

REAR AXLE BEAM ASSY (FF)

REPLACEMENT

27083-01

HINT:

COMPONENTS: See page 27-2

1. REMOVE REAR WHEEL
2. SEPARATE REAR DISC BRAKE CALIPER ASSY LH (DISC REAR BRAKE TYPE)
(See Page 30-63)
3. SEPARATE REAR DISC BRAKE CALIPER ASSY RH (DISC REAR BRAKE TYPE)
(See Page 30-63)
4. REMOVE REAR DISC (DISC REAR BRAKE TYPE)

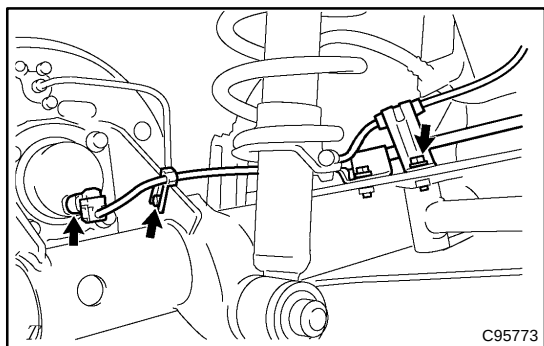
HINT:

Use the same manner described above to the other side.

5. REMOVE REAR BRAKE DRUM SUB-ASSY (DRUM REAR BRAKE TYPE)

HINT:

Use the same manner described above to the other side.



6. DISCONNECT SKID CONTROL SENSOR WIRE (W/ ABS)

- (a) Disconnect the skid control sensor connector.
- (b) Remove the bolt and clip, disconnect the skid control sensor wire.
- (c) Use the same manner described above to the other side.

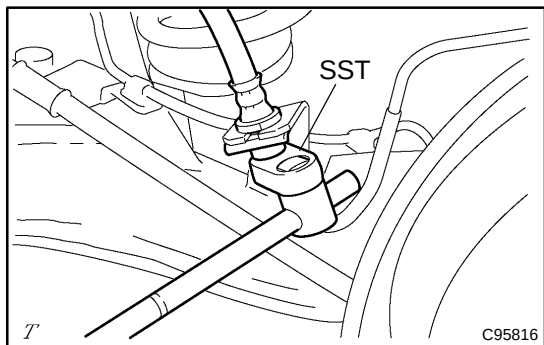
7. DISCONNECT PARKING BRAKE CABLE ASSY NO.3

- (a) Remove the bolt, disconnect parking brake cable No.3.

8. DISCONNECT PARKING BRAKE CABLE ASSY NO.2

- (a) Remove the bolt, disconnect parking brake cable No.2.

9. REMOVE STABILIZER BAR REAR (See Page 27-38)



10. DISCONNECT REAR BRAKE TUBE NO.4 (DRUM REAR BRAKE TYPE)

- (a) Using SST, disconnect the rear brake tube No.4 from the flexible hose. Use a container to catch brake fluid as it drains out.

SST 09023-00100

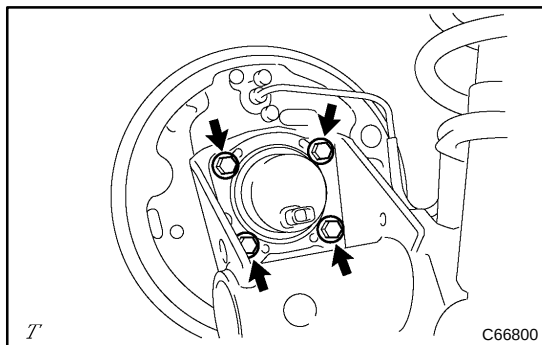
- (b) Remove the clip and disconnect the flexible hose.

11. DISCONNECT REAR BRAKE TUBE NO.3 (DRUM REAR BRAKE TYPE)

SST 09023-00100

HINT:

Disconnect the RH side by the same procedures as the LH side.

