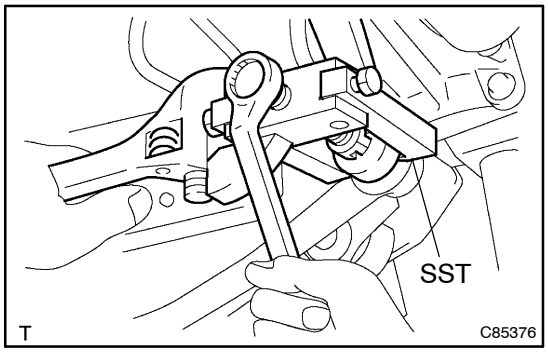
510CZ–01

OVERHAUL

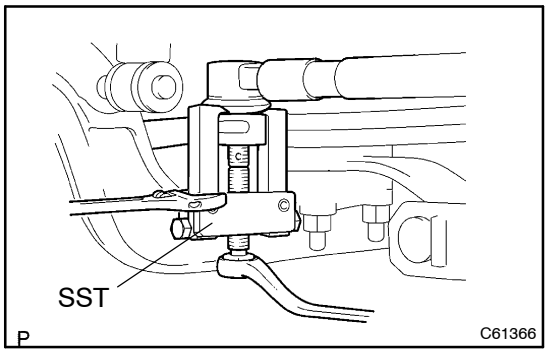
1. TILT UP CAB



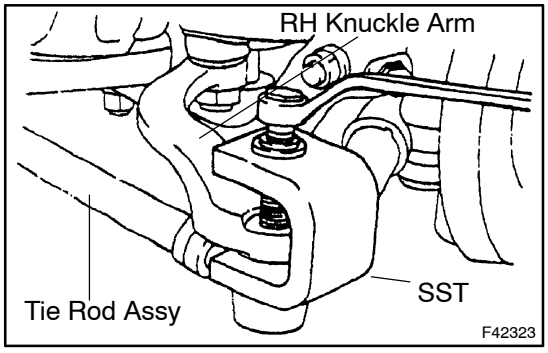
2. REMOVE STEERING DRAG LINK ASSY

(a) Remove the 2 cotter pins and 2 nuts.

(b) Using SST, disconnect the drag link from the pitman arm.
SST 09628–62011



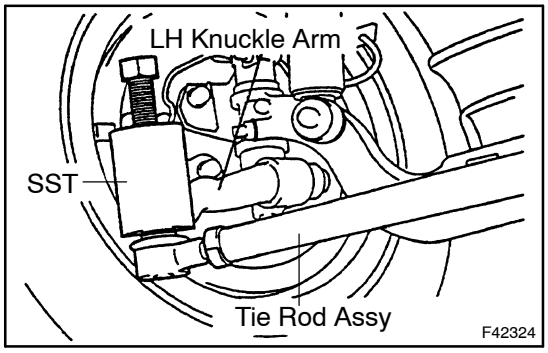
(c) Using SST, disconnect the drag link from the knuckle arm.
SST 09628–62011



3. REMOVE TIE ROD ASSY

(a) Remove the 2 cotter pins and 2 nuts.

(b) Using SST, disconnect the tie rod from the knuckle arm RH.
SST 09628–00011, 09611–36020



(c) Remove the 2 cotter pins and 2 nuts.

(d) Using SST, disconnect the tie rod from the knuckle arm LH.
SST 09628–00011, 09611–36020

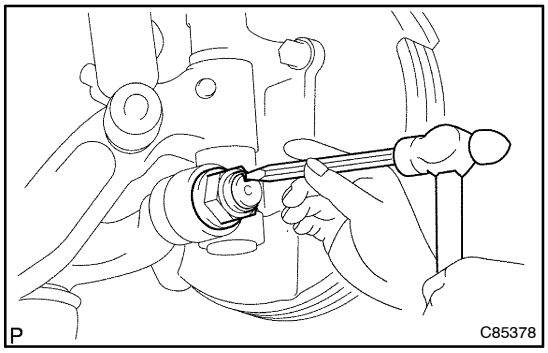
4. REMOVE TIE ROD END SUB–ASSY LH

(a) Loosen the lock nut.

(b) Remove the tie rod end and lock nut from the tie rod.

