300FV–01

REPLACEMENT

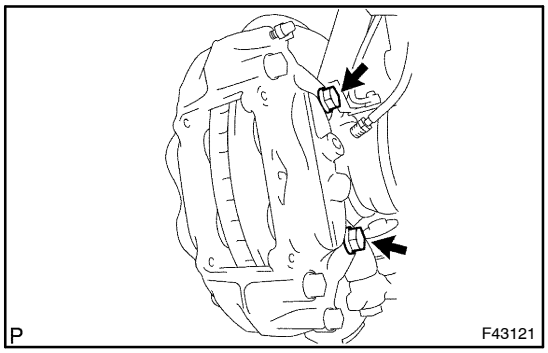
1. REMOVE FRONT WHEEL



2. REMOVE FRONT DISC BRAKE CALIPER ASSY LH

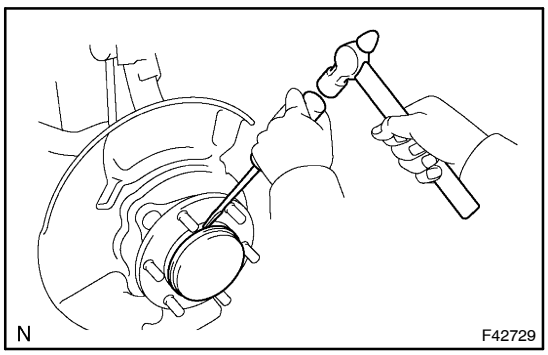
(a) Remove the bolt and separate the brake tube bracket from the steering knuckle.

(b) Using SST, disconnect the brake tube from the front disc brake caliper assy LH.
SST 09023–00100



(c) Remove the 2 bolts and front disc brake caliper assy LH.

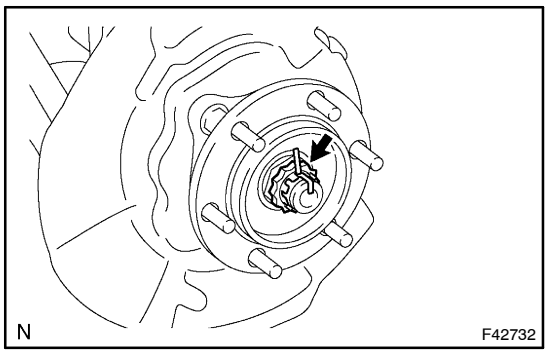
3. REMOVE FRONT DISC



4. REMOVE FRONT AXLE HUB GREASE CAP LH

(a) Using a screwdriver and a hammer, remove the front axle hub grease cap LH.

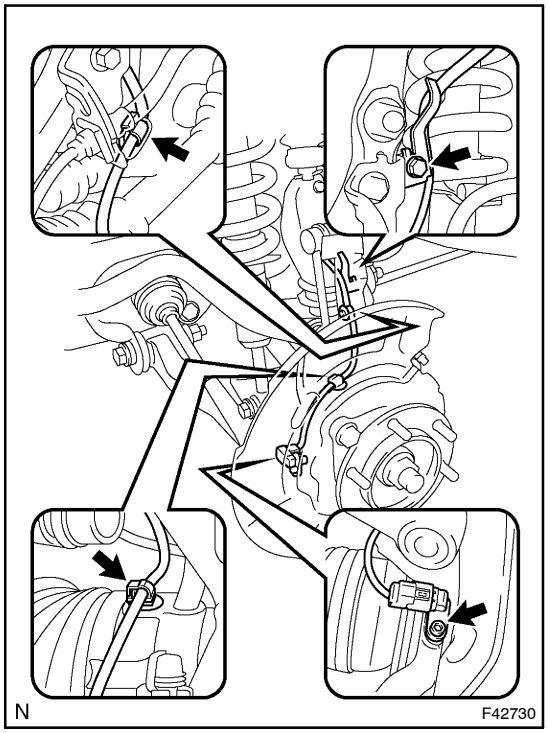
NOTICE:
Do not damage the axle hub.



