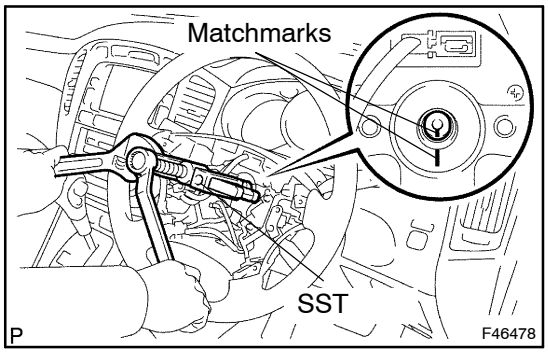
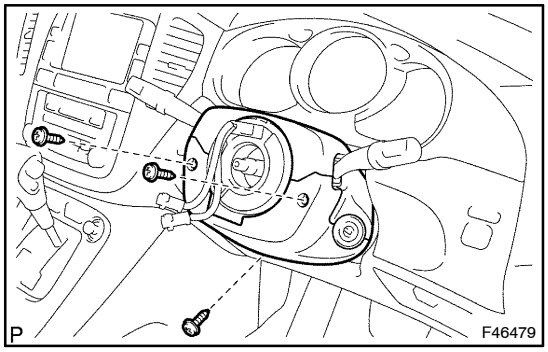
5009S–01

OVERHAUL

1. PRECAUTION (SEE PAGE 60–1)
2. SEPARATE BATTERY NEGATIVE TERMINAL (SEE PAGE 60–1)
3. PLACE FRONT WHEELS FACING STRAIGHT AHEAD
4. REMOVE STEERING WHEEL COVER LOWER NO.2 (SEE PAGE 60–15)
5. REMOVE STEERING WHEEL COVER LOWER NO.2 (W/O CRUISE CONTROL) (SEE PAGE 60–15)
6. REMOVE STEERING WHEEL COVER LOWER NO.3 (W/ CRUISE CONTROL) (SEE PAGE 60–15)
7. REMOVE HORN BUTTON ASSY (SEE PAGE 60–15)

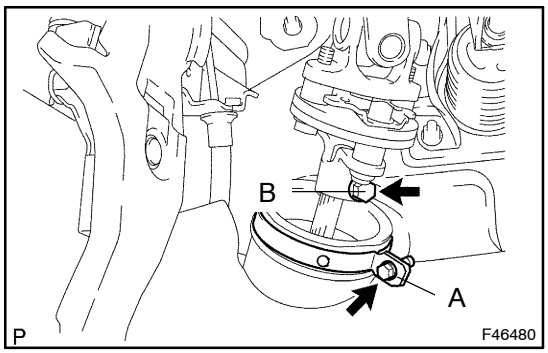


8. REMOVE STEERING WHEEL ASSY
(a) Remove the steering wheel assy set nut.
(b) Place matchmarks on the steering wheel assy and main shaft assy.
(c) Using SST, remove the steering wheel assy.
SST 09950–50013 (09951–05010, 09952–05010, 09953–05020, 09954–05021)