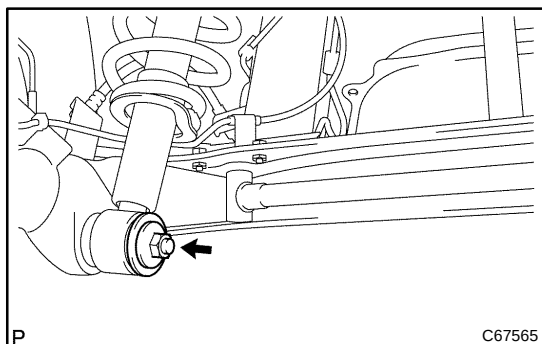
**12. REMOVE REAR AXLE HUB & BEARING ASSY LH**

- (a) Remove the 4 bolts and rear axle hub from the rear axle beam assy.

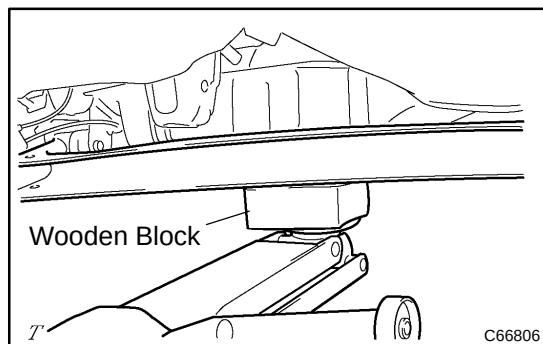
13. REMOVE REAR AXLE HUB & BEARING ASSY RH

HINT:

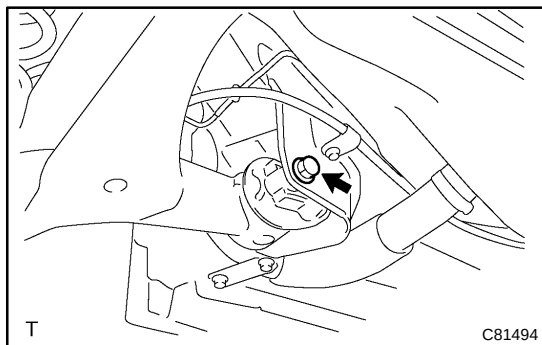
Remove the RH side by the same procedures as the LH side.

**14. SEPARATE REAR SHOCK ABSORBER WITH COIL SPRING**

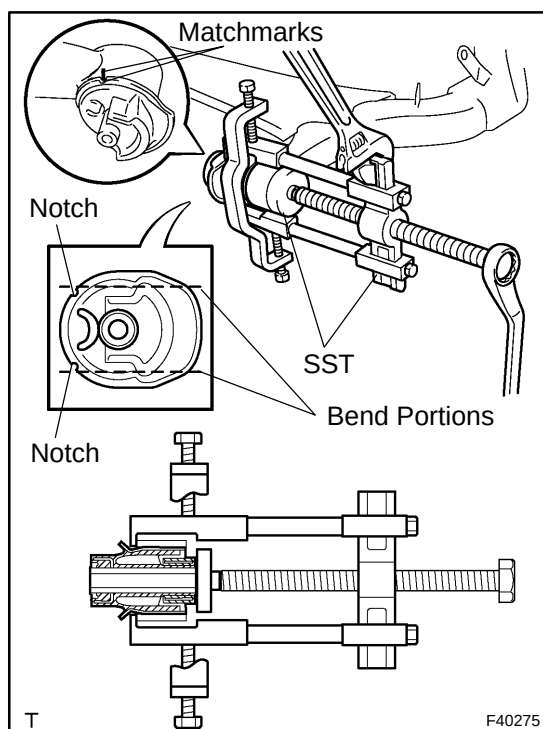
- (a) Remove the nut and rear shock absorber LH cushion retainer, separate the rear shock absorber with coil spring from the rear axle beam assy.
- (b) Use the same manner described above to the other side.

**15. REMOVE REAR AXLE BEAM ASSY**

- (a) Support the rear axle beam assy with jack.



- (b) Remove the 2 bolts, 2 nuts and rear axle beam assy.