5. REMOVE FRONT AXLE HUB LH NUT

(a) Remove the cotter pin and a lock cap.

(b) Remove the front axle hub LH nut.

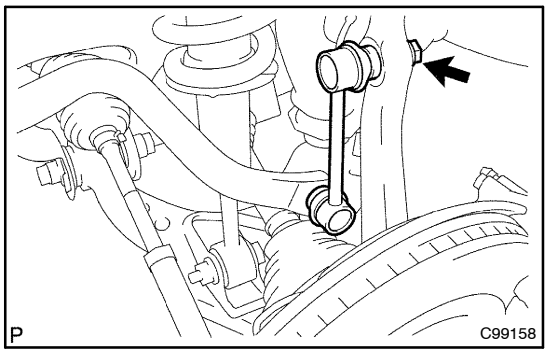


6. SEPARATE SPEED SENSOR FRONT LH (W/ ABS)

(a) Using a hexagon wrench, separate the speed sensor front LH.

(b) Disconnect the 2 clamp.

(c) Remove the bolt and separate the speed sensor wire harness from the steering knuckle.

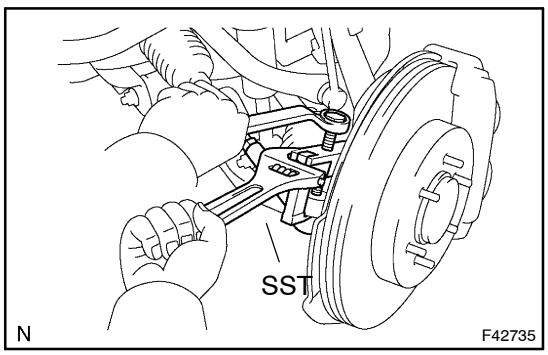


7. SEPARATE FRONT STABILIZER LINK ASSY LH

(a) Remove the nut and separate the stabilizer link assy LH from the steering knuckle.

HINT:

If the ball joint turns together with the nut, use a hexagon (6 mm) wrench to hold the stud.

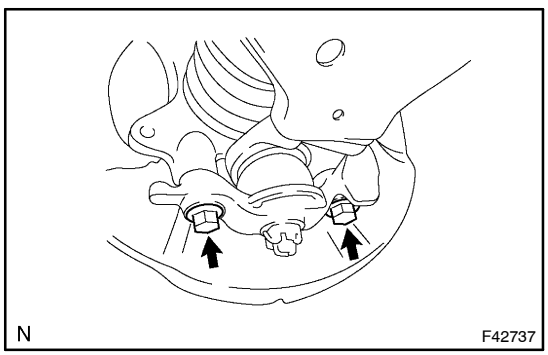


8. SEPARATE TIE ROD END SUB–ASSY LH

(a) Remove the cotter pin and nut.

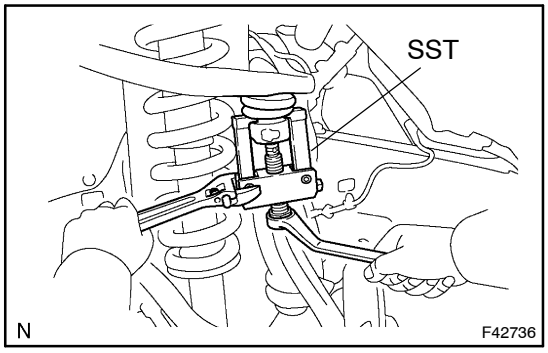
(b) Using SST, separate the tie rod end sub–assy LH from the steering knuckle.

SST 09628–62011



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

(a) Remove the 2 bolts and separate the front suspention arm sub–assy lower No.1 LH from the steering knuckle.



10. SEPARATE FRONT SUSPENSION UPPER ARM ASSY LH

(a) Remove the cotter pin and nut.

