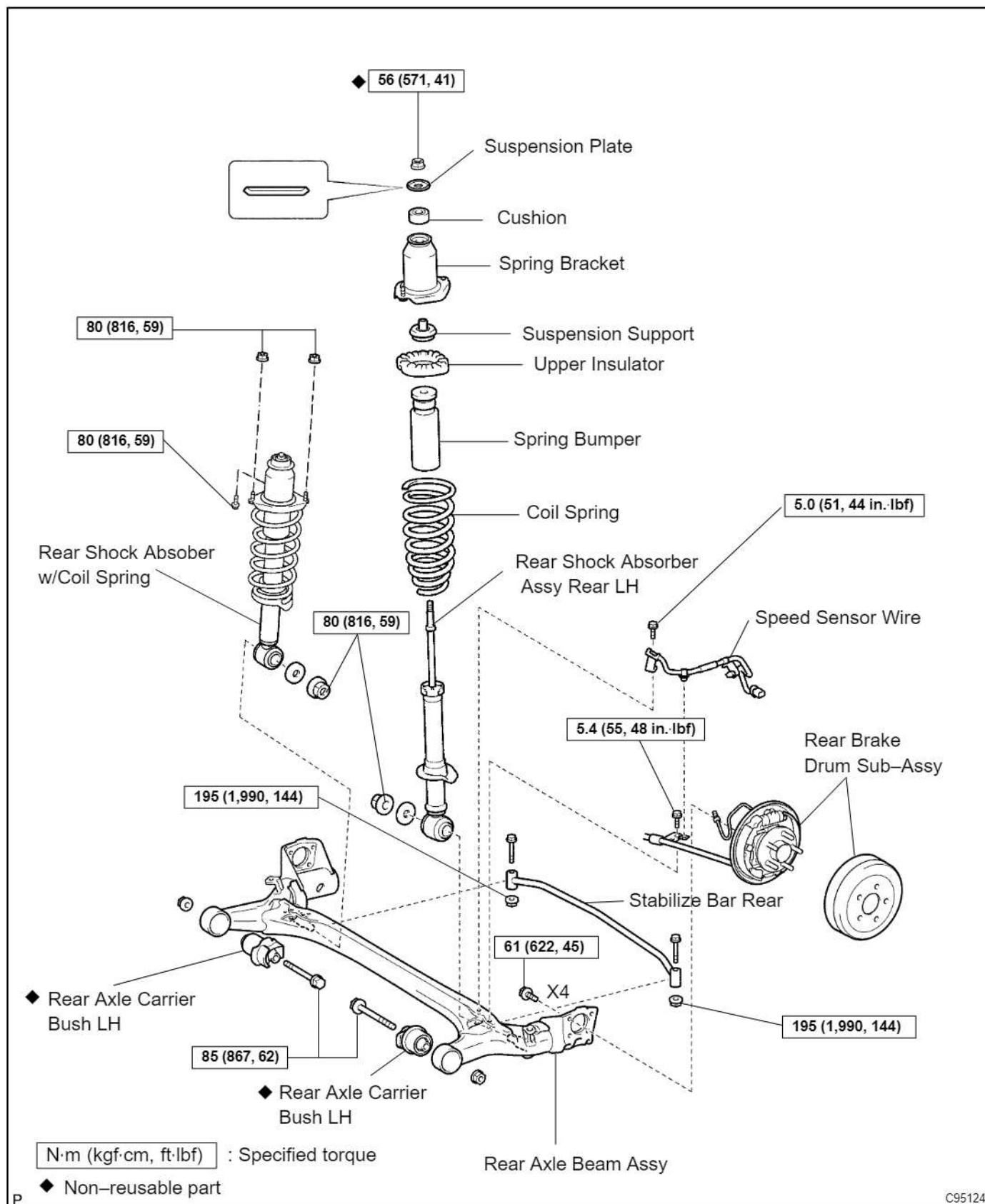


REAR SUSPENSION COMPONENTS

27070-01



REAR WHEEL ALIGNMENT

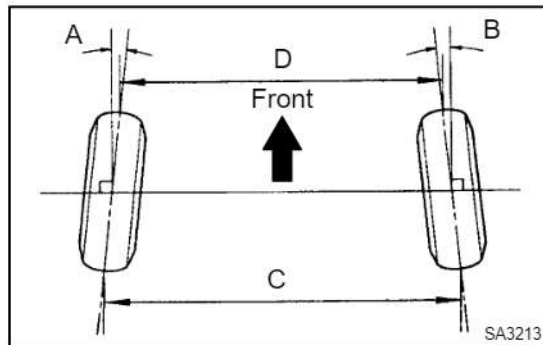
2707P-01

INSPECTION

1. INSPECT TIRE(See page 28-1)
2. MEASURE VEHICLE HEIGHT(See page 26-5)

NOTICE:

Before inspecting the wheel alignment, adjust the vehicle height to the specified value.



