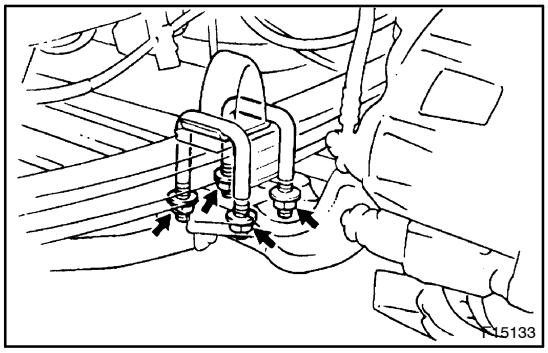
260D3–01

OVERHAUL

1. REMOVE FRONT WHEEL LH

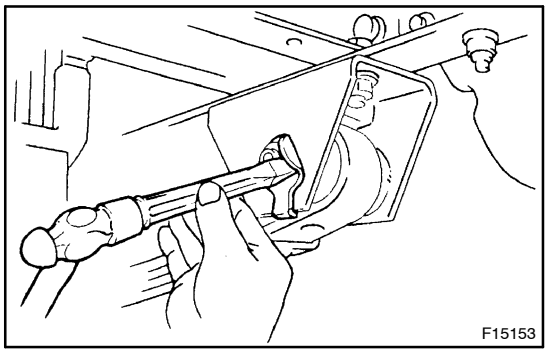
2. REMOVE FRONT SHOCK ABSORBER

3. REMOVE FRONT STABILIZER BAR (W/ STABILIZER)



4. REMOVE U–BOLT

(a) Remove the 4 nuts, shock absorber lower bracket, 2 U–bolts and spring bumper.

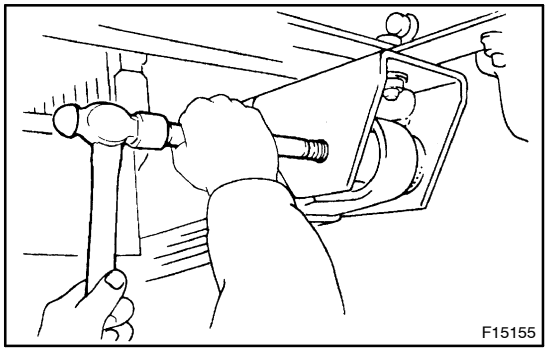


5. REMOVE FRONT SPRING ASSY LH

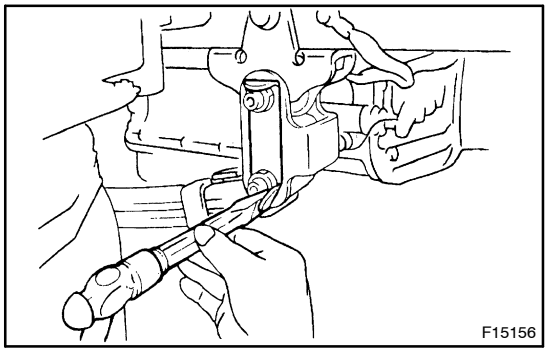
(a) Remove the grease nipples from the spring pins.

(b) Using a chisel and hammer, unlock the lock washer.

(c) Remove the nut and lock washer.

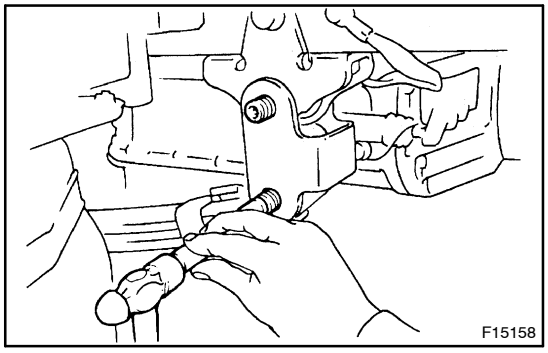


(d) Using a hammer and brass bar, tap out the spring pin.

