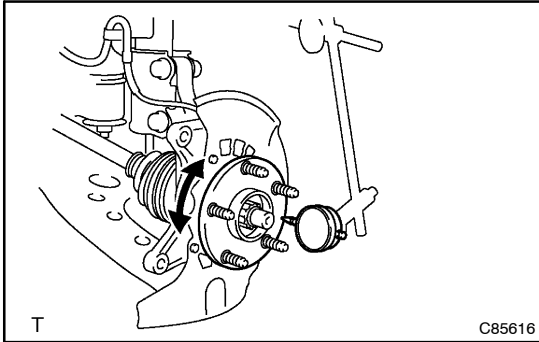
(See page 30-7)

**21. SEPARATE FRONT DISC BRAKE CALIPER ASSY LH (See page 30-7)****22. REMOVE FRONT DISC****23. INSPECT BEARING BACKLASH**

- (a) Using a dial indicator, check the backlash near the center of the axle hub.

**Maximum: 0.05 mm (0.0020 in.)**

If the backlash exceeds the maximum, replace the bearing.

**24. INSPECT AXLE HUB DEVIATION**

- (a) Using a dial indicator, check the deviation at the surface of the axle hub outside the hub bolt.

**Maximum: 0.07 mm (0.0027 in.)**

If the backlash exceeds the maximum, replace the axle hub.

**25. INSTALL FRONT DISC****26. □ INSTALL FRONT DISC BRAKE CALIPER ASSY LH (See page 30-7)****27. INSTALL SPEED SENSOR FRONT LH**

(See page 30-7)

**28. INSTALL FRONT WHEEL**

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

**29. □ ADJUST FRONT WHEEL ALIGNMENT (See page 26-4)****30. □ CHECK ABS SPEED SENSOR SIGNAL (See page 05-295)**