3. INSPECT TOE-IN

Toe-in:

USA, Canada:

	P195/65R15 89S	P185/65R15 86S
A + B	$0^{\circ}16' \pm 16'$ ($0.26^{\circ} \pm 0.26^{\circ}$)	$0^{\circ}16' \pm 16'$ ($0.26^{\circ} \pm 0.26^{\circ}$)
C - D	2.6 ± 2.5 mm (0.10 ± 0.10 in.)	2.5 ± 2.5 mm (0.10 ± 0.10 in.)

Mexico:

	P195/65R15 89H
A + B	$0^{\circ}01' \pm 16'$ ($0.16^{\circ} \pm 0.26^{\circ}$)
C - D	1.6 ± 2.5 mm (0.06 ± 0.10 in.)

If the toe-in is not within the specified value, inspect and replace the suspension parts as necessary.

4. INSPECT CAMBER

- (a) Install the camber-caster-kingpin gauge or position vehicle on wheel alignment tester.
- (b) Inspect the camber.

Camber:

	USA, Canada	Mexico
Camber	$-1^{\circ}27' \pm 30'$ ($-1.45^{\circ} \pm 0.5^{\circ}$)	$-1^{\circ}26' \pm 30'$ ($-1.43^{\circ} \pm 0.5^{\circ}$)
Right-left error	$30'$ (0.5°) or less	$30'$ (0.5°) or less

If the measured value is not within the specified value, inspect the suspension parts for damage and/or wear and replace them if necessary become camber is not adjustable.

REAR AXLE BEAM ASSY REPLACEMENT

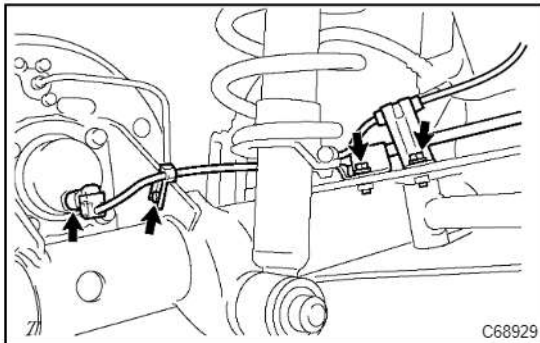
27075-02

HINT:

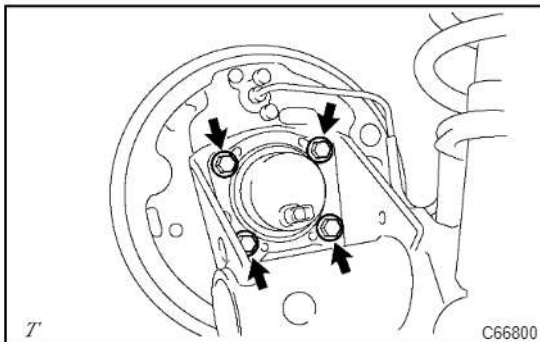
COMPONENTS: See page 27-2

1. REMOVE REAR WHEEL

- (a) Remove the RH and LH rear wheels.

2. REMOVE REAR BRAKE DRUM SUB-ASSY(See page 32-31)**3. SEPARATE SKID CONTROL SENSOR WIRE**

- (a) Disconnect the skid control sensor connector.
 (b) Remove the 2 bolts and separate the wire harness clamps.
 (c) Remove the bolt and separate parking brake cable clamp.
 (d) Using the same manner described above to the other side.

