FRONT SUSPENSION ARM SUB–ASSY LOWER NO.1 LH

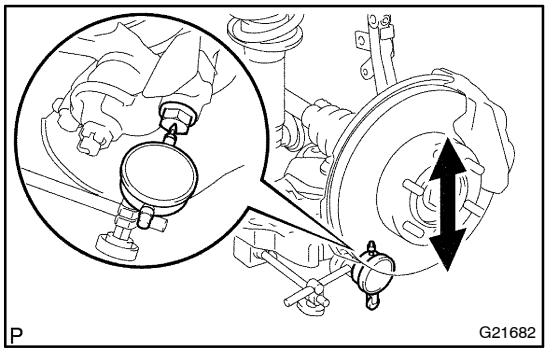
260BL–01

OVERHAUL

HINT:

COMPONENTS: See page 26–2

1. REMOVE FRONT DISC WHEEL



2. INSPECT FRONT SUSPENSION ARM SUB–ASSY LOWER NO.1 LH

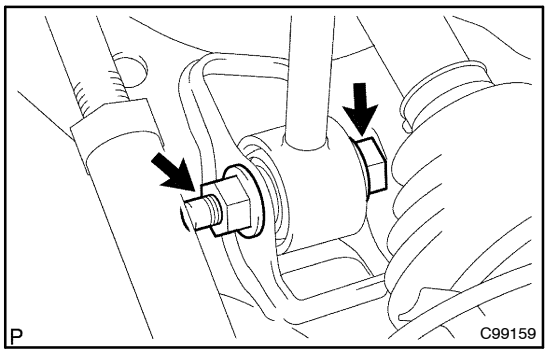
(a) Install the hub nuts to the disc.

(b) Using a dial indicator, check the lower ball joint for excessive play when you push the hub nuts up and down with a force of 294 N (30 kgf,66 lbf).

Maximum: 0.5 mm (0.020 in.)

HINT:

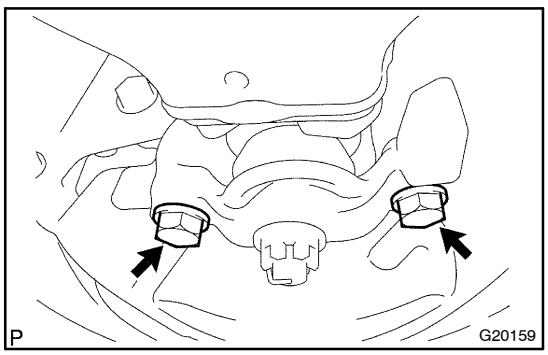
If it is not within the specification, replace the lower arm.



3. SEPARATE FRONT SHOCK ABSORBER WITH COIL SPRING

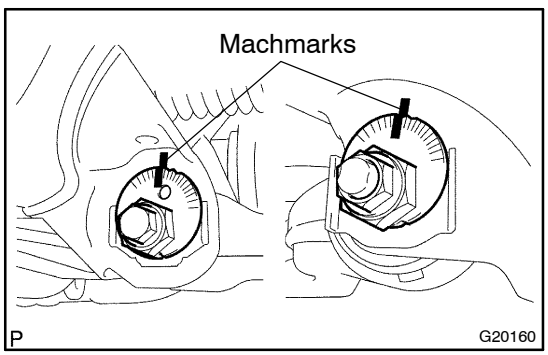
(a) Remove the bolt, nut and washer.

(b) Separate the front shock absorber with coil spring from the suspension lower arm.



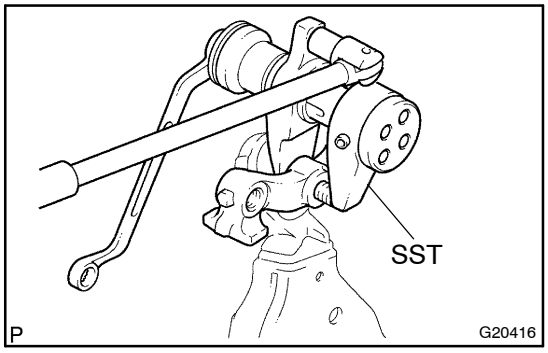
4. REMOVE FRONT SUSPENSION ARM SUB–ASSY LOWER NO.1 LH

(a) Remove the 2 bolts, and separate the front lower ball joint attachment LH from the front axle.



