

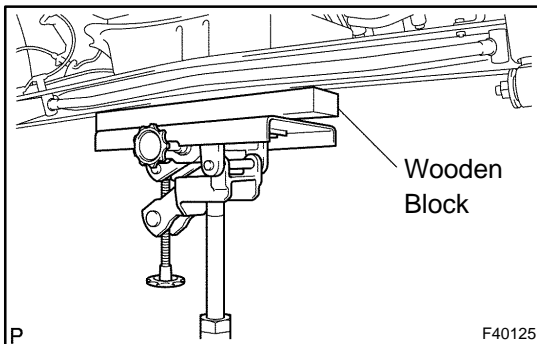
REAR SHOCK ABSORBER WITH COIL SPRING (FF) OVERHAUL

2707Z-01

HINT:

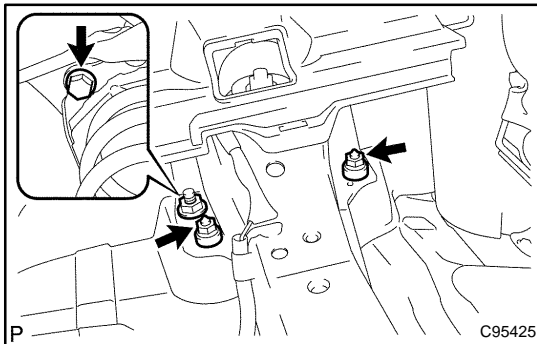
COMPONENTS: See page 27-2

1. REMOVE REAR WHEEL
2. REMOVE DECK BOARD NO.2 (See Page 76-17)
3. REMOVE DECK BOARD SUB-ASSY (See Page 76-17)
4. REMOVE DECK FLOOR BOX REAR (See Page 76-17)
5. REMOVE LUGGAGE COMPARTMENT TRAY (See Page 76-17)
6. REMOVE SHOCK ABSORBER HEAD COVER

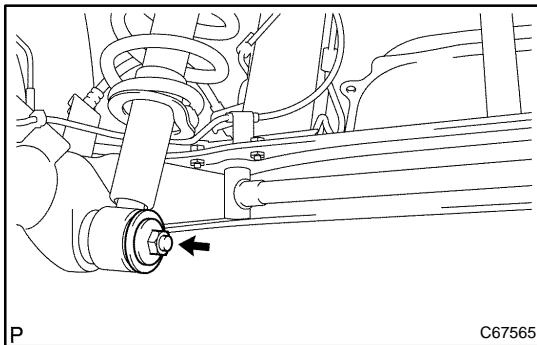


7. REMOVE REAR SHOCK ABSORBER WITH COIL SPRING

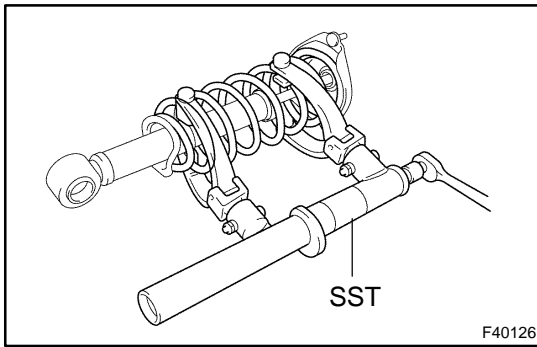
- (a) Support the rear axle beam assy with jack.



- (b) Remove the 2 nuts and bolt.



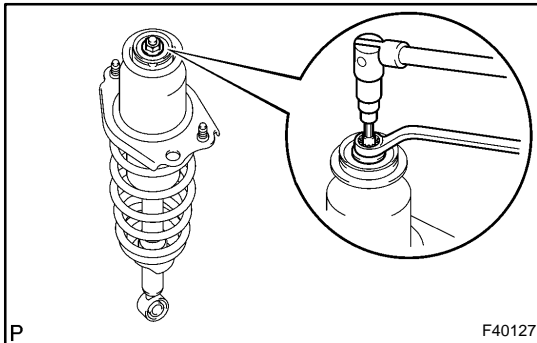
- (c) Remove the nut, rear shock absorber LH cushion retainer and rear shock absorber with coil spring.

