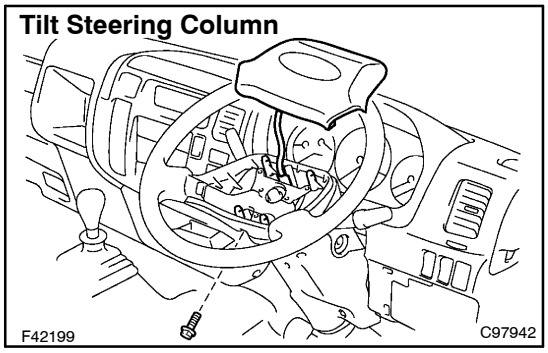
5004S–02

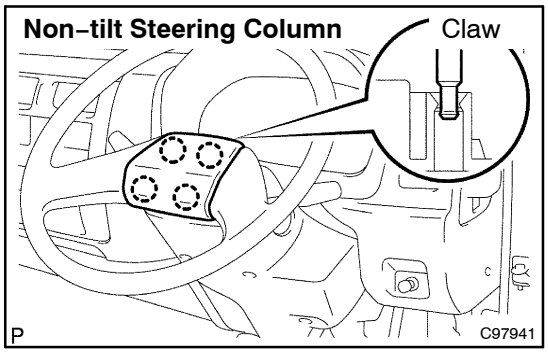
OVERHAUL

1. PRECAUTION (See page 50–1)
2. DISCONNECT BATTERY NEGATIVE TERMINAL
3. PLACE FRONT WHEELS FACING STRAIGHT AHEAD

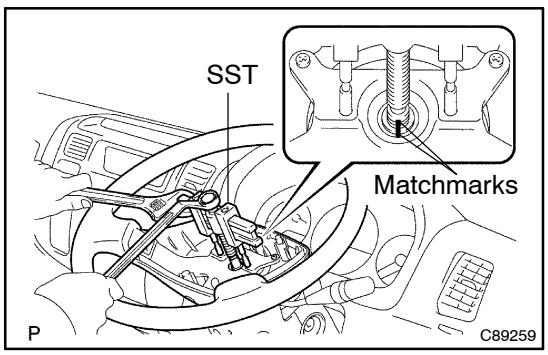


4. REMOVE HORN BUTTON ASSY

(a) Tilt steering column:
Remove the horn button.
(1) Remove the screw.
(2) Disconnect the horn button from the steering wheel.
(3) Disconnect the horn button connector, and remove the horn button.

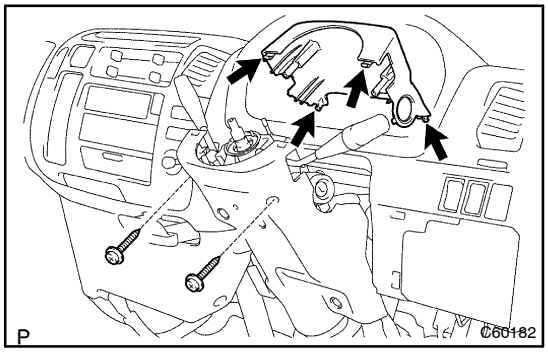


(b) Non–tilt steering column:
Remove the horn button.
(1) Disengage the 4 claws by pulling the horn button, and disconnect the horn button from the steering wheel.
(2) Disconnect the horn button connector, and remove the horn button.



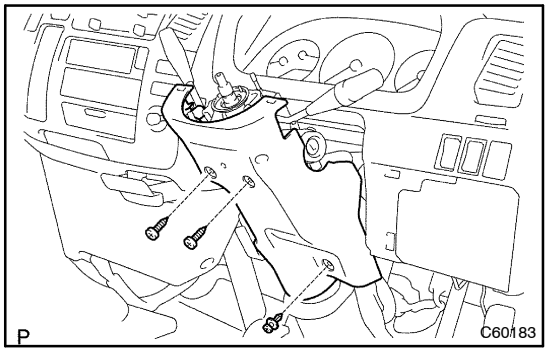
5. REMOVE STEERING WHEEL ASSY

(a) Remove the steering wheel set nut.
(b) Place matchmarks on the steering wheel and main shaft.
(c) Using SST, remove the steering wheel.
SST 09950–50013 (09951–05010, 09952–05010, 09953–05010, 09954–05021)