(b) Place matchmarks on the camber adjust cam No.2 and toe adjust cam sub–assy.

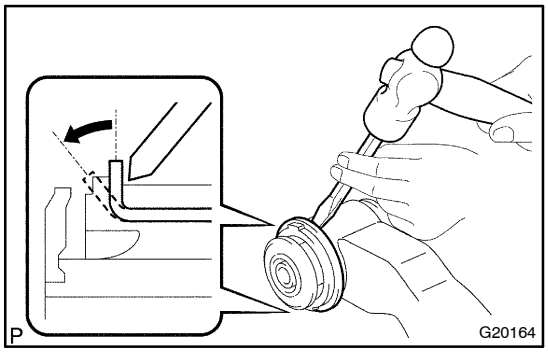
(c) Remove the nut, camber adjust cam No.2, camber adjust cam assy, bolt, toe adjust cam sub–assy, toe adjust plate No.2 and front suspension arm sub–assy lower No.1 LH.



(d) Remove the cotter pin and the nut.

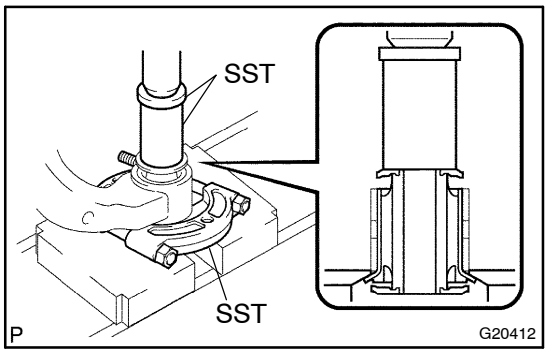
(e) Using SST, remove the front lower ball joint attachment LH.

SST 09628–00011



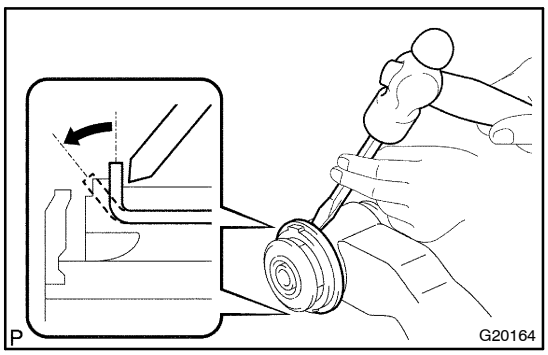
5. REMOVE FRONT LOWER ARM BUSH NO.1 LH

(a) Using a hammer and a chisel, raise the flange of the bushing diagonally as shown in the illustration.



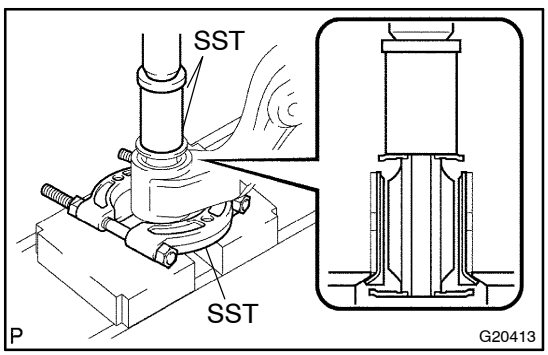
(b) Using SST and a press, remove the lower arm bush No.1 LH.

SST 09632–36010, 09950–00020, 09950–60010 (09951–00400)



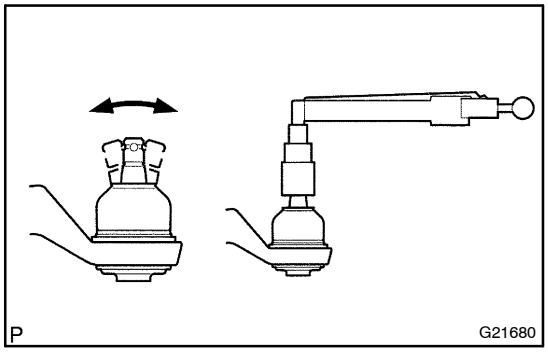
6. REMOVE FRONT LOWER ARM BUSH NO.2 LH

(a) Using a hammer and a chisel, raise the flange of the bushing diagonally as shown in the illustration.



(b) Using SST and a press, remove the lower arm bush No.2 LH.