**8. REMOVE SHOCK ABSORBER ASSY REAR LH**

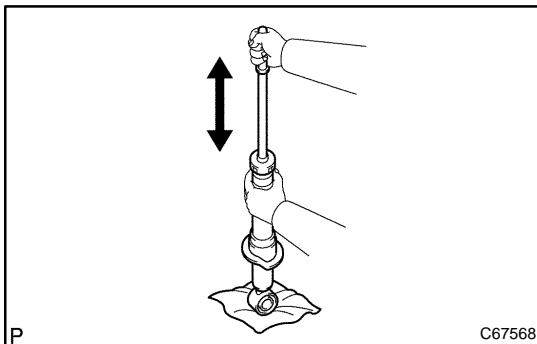
- (a) Using SST, compress the coil spring rear LH.
SST 09727-30021

NOTICE:

Do not use an impact wrench. It will damage the SST.



- (b) Use a 6 mm hexagon wrench to hold the piston rod and remove the nut.
(c) Remove the rear shock absorber cushion washer No.1, rear suspension support, rear spring front bracket sub-assy LH, LH support assy rear suspension, rear coil spring insulator upper LH, rear spring bumper No.1 LH and coil spring rear LH.

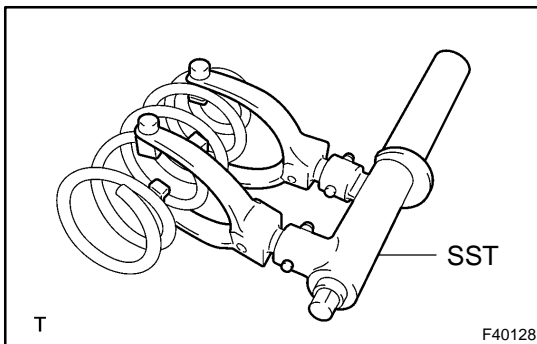
**9. INSPECT SHOCK ABSORBER ASSY REAR LH**

- (a) Compress and extend the shock absorber rod and check for abnormal resistance or unusual sound during the operation.

If an abnormality is found, replace the shock absorber assy rear LH with a new one.

NOTICE:

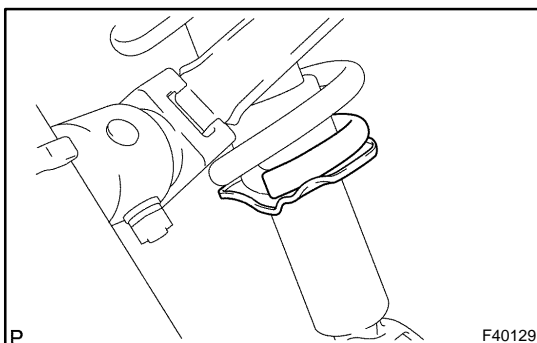
When disposing of the shock absorber assy rear LH, see DISPOSAL on page 27-15.

**10. INSTALL SHOCK ABSORBER ASSY REAR LH**

- (a) Using SST, compress the coil spring rear LH.
SST 09727-30021

NOTICE:

Do not use an impact wrench. It will damage the SST.

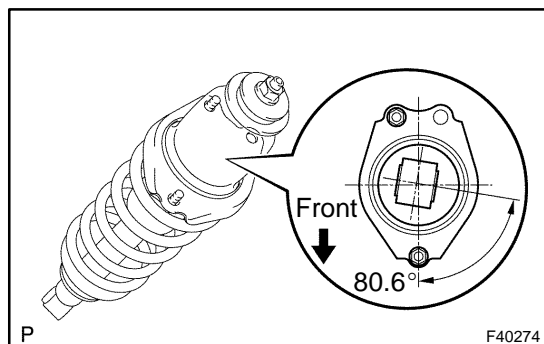


- (b) Insert the coil spring rear LH into the shock absorber assy rear LH.

NOTICE:

Fit the lower end of the coil spring rear LH into the gap of the spring lower seat.

- (c) Install the rear spring bumper No.1 LH and LH support assy rear suspension.
(d) Set the rear coil spring insulator upper LH to the rear spring front bracket sub-assy LH.

