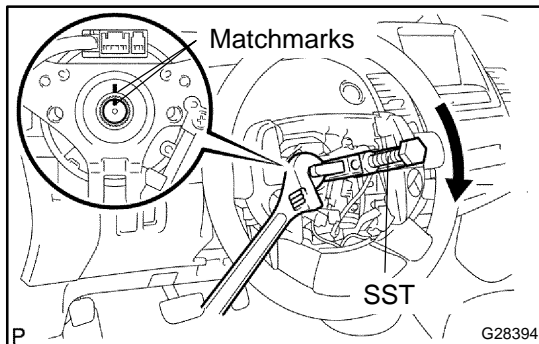


## OVERHAUL

1. PRECAUTION (SEE PAGE 60-1)
2. REMOVE REAR FLOOR BOARD NO.2 (SEE PAGE 21-116)
3. REMOVE DECK FLOOR BOX REAR (SEE PAGE 21-116)
4. REMOVE REAR FLOOR BOARD NO.3 (SEE PAGE 21-116)
5. DISCONNECT BATTERY NEGATIVE TERMINAL (SEE PAGE 60-1)
6. PLACE FRONT WHEELS FACING STRAIGHT AHEAD
7. REMOVE STEERING WHEEL COVER LOWER NO.2 (SEE PAGE 60-20)
8. REMOVE STEERING WHEEL COVER LOWER NO.3 (SEE PAGE 60-20)
9. REMOVE HORN BUTTON ASSY (SEE PAGE 60-20)



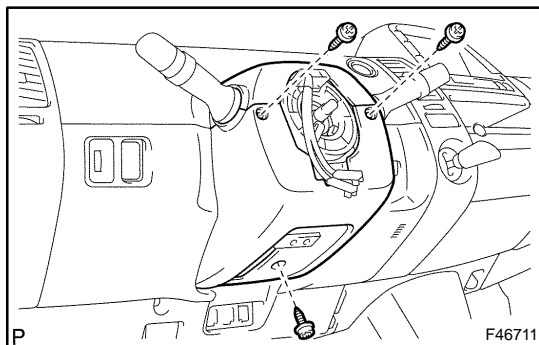
### 10. REMOVE STEERING WHEEL ASSY

- (a) Remove the nut and put matchmarks on the steering wheel assy and the steering main shaft.
- (b) Using SST, remove the steering wheel assy.  
SST 09950-50013 (09951-05010, 09952-05010, 09953-05020, 09954-05021)



### 11. REMOVE TILT LEVER BRACKET

- (a) Remove the 2 screws and the tilt lever bracket.



### 12. REMOVE STEERING COLUMN COVER

- (a) Disengage the 4 claws, remove the 3 screws, and then remove the steering column cover LWR and the steering column cover UPR.

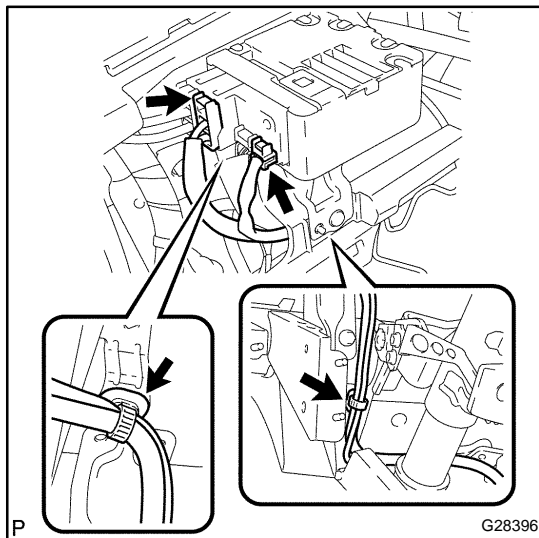
### 13. REMOVE TURN SIGNAL SWITCH ASSY W/SPIRAL CABLE SUB-ASSY

- (a) Remove the clamp and remove the turn signal switch assy w/ spiral cable sub-assy from the steering column assy.