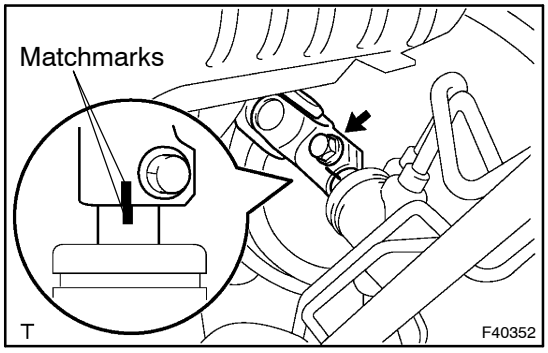


9. REMOVE STEERING COLUMN COVER LWR
(a) Remove the 3 screws and steering column cover UPR and LWR.

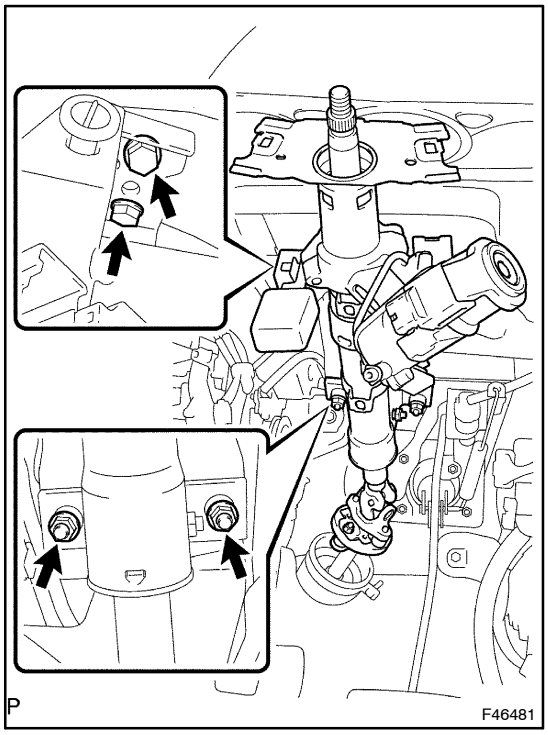
10. REMOVE STEERING COLUMN COVER UPR
11. REMOVE SPIRAL CABLE SUB–ASSY (SEE PAGE 60–24)
12. REMOVE HEADLAMP DIMMER SWITCH ASSY (SEE PAGE 65–25)
13. REMOVE WINDSHIELD WIPER SWITCH ASSY (SEE PAGE 66–15)
14. REMOVE INSTRUMENT PANEL FINISH PANEL SUB–ASSY LOWER (SEE PAGE 71–9)



15. SEPARATE STEERING INTERMEDIATE SHAFT SUB–ASSY
(a) Loosen the bolt A and remove the clamp from the steering column hole shield.
(b) Separate the steering column hole cover No.2 from the steering column hole shield.
(c) Loosen the bolt B.

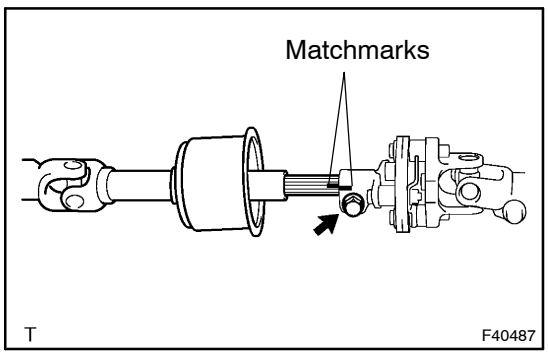


(d) Put matchmarks on the steering intermediate shaft sub–assy and steering gear assy.
(e) Remove the bolt and separate the steering intermediate shaft sub–assy.



16. REMOVE STEERING COLUMN ASSY

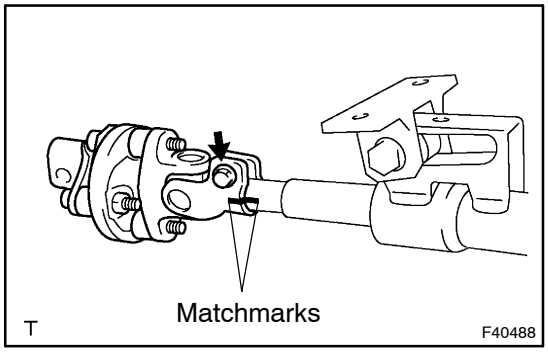
(a) Disconnect the connectors and wire harness clamps.
(b) Remove the 2 bolts, 2 nuts and steering column assy from the instrument panel reinforcement assy.



17. REMOVE STEERING INTERMEDIATE SHAFT SUB–ASSY

(a) Put matchmarks on the steering intermediate shaft sub–assy and steering shaft universal joint assy.
(b) Remove the bolt and steering intermediate shaft sub–assy.

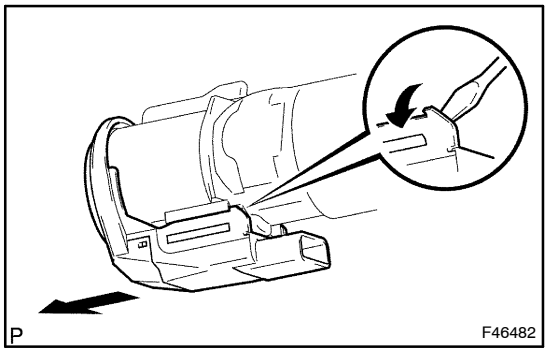
18. REMOVE STEERING COLUMN HOLE COVER SUB–ASSY NO.2



19. REMOVE STEERING SHAFT UNIVERSAL JOINT ASSY

(a) Put matchmarks on the steering shaft universal joint assy and steering main shaft assy.