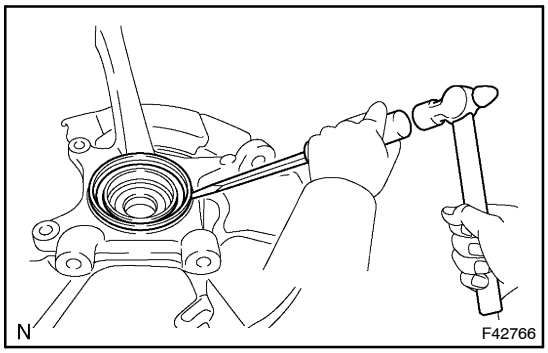
(b) Using SST, separate the steering knuckle from the front suspention upper arm assy LH.

SST 09628–62011

11. REMOVE FRONT AXLE HUB SUB–ASSY LH

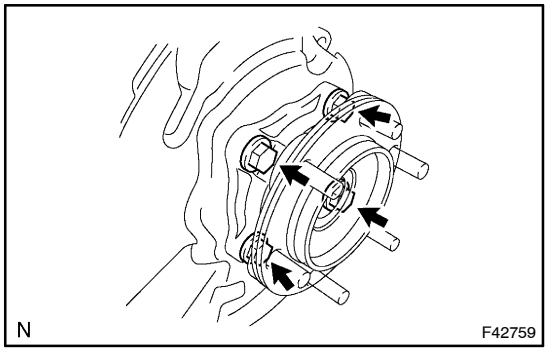
(a) Using a plastic hammer, sepalate the front axle hub from the front drive shaft.

(b) Remove the front axle hub sub–assy LH.



12. REMOVE STEERING KNUCKLE LH OIL SEAL

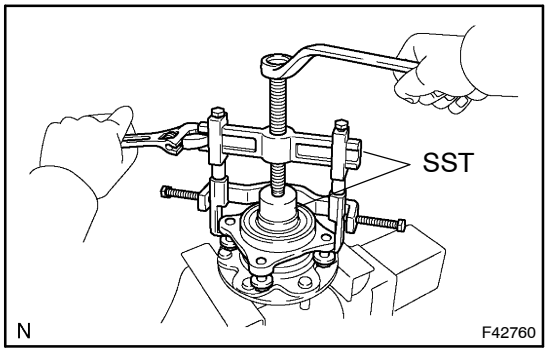
(a) Using a screwdriver and hammer, remove the steering knuckle LH oil seal.



13. REMOVE FRONT AXLE HUB SUB–ASSY LH

(a) Remove the 4 boltsand axle hub from the steering knuckle.

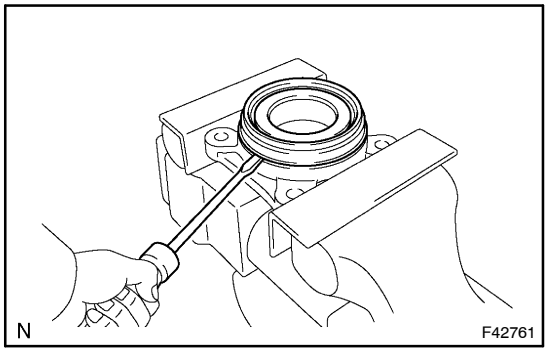
(b) Remove the O–ring from the axle hub.



(c) Fix the front axle hub soft in vise.

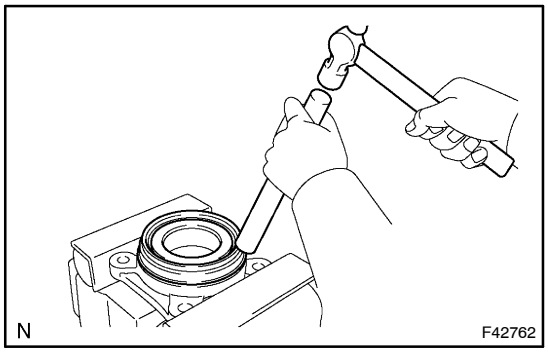
(d) Using SST, remove the bearing.