6. REMOVE STEERING COLUMN COVER UPR

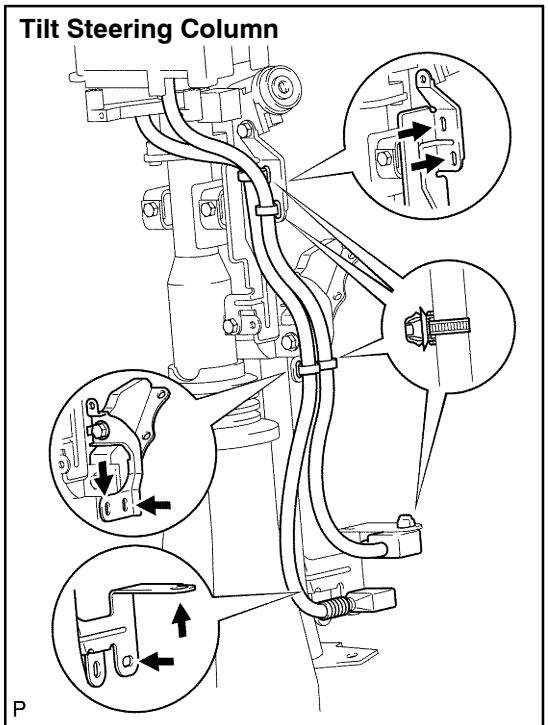
(a) Remove the 2 screws.
(b) Disengage the 4 claws from the column cover LWR, and remove the column cover UPR.



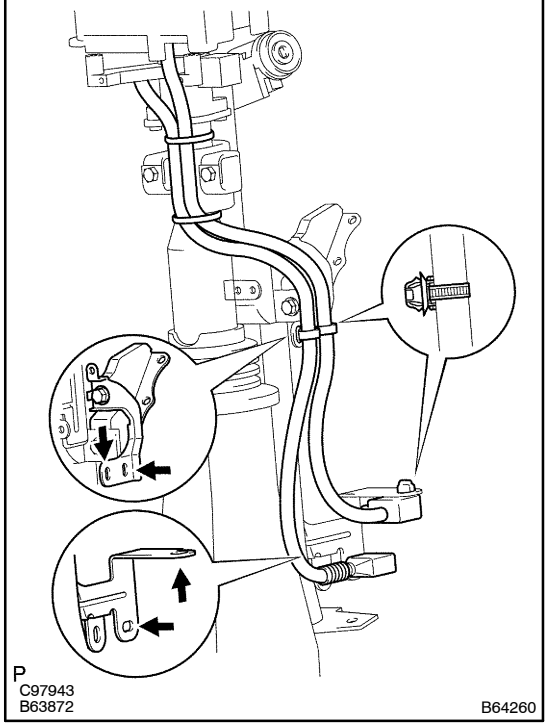
7. REMOVE STEERING COLUMN COVER LWR

(a) Remove the clip, 2 screws and column cover.

Tilt Steering Column

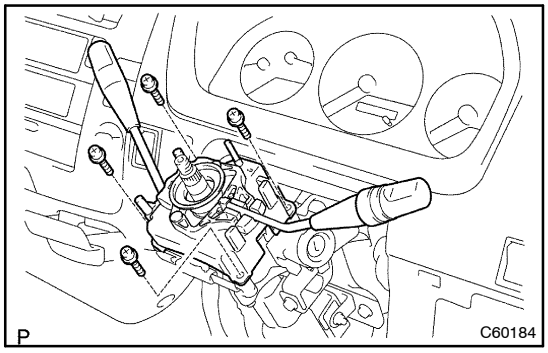


Non–tilt Steering Column



8. REMOVE TURN SIGNAL SWITCH ASSY

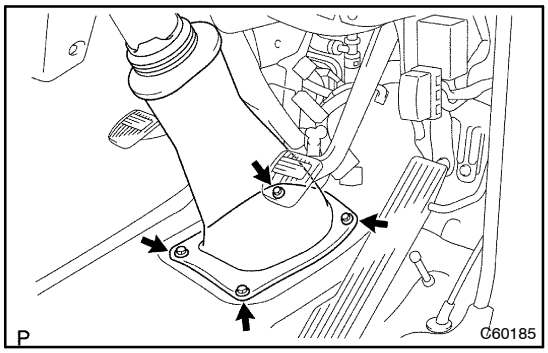
(a) Disconnect the 2 turn signal switch assy connectors.
(b) Remove the 2 connector clamps from the brackets.
(c) Remove the 4 wire harness clamps from the brackets.



(d) Remove the 4 screws and turn signal switch.

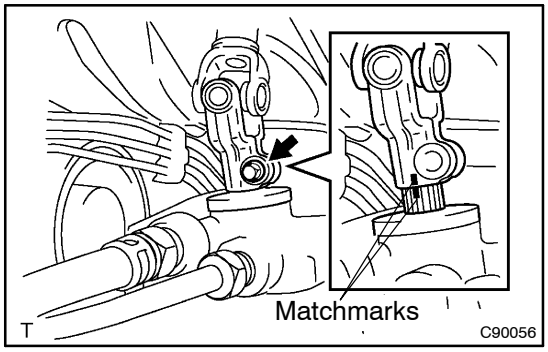
9. REMOVE FRONT DOOR SCUFF PLATE RH

(a) Remove the 4 screws and scuff plate.