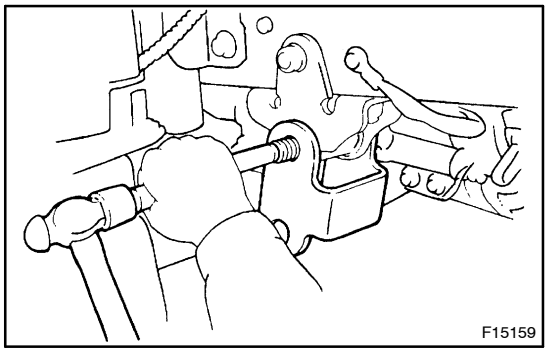


(e) Using a chisel and hammer, unlock the lock plate.

(f) Remove the nut.

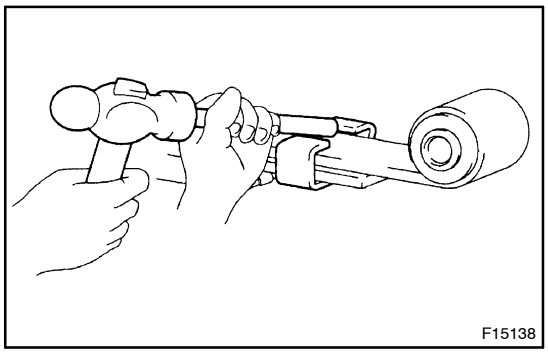


(g) Using a hammer and brass bar, tap out the spring pin, 2 washers and the spring.



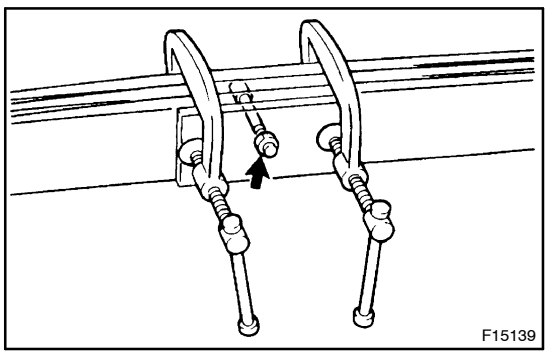
6. REMOVE FRONT SPRING SHACKLE SUB–ASSY NO.1

(a) Remove the nut and lock plate.
(b) Using a hammer and brass bar, tap out the spring pin, 2 washers and the spring shackle.

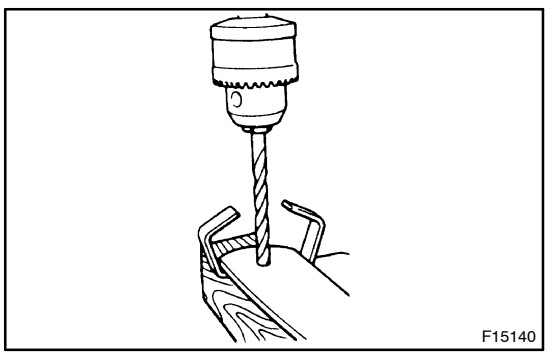


7. DISASSEMBLE FRONT SPRING ASSY LH

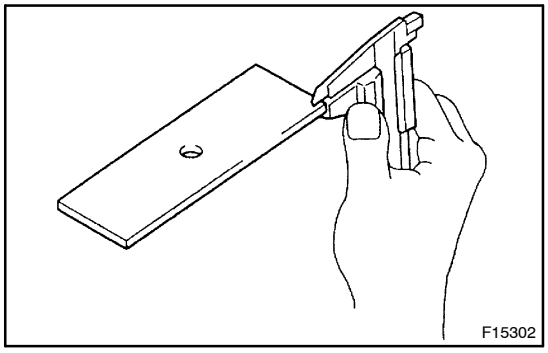
(a) Using a hammer and brass bar, tap out the 2 spring clips.



(b) Fix the spring with a vise, as shown in the illustration.
(c) Remove the nut, center bolt and spacers, inter leafs and springs.



(d) Using a drill, remove the rivet and spring clip.



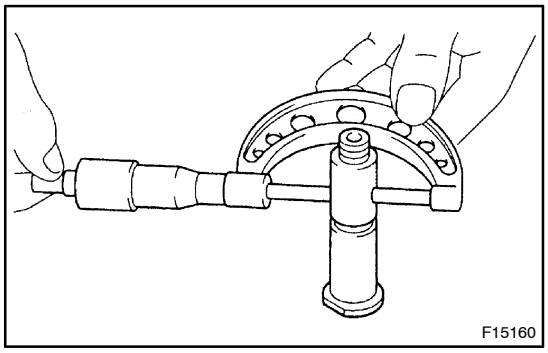
8. INSPECT FRONT SPRING ASSY LH

(a) Using vernier calipers, measure the inter leaf thickness.