(b) Remove the bolt and steering shaft universal joint assy from the steering main shaft assy.



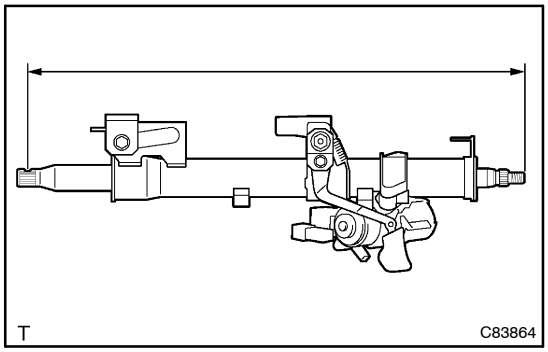
20. REMOVE TRANSPONDER KEY AMPLIFIER

(a) Widen the claw hung on the upper bracket by approx. 1.0 mm (0.039 in.) using a screwdriver.

(b) Pull the transponder key amplifier toward the rear of the vehicle with the claw open.

NOTICE:

Do not use excessive force to prevent the case from being damaged.

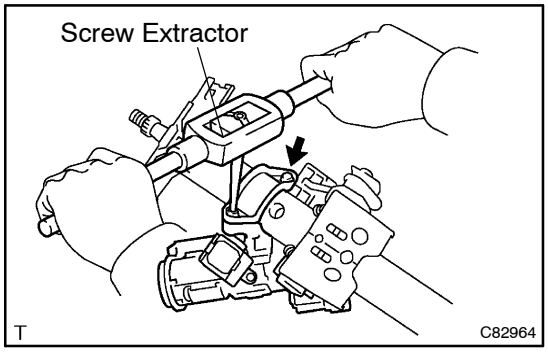


21. INSPECT STEERING MAIN SHAFT ASSY

(a) Measure the steering main shaft length.

Standard length: 504.5 ± 1 mm (19.862 ± 0.039 in.)

If the length is out of specification, replace the steering column assy with a new one.



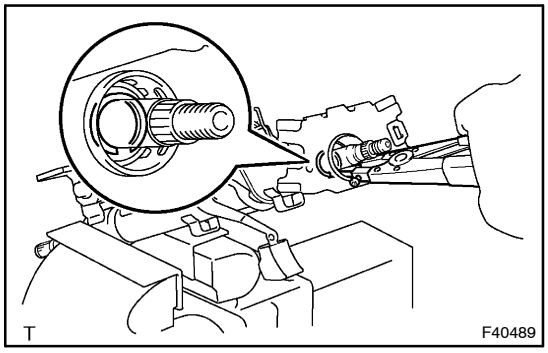
22. REMOVE STEERING COLUMN UPPER W/SWITCH BRACKET ASSY

(a) Using a centering punch, mark the center of the 2 tapered–head bolts.

(b) Using a 3 to 4 mm (0.12 to 0.16 in.) drill, drill a hole in the 2 bolt heads.

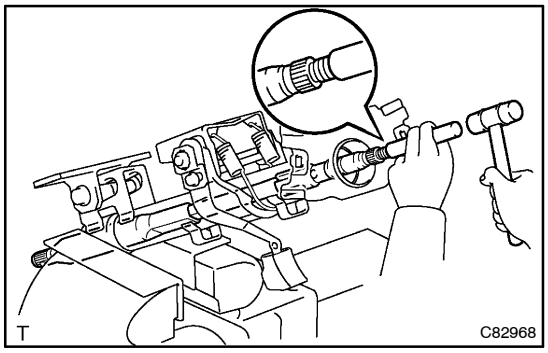
(c) Using a screw extractor, remove the 2 bolts and steering column upper w/switch bracket assy.

23. REMOVE STEERING COLUMN CLAMP UPPER



24. REMOVE STEERING MAIN SHAFT ASSY

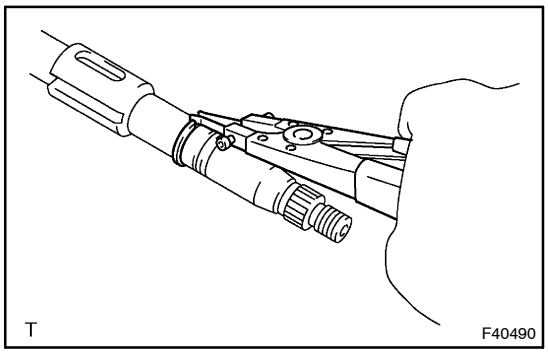
(a) Using a snap ring expander, remove the steering main shaft snap ring (outer side).