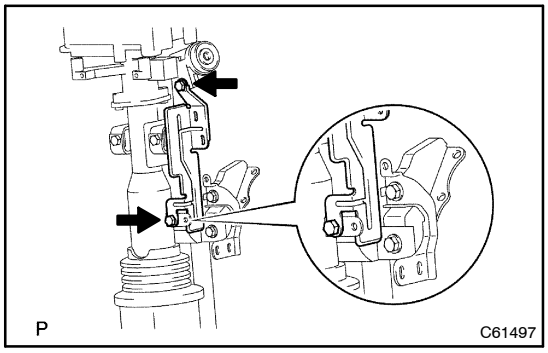
10. DISCONNECT STEERING MAIN SHAFT ASSY

(a) Remove the 4 bolts.



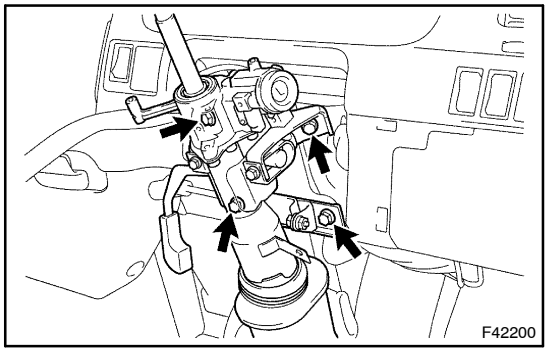
(b) Place matchmarks on the main shaft and steering gear.

(c) Disconnect the main shaft by lifting the main shaft from the steering gear.



11. REMOVE STEERING COLUMN ASSY

(a) Remove the 2 bolts and clamp bracket.

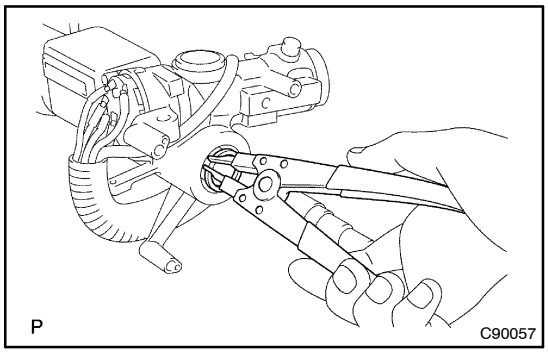


(b) Remove the 4 set bolts and steering column.

12. REMOVE STEERING COLUMN TUBE LOWER

13. REMOVE STEERING COLUMN TUBE COVER

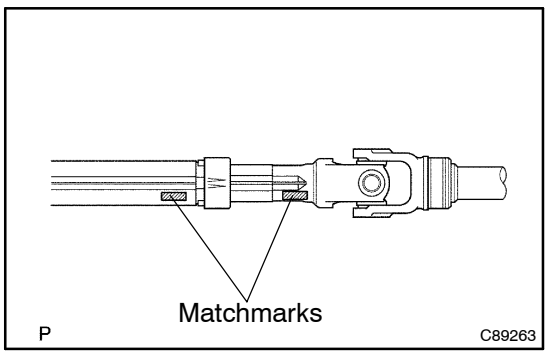
14. REMOVE MAIN SHAFT LOWER DUST COVER



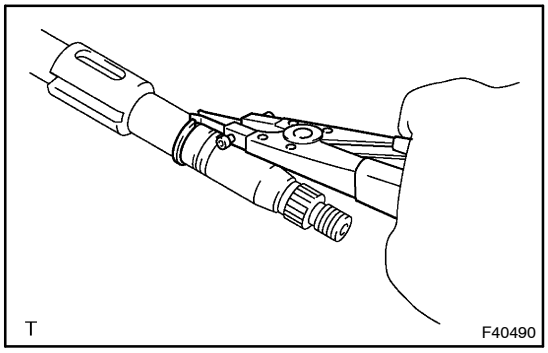
15. REMOVE STEERING MAIN SHAFT ASSY

(a) Using snap ring pliers, remove the sliding yoke snap ring (outer side).

(b) Pull out the main shaft and intermediate shaft from the column tube upper.

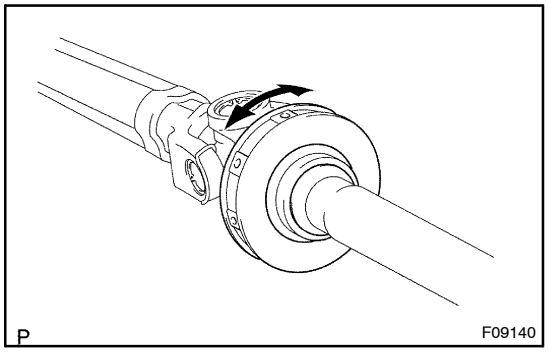


(c) Place the matchmarks on the intermediate shaft and sliding yoke.



