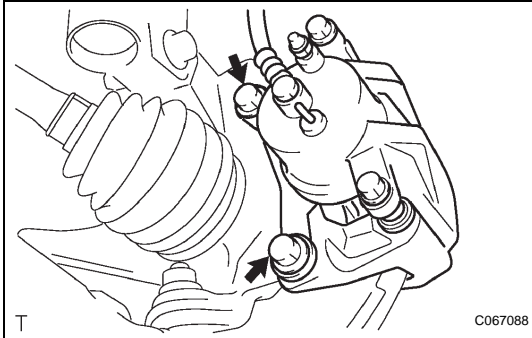


REMOVAL

HINT:

Replace the RH side using the same procedures as for the LH side.

1. REMOVE FRONT WHEEL
2. REMOVE FRONT AXLE HUB LH NUT (See page [DS-5](#))
3. SEPARATE SPEED SENSOR FRONT LH (See page [DS-5](#))



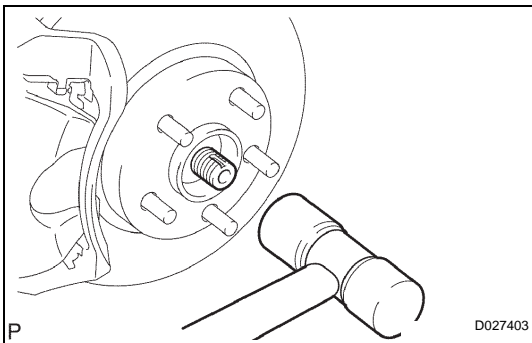
4. SEPARATE FRONT DISC BRAKE CALIPER ASSEMBLY LH

(a) Remove the 2 bolts and separate the front disc brake caliper assembly LH from the steering knuckle LH.

NOTICE:

Use a string or other device to keep the brake caliper from hanging down.

5. REMOVE FRONT DISC
6. SEPARATE TIE ROD END SUB-ASSEMBLY LH (See page [DS-6](#))
7. SEPARATE FRONT SUSPENSION ARM SUB-ASSEMBLY LOWER NO.1 LH (See page [DS-6](#))



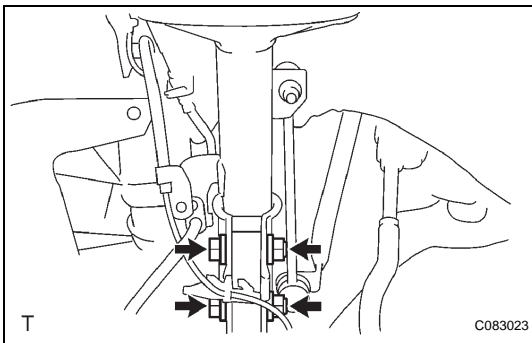
8. REMOVE FRONT AXLE ASSEMBLY LH

(a) Using a plastic hammer, separate the front drive shaft assembly LH from the front axle hub sub-assembly LH.

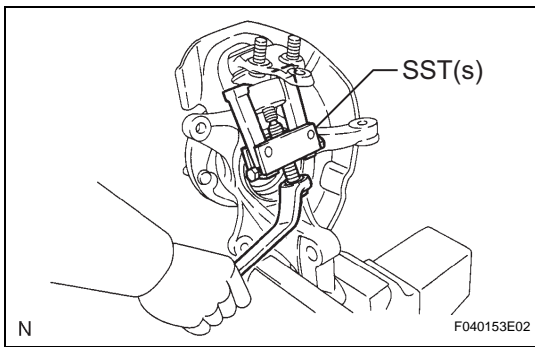
NOTICE:

Be careful not to damage the boot and ABS speed sensor rotor.

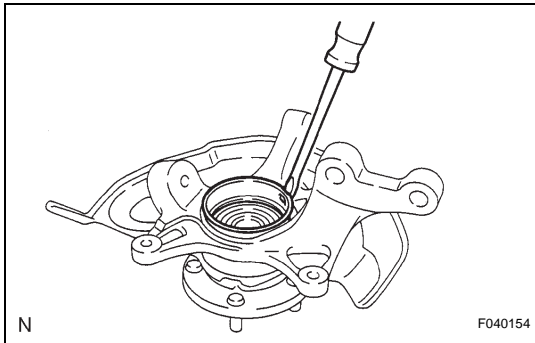
(b) Remove the 2 bolts, nuts and steering knuckle LH with the front axle nub sub-assembly LH.



