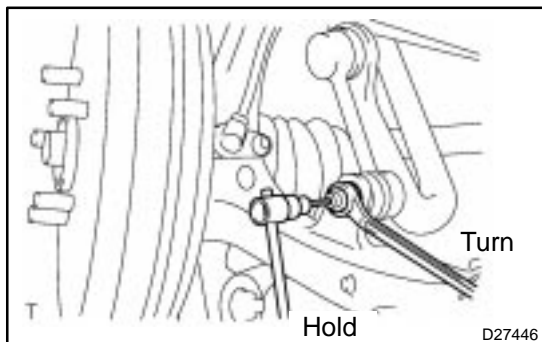


## REPLACEMENT

### 1. REMOVE REAR WHEEL

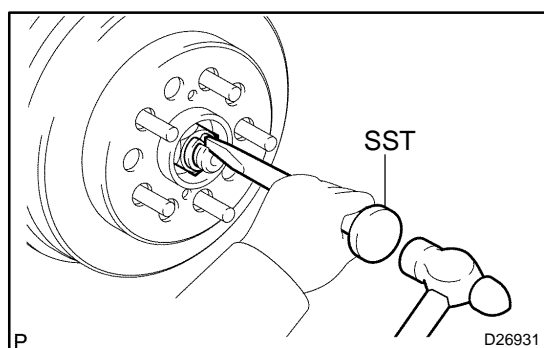


### 2. SEPARATE REAR STABILIZER LINK ASSY LH

- (a) Remove the nut, separate the rear stabilizer link assy LH.

HINT:

If the ball joint turns together with the nut, use a hexagon wrench (5 mm) to hold the stud.



### 3. REMOVE REAR AXLE SHAFT LH NUT

- (a) Using SST and a hammer, unstack the staked part of the rear axle shaft LH nut.

SST 09930-00010

- (b) Using a socket wrench (30 mm), remove the rear axle shaft LH nut.

**NOTICE:**

Loosen the staked part of the nut completely, otherwise the screw of the drive shaft may be damaged.

### 4. REMOVE REAR BRAKE DRUM SUB-ASSY

### 5. SEPARATE SPEED SENSOR REAR LH

- (a) Remove the bolt, separate the speed sensor rear LH.

### 6. REMOVE PARKING BRAKE SHOE STRUT SET LH (See page 32-41)

SST 09703-30010

### 7. REMOVE FRONT BRAKE SHOE (See page 32-41)

SST 09718-00010

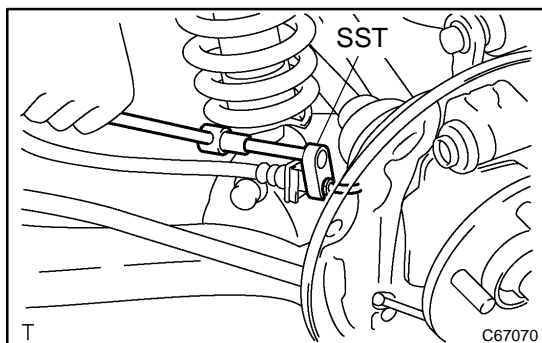
### 8. REMOVE REAR BRAKE AUTOMATIC ADJUST LEVER LH (See page 32-41)

SST 09718-00010

### 9. REMOVE REAR BRAKE SHOE (See page 32-41)

SST 09718-00010

### 10. SEPARATE PARKING BRAKE CABLE ASSY NO.3 (See page 32-41)



### 11. SEPARATE REAR BRAKE TUBE NO.4

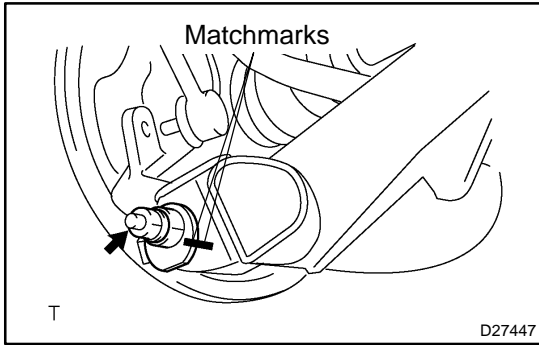
- (a) Using SST, separate the rear brake tube No.4.

SST 09023-00100

HINT:

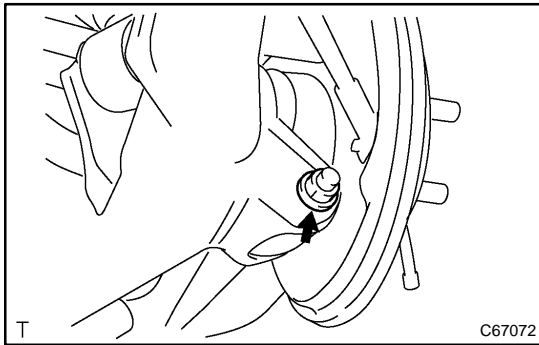
Use a container to catch the brake fluid.