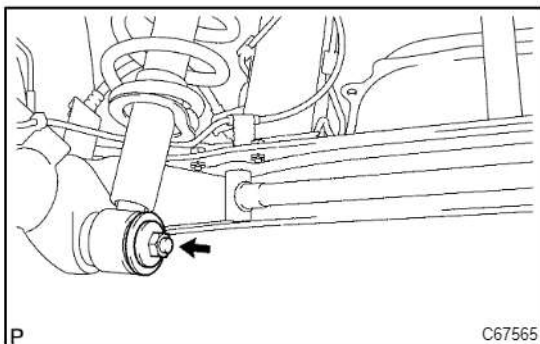
4. REMOVE STABILIZER BAR REAR(See page 27-13)**5. REMOVE REAR AXLE HUB & BEARING ASSY LH**

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

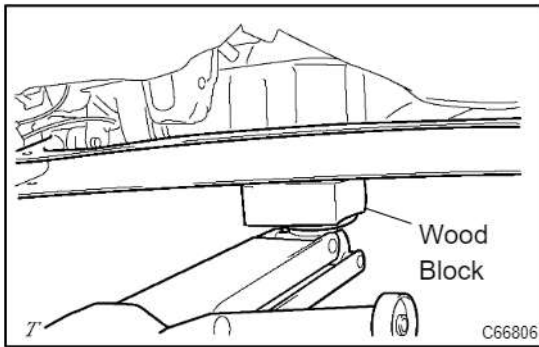
6. REMOVE REAR AXLE HUB & BEARING ASSY RH

HINT:

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

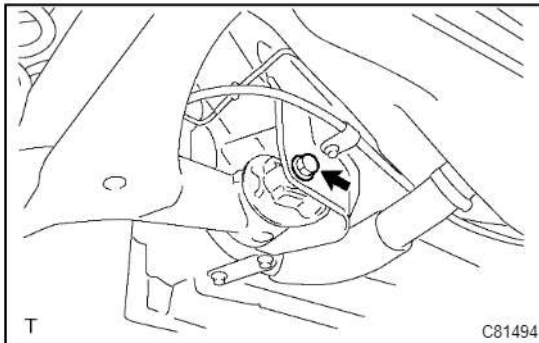
**7. SEPARATE REAR SHOCK ABSORBER WITH COIL SPRING**

- (a) Remove the nut, washer and separate the rear shock absorber w/coil spring (lower side) from the rear axle beam.
 (b) Using the same manner described above to the other side.

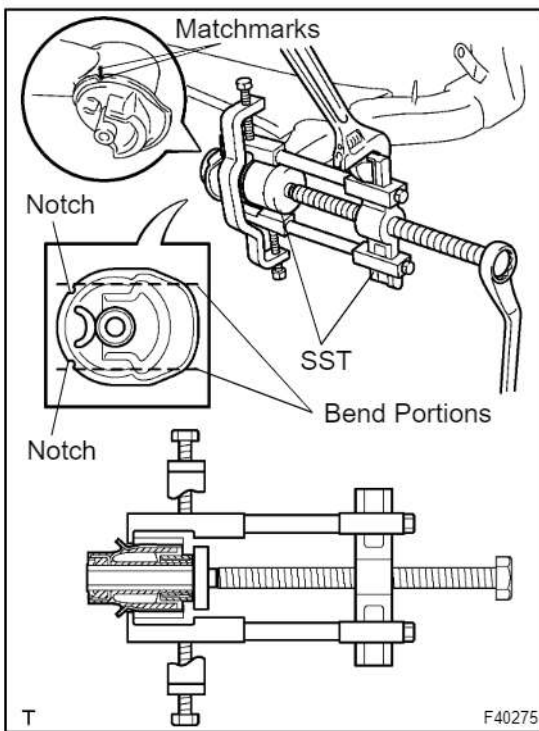


8. REMOVE REAR AXLE BEAM ASSY

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



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



9. REMOVE REAR AXLE CARRIER BUSH LH

- (a) Place matchmarks on the 2 notches of the bushing and axle beam.
 (b) 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.

- (c) 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:

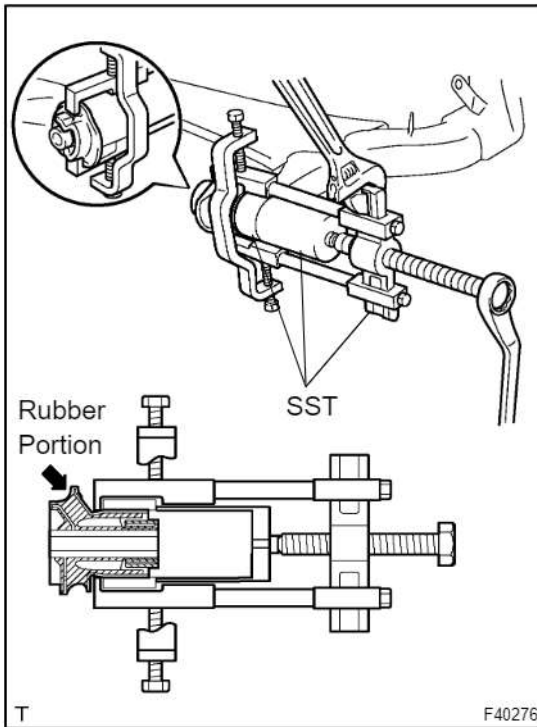
If the axle beam has been scratched, apply the paint.