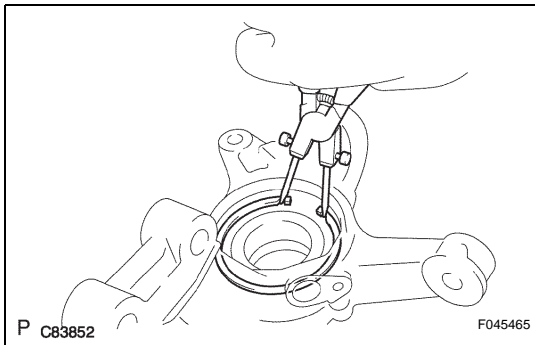
DISASSEMBLY



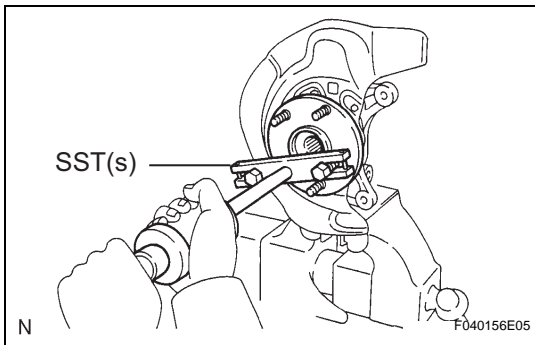
1. **REMOVE LOWER BALL JOINT ASSEMBLY FRONT LH**
 - (a) Remove the cotter pin and nut.
 - (b) Using SST(s), remove the lower ball joint assembly front LH.
SST 09628-62011



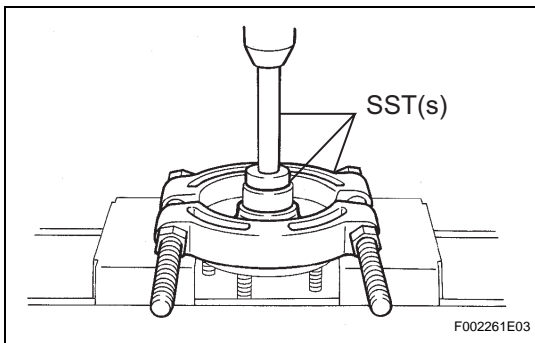
2. **REMOVE FRONT WHEEL BEARING DUST DEFLECTOR NO.1 LH**
 - (a) Using a screwdriver, remove the bearing dust deflector NO. 1 LH.



3. **REMOVE FRONT AXLE HUB LH HOLE SNAP RING**
 - (a) Using snap ring pliers, remove the front axle hub LH hole snap ring.

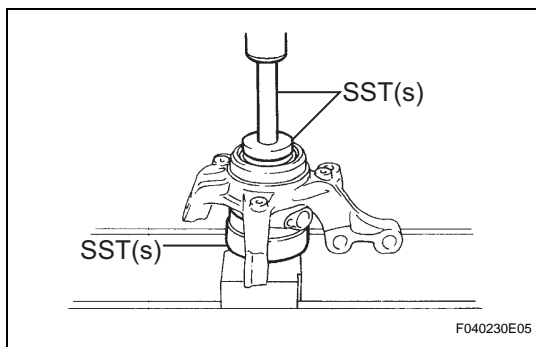


4. **REMOVE FRONT AXLE ASSEMBLY LH**
 - (a) Using SST(s), remove the front axle hub sub-assembly LH.
SST 09520-00031



- (b) Using SST(s) and a press, remove the bearing inner race (outside) from the front axle hub sub-assembly LH.
SST 09950-00020, 09950-60010 (09951-00430), 09950-70010 (09951-07100)

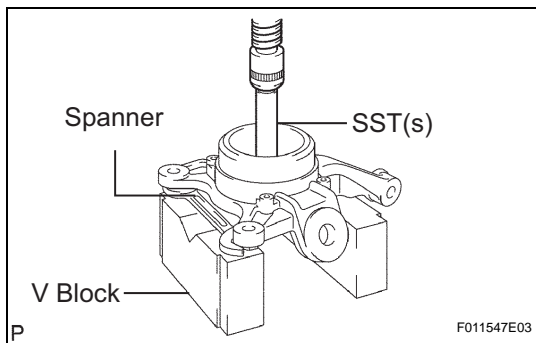
5. **REMOVE DISC BRAKE DUST COVER FRONT LH**
 - (a) Using a torx wrench (T30), remove the 4 bolts and disc brake dust cover front LH.
HINT:
Torx is a registered trademark of Textron Inc.