### 14. REMOVE FRONT DOOR SCUFF PLATE LH (SEE PAGE 76-28)

### 15. REMOVE FRONT DOOR SCUFF PLATE RH (SEE PAGE 76-28)

16. REMOVE COWL SIDE TRIM BOARD LH (SEE PAGE 76-28)
17. REMOVE COWL SIDE TRIM BOARD RH (SEE PAGE 76-28)
18. REMOVE INSTRUMENT PANEL REGISTER ASSY NO.1 (SEE PAGE 71-7)
19. REMOVE INSTRUMENT PANEL FINISH PANEL SUB-ASSY LOWER (SEE PAGE 71-7)
20. REMOVE INSTRUMENT PANEL FINISH PANEL SUB-ASSY UPPER (SEE PAGE 71-7)
21. REMOVE INSTRUMENT PANEL REGISTER ASSY NO.3 (SEE PAGE 71-7)
22. REMOVE INSTRUMENT PANEL REGISTER ASSY NO.4 (SEE PAGE 71-7)
23. REMOVE INSTRUMENT PANEL REGISTER ASSY NO.2 (SEE PAGE 71-7)
24. REMOVE MULTI-DISPLAY ASSY (SEE PAGE 71-7)
25. REMOVE GLOVE COMPARTMENT DOOR STOPPER SUB-ASSY (SEE PAGE 71-7)
26. REMOVE GLOVE COMPARTMENT DOOR ASSY (SEE PAGE 71-7)
27. REMOVE GLOVE COMPARTMENT DOOR (SEE PAGE 71-7)
28. REMOVE INSTR PANEL SPEAKER PANEL SUB-ASSY NO.1 W/CTR SPEAKER (SEE PAGE 71-7)
29. REMOVE FRONT PILLAR GARNISH CORNER PIECE LH (SEE PAGE 71-7)
30. REMOVE FRONT PILLAR GARNISH CORNER PIECE RH (SEE PAGE 71-7)
31. REMOVE FRONT PILLAR GARNISH LH (SEE PAGE 71-7)
32. REMOVE FRONT PILLAR GARNISH RH (SEE PAGE 71-7)
33. DISCONNECT PASSENGER AIRBAG CONNECTOR (SEE PAGE 71-7)
34. REMOVE INSTRUMENT PANEL SUB-ASSY W/PASSENGER AIRBAG ASSY (SEE PAGE 71-7)

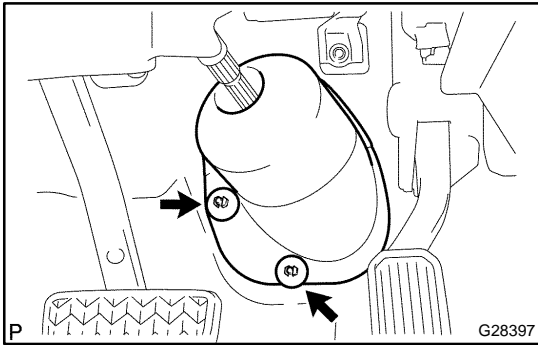


**35. DISCONNECT POWER STEERING ECU ASSY**

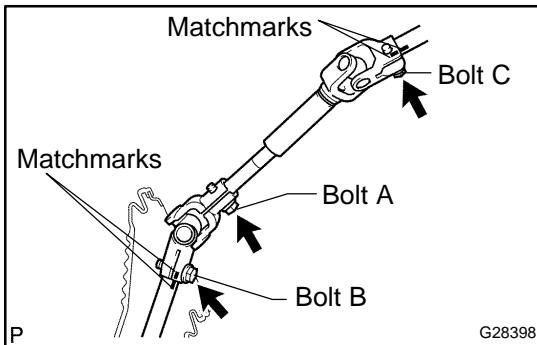
- (a) Separate the torque sensor wire harness clamp from the bottom surface of the power steering ECU assy.
- (b) Separate the torque sensor wire harness clamp from the instrument panel reinforcement.
- (c) Disconnect the 2 steering column assy connectors from the power steering ECU assy.