10. REMOVE REAR AXLE CARRIER BUSH RH

HINT:

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

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



11. INSTALL REAR AXLE CARRIER BUSH LH

- Align the matchmarks on the axle beam with the 2 notches of a new bushing and temporarily install the bushing to the axle beam.
- 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:

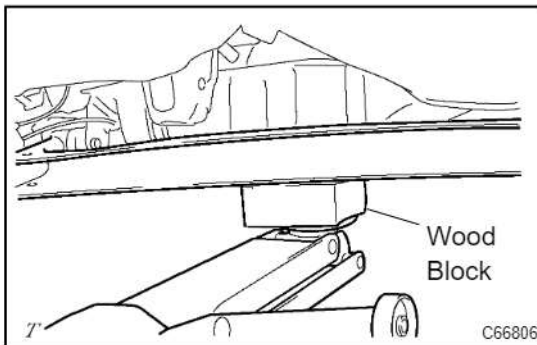
- Hang the claw of SST to the bushing deeply and firmly.
- Do not scratch the rubber portion of the bushing.
- Do not deform the bushing rib.

12. INSTALL REAR AXLE CARRIER BUSH RH

HINT:

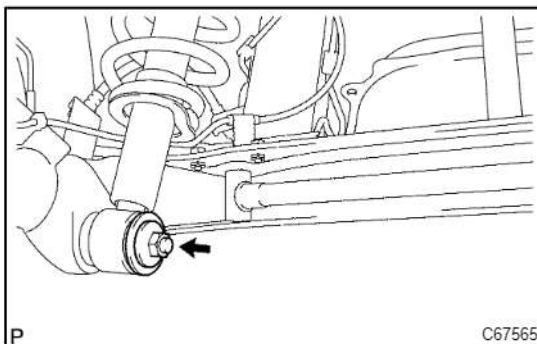
Install the RH side by the same procedures with the LH side.

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



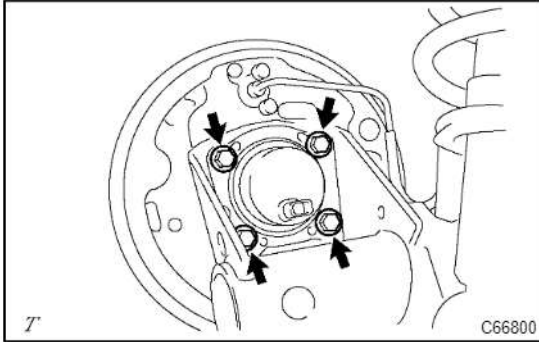
13. TEMPORARY TIGHTEN REAR AXLE BEAM ASSY

- Support the rear axle beam with jack.
- Install the rear axle beam, 2 bolts, and temporary tighten the 2 nuts.



14. TEMPORARY TIGHTEN REAR SHOCK ABSORBER WITH COIL SPRING

- Install the rear shock absorber, washer and temporary tighten the nut.
- Using the same manner described above to the other side.



15. INSTALL REAR AXLE HUB & BEARING ASSY LH

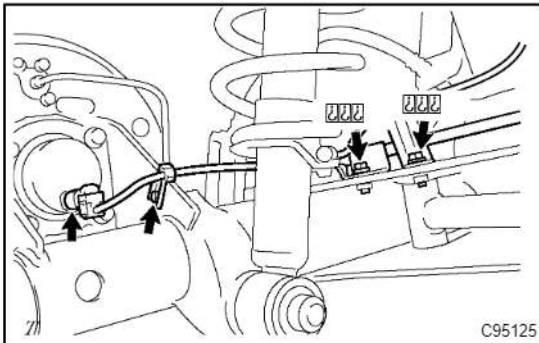
- (a) Install the rear axle hub with the 4 bolts.
Torque: 61 N·m (622 kgf·cm, 45 ft·lbf)

16. INSTALL REAR AXLE HUB & BEARING ASSY RH

HINT:

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

17. INSTALL STABILIZER BAR REAR(See page 27-13)



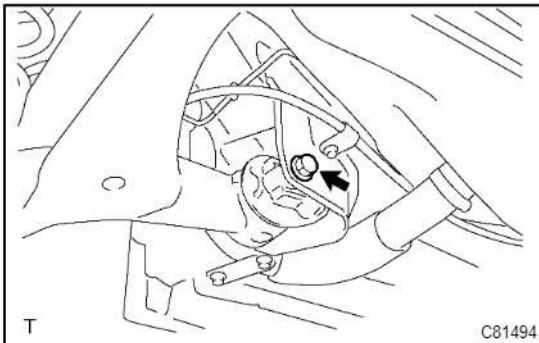
18. INSTALL SKID CONTROL SENSOR WIRE

- (a) Install the wire harness and parking brake cable with the 2 bolts and clip.
Torque:
(A): 5.4 N·m (55 kgf·cm, 48 in·lbf)
(B): 5.0 N·m (51 kgf·cm, 44 in·lbf)
- (b) Connect the skid control sensor connector.
- (c) Using the same manner described above to the other side.

19. INSTALL REAR BRAKE DRUM SUB-ASSY(See page 32-31)

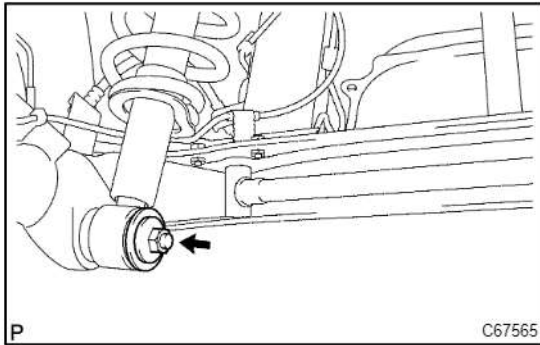
20. STABILIZE SUSPENSION

- (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.



21. FULLY TIGHTEN REAR AXLE BEAM ASSY

- (a) Fully tighten the bolt.
Torque: 85 N·m (867 kgf·cm, 62 ft·lbf)
- (b) Using the same manner described above to the other side.

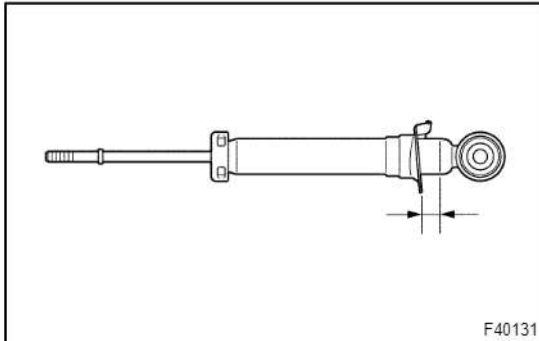
**22. FULLY TIGHTEN REAR SHOCK ABSORBER WITH COIL SPRING**

- (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.

23. INSPECT REAR WHEEL ALIGNMENT(See page [27-3](#))

24. CHECK ABS SPEED SENSOR SIGNAL(See page [05-297](#))

DISPOSAL



1. DISPOSE SHOCK ABSORBER ASSY REAR LH

- (a) Fully extend the shock absorber rod.
- (b) Using a drill, make a hole in the cylinder as shown in the illustration to discharge the gas inside.

CAUTION:

- When drilling, chips may fly out, work carefully.
- The gas is colorless, odorless and non-poisonous.

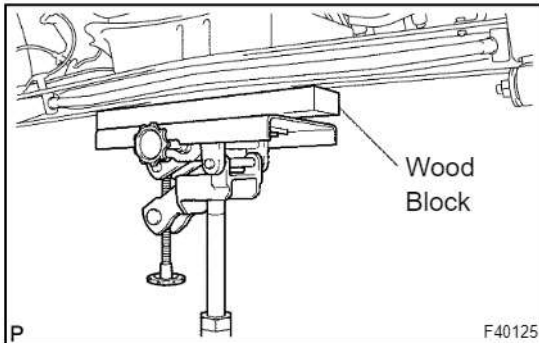
REAR SHOCK ABSORBER WITH COIL SPRING OVERHAUL

2707R-01

HINT:

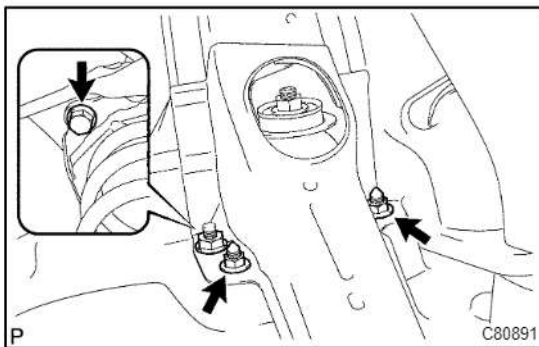
COMPONENTS: See page 27-2

1. REMOVE REAR WHEEL
2. REMOVE SPARE WHEEL COVER ASSY
3. REMOVE REAR FLOOR FINISH PLATE(See page 76-21)
4. REMOVE LUGGAGE COMPARTMENT TRIM COVER INNER LH(See page 76-21)

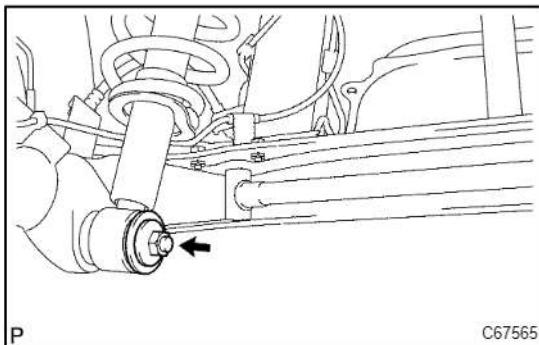


5. REMOVE REAR SHOCK ABSORBER WITH COIL SPRING

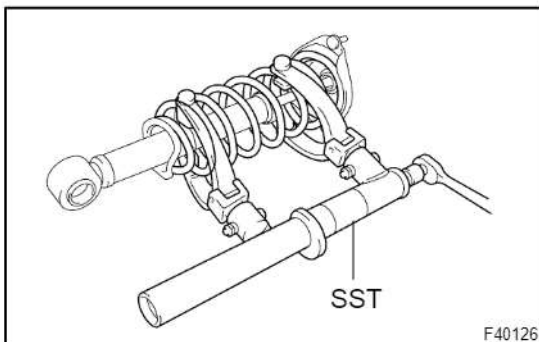
- (a) Support the rear axle beam with jack.



- (b) Remove the 2 nuts and bolt.



- (c) Remove the nut, washer and shock absorber.

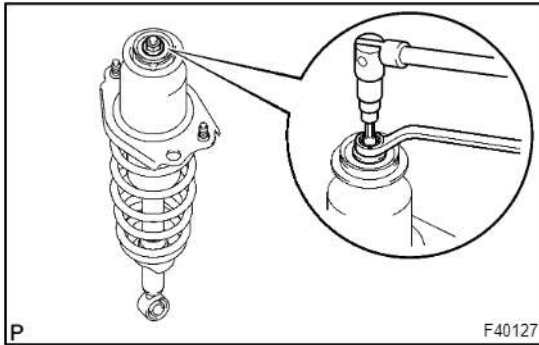


6. REMOVE SHOCK ABSORBER ASSY REAR LH

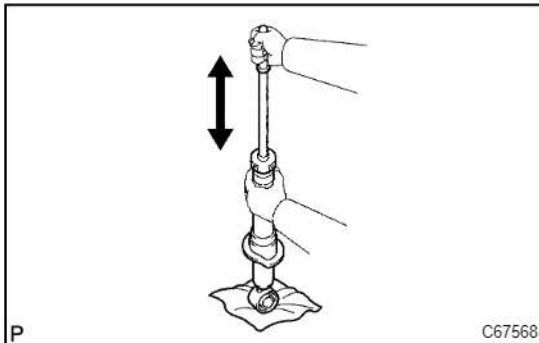
- (a) Using SST, compress the coil spring.
SST 09727-30021

NOTICE:

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



- (b) Using a 6 mm hexagon wrench to hold the piston rod, remove the nut.
- (c) Remove the support plate, cushion, spring bracket, upper insulator, suspension support, spring bumper and coil spring.



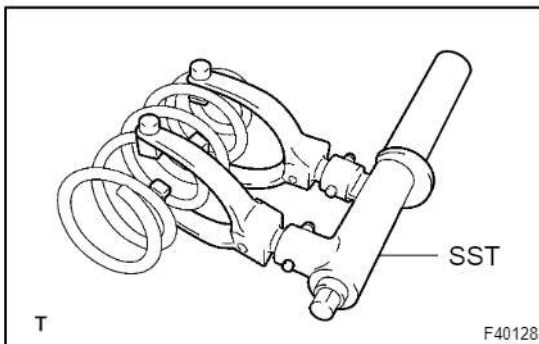
7. INSPECT SHOCK ABSORBER ASSY REAR LH

- (a) Compress and extend the shock absorber rod and check that there is no abnormal resistance or unusual sound during operation.