SST 09632–36010, 09950–00020, 09950–60010 (09951–00400)



7. INSPECT FRONT SUSPENSION ARM SUB–ASSY LOWER NO.1 LH

(a) As shown in the illustration, flip the ball joint stud back and forth 5 times before installing the nut.

(b) Using a troque wrench, turn the nut continuously at a rate of 3 – 5 seconds per 1 turn, and take the torque reading on the 5th turn.

Turning torque: 3.0 N·m (31 kgf·cm, 27 in.·lbf) or less

(c) Check for any cracks and grease leaks on the ball joint dust cover.

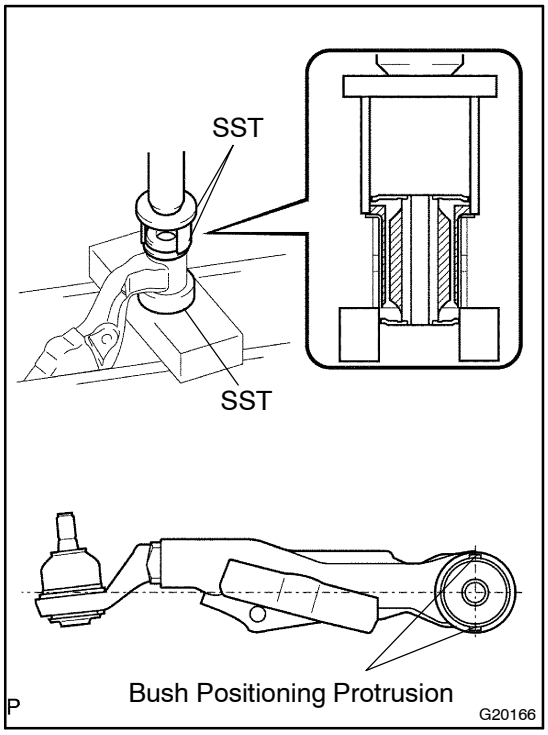
8. INSTALL FRONT LOWER ARM BUSH NO.2 LH

(a) Using SST and a press, install a new lower arm bush No.2 LH.

SST 09710–26010 (09710–05081), 09950–60020 (09951–00890)

NOTICE:

Press the lower arm bush No.2 in the lower arm at the bush positioning protrusions become perpendicular to the lower arm as shown in the illustration.



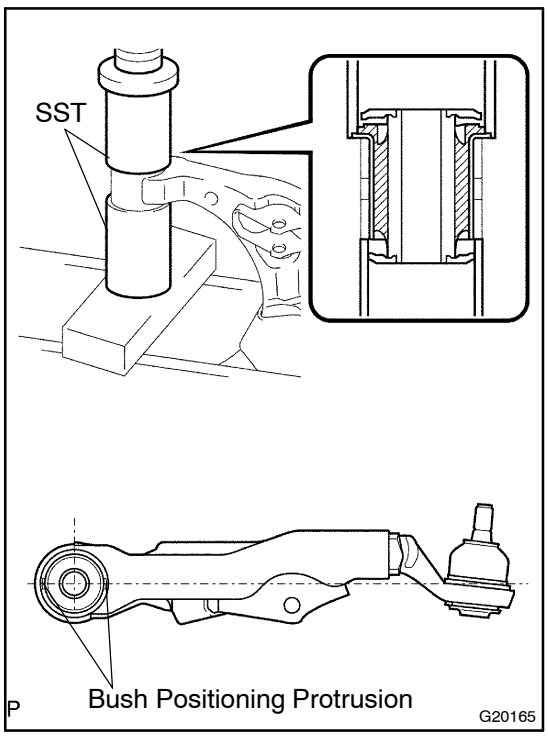
9. INSTALL FRONT LOWER ARM BUSH NO.1 LH

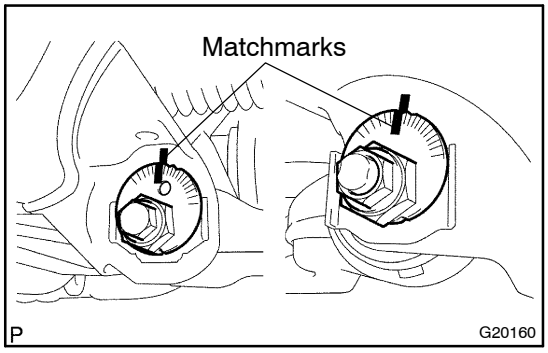
(a) Using SST and a press, install a new lower arm bush No.1 LH.