**16. REMOVE REAR AXLE CARRIER BUSH LH**

- Make matchmarks on the 2 notches of the bushing and axle beam.
- Using a chisel and a hammer, bend the 2 portions of the bushing rib.

HINT:

Bend the bushing rib until the claw of SST can be hung.

- Using SST, remove the bushing from the axle beam.

SST 09950-40011 (09951-04020, 09952-04010, 09953-04030, 09954-04020, 09955-04051, 09957-04010, 09958-04011), 09950-60010 (09951-00630)

NOTICE:

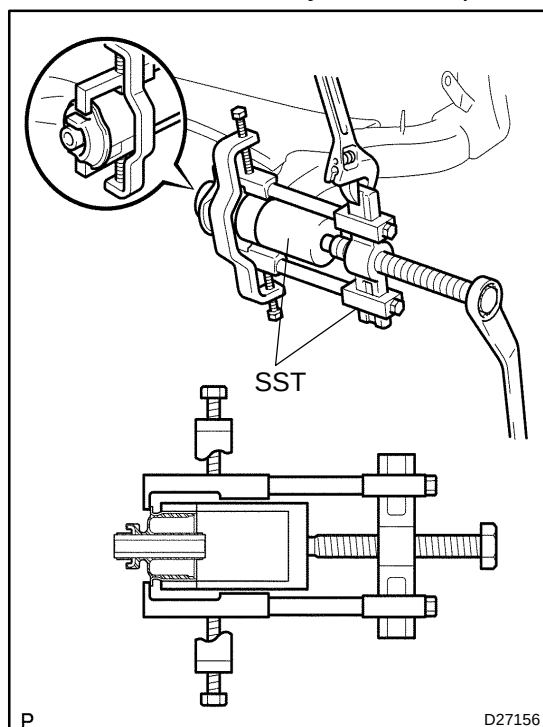
If the rear axle beam assy has been scratched, apply the paint.

17. REMOVE REAR AXLE CARRIER BUSH RH

SST 09950-40011 (09951-04020, 09952-04010, 09953-04030, 09954-04020, 09955-04051, 09957-04010, 09958-04011), 09950-60010 (09951-00630)

HINT:

Remove the RH side by the same procedures as the LH side.

**18. INSTALL REAR AXLE CARRIER BUSH LH**

- Align the matchmarks on the rear axle beam assy with the 2 notches of a new bushing and temporarily install the bushing to the rear axle beam assy.
- Using SST, install the bushing to the axle beam.

SST 09950-40011 (09951-04020, 09952-04010, 09953-04030, 09954-04020, 09955-04051, 09957-04010, 09958-04011), 09950-60010 (09951-00620), 09710-04101

NOTICE:

- Hang the claw of SST to the bushing deeply and firmly.
- Do not scratch the rubber portion of the bushing.
- Do not deform the bushing rib.

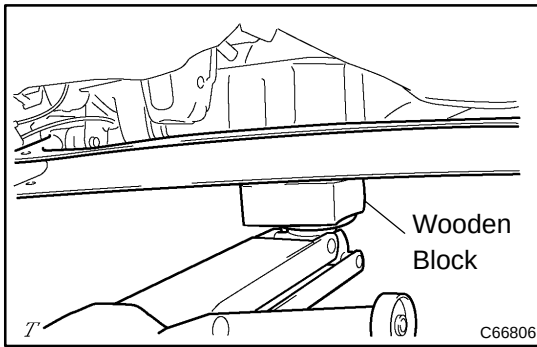
19. INSTALL REAR AXLE CARRIER BUSH RH

SST 09950-40011 (09951-04020, 09952-04010, 09953-04030, 09954-04020, 09955-04051, 09957-04010, 09958-04011), 09950-60010 (09951-00620), 09710-04101

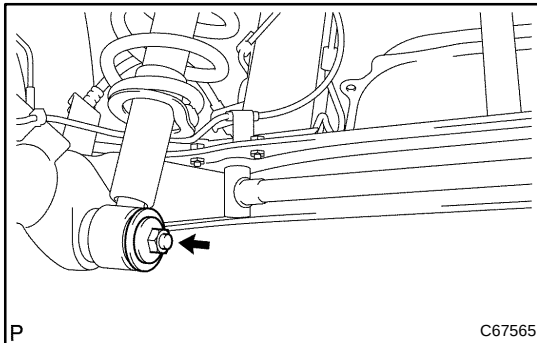
HINT:

Install the RH side by the same procedures as the LH side.