(d) Using snap ring pliers, remove the sliding yoke snap ring (inner side).

(e) Remove the intermediate shaft from the sliding yoke.

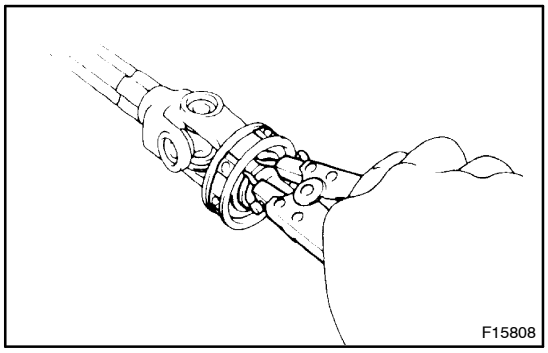


16. INSPECT BEARING BLOCK

(a) Check the rotating condition of the bearing block of the intermediate shaft, and check for abnormal noise.

If necessary, replace the bearing block.

(b) Coat the bearing with molybdenum disulfide lithium base grease.

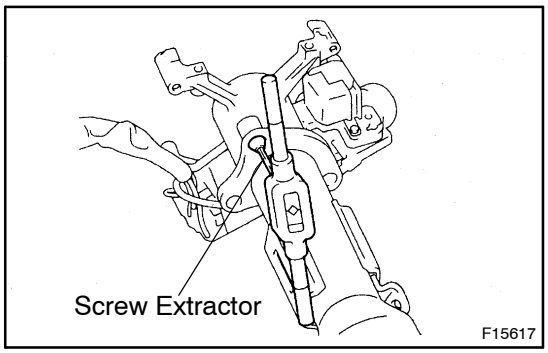


17. REMOVE BEARING BLOCK

(a) Remove the steering column No. 1 ring.

(b) Using snap ring pliers, remove the snap ring from the sliding yoke.

(c) Remove the bearing block.



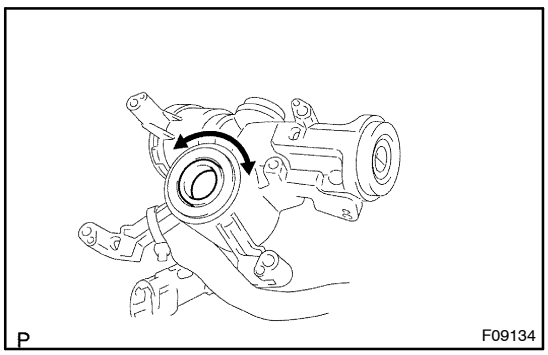
18. REMOVE STEERING COLUMN UPPER BRACKET W/ SWITCH

(a) Using a centering punch, mark the center of the tapered–head bolt.

(b) Using a 3 – 4 mm (0.12 – 0.16 in.) drill, drill the bolt.

(c) Using a screw extractor, remove the bolt.

(d) Remove the 2 bolts and column upper bracket from the column upper tube.

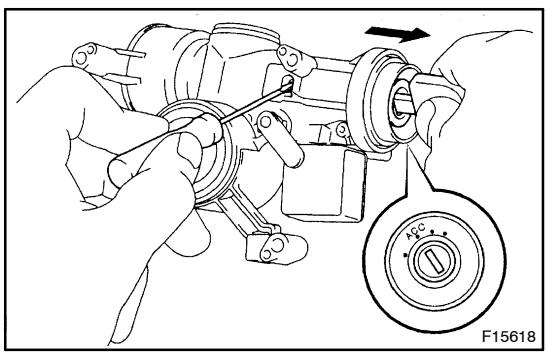


19. INSPECT STEERING COLUMN UPPER BRACKET W/ SWITCH

(a) Check the rotating condition and check of the bearing for abnormal noise.

If the bearing is worn or damaged, replace the column upper bracket.

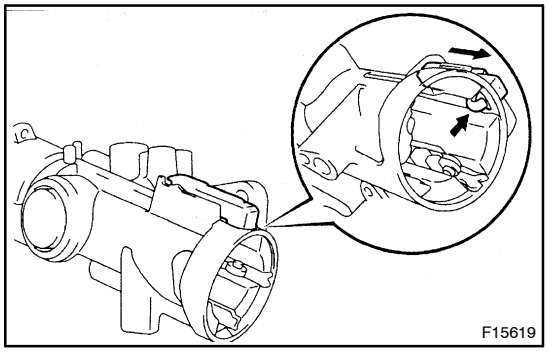
(b) Coat the bearing with molybdenum disulfide lithium base grease.