SST 09710–30021 (09710–03051), 09950–40011 (09951–04020, 09952–04010, 09953–04020, 09954–04010, 09955–04061, 09957–04010, 09958–04011)



14. REMOVE FRONT AXLE HUB LH OIL SEAL

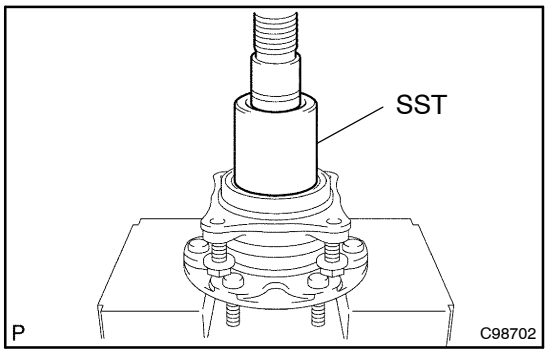
(a) Using a screwdriver, remove the front axle hub LH oil seal.
SST 09308–00010



15. INSTALL FRONT AXLE HUB LH OIL SEAL

(a) Using a brass bar and a hammer, install the new front axle hub LH oil seal.

NOTICE:
Do do not damage the spacer.

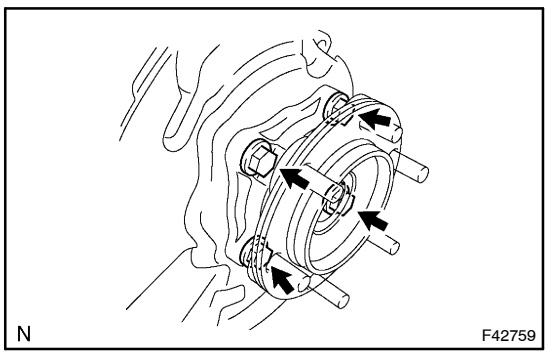


16. INSTALL FRONT AXLE HUB SUB–ASSY LH

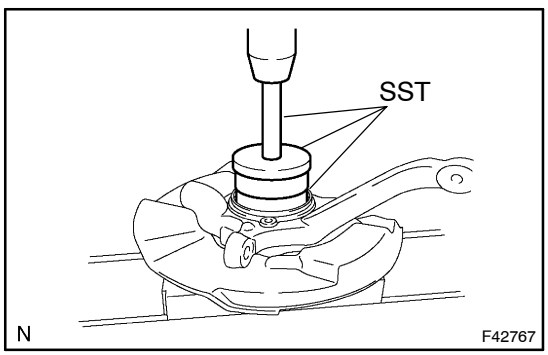
(a) Using SST and a press, install the new bearing to the front axle hub.
SST 09649–17010

(b) Apply the MP grease to a new O–ring.

(c) Install the new O–ring to the axle hub.



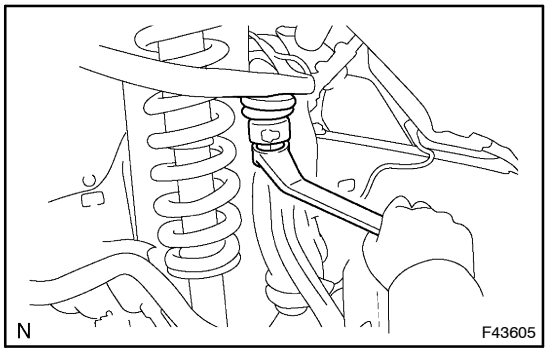
(d) Install the dust cover, axle hub to the steering knuckle with the 4 bolts.
Torque: 80 N·m (816 kgf·cm, 59 ft·lbf)



17. INSTALL STEERING KNUCKLE LH OIL SEAL

(a) Using SST and a press, install a new steering knuckle LH oil seal.
SST 09527–17011, 09950–70010 (09951–07100), 09951–01000