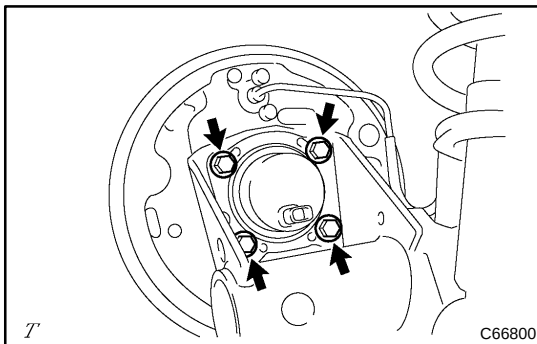
2003 COROLLA MATRIX (RM940U)

**20. TEMPORARY TIGHTEN REAR AXLE BEAM ASSY**

- (a) Support the rear axle beam assy with jack.
- (b) Install the rear axle beam assy and 2 bolts, temporarily tighten the 2 nuts.

**21. TEMPORARY TIGHTEN REAR SHOCK ABSORBER WITH COIL SPRING**

- (a) Install the rear shock absorber with coil spring and rear shock absorber LH cushion retainer, temporarily tighten the nut.
- (b) Using the same manner described above to the other side.

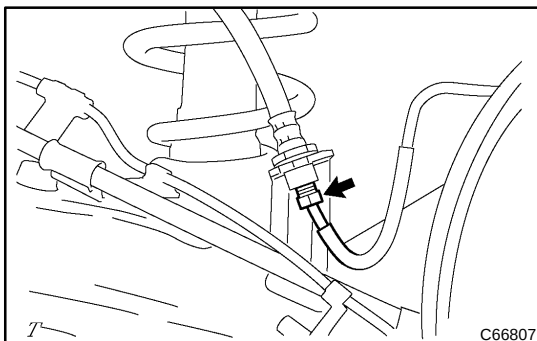
**22. INSTALL REAR AXLE HUB & BEARING ASSY LH**

- (a) Install the rear axle hub with the 4 bolts.
Torque: 61 N·m (622 kgf·cm, 45 ft·lbf)

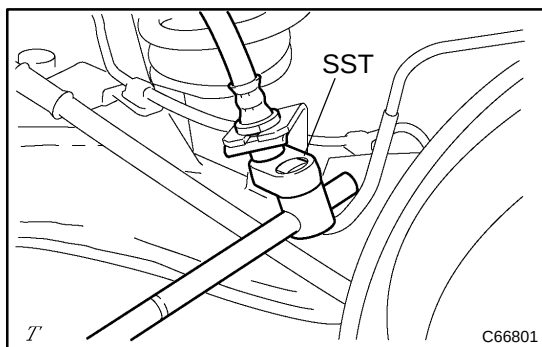
23. INSTALL REAR AXLE HUB & BEARING ASSY RH

HINT:

Install the RH side by the same procedures as the LH side.

**24. CONNECT REAR BRAKE TUBE NO.4 (DRUM REAR BRAKE TYPE)**

- (a) Temporarily tighten the rear brake tube No.4 and flexible hose.
- (b) Connect the rear brake tube No.4 with the clip to the rear axle beam assy.



- (c) Using SST, fully tighten the rear brake tube No.4.
 SST 09023-00100
Torque: 15.2 N·m (155 kgf·cm, 11 ft·lbf)

25. CONNECT REAR BRAKE TUBE NO.3 (DRUM REAR BRAKE TYPE)

SST 09023-00100

HINT:

Connect the RH side by the same procedures as the LH side.

