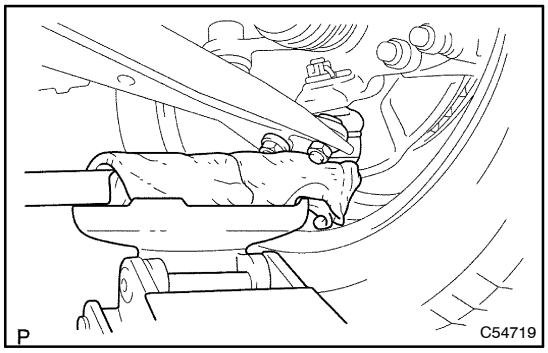
LOWER BALL JOINT ASSY FRONT LH

260HL-01

REPLACEMENT

HINT:

- COMPONENTS: See page 26–2
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.



1. INSPECT LOWER BALL JOINT ASSY FRONT LH

(a) Jack up the front part of the vehicle.

(b) Move the front suspension arm sub–assy lower No.1 up and down to check vertical looseness of the lower ball joint assy front.

HINT:

Wrap a cloth around the wooden block to prevent damage to the bolt and nuts.

2. REMOVE FRONT WHEEL

3. REMOVE FRONT AXLE HUB LH NUT (SEE PAGE 30–7)

SST 09930–00010

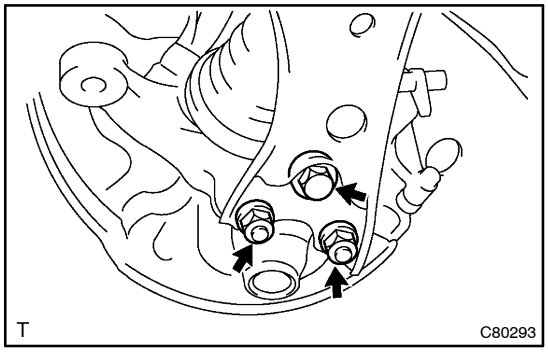
4. SEPARATE SPEED SENSOR FRONT LH (SEE PAGE 30–7)

5. SEPARATE FRONT DISC BRAKE CALIPER ASSY LH (SEE PAGE 30–21)

6. REMOVE FRONT DISC (SEE PAGE 30–21)

7. SEPARATE TIE ROD END SUB–ASSY LH (SEE PAGE 30–7)

SST 09628–62011



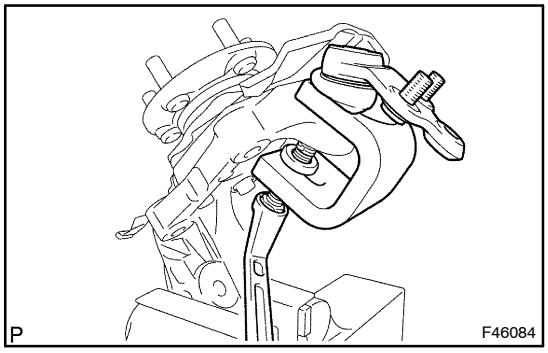
8. SEPARATE FRONT SUSPENSION ARM SUB–ASSY LOWER NO.1 LH

(a) Remove the bolt and the 2 nuts.

(b) Lower the front suspension arm sub–assy lower No.1 LH and separate it from the front lower ball joint assy.

9. REMOVE FRONT AXLE ASSY LH (SEE PAGE 30–21)

10. REMOVE FRONT WHEEL BEARING DUST DEFLECTOR NO.1 LH (SEE PAGE 30–21)



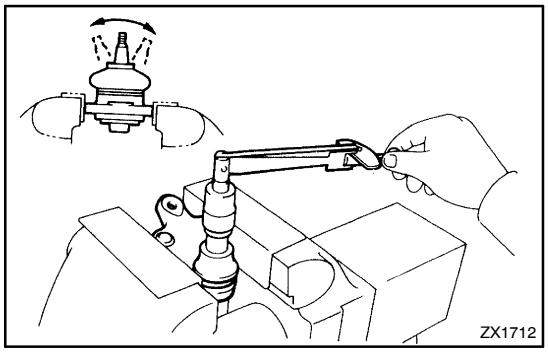
11. REMOVE LOWER BALL JOINT ASSY FRONT LH

(a) Remove the clip and the castle nuts.

(b) Using SST, remove the lower ball joint assy front.
SST 09611–36020

NOTICE:

- **Do not damage the steering knuckle.**
- **Securely hang the SST to the spacer of the steering knuckle.**
- **Replace the steering knuckle with a new one if the spacer comes off the steering knuckle.**



12. INSPECT LOWER BALL JOINT ASSY FRONT LH

(a) Flip the ball joint stud back and forth 5 times as shown in the illustration before installing the nut.

(b) Use a torque wrench to turn the nut continuously at a rate of 3 to 5 seconds per turn. Take the torque reading on the 5th turn.
Turning torque:
0.98 to 4.90 N·m (10 to 50 kgf·cm, 8.7 to 43 in.·lbf)

(c) Check the dust boots for cracks or grease leakage.

If the value is not within the specified range, replace the lower ball joint assy with a new one.

13. INSTALL LOWER BALL JOINT ASSY FRONT LH

(a) Install the lower ball joint assy front LH to the steering knuckle with the castle nut.

NOTICE:

Ensure that the thread and taper are free of oil etc.

Torque: 71 N·m (724 kgf·cm, 52 ft·lbf)

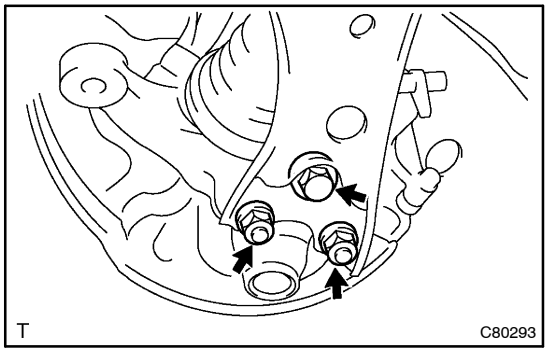
NOTICE:

Further tighten the nut up to 60° if the holes for the cotter pin are not aligned.

(b) Install a new clip to the steering knuckle.

14. INSTALL FRONT WHEEL BEARING DUST DEFLECTOR NO.1 LH (SEE PAGE 30–21)
SST 09950–70010 (09951–07150), 09608–32010

15. INSTALL FRONT AXLE ASSY LH (SEE PAGE 30–21)



16. INSTALL FRONT SUSPENSION ARM SUB–ASSY LOWER NO.1 LH

(a) Lower the front suspension arm sub–assy lower No.1 LH and install the lower ball joint assy front to the front suspension arm sub–assy lower No.1 LH with the bolt and the 2 nuts.
Torque: 89 N·m (908 kgf·cm, 66 ft·lbf)

17. INSTALL TIE ROD END SUB–ASSY LH (SEE PAGE 30–7)

18. INSTALL FRONT DISC

19. INSTALL FRONT DISC BRAKE CALIPER ASSY LH (SEE PAGE 30–21)

20. INSTALL SPEED SENSOR FRONT LH (SEE PAGE 30–7)

21. INSTALL FRONT AXLE HUB LH NUT (SEE PAGE 30–7)

22. INSTALL FRONT WHEEL
Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)
23. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT (SEE PAGE 26–5)
24. CHECK ABS SPEED SENSOR SIGNAL (SEE PAGE 05–724)