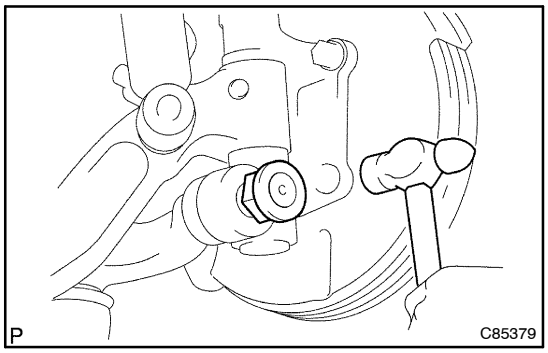
5. REMOVE TIE ROD END SUB–ASSY RH

HINT:
Use same procedures described above for the LH side.



6. REMOVE STEERING KNUCKLE ARM LH

(a) Using a hammer and a chisel, unstake the lock nut.
(b) Remove the lock nut.

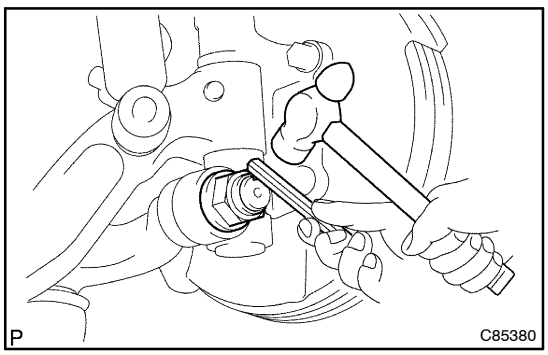


(c) Using a hammer, tap out the knuckle arm from the steering knuckle.
(d) Remove the woodruff key from the knuckle arm.

NOTICE:
Be careful not to damage the thread of the knuckle arm.

7. REMOVE STEERING KNUCKLE ARM RH

HINT:
Use same procedures described above for the LH side.

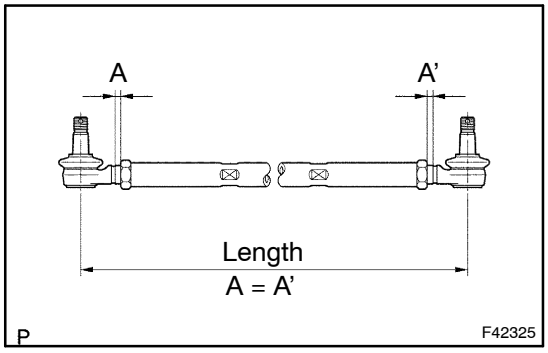


8. INSTALL STEERING KNUCKLE ARM LH

(a) Install the woodruff key to the knuckle arm.
(b) Install the knuckle arm to the steering knuckle.
(c) Tighten the new lock nut.
Torque: 390 N·m (3,977 kgf·cm, 288 ft·lbf)
(d) Using a hammer and a chisel, stake the lock nut.

9. INSTALL STEERING KNUCKLE ARM RH

HINT:
Use the same procedures described above for the LH side.



10. INSTALL TIE ROD END SUB–ASSY LH

(a) Screw the tie rod ends and lock nuts into the both ends of the tie rod by an equivalent amount.

(b) Adjust the length of the tie rod end sub–assy.
Length: 1,159 mm (45.63 in.)

(c) Temporarily tighten the lock nuts.

(d) After toe–in adjustment, tighten the lock nut.
Torque: 137 N·m (1,397 kgf·cm, 101 ft·lbf)

11. INSTALL TIE ROD END SUB–ASSY RH

HINT:

Use the same procedures described above for the LH side.

12. INSTALL TIE ROD ASSY

(a) Install the tie rod to the right and left knuckle arm, then install the 2 nuts.
Torque: 150 N·m (1,530 kgf·cm,111 ft·lbf)

13. INSTALL STEERING DRAG LINK ASSY

(a) Install the drag link to the knuckle arm and steering pitman arm, then install the 2 nuts.
Torque: 150 N·m (1,530 kgf·cm,111 ft·lbf)

(b) Install 2 new cotter pins.

14. INSPECT STEERING WHEEL CENTER POINT

15. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT

16. TILT DOWN CAB