26. INSTALL STABILIZER BAR REAR (See page 27-38)

27. CONNECT PARKING BRAKE CABLE ASSY NO.3

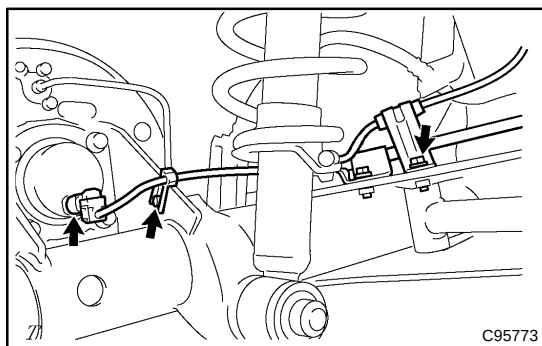
- (a) Connect the parking brake cable No.3 with the bolt.

Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)

28. CONNECT PARKING BRAKE CABLE ASSY NO.2

- (a) Connect the parking brake cable No.2 with the bolt.

Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)



29. CONNECT SKID CONTROL SENSOR WIRE (W/ ABS)

- (a) Connect the skid control sensor wire with the bolt and clip.

Torque: 5.0 N·m (51 kgf·cm, 44 in·lbf)

- (b) Connect the skid control sensor connector.

- (c) Use the same manner described above to the other side.

30. INSTALL REAR DISC (DISC REAR BRAKE TYPE)

HINT:

Use the same manner described above to the other side.

31. INSTALL REAR DISC BRAKE CALIPER ASSY LH (DISC REAR BRAKE TYPE) (See Page 30-63)

32. INSTALL REAR DISC BRAKE CALIPER ASSY RH (DISC REAR BRAKE TYPE) (See Page 30-63)

33. INSTALL REAR BRAKE DRUM SUB-ASSY (DRUM REAR BRAKE TYPE)

HINT:

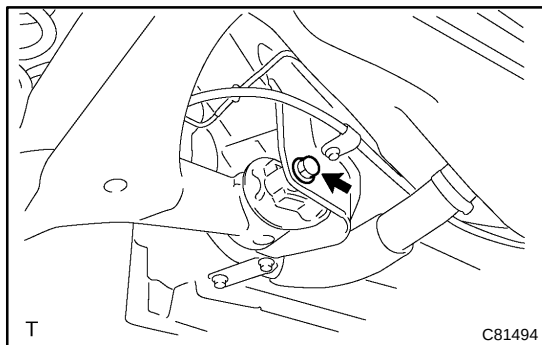
Use the same manner described above to the other side.

34. STABILIZE SUSPENSION

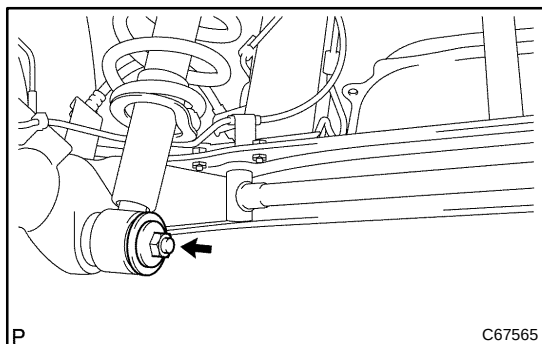
- (a) Install the rear wheel and jack down the vehicle.

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

- (b) Bounce the vehicle up and down several times to stabilize the suspension.

**35. FULLY TIGHTEN REAR AXLE BEAM ASSY**

- (a) Fully tighten the bolt.
Torque: 85 N·m (867 kgf·cm, 63 ft·lbf)
- (b) Using the same manner described above to the other side.

**36. FULLY TIGHTEN REAR SHOCK ABSORBER WITH COIL SPRING**

- (a) Fully tighten the nut.
Torque: 80 N·m (816 kgf·cm, 59 ft·lbf)
- (b) Using the same manner described above to the other side.

37. BLEED BRAKE LINE (See page 32-6)

38. INSPECT BRAKE FLUID (See page 32-6)

39. INSPECT REAR WHEEL ALIGNMENT (See page 27-6)

40. CHECK ABS SPEED SENSOR SIGNAL (W/ ABS) (See page 05-316)