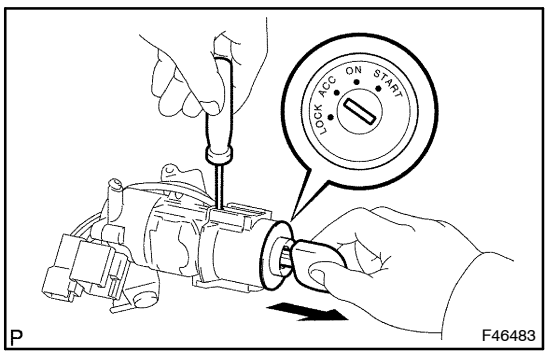
(b) Using a brass bar and a hammer, remove the steering main shaft assy and steering main shaft bushing.

NOTICE:

Be careful not to drop the steering main shaft assy.



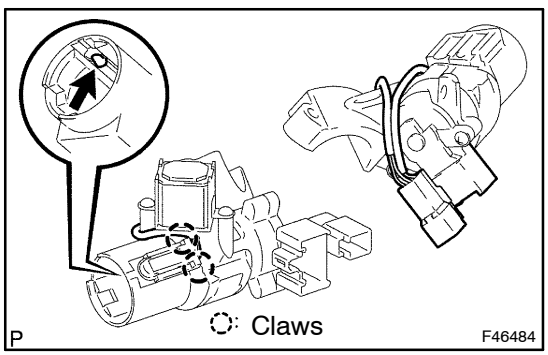
(c) Using a snap ring expander, remove the steering main shaft snap ring (inner side).



25. REMOVE IGNITION SWITCH LOCK CYLINDER ASSY

(a) Put the ignition switch lock cylinder assy in the ACC position.

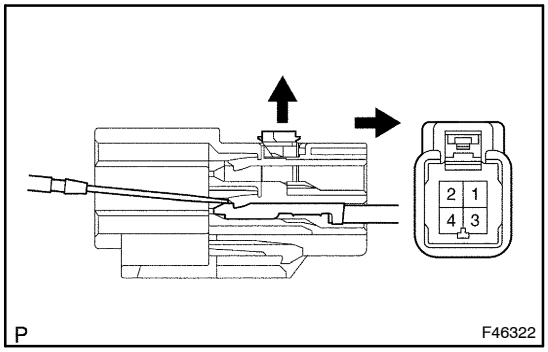
(b) Push down the stop pin with a screwdriver, and pull out the cylinder assy.



26. REMOVE UN–LOCK WARNING SWITCH ASSY

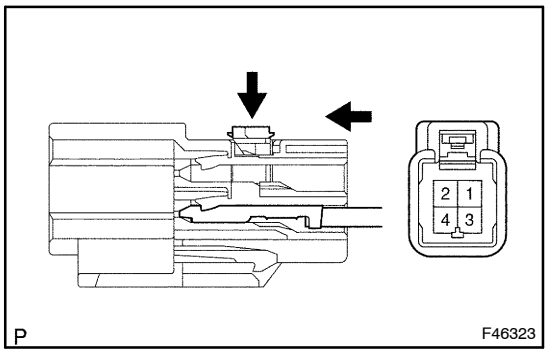
(a) Separate the un–lock warning switch assy connector from the ignition or starter switch assy.

(b) Remove the un–lock warning switch assy by pushing up the center part and releasing the 2 claws.