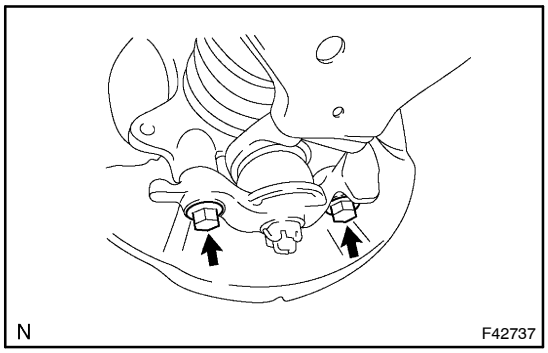
18. INSTALL FRONT AXLE HUB SUB–ASSY LH



19. INSTALL FRONT SUSPENSION UPPER ARM ASSY LH

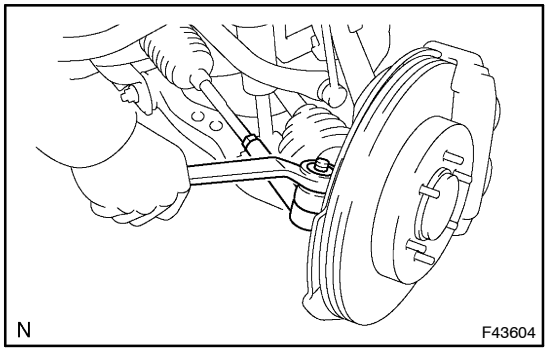
(a) Install the front suspention upper arm assy LH with a nut.
Torque: 110 N·m (1,122 kgf·cm, 81 ft·lbf)

(b) Install a new cotter pin.



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

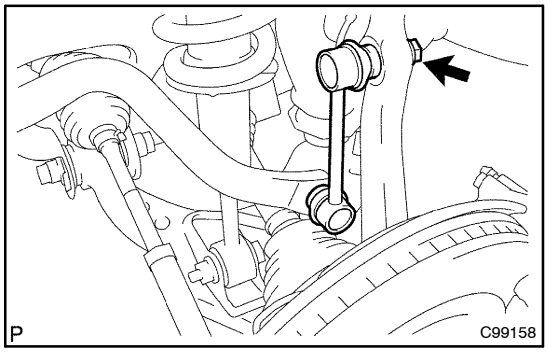
(a) Install the front suspention arm sub–assy lower No.1 LH with the 2 bolts.
Torque: 225 N·m (2,294 kgf·cm, 166 ft·lbf)



21. INSTALL TIE ROD END SUB–ASSY LH

(a) Install the tie rod end sub–assy LH with a nut.
Torque: 91 N·m (928 kgf·cm, 67 ft·lbf)

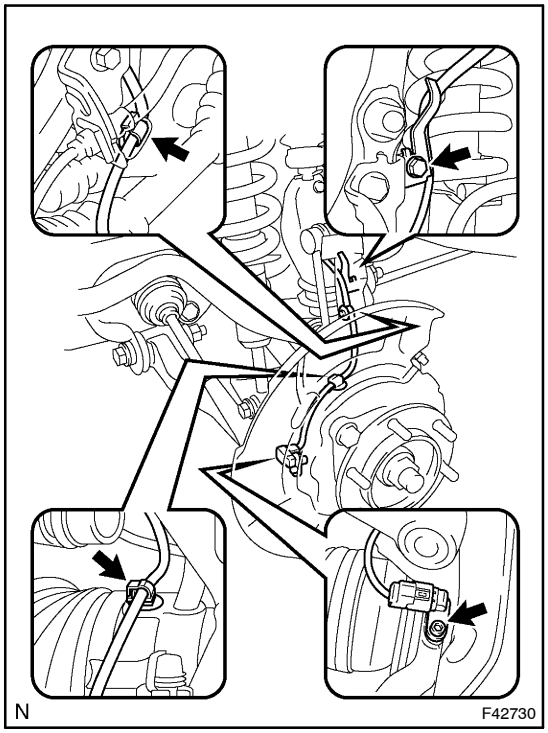
(b) Install a new cotter pin.