SST 09223–00010, 09612–30012

NOTICE:

Press the lower arm bush No.1 in the lower arm at the bush positioning protrusions become parallel with the lower arm as shown in the illustration.

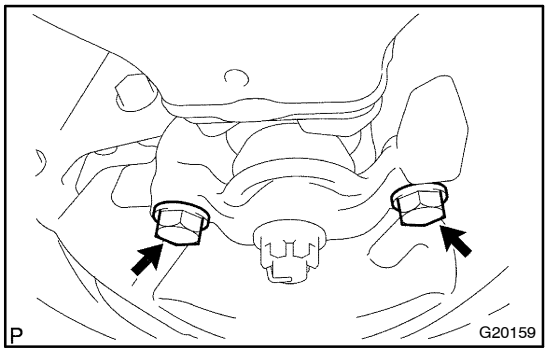




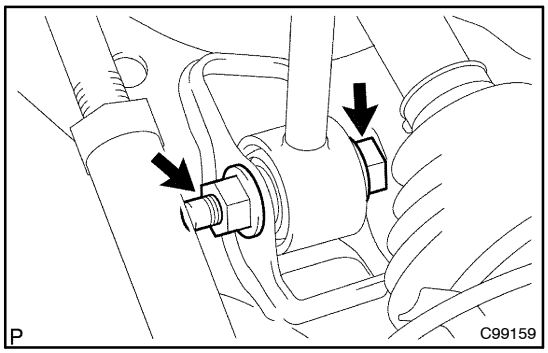
10. TEMPORARILY TIGHTEN FRONT SUSPENSION ARM SUB–ASSY LOWER NO.1 LH

(a) Align the matchmarks on the camber adjust cam No.2 and toe adjust cam sub–assy, temporarily tighten the bolt and the nut.

(b) Install the front lower ball joint attachment LH, a new nut and a new cotter pin.
Torque: 140 N·m (1,430 kgf·cm, 103 ft·lbf)



(c) Install the front lower ball joint attachment LH with the 2 bolts.
Torque: 225 N·m (2,290 kgf·cm, 166 ft·lbf)

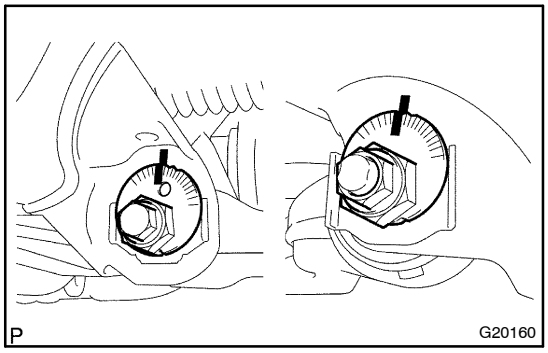


11. TEMPORARILY TIGHTEN FRONT SHOCK ABSORBER WITH COIL SPRING

(a) Install the front shock absorber with coil spring, the bolt and the washer, and temporarily tighten the nut.

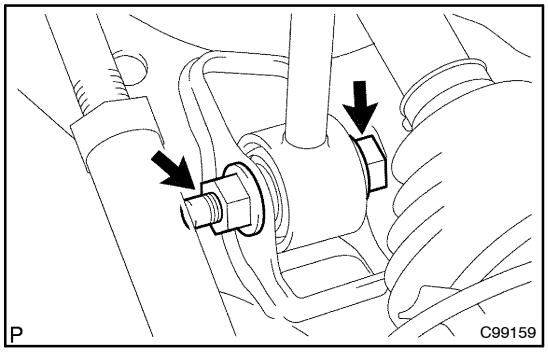
12. INSTALL FRONT DISC WHEEL
Torque: 112 N·m (1,140 kgf·cm, 83 ft·lbf)

13. STABILIZE SUSPENSION (See page 26–12)



14. FULLY TIGHTEN FRONT SUSPENSION ARM SUB–ASSY LOWER NO.1 LH

(a) Fully tighten the bolt and the nut.
Torque: 135 N·m (1,380 kgf·cm, 100 ft·lbf)



15. FULLY TIGHTEN FRONT SHOCK ABSORBER WITH COIL SPRING

(a) Fully tighten the nut.

Torque: 135 N·m (1,380 kgf·cm, 100 ft·lbf)

16. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT (See page 26–6)