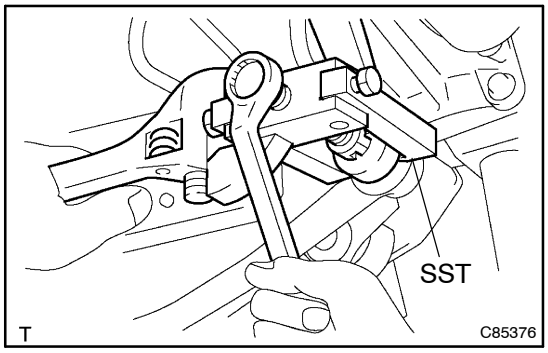
OVERHAUL

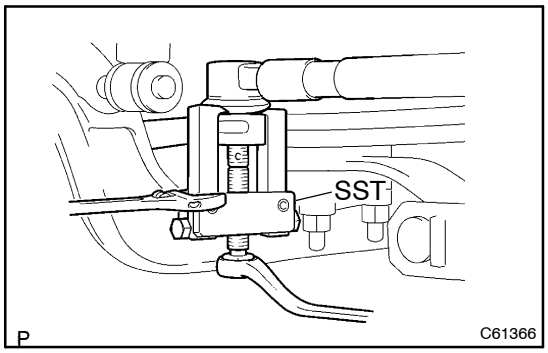
1. TILT UP CAB



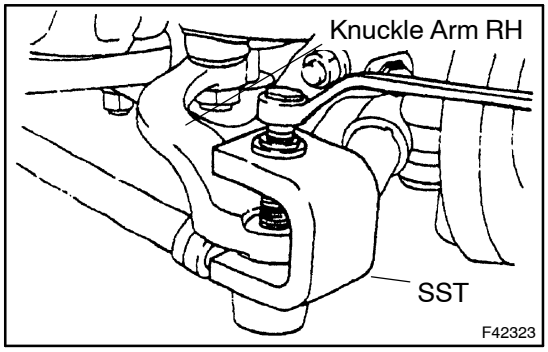
2. REMOVE STEERING DRAG LINK ASSY

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

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



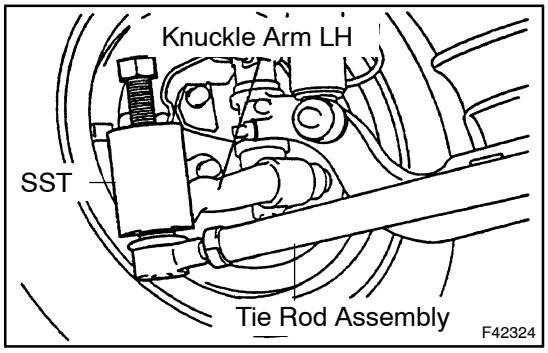
(c) Using SST, disconnect the drag link from the knuckle arm.
SST 09628–62011



3. REMOVE TIE ROD ASSY

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

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



(c) Using SST, disconnect the tie rod from the knuckle arm LH.
SST 09610–20012

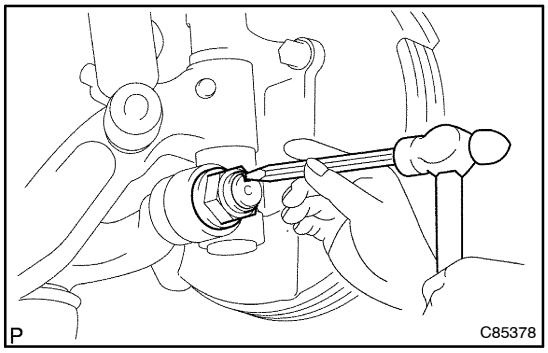
4. REMOVE TIE ROD END SUB–ASSY LH

(a) Loosen the lock nut.

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

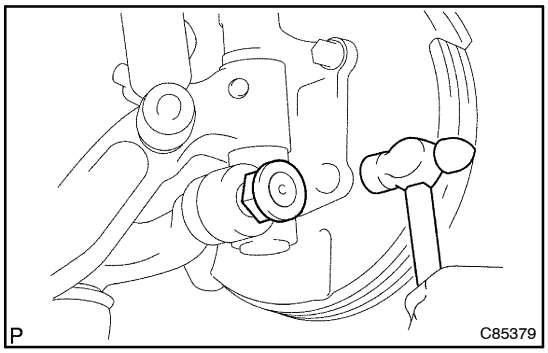
5. REMOVE TIE ROD END SUB–ASSY RH

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



6. REMOVE STEERING KNUCKLE ARM LH

(a) Using a hammer and a chisel, unstake the lock nut.
(b) Using a socket wrench (32 mm), remove the lock nut.