20. REMOVE IGNITION SWITCH LOCK CYLINDER ASSY

(a) Turn the key to the ACC position.

(b) Using a screwdriver, push down the stop pin of the cylinder, and pull out the lock cylinder.



21. REMOVE IGNITION OR STARTER SWITCH ASSY

(a) Remove the key unlock warning switch by pushing the claw, as shown in the illustration.

(b) Remove the screw and ignition switch.

22. INSTALL IGNITION OR STARTER SWITCH ASSY

(a) Install the ignition switch with the screw.

(b) Install the key unlock warning switch.

23. INSTALL IGNITION SWITCH LOCK CYLINDER ASSY

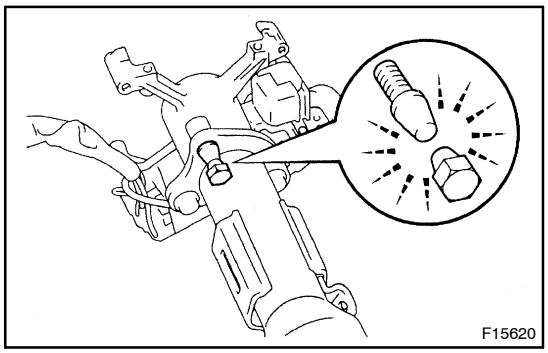
HINT:

Make sure that the key is at the ACC position.

24. INSPECT STEERING LOCK OPERATION

(a) Check that the steering lock mechanism is activated when removing the key.

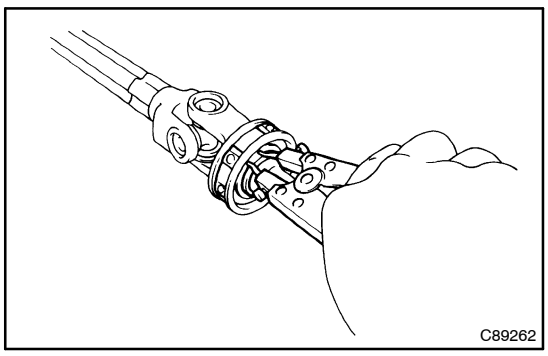
(b) Check that the lock mechanism is deactivated when inserting the key and turning to the ACC position.



25. INSTALL STEERING COLUMN UPPER BRACKET W/ SWITCH

(a) Install the column upper bracket assy with the 2 bolts.
Torque: 7.0 N·m (71 kgf·cm, 62 in.·lbf)

(b) Install a new tapered–head bolt, and tighten the tapered–head bolt until the bolt head breaks off.



26. INSTALL BEARING BLOCK

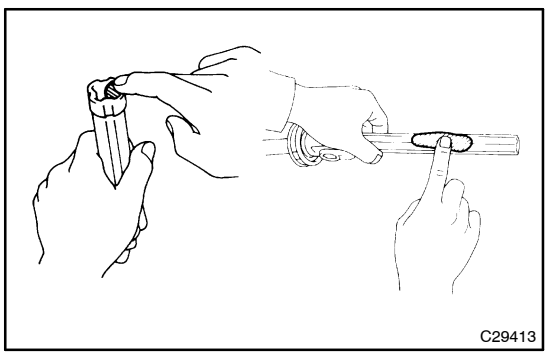
(a) Install the bearing block.

(b) Using snap ring pliers, install a new shaft ring to the main shaft assy.

(c) Install the column No. 1 ring to the bearing block.

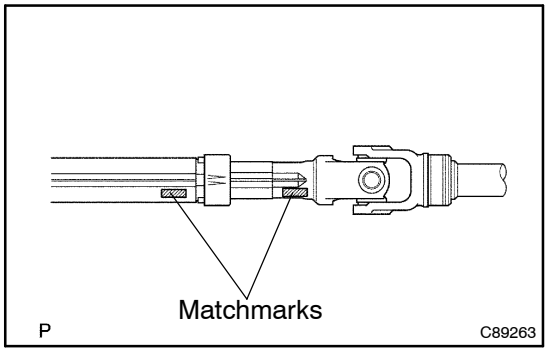
NOTICE:

- **Do not expand the shaft ring excessively.**
- **Position the shaft ring into the groove securely.**

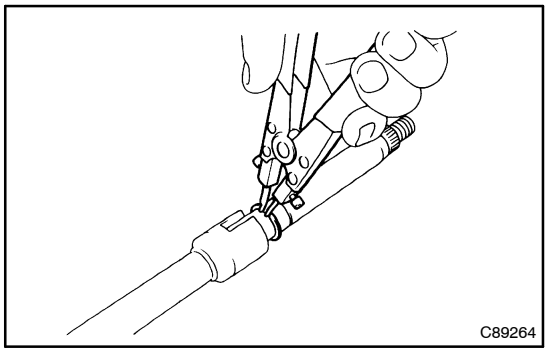


27. INSTALL STEERING MAIN SHAFT ASSY

(a) Apply chassis grease to the oil seal of the intermediate shaft and spline of the sliding yoke.