**36. REMOVE FRONT FLOOR FOOTREST**

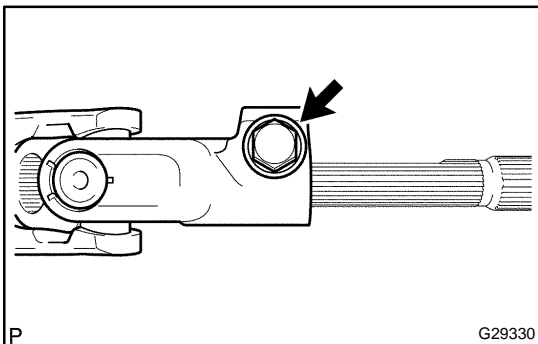
- (a) Using a flathead screwdriver, pull the front floor footrest forward, disengage the 2 clips, and remove the front floor footrest.

**37. REMOVE COLUMN HOLE COVER SILENCER SHEET**

- (a) Turn back the floor carpet and remove the 2 clips and the column hole cover silencer sheet.

**38. REMOVE STEERING INTERMEDIATE SHAFT ASSY NO.2**

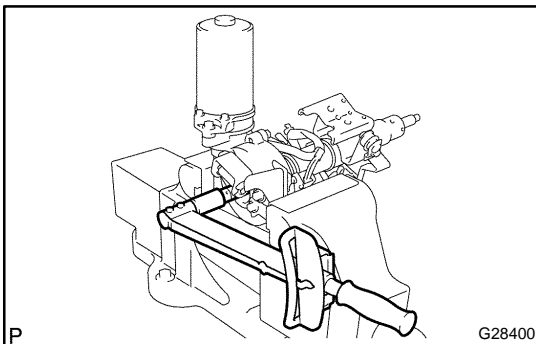
- (a) Loosen bolt A on the steering sliding yoke sub-assy.  
 (b) Put matchmarks on the steering intermediate shaft assy and the steering intermediate shaft.  
 (c) Remove bolt B and separate the steering intermediate shaft assy from the steering intermediate shaft.  
 (d) Put matchmarks on the steering intermediate shaft assy and the steering column assy.  
 (e) Remove bolt C and separate the steering intermediate shaft assy from the steering column assy.

**39. REMOVE STEERING SLIDING YOKE SUB-ASSY**

- (a) Remove the bolt and remove the steering sliding yoke sub-assy from the steering intermediate shaft assy.

**40. REMOVE STEERING COLUMN ASSY**

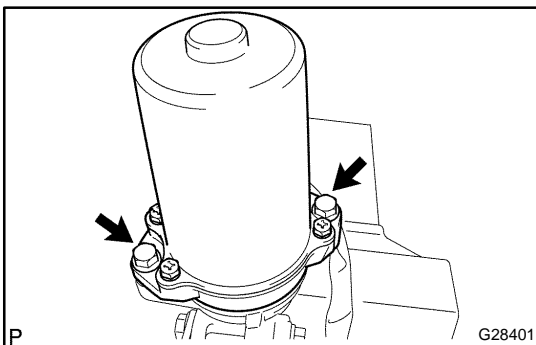
- (a) Disconnect the connectors and the wire harness clamps from the steering column assy.
- (b) Remove the 3 bolts and the steering column assy.

**41. INSPECT STEERING COLUMN ASSY**

- (a) Using SST and a torque wrench, measure the main shaft turning torque.  
SST 09616-00011  
**Standard turning torque: 0.4 to 1.1 N·m (4 to 11 kgf·cm) (2 sec./turn)**
- (b) If turning torque is out of specification, remove the motor and remeasure.  
**Reference turning torque: 0.1 to 0.6 N·m (1 to 6 kgf·cm) (2 sec./turn) (motorless)**

If turning torque is within specification, replace the motor with a new one.

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

**42. REMOVE POWER STEERING MOTOR ASSY**

- (a) Remove the 2 clamps from the power steering motor and the torque sensor wire harnesses.