- (b) Remove the clip, separate the flexible hose.

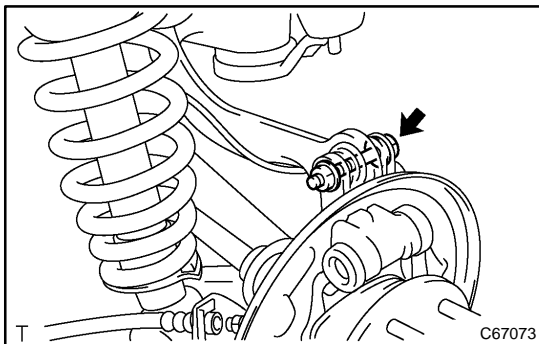


**12. SEPARATE REAR SUSPENSION ARM ASSY NO.1 LH**

- (a) Place matchmarks on the camber adjust cam.
- (b) Remove the nut, bolt and camber adjust cam.



- (c) Remove the nut and bolt, separate the rear suspension arm assy No.1 LH.



**13. SEPARATE UPPER CONTROL ARM ASSY**

- (a) Remove the nut and bolt, separate the upper control arm assy.

HINT:

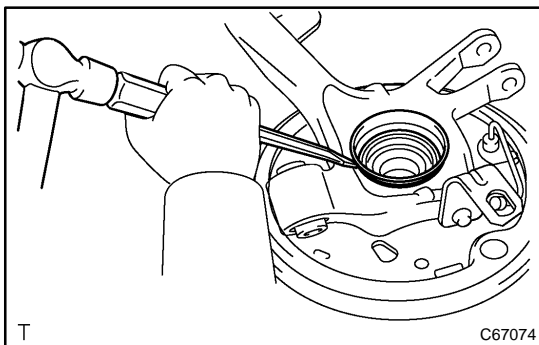
Keep the nut fixed while loosening and removing the bolt.

**14. REMOVE REAR AXLE ASSY LH**

- (a) Using a plastic hammer, separate the axle assy RR LH from the drive shaft, then remove it.

**NOTICE:**

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

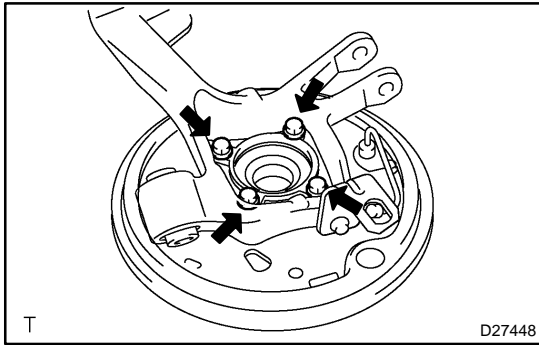


**15. REMOVE REAR WHEEL BEARING DUST DEFLECTOR NO.1 LH**

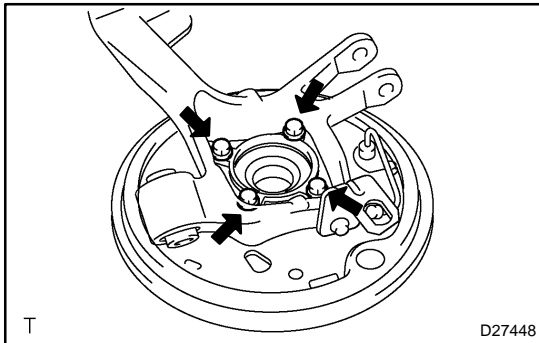
- (a) Using a screw driver and a hammer, remove the dust deflector No.1 LH.

**NOTICE:**

Be careful not to damage the axle carrier.

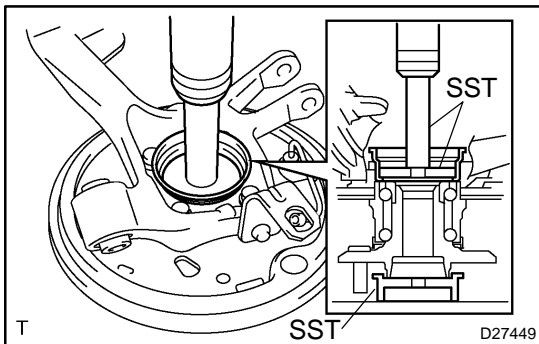
**16. REMOVE REAR AXLE CARRIER SUB-ASSY LH**

- (a) Remove the 4 bolts, hub & bearing assy LH and carrier sub-assy LH.

