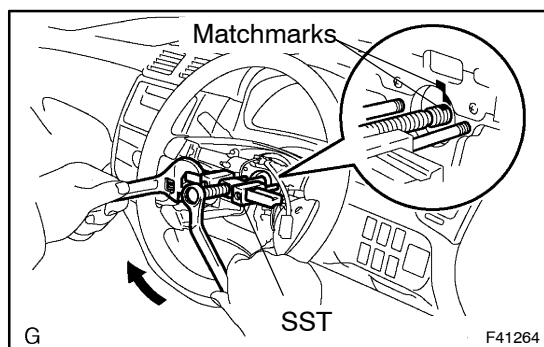


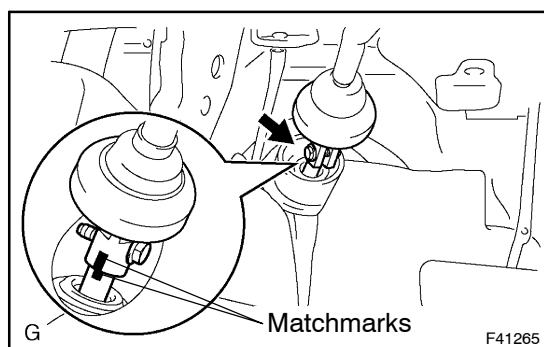
OVERHAUL

1. PRECAUTION (See page 60-1)
2. SEPARATE BATTERY NEGATIVE TERMINAL (See page 60-1)
3. REMOVE HORN BUTTON ASSY (See page 60-15)



4. REMOVE STEERING WHEEL ASSY

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

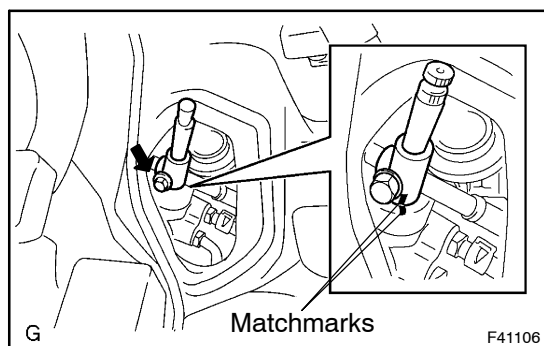


5. SEPARATE STEERING INTERMEDIATE SHAFT ASSY NO.2

- (a) Place the matchmarks on the intermediate shaft assy No.2 and intermediate shaft.
- (b) Remove the bolt and separate the intermediate shaft assy No.2 from the intermediate shaft.

6. REMOVE STEERING COLUMN HOLE COVER SUB-ASSY NO.1

- (a) Remove the 3 bolts and column hole cover sub-assy No.1.



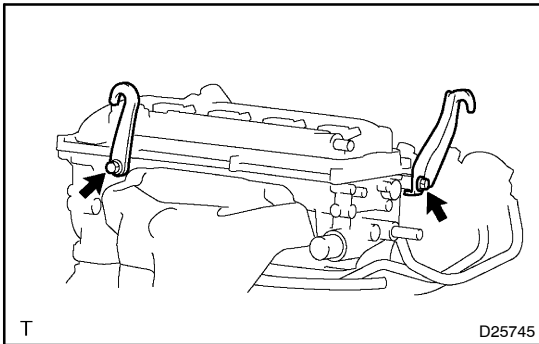
7. SEPARATE STEERING INTERMEDIATE SHAFT

- (a) Place the matchmarks on the intermediate shaft and steering gear assy.
- (b) Remove the bolt and intermediate shaft from the steering gear assy.

8. REMOVE HOOD SUB-ASSY

9. REMOVE FRONT WIPER ARM HEAD CAP (See page 66-9)

10. REMOVE COWL TOP VENTILATOR LOUVER CENTER NO.1 (4 LINK TYPE FR WIPER)
(See page 66-9)
11. REMOVE FR WIPER ARM LH (3 LINK TYPE FR WIPER)
(See page 66-9)
12. REMOVE FR WIPER ARM LH (4 LINK TYPE FR WIPER)
(See page 66-9)
13. REMOVE FR WIPER ARM RH
(See page 66-9)
14. REMOVE COWL TOP VENTILATOR LOUVER SUB-ASSY
(See page 66-9)
15. REMOVE WIPER LINK ASSY
(See page 66-9)
16. REMOVE COWL TOP PANEL SUB-ASSY OUTER
(See page 26-14)



17. SUSPEND ENGINE ASSEMBLY

- (a) Install the 2 engine hangers with the bolts in the correct direction.

Parts No.:

Engine hanger: 12281-28010, 12282-28010

Bolt: 91512-61020

Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)

- (b) Attach the engine chain hoist to the engine hangers.

CAUTION:

Do not attempt to hang the engine by hooking the chain to any other part.

18. REMOVE FRONT WHEEL
19. REMOVE FRONT AXLE HUB LH NUT
(See page 30-22)
SST 09930-00010
20. REMOVE FRONT AXLE HUB RH NUT

SST 09930-00010

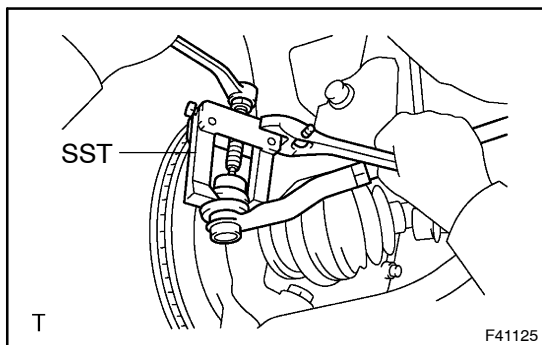
HINT:

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

21. SEPARATE SPEED SENSOR FRONT LH
(See page 30-22)
22. SEPARATE SPEED SENSOR FRONT RH

HINT:

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

**23. SEPARATE TIE ROD END SUB-ASSY LH**

- (a) Remove the cotter pin and nut.
- (b) Using SST, disconnect the tie rod end sub-assy LH from the steering knuckle.
SST 09628-62011

NOTICE:

Do not damage the dust cover.

24. SEPARATE TIE ROD END SUB-ASSY RH

SST 09628-62011

HINT:

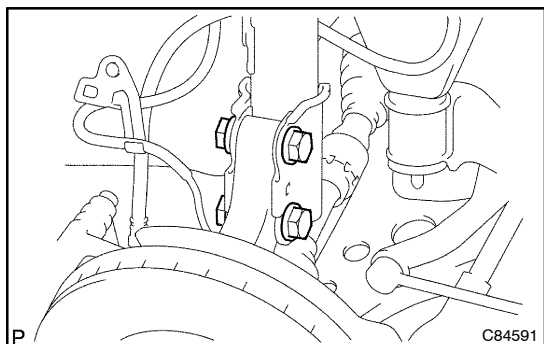
Separate the RH side by the same procedures with LH side.

25. SEPARATE FRONT STABILIZER LINK ASSY LH

(See page 26-22)

26. SEPARATE FRONT STABILIZER LINK ASSY RH**HINT:**