Thickness:

Standard	1.0 mm (0.04 in.)
Minimum	0.5 mm (0.02 in.)

If the thickness is less than the minimum, replace the inter leaf.

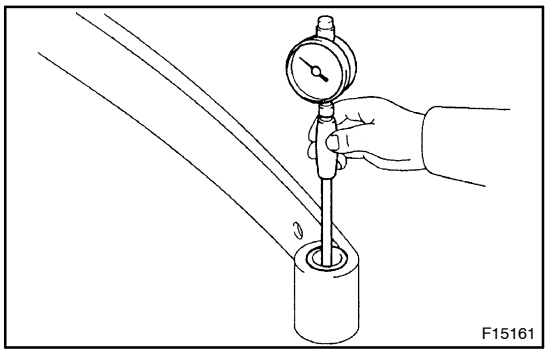


(b) Using a micrometer, measure the the diameter of the spring pin.

Diameter:

Standard	25.0 mm (0.984 in.)
Minimum	24.7 mm (0.972 in.)

If the diameter is less than the minimum, replace the spring pin.



(c) Check the gap between the spring bush and pin.

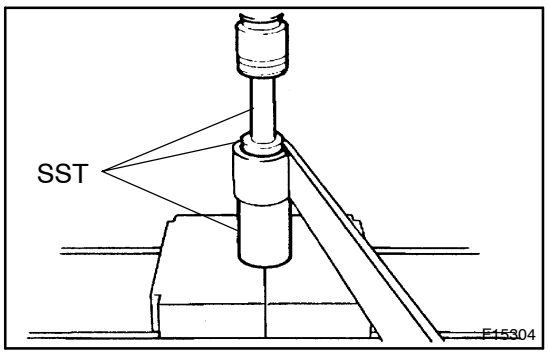
(1) Using a cylinder gauge, measure the inner diameter of the spring bush.

(2) Subtract the the spring pin diameter from the spring bush diameter to obtain the gap.

Gap:

Standard	0.02 – 0.125 mm (0.001 – 0.005 in.)
Maximum	0.50 mm (0.020 in.)

If the gap is greater than the maximum, replace the spring bush and pin.



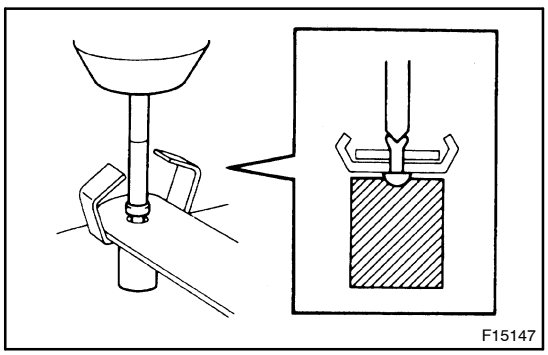
9. REPLACE BUSH

(a) Using SST and a press, press out the bush.

SST 09309–60010, 09950–60010 (09951–00300), 09950–70010 (09951–07100)

(b) Using SST and a press, press in a new bush.

SST 09950–60010 (09951–00300), 09950–70010 (09951–07100)



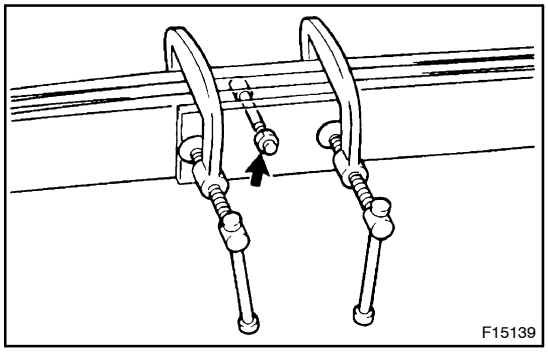
10. ASSEMBLE FRONT SPRING ASSY LH

(a) Install the spring clip with a new rivet.