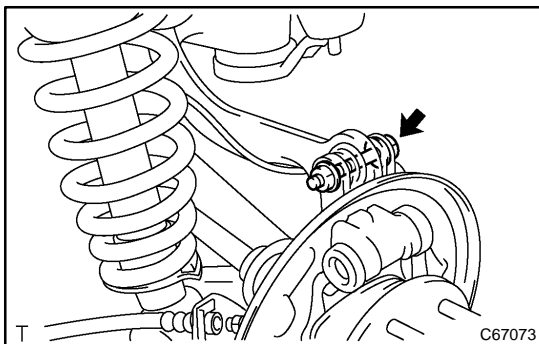
**17. INSTALL REAR AXLE CARRIER SUB-ASSY LH**

- (a) Install the hub & bearing assy LH and carrier sub-assy LH with 4 bolts.

**Torque: 56 N·m (571 kgf·cm, 41 ft·lbf)**

**18. INSTALL REAR WHEEL BEARING DUST DEFLECTOR NO.1 LH**

- (a) Using SST and a press, install a new dust deflector No.1.  
SST 09608-10010, 09950-60020 (09951-00680),  
09950-70010 (09951-07100)

**19. TEMPORARY TIGHTEN UPPER CONTROL ARM ASSY**

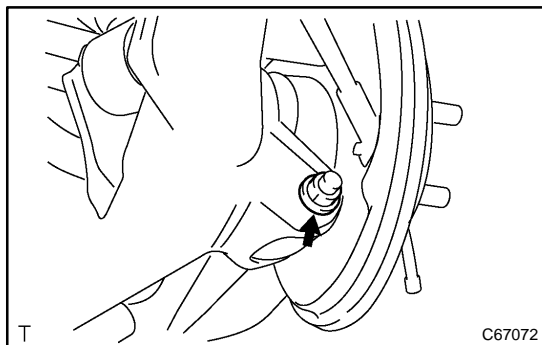
- (a) Temporarily tighten the upper control arm assy with a new bolt and nut.

**20. INSTALL REAR AXLE ASSY LH**

- (a) Fit the splines, insert the front drive shaft assy LH into the axle assy RR LH.

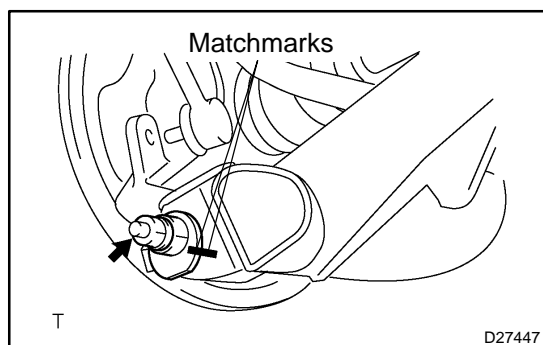
**NOTICE:**

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

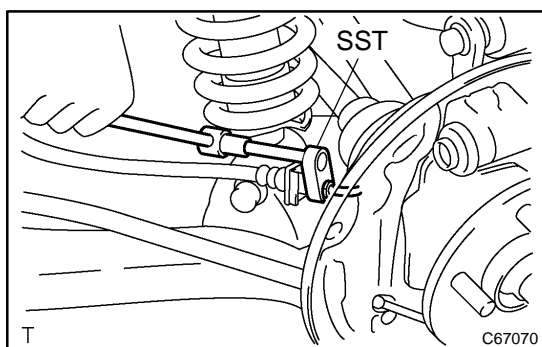


## 21. TEMPORARY TIGHTEN REAR SUSPENSION ARM ASSY NO.1 LH

- (a) Temporarily tighten the rear suspension arm assy No.1 LH with a new bolt and nut.



- (b) Temporarily tighten the adjust cam and adjust bolt with nut.



## 22. INSTALL REAR BRAKE TUBE NO.4

- (a) Install the flexible hose with clip.  
 (b) Using SST, install the rear brake tube No.4.  
 SST 09023-00100  
**Torque: 15 N·m (153 kgf·cm, 11 ft·lbf)**