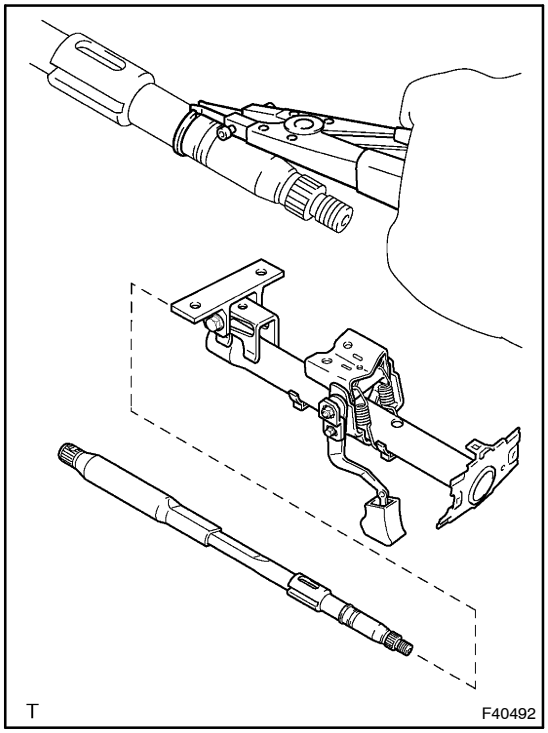
(c) Disengage the secondary locking device.
(d) Using a small screwdriver, disengage the locking lug of the terminals 3 and 4, and pull the terminals out from the un–lock warning switch assy rear side.

27. REMOVE KEY INTER LOCK SOLENOID
(a) Remove the 2 screws and solenoid from the steering column bracket assy.
28. REMOVE IGNITION OR STARTER SWITCH ASSY
(a) Remove the 2 screws and ignition or starter switch assy from the steering column bracket assy UPR.
29. INSTALL IGNITION OR STARTER SWITCH ASSY
(a) Install the ignition or starter switch assy to the steering column bracket assy UPR with the 2 screws.
30. INSTALL KEY INTER LOCK SOLENOID
(a) Install the solenoid to the steering column bracket assy with the 2 screws.



31. INSTALL UN–LOCK WARNING SWITCH ASSY
(a) Install the un–lock warning switch assy.
(b) Connect the terminals 3 and 4 of the un–lock warning switch assy connector.
(c) Connect the un–lock warning switch assy connector to the ignition or starter switch assy.

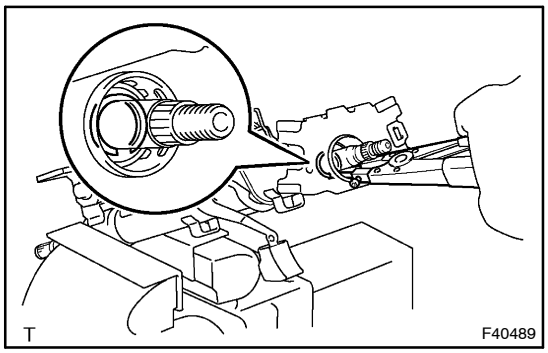
32. INSTALL IGNITION SWITCH LOCK CYLINDER ASSY
(a) Make sure the ignition switch lock cylinder assy is in the ACC position.
(b) Install the ignition switch lock cylinder assy.
33. INSPECT STEERING LOCK OPERATION
(a) Check that the steering lock mechanism is activated when the key is removed.
(b) Check that the steering lock mechanism is deactivated when the key is inserted and turned to the ACC position.



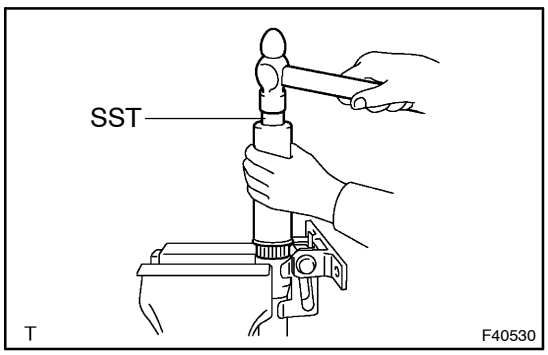
34. INSTALL STEERING MAIN SHAFT ASSY

(a) Using a snap ring expander, install a new steering main shaft snap ring (inner side) to the steering main shaft assy.

(b) Install the steering main shaft assy to the steering column tube.



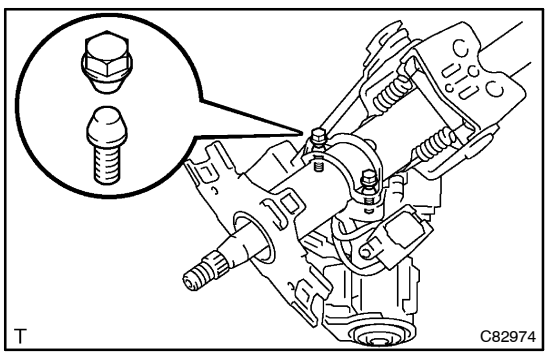
(c) Using a snap ring expander, install a new steering main shaft snap ring (outer side) to the steering main shaft assy.



35. INSTALL STEERING MAIN SHAFT BUSH

(a) Using SST and a hammer, install a new steering main shaft bush.

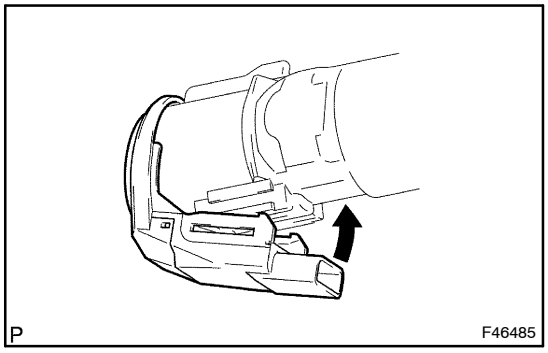
SST 09608–06041



36. INSTALL STEERING COLUMN UPPER W/SWITCH BRACKET ASSY

(a) Temporarily install the steering column upper w/switch bracket assy and steering column upper clamp with 2 new tapered–head bolts.

(b) Tighten the 2 tapered–head bolts until the bolt heads break off.



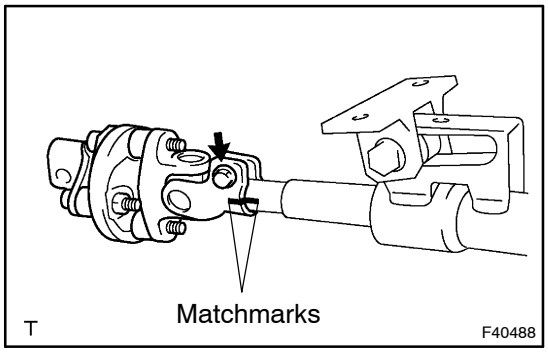
37. INSTALL TRANSPONDER KEY AMPLIFIER

(a) Align the transponder key amplifier with the installation position of the upper bracket with the amplifier inclined.

(b) Push the transponder key amplifier up and connect it to the upper bracket.

NOTICE:

Do not push the amplifier up with excessive force.

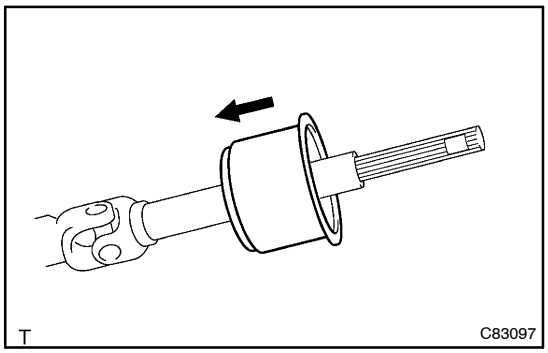


38. INSTALL STEERING SHAFT UNIVERSAL JOINT ASSY

(a) Align the matchmarks on the steering universal joint assy and steering main shaft assy.

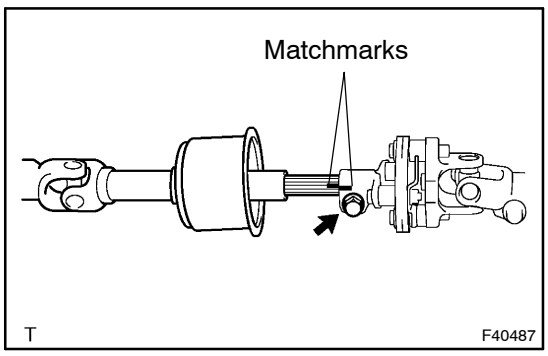
(b) Install the steering universal joint assy with the bolt.