(b) Align the matchmarks on the intermediate shaft and the sliding yoke.
(c) Check that the intermediate shaft can slide smoothly.

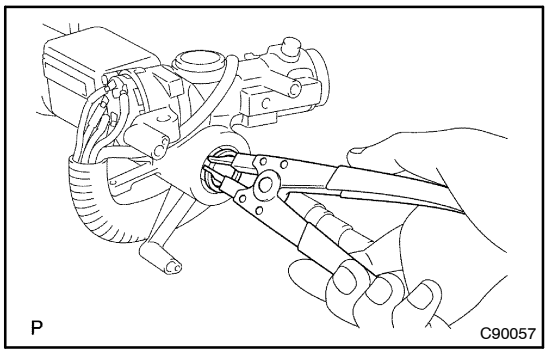


(d) Using snap ring pliers, install a new sliding yoke shaft snap ring (inner side) to the sliding yoke.

NOTICE:
- **Do not damage the sliding yoke.**
- **Do not expand the snap ring excessively.**
- **Position the snap ring into the groove securely.**

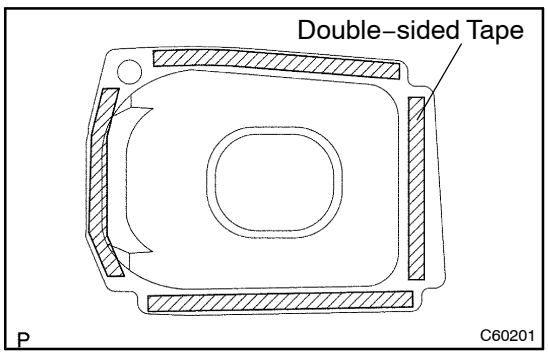
(e) Install the main shaft assy to the column upper tube.

NOTICE:
Do not damage the column tube cover.



(f) Using snap ring pliers, install a new sliding yoke snap ring (outer side) to the sliding yoke.

NOTICE:
- **Do not damage the sliding yoke.**
- **Do not expand the snap ring excessively.**
- **Position the snap ring into the groove securely.**



28. INSTALL MAIN SHAFT LOWER DUST COVER

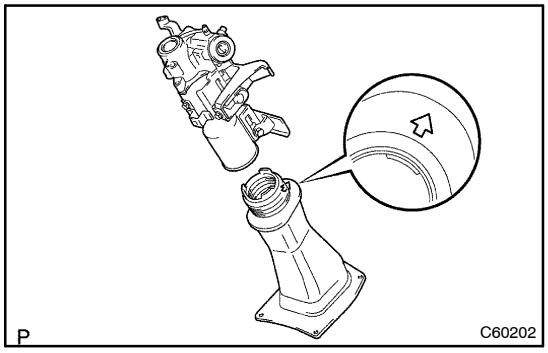
(a) Apply double–sided tape to dust cover, as shown in the illustration.

NOTICE:
Be sure that foreign objects do not stick to the contact surface.

(b) Install the lower dust cover to the column tube lower.

29. INSTALL STEERING COLUMN TUBE LOWER

(a) Install the column tube lower to the column tube cover.

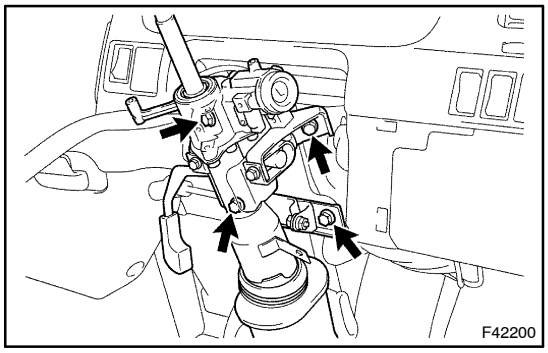


30. INSTALL STEERING COLUMN TUBE COVER

(a) Install the column tube cover.

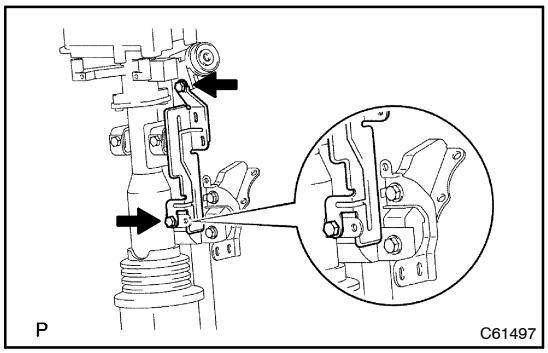
NOTICE:

Place the arrow mark so that it faces the vehicle front side.