**NOTICE:**

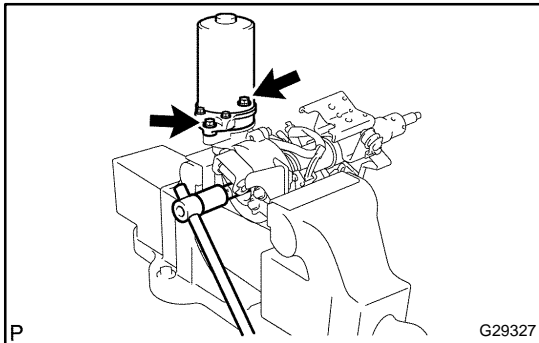
**Do not damage the clamps.**

- (b) Remove the 2 bolts and the power steering motor assy.

**43. INSTALL POWER STEERING MOTOR ASSY**

- (a) Secure the steering column assy in a vise so that the motor installation part is horizontal.
- (b) Apply MP grease to the serrated part of the motor and install it to the steering column.

**Reference amount: 0.3 g**



- (c) Using SST, turn the steering main shaft 2 or 3 turns at a rate of one turn per second to seat the motor, and temporarily tighten the 2 bolts.

**NOTICE:**

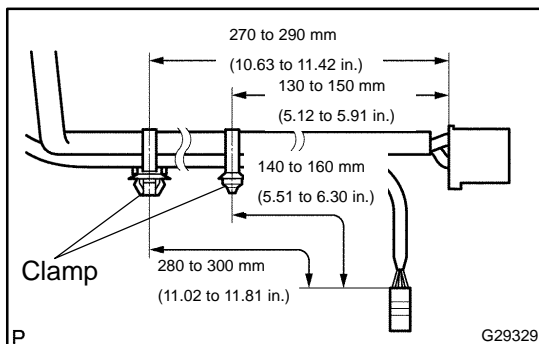
- **Make sure that the motor is installed vertically and sits under its own weight.**
- **Temporarily tighten the bolts with the motor properly seated.**

- (d) Fully tighten the 2 bolts.

**Torque: 18N·m (185 kgf·cm, 13 ft·lbf)**

**NOTICE:**

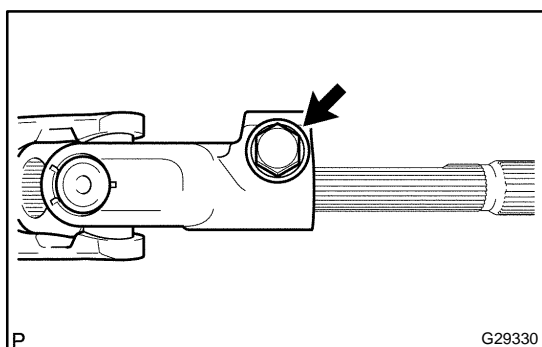
**Do not apply force to the motor in the horizontal direction when tightening the bolts.**



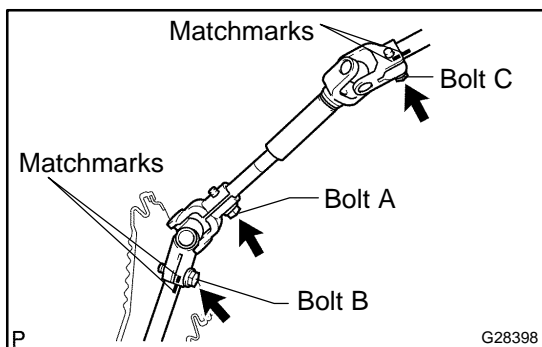
- (e) Hold the wire harness for the power steering motor and the torque sensor wire harness with the 2 clamps and vinyl tape as shown in the illustration.

**44. INSTALL STEERING COLUMN ASSY**

- (a) Install the steering column assy with the 3 bolts.  
**Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)**
- (b) Connect the connectors and the wire harness clamps to the steering column assy.