22. INSTALL FRONT STABILIZER LINK ASSY LH

(a) Install the stabilizer link with a nut to the steering knuckle.
Torque: 70 N·m (714 kgf·cm, 52 ft·lbf)

HINT:
If the ball joint turns together with the nut, use a hexagon (6 mm) wrench to hold the stud.

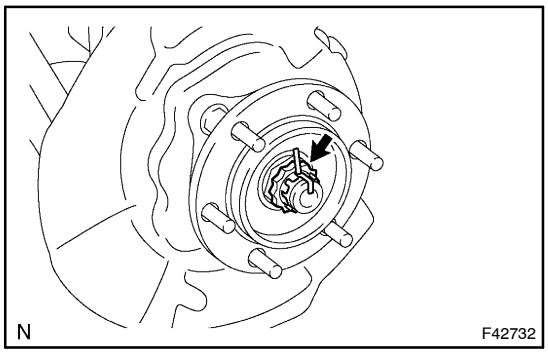


23. INSTALL SPEED SENSOR FRONT LH (W/ ABS)

(a) Install the speed sensor wire harness to the steering knuckle with a bolt.
Torque: 13 N·m (133 kgf·cm, 10 ft·lbf)

(b) Connect the 2 clips.

(c) Using a hexagon wrench, install the speed sensor with the bolt.
Torque: 8.3 N·m (85 kgf·cm, 73 in·lbf)



24. INSTALL FRONT AXLE HUB LH NUT

(a) Install the hub nut.
Torque: 235 N·m (2,396 kgf·cm, 173 ft·lbf)

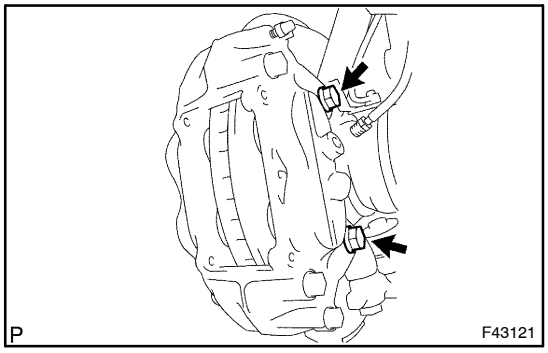
(b) Install the adjusting cap and cotter pin.

25. INSPECT BEARING BACKLASH (See page 30–2)

26. INSPECT AXLE HUB DEVIATION (See page 30–2)

27. INSTALL FRONT AXLE HUB GREASE CAP LH

28. INSTALL FRONT DISC



29. INSTALL FRONT DISC BRAKE CALIPER ASSY LH

(a) Install the front disc brake caliper assy LH with the 2 bolts.
Torque: 123 N·m (1,254 kgf·cm, 91 ft·lbf)



(b) Install the brake tube bracket to the steering knuckle with a bolt.
Torque: 29 N·m (296 kgf·cm, 21 ft·lbf)

(c) Using SST, connect the brake tube to the disc brake caliper assy.
SST 09023–00100
Torque: 15 N·m (155 kgf·cm, 11 ft·lbf)

30. BLEED BRAKE LINE (See page 32–4 or 32–6)
31. CHECK FLUID LEVEL IN RESERVOIR (See page 32–4 or 32–6)
32. CHECK BRAKE FLUID LEAKAGE (See page 32–4 or 32–6)
33. INSTALL FRONT WHEEL
Torque: 112 N·m (1,142 kgf·cm, 83 ft·lbf)
34. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT (See page 26–6)
35. CHECK ABS SPEED SENSOR SIGNAL (W/ ABS) (See page 05–730 or 05–671)