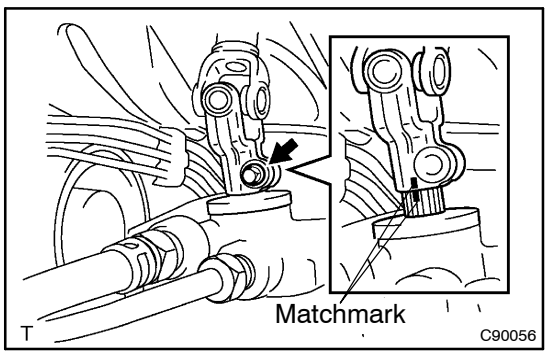


31. INSTALL STEERING COLUMN ASSY

(a) Install the steering column assy with the 4 bolts.
Torque: 11.5 N·m (117 kgf·cm, 9 ft·lbf)



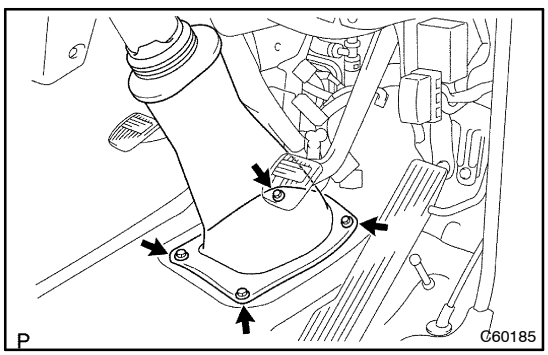
(b) Install the clamp bracket with the 2 bolts.



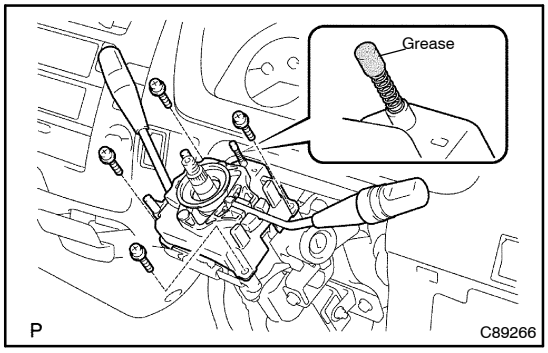
32. CONNECT STEERING MAIN SHAFT ASSY

(a) Align the matchmarks on the intermediate shaft and steering gear.

(b) Install the bolt.
Torque: 35 N·m (357 kgf·cm, 26 ft·lbf)



(c) Install the steering column tube lower with the 4 bolts.
Torque: 8 N·m (82 kgf·cm, 71 in.·lbf)