**45. INSTALL STEERING SLIDING YOKE SUB-ASSY**

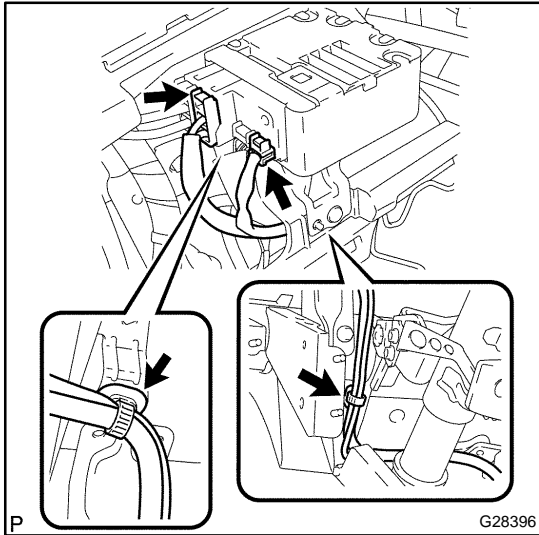
- (a) Temporarily install the steering sliding yoke sub-assy to the steering intermediate shaft assy with the bolt.

**46. INSTALL STEERING INTERMEDIATE SHAFT ASSY NO.2**

- (a) Align the matchmarks on the steering intermediate shaft assy and the steering column assy and install them with bolt C.  
**Torque: 35 N·m (360 kgf·cm, 26 ft·lbf)**
- (b) Align the matchmarks on the steering intermediate shaft assy and the steering intermediate shaft and install them with bolt B.  
**Torque: 35 N·m (360 kgf·cm, 26 ft·lbf)**
- (c) Tighten bolt A on the steering sliding yoke sub-assy.  
**Torque: 35 N·m (360 kgf·cm, 26 ft·lbf)**

**47. INSTALL COLUMN HOLE COVER SILENCER SHEET****48. INSTALL FRONT FLOOR FOOTREST**

- (a) Engage the 2 clips to install the front floor footrest.

**49. CONNECT POWER STEERING ECU ASSY**

- (a) Connect the 2 steering column assy connectors to the power steering ECU assy.
- (b) Install the clamp holding the power steering motor and the torque sensor wire harnesses on the bottom surface of the power steering ECU assy.
- (c) Install the torque sensor wire harness clamp to the instrument panel reinforcement.
- (d) Make sure that the power steering motor and the torque sensor wire harnesses do not interfere with other parts while by tilting up and down the steering column assy.

**50. INSTALL INSTRUMENT PANEL SUB-ASSY W/PASSENGER AIRBAG ASSY (SEE PAGE 71-7)****51. INSTALL TURN SIGNAL SWITCH ASSY W/SPIRAL CABLE SUB-ASSY**

- (a) Install the turn signal switch assy w/ spiral cable sub-assy to the steering column assy with the clamp.

**52. ADJUST SPIRAL CABLE SUB-ASSY (SEE PAGE 60-29)****53. INSTALL STEERING COLUMN COVER**

- (a) Engage the 4 claws to install the steering column cover UPR and the steering column cover LWR.

HINT:

Fully tilt down the steering column assy when installing the steering column cover UPR and fully tilt it up when installing the steering column cover LWR.

**54. INSTALL TILT LEVER BRACKET**

- (a) Install the tilt lever bracket with the 2 screws.

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

**55. INSPECT STEERING WHEEL CENTER POINT**

HINT:

When the steering wheel is not properly centered, remove and refit to center.

**56. INSTALL STEERING WHEEL ASSY**

- (a) Align the matchmarks on the steering wheel assy and the steering main shaft assy.
- (b) Install the steering wheel assy with the set nut.

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

**57. INSPECT HORN BUTTON ASSY (SEE PAGE 60-20)****58. INSTALL HORN BUTTON ASSY (SEE PAGE 60-20)****59. CONNECT BATTERY NEGATIVE TERMINAL (SEE PAGE 19-2)****60. INSTALL REAR FLOOR BOARD NO.3****61. INSTALL DECK FLOOR BOX REAR****62. INSTALL REAR FLOOR BOARD NO.2****63. INSPECT SRS WARNING LIGHT (SEE PAGE 05-1397)****64. PERFORM CALIBRATION OF TORQUE SENSOR ZERO POINT (SEE PAGE 05-1211)**

**65. PERFORM INITIALIZATION (SEE PAGE 01-28)****HINT:**

When disconnecting the negative battery terminal, it is necessary to initialize other systems.