23. **CONNECT PARKING BRAKE CABLE ASSY NO.3 (See page 32-41)**

24. **APPLICATION HIGH TEMPERATURE GREASE (See page 32-41)**

25. **INSTALL REAR BRAKE SHOE (See page 32-41)**

SST 09718-00010

26. **INSTALL REAR BRAKE AUTOMATIC ADJUST LEVER LH (See page 32-41)**

27. **INSTALL FRONT BRAKE SHOE (See page 32-41)**

SST 09718-00010

28. **INSTALL PARKING BRAKE SHOE STRUT SET LH (See page 32-41)**

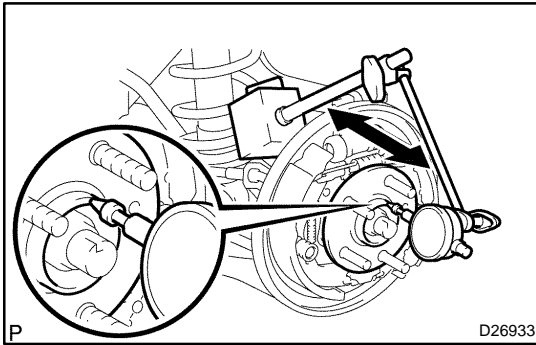
29. **INSTALL SPEED SENSOR REAR LH**

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

### NOTICE:

- Be careful not to damage the speed sensor.
  - Keep the speed sensor clean.
  - Do not twist the sensor wire when installing the sensor.
30. **CHECK REAR DRUM BRAKE INSTALLATION (See page 32-41)**
31. **INSTALL REAR BRAKE DRUM SUB-ASSY**
32. **INSTALL REAR AXLE SHAFT LH NUT**
- (a) Using a socket wrench (30 mm), install a new rear axle shaft LH nut.  
**Torque: 216 N·m (2,203 kgf·cm, 159 ft·lbf)**
33. **REMOVE REAR BRAKE DRUM SUB-ASSY**

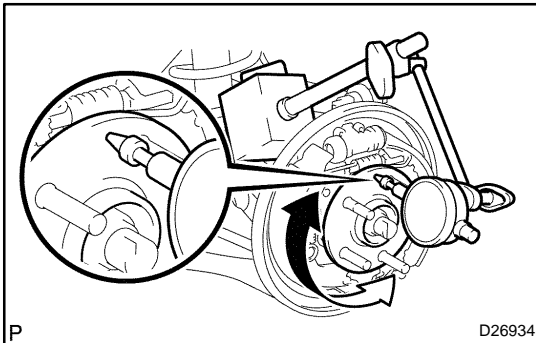
2003 COROLLA MATRIX (RM940U)

**34. INSPECT BEARING BACKLASH**

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

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

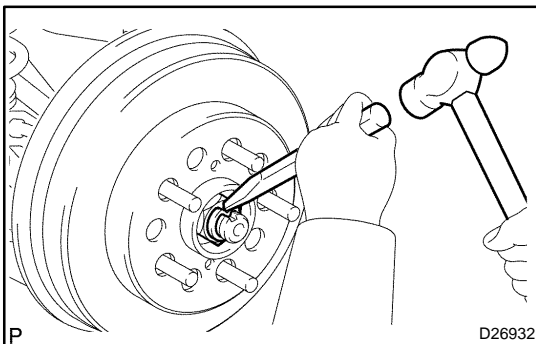
If the backlash exceeds the maximum, replace the hub & bearing assy.

**35. INSPECT AXLE HUB DEVIATION**

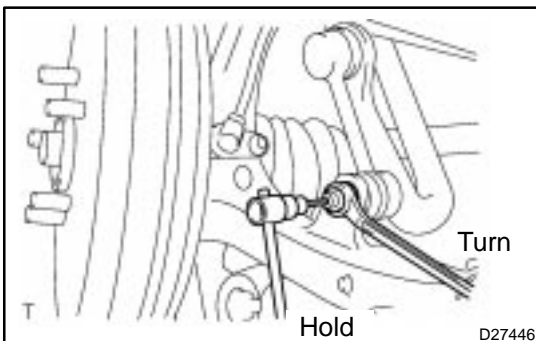
- (a) Using a dial indicator, check the deviation at the surface of the hub & bearing assy outside the hub bolt.

**Maximum: 0.07 mm (0.0028 in.)**

If the deviation exceeds the maximum, replace the hub & bearing assy.

**36. INSTALL REAR BRAKE DRUM SUB-ASSY****37. ADJUST REAR DRUM BRAKE SHOE CLEARANCE (See page 32-41)****38. INSTALL REAR AXLE SHAFT LH NUT**

- (a) Using a chisel and a hammer, stake the rear axle shaft LH nut.

**39. INSTALL REAR STABILIZER LINK ASSY LH**

- (a) Install the rear stabilizer link assy LH with the nut.

**Torque: 44 N·m (450 kgf·cm, 32 ft·lbf)**

**HINT:**

If the ball joint turns together with the nut, use a hexagon wrench (5 mm) to hold the stud.

**40. BLEED BRAKE LINE (See page 32-6)****41. INSTALL REAR WHEEL**

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

**42. STABILIZE SUSPENSION****43. FULLY TIGHTEN UPPER CONTROL ARM ASSY (See page 27-32)**

2003 COROLLA MATRIX (RM940U)

44. FULLY TIGHTEN REAR SUSPENSION ARM ASSY NO.1 LH (See page 27-27)
45. CHECK FLUID LEVEL IN RESERVOIR
46. INSPECT AND ADJUST REAR WHEEL ALIGNMENT (See page 27-7)
47. CHECK ABS SPEED SENSOR SIGNAL (See page 05-316)