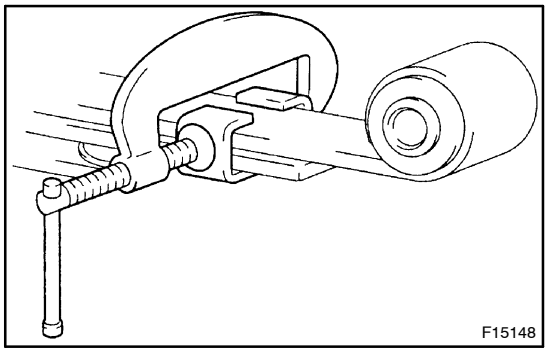
(b) Using a chisel and press, caulk the rivet.

(c) Check that the spring clip is not loose.

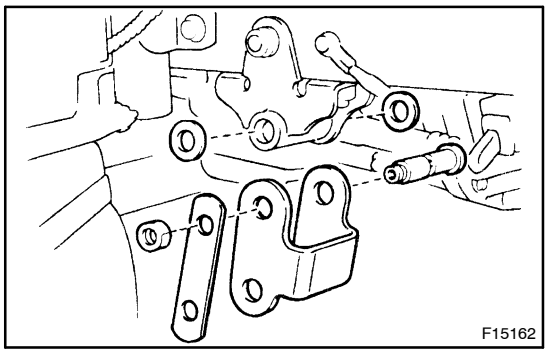
(d) Install the spacers and inter leafs between the springs.



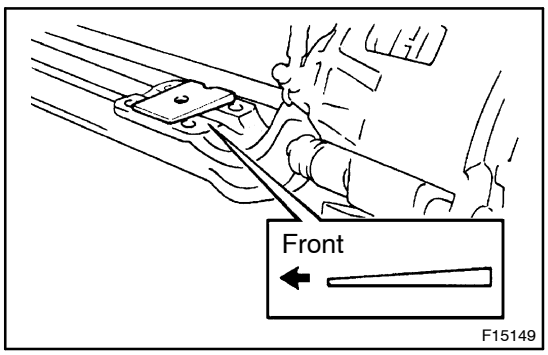
(e) Fix the springs with a vise and install the center bolt and the nut.
Torque: 55 N·m (561 kgf·cm, 41 ft·lbf)



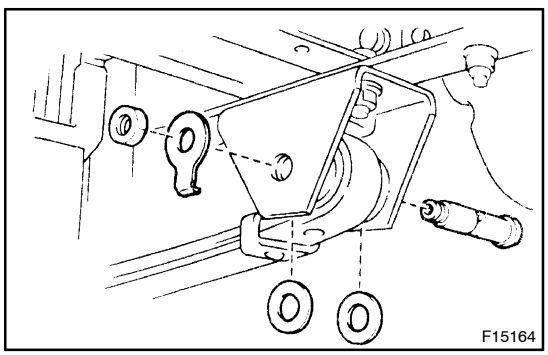
(f) Using a vise, caulk the 2 spring clips.
(g) Check that there is no gap between the spring clip and the spring side.



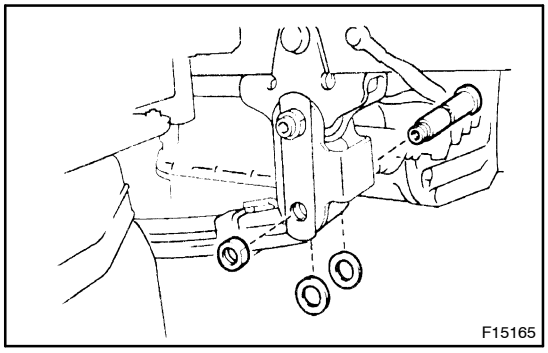
11. INSTALL FRONT SPRING SHACKLE SUB–ASSY NO.1
(a) Apply grease to the spring pin.
Grease: Special grease for Chassis
(b) Install the 2 washers, spring shackle, spring pin, lock plate and nut.