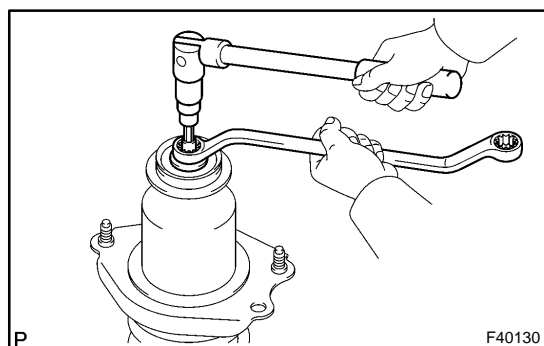


- (e) Position the rear spring front bracket sub-assy LH with rear coil spring insulator upper LH as shown in the illustration.

HINT:

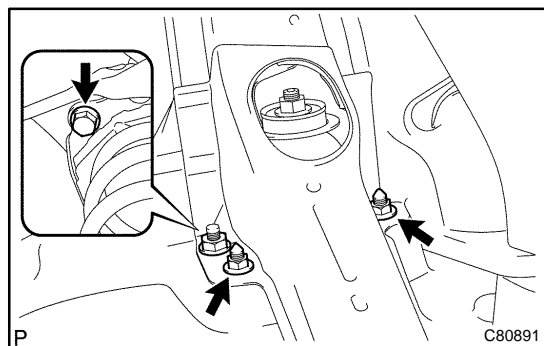
Place the RH side on the symmetric position to the illustration.

- (f) Install the rear suspension support and rear shock absorber cushion washer No.1.
 (g) Temporarily tighten a new center nut.
 (h) Remove the SST.
 (i) Recheck the direction of the rear spring front bracket sub-assy LH.



- (j) Use a 6 mm hexagon wrench to hold the piston rod and tighten the nut.

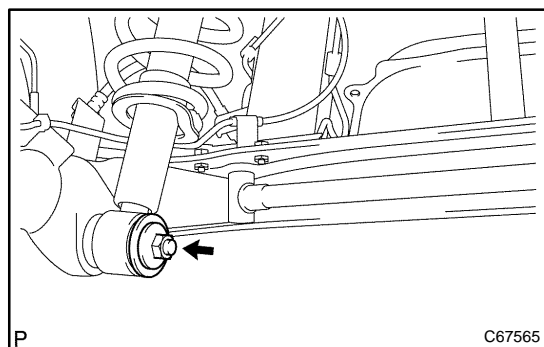
Torque: 56 N·m (571 kgf-cm, 41 ft-lbf)



11. INSTALL REAR SHOCK ABSORBER WITH COIL SPRING

- (a) Install the 2 nuts and bolt.

Torque: 80 N·m (816 kgf-cm, 59 ft-lbf)



- (b) Install the rear shock absorber with coil spring, temporarily tighten the nut and rear shock absorber LH cushion retainer.

12. INSTALL LUGGAGE COMPARTMENT TRAY (See Page 76-17)

13. INSTALL DECK BOARD SUB-ASSY (See Page 76-17)

14. INSTALL DECK BOARD NO.2 (See Page 76-17)

15. INSTALL DECK FLOOR BOX REAR (See Page 76-17)

16. INSTALL SHOCK ABSORBER HEAD COVER

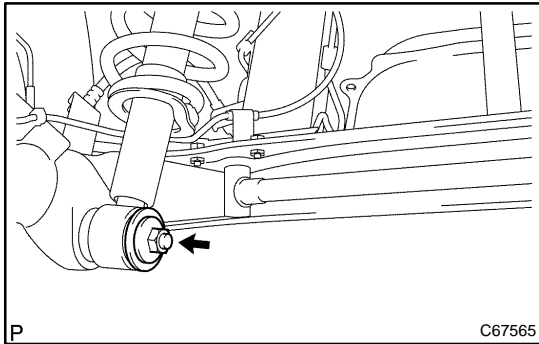
2003 COROLLA MATRIX (RM940U)

17. 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.

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

- (a) Fully tighten the nut.

Torque: 80 N·m (816 kgf·cm, 59 ft·lbf)

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