6. REMOVE FRONT AXLE HUB LH BEARING

- (a) Place the bearing inner race (outside) on the front axle hub LH bearing.
- (b) Using SST(s) and a press, press the front axle hub LH bearing until it contacts the SST(s).

SST 09527-17011, 09950-60010 (09951-00600), 09950-70010 (09951-07100)



- (c) Using a spanner to make the steering knuckle LH horizontal, fix it to the V block, as shown in the illustration.

NOTICE:

Be sure the steering knuckle is horizontally positioned.

- (d) Using SST(s) and a press, remove the front axle hub LH bearing.

SST 09950-60010 (09951-00600), 09950-70010 (09951-07100)

REASSEMBLY

1. INSTALL FRONT AXLE HUB LH BEARING

- (a) Using SST(s) and a press, install a new front axle hub LH bearing to the steering knuckle LH.

SST 09950-60020 (09951-00810), 09950-70010 (09951-07100)

2. INSTALL DISC BRAKE DUST COVER FRONT LH

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

Torque: 8.3 N*m (85 kgf*cm, 74 in.*lbf)

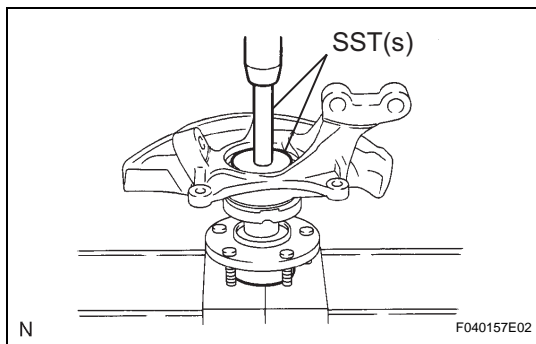
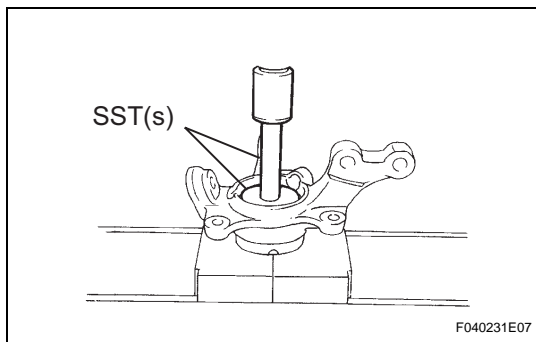
HINT:

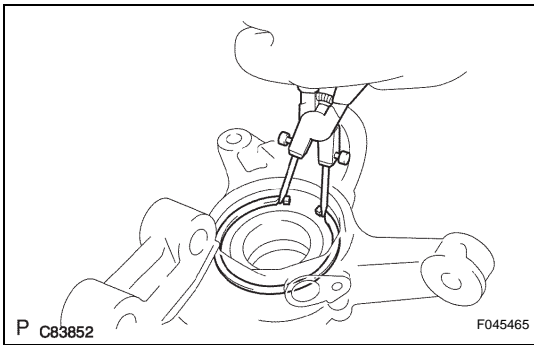
Torx is a registered trademark of Textron Inc.

3. INSTALL FRONT AXLE HUB SUB-ASSEMBLY LH

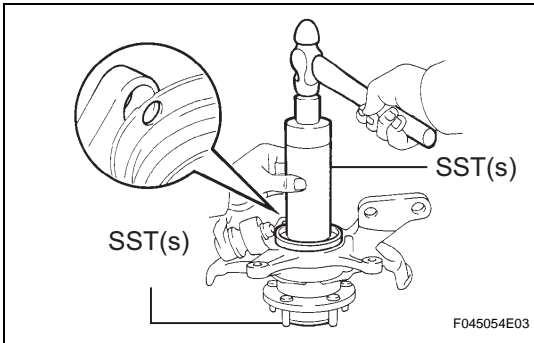
- (a) Using SST(s), and a press, install the front axle hub sub-assembly LH.

SST 09608-32010, 09950-60020 (09951-00810), 09950-70010 (09951-07100)





4. **INSTALL FRONT AXLE HUB LH HOLE SNAP RING**
 - (a) Using snap ring pliers, install a new front axle hub LH hole snap ring.



5. **INSTALL FRONT WHEEL BEARING DUST DEFLECTOR NO.1 LH**
 - (a) Using SST(s) and a hammer, install the bearing dust deflector No. 1 LH.
SST 09316-60011 (09316-00011, 09316-00031), 09608-32010
HINT:
 Align the hole for the speed sensor in the bearing dust deflector No. 1 LH with the steering knuckle.