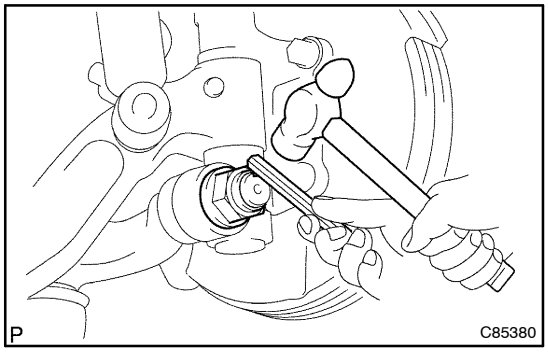


(c) Using a hammer, remove the knuckle arm from the steering knuckle.
(d) Remove the woodruff key from the knuckle arm.

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

7. REMOVE STEERING KNUCKLE ARM RH

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

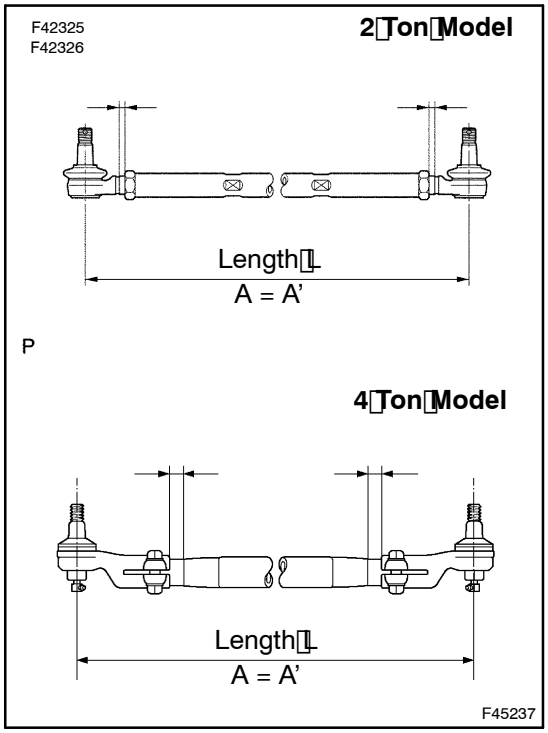


8. INSTALL STEERING KNUCKLE ARM LH

(a) Install the woodruff key to the knuckle arm.
(b) Install the knuckle arm to the steering knuckle.
(c) Using a socket wrench (32 mm), tighten the new lock nut.
Torque:
4 ton model: 685 N·m (7,000 kgf·cm, 506 ft·lbf)
2 ton model: 392 N·m (4,000 kgf·cm, 288 ft·lbf)
(d) Using a hammer and a chisel, stake the lock nut.

9. INSTALL STEERING KNUCKLE ARM RH

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



10. INSTALL TIE ROD END SUB–ASSY LH

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

(b) Adjust the length of the tie rod assy.

Length:

4 ton model	1,435 mm (56.50 in.)
2 ton model	1,425 mm (56.10 in.)

(c) Temporarily tighten the tie rod end lock nuts or clamp bolts.

(d) After toe–in adjustment, torque the lock nut or clamp bolt.

Torque:

4 ton model: 195 N·m (2,000 kgf·cm, 145 ft·lbf)

2 ton model: 150 N·m (1,530 kgf·cm, 111 ft·lbf)

11. INSTALL TIE ROD END SUB–ASSY RH

HINT:

Install the RH side by the same procedures with 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:

4 ton model: 195 N·m (2,000 kgf·cm, 145 ft·lbf)

2 ton model: 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 knuckle, then install the 2 nuts.

Torque:

4 ton model: 195 N·m (2,000 kgf·cm, 145 ft·lbf)

2 ton model: 150 N·m (1,530 kgf·cm, 111 ft·lbf)

(b) Install new 2 cotter pins.

14. INSPECT STEERING WHEEL CENTER POINT

15. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT (See page 26–2)

16. TILT DOWN CAB