If there is any abnormality, replace the shock absorber with a new one.

NOTICE:

When disposing the shock absorber, see **DISPOSAL** on page 27-7.

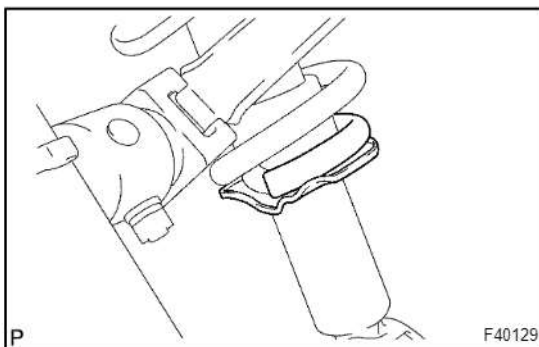


8. INSTALL SHOCK ABSORBER ASSY REAR LH

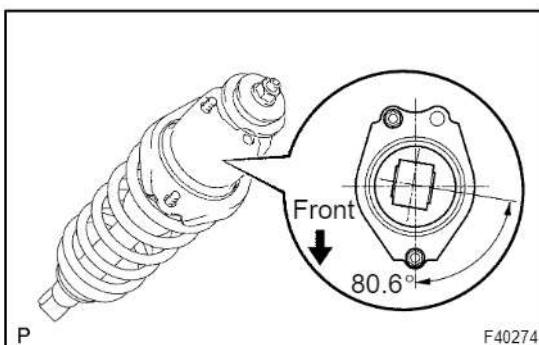
- (a) Using SST, compress the coil spring.
SST 09727-30021

NOTICE:

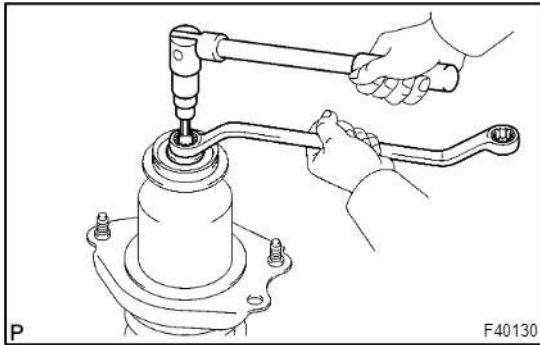
Do not use an impact wrench. It will damage the SST.



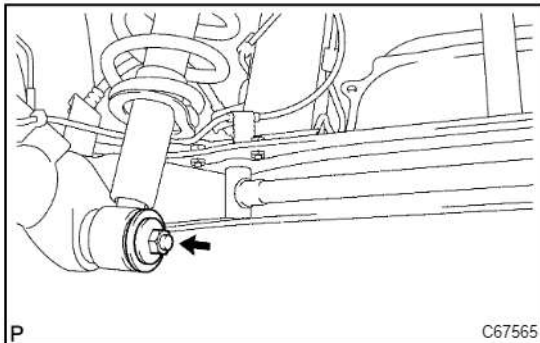
- (b) Insert the coil spring to the shock absorber.
- HINT:
Fit the lower end of the coil spring into the gap of the spring lower seat.
- (c) Install the spring bumper and suspension support.
 - (d) Set the upper insulator to the spring bracket.



- (e) Position the spring bracket with upper insulator as shown in the illustration.
- HINT:
Place the RH side on the symmetric position to the illustration.
- (f) Install the cushion and support plate.
 - (g) Temporarily tighten a new center nut.
 - (h) Remove the SST.
SST 09727-30021
 - (i) Recheck the direction of the spring bracket.

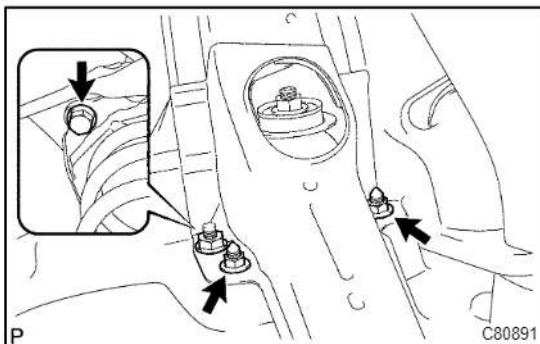


- (j) Using a 6 mm hexagon wrench to hold the piston rod, tighten a new nut.
Torque: 56 N·m (571 kgf·cm, 41 ft·lbf)