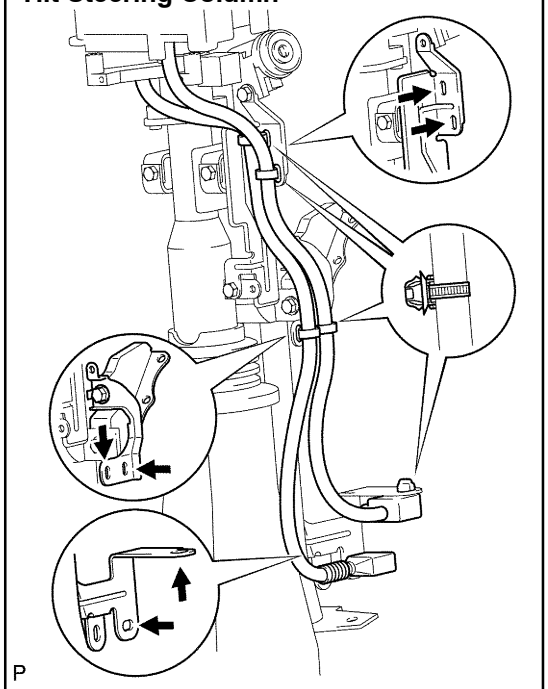


33. INSTALL TURN SIGNAL SWITCH ASSY

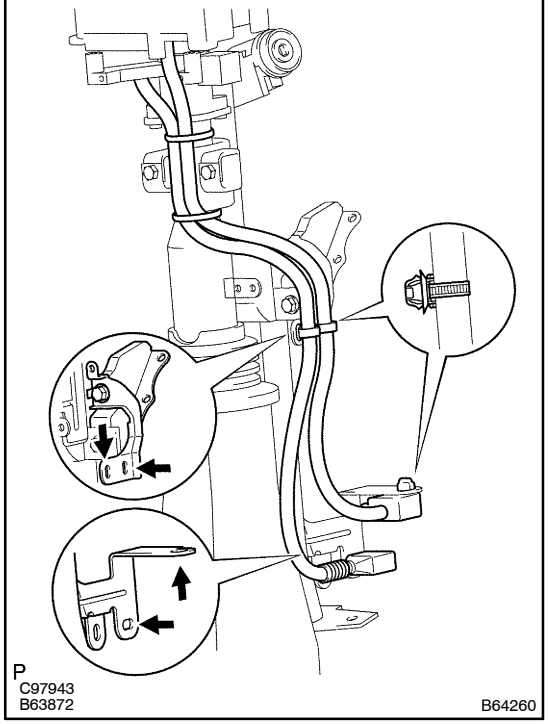
(a) Install the turn signal switch with the 4 screws.

(b) Apply lithium soap base glycol grease to the horn contact surface.

Tilt Steering Column



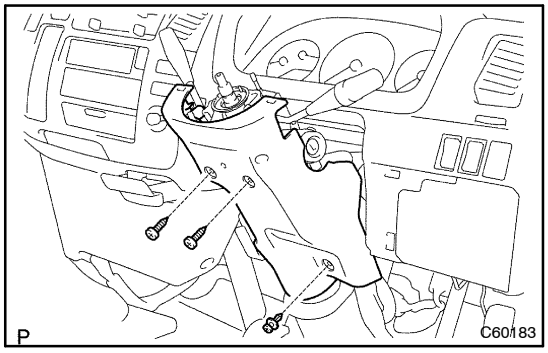
Non–tilt Steering Column



(c) Install the 4 wire harness clamps to the brackets.

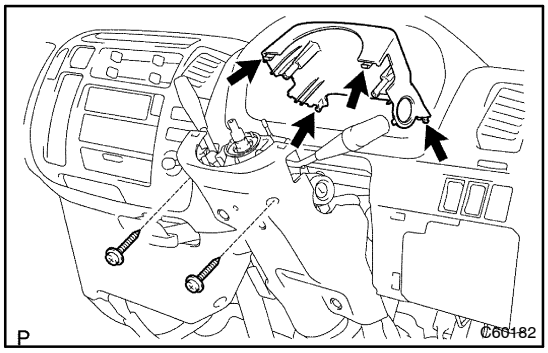
(d) Install the 2 connector clamps to the brackets.

(e) Connect the 2 turn signal switch connectors.



34. INSTALL STEERING COLUMN COVER LWR

(a) Install the column cover with the clip and 2 screws.



35. INSTALL STEERING COLUMN COVER UPR

(a) Engage the 4 claws to the column cover LWR.

(b) Install the column cover UPR with the 2 screws.

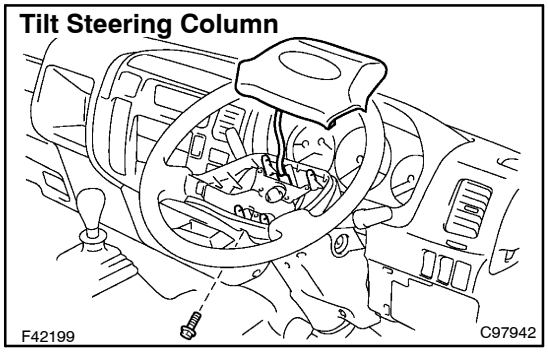
36. PLACE FRONT WHEELS FACING STRAIGHT AHEAD

37. INSTALL STEERING WHEEL ASSY

(a) Align the matchmarks on the steering wheel and steering main shaft.

(b) Install the steering wheel set nut.

Torque: 50 N·m (510 kgf·cm, 37 ft·lbf)



38. INSTALL HORN BUTTON ASSY

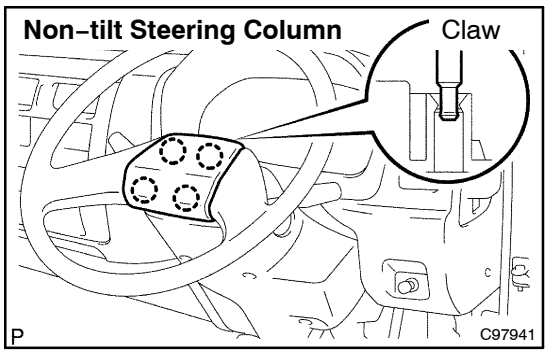
(a) Tilt steering column:

Install the horn button.

(1) Connect the horn button connector.

(2) Install the horn button assy with the bolt.

Torque: 2.0 N·m (20 kgf·cm, 18 in.·lbf)



(b) Non–tilt steering column:

Install the horn button.

(1) Connect the horn button connector.

(2) Install the horn button.

Engage the 4 claws by pushing the horn button.