6. **INSTALL LOWER BALL JOINT ASSEMBLY FRONT LH**

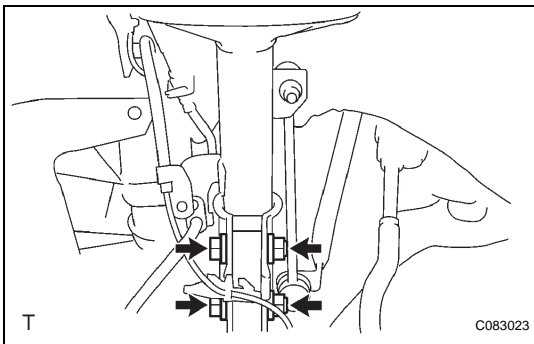
- (a) Install the lower ball joint assembly front LH and tighten the nut.

Torque: 123 N*m (1,250 kgf*cm, 91 ft.*lbf)

- (b) Install a new cotter pin.

NOTICE:

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



INSTALLATION

1. **INSTALL FRONT AXLE ASSEMBLY LH**

- (a) Install the 2 bolts, nuts and front axle assembly LH with the 2 bolts and nuts to the shock absorber assembly front LH.

Torque: 230 N*m (2,350 kgf*cm, 170 ft.*lbf)

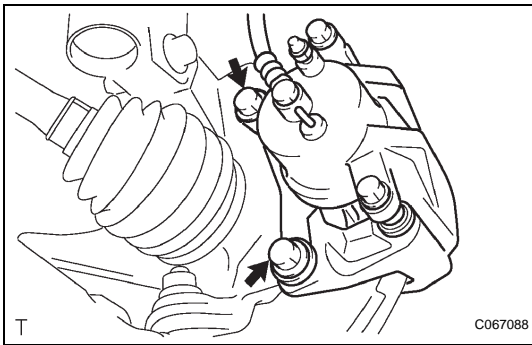
NOTICE:

- Only when reusing the bolts and nuts, apply the small amount of engine oil to the screw part of the nuts.
- Do not excessively push out the front axle assembly LH.
- Be careful not to damage the outboard joint boot.
- Be careful not to damage the speed sensor rotor.

2. **INSTALL FRONT SUSPENSION ARM SUB-ASSEMBLY LOWER NO.1 LH (See page DS-16)**

3. **INSTALL TIE ROD END SUB-ASSEMBLY LH (See page DS-16)**

4. **INSTALL FRONT DISC**



5. INSTALL FRONT DISC BRAKE CALIPER ASSEMBLY LH

- (a) Install the front disc brake caliper assembly LH with the 2 bolts to the steering knuckle LH.
Torque: 104 N*m (1,060 kgf*cm, 77 ft.*lbf)

6. INSTALL FRONT AXLE HUB LH NUT

- (a) Using a socket wrench (30mm), install a new axle hub LH nut.
Torque: 294 N*m (3,000 kgf*cm, 217 ft.*lbf)

7. SEPARATE FRONT DISC BRAKE CALIPER ASSEMBLY LH

- (a) Remove the 2 bolts and separate the front disc brake caliper assembly LH from the steering knuckle LH.

NOTICE:

Use a string or other device to keep the brake caliper from hanging down.

8. REMOVE FRONT DISC

9. INSPECT BEARING BACKLASH (See page [AH-5](#))

10. INSPECT AXLE HUB DEVIATION (See page [AH-5](#))

11. INSTALL FRONT DISC

12. INSTALL FRONT DISC BRAKE CALIPER ASSEMBLY LH

- (a) Install the front disc brake caliper assembly LH with the 2 bolts to the steering knuckle LH.
Torque: 104 N*m (1,060 kgf*cm, 77 ft.*lbf)

13. INSTALL SPEED SENSOR FRONT LH (See page [DS-17](#))

14. INSTALL FRONT AXLE HUB LH NUT

- (a) Using a socket wrench (30 mm), install a new axle hub LH nut.
Torque: 294 N*m (3,000 kgf*cm, 217 ft.*lbf)
 (b) Using a chisel and hammer, stake the axle hub LH nut.

15. INSPECT FRONT WHEEL ALIGNMENT

- (a) Inspect front wheel alignment (See page [SP-2](#)).

16. CHECK ABS SPEED SENSOR SIGNAL

- (a) Check ABS speed sensor signal (See page [BC-7](#)).

17. INSTALL FRONT WHEEL

- Torque: 103 N*m (1,050 kgf*cm, 76 ft.*lbf)**