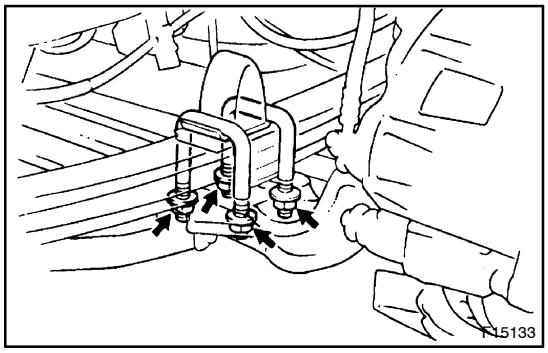
12. INSTALL FRONT SPRING ASSY LH
(a) Install the caster wedge to the I–beam.
(b) Place the spring on the caster wedge.
(c) Apply grease to the spring pins.
Grease: Special grease for Chassis



(d) Install the front side of the spring, 2 washers, spring pin, lock washer and nut.



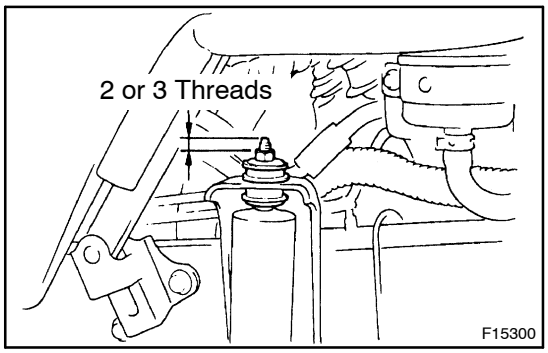
(e) Install the rear side of the spring with the 2 washers, spring pin and nut.
(f) Install the grease nipples to the spring pins.



13. INSTALL U–BOLT

(a) Install the spring bumper, 2 U–bolts and shock absorber lower bracket with the 4 nuts.
Torque: 195 N·m (2,000 kgf·cm, 144 ft·lbf)

14. INSTALL FRONT STABILIZER BAR (W/ STABILIZER)



15. INSTALL FRONT SHOCK ABSORBER

(a) Install the nut so that the projecting length of the bolt corresponds to the specified value.
Projecting length:

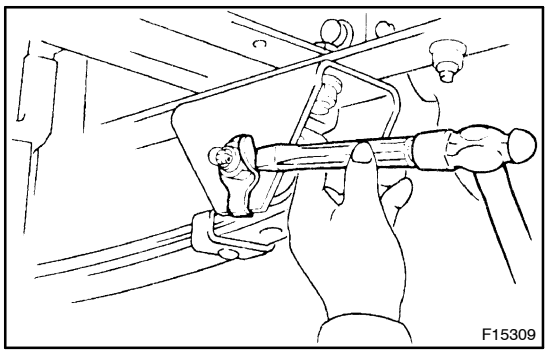
Standard cab models	7 – 9 mm (0.276 – 0.354 in.)
Wide cab models	2 – 3 threads

16. INSTALL FRONT WHEEL LH

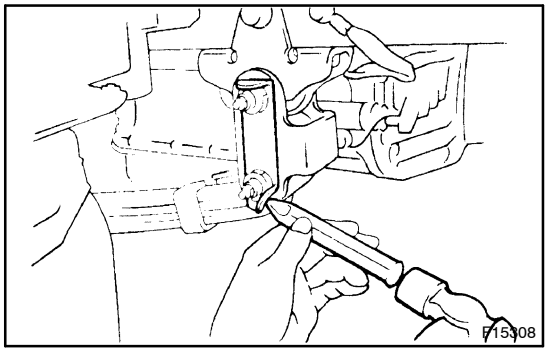
17. TIGHTEN SUSPENSION PART

(a) Rock the vehicle several times up and down to settle the front suspension in unloaded condition.
(b) Tighten the nuts and bolts of the front suspension parts.
Torque:

Part Tightened	N·m	kgf·cm	ft·lbf
Spring pin x Nut	78.5	800	58
Front shock absorber x Shock absorber lower bracket	76	775	56
Stabilizer link x Stabilizer bracket (w/ stabilizer)	17.5	180	13



(c) Using a chisel and hammer, caulk the lock washer.



(d) Using a chisel and hammer, caulk the lock plate.

18. APPLY GREASE

(a) Using a grease gun, apply grease to the spring pins.
Grease: Special grease for Chassis

19. ADJUST FRONT WHEEL ALIGNMENT (See page 26–2)