Torque: 35 N·m (360 kgf·cm, 26 ft·lbf)



39. INSTALL STEERING COLUMN HOLE COVER SUB–ASSY NO.2

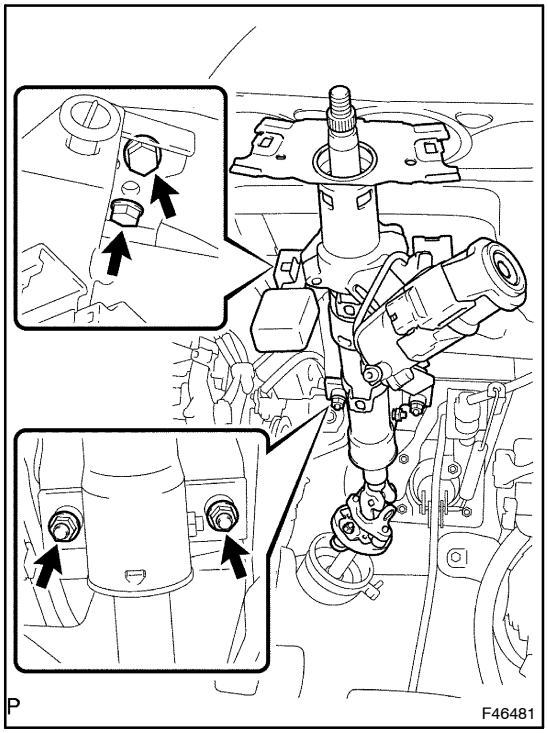
(a) Install the steering column hole cover sub–assy No.2 to the steering intermediate shaft sub–assy.



40. TEMPORARILY TIGHTEN STEERING INTERMEDIATE SHAFT SUB–ASSY

(a) Align the matchmarks on the steering intermediate shaft sub–assy and steering main shaft assy.

(b) Temporarily install the steering intermediate shaft sub–assy with the bolt.

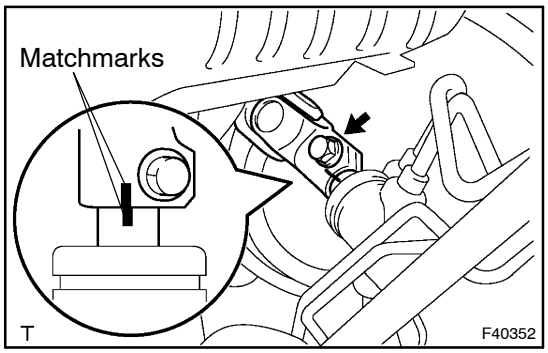


41. INSTALL STEERING COLUMN ASSY

(a) Install the steering column assy with the 2 bolts and nuts.
Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

(b) Connect the connectors.

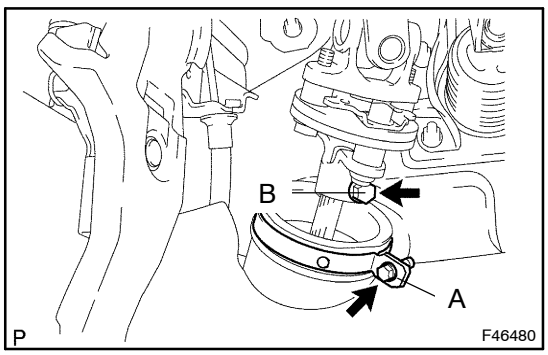
(c) Connect the wire harness clamps to the steering column tube.



42. CONNECT STEERING INTERMEDIATE SHAFT SUB–ASSY

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

(b) Install the bolt.
Torque: 35 N·m (360 kgf·cm, 26 ft·lbf)



(c) Tighten the bolt B.
Torque: 35 N·m (360 kgf·cm, 26 ft·lbf)

(d) Install the steering column hole cover No.2 to the steering hole shield.

(e) Connect the clamp to the steering column hole shield and tighten the bolt A.

43. PLACE FRONT WHEELS FACING STRAIGHT AHEAD

44. INSTALL SPIRAL CABLE SUB–ASSY (SEE PAGE 60–24)

45. ADJUST SPIRAL CABLE SUB–ASSY (SEE PAGE 60–24)

46. INSTALL STEERING COLUMN COVER UPR

47. INSTALL STEERING COLUMN COVER LWR

(a) Install the steering column cover LWR with the 3 screws.

48. INSTALL STEERING WHEEL ASSY

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

(b) Install the steering wheel assy set nut.

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

49. INSPECT HORN BUTTON ASSY (SEE PAGE 60–15)

50. INSTALL HORN BUTTON ASSY (SEE PAGE 60–15)

51. CONNECT BATTERY NEGATIVE TERMINAL

52. INSPECT SRS WARNING LIGHT (SEE PAGE 05–507)