9. INSTALL REAR SHOCK ABSORBER WITH COIL SPRING

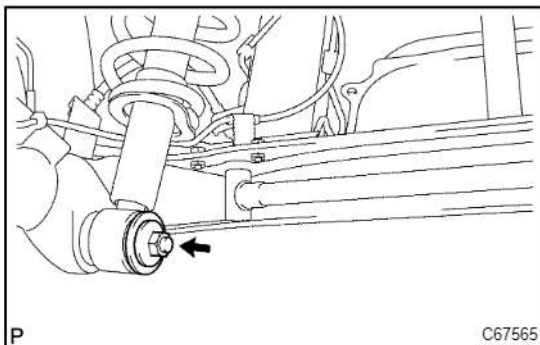
- (a) Install the shock absorber, temporary tighten the nut and washer.



- (b) Install the 2 nuts and bolt.
Torque: 80 N·m (816 kgf·cm, 59 ft·lbf)

10. 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.



11. FULLY TIGHTEN REAR SHOCK ABSORBER WITH COIL SPRING

- (a) Fully tighten the nut.
Torque: 80 N·m (816 kgf·cm, 59 ft·lbf)

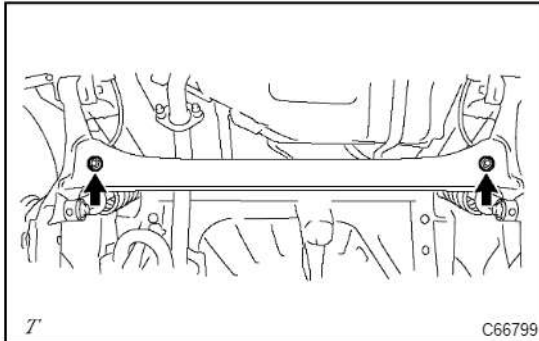
12. INSPECT REAR WHEEL ALIGNMENT(See page 27-3)

STABILIZER BAR REAR REPLACEMENT

2707T-01

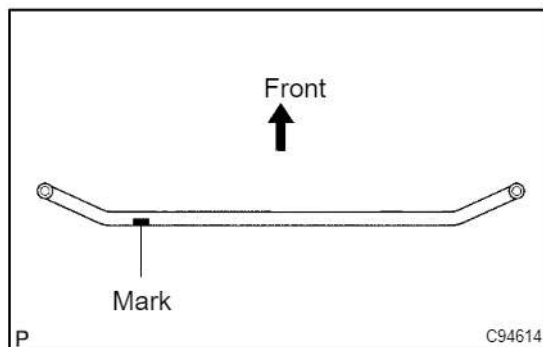
HINT:

COMPONENTS: See page 27-2



1. REMOVE STABILIZER BAR REAR

- (a) Remove the 2 bolts, nuts and stabilizer bar.



2. INSTALL STABILIZER BAR REAR

- (a) Install the 2 bolts, nuts and stabilizer bar.

Torque: 195 N·m (1,990 kgf·cm, 144 ft·lbf)

HINT:

Install the stabilizer bar so that the mark is positioned on the rear right side of the vehicle.

REAR SUSPENSION SYSTEM

2707N-01

PROBLEM SYMPTOMS TABLE

Use the table below to help you find the cause of the problem. The numbers indicate the priority of the likely cause of the problem. Check each part in order. If necessary, replace these parts.

Symptom	Suspect Area	See page
Wander/pulls	1. Tire (Worn or improperly inflated) 2. Wheel alignment (Incorrect) 3. Hub bearing (Worn) 4. Suspension parts (Worn)	28-1 27-3 30-24 –
Bottoming	1. Vehicle (Overloaded) 2. Spring (Weak) 3. Shock absorber (Worn)	– 27-4 27-4
Sways/pitches	1. Tire (Worn or improperly inflated) 2. Stabilizer bar (Bent or broken) 3. Shock absorber (Worn)	28-1 27-13 27-4
Rear wheel shimmy	1. Tire (Worn or improperly inflated) 2. Wheel (Out of balance) 3. Shock absorber (Worn) 4. Wheel alignment (Incorrect)	28-1 28-1 27-4 27-3
Abnormal tire wear	1. Tire (Worn or improperly inflated) 2. Wheel alignment (Incorrect) 3. Shock absorber (Worn) 4. Suspension parts (Worn)	28-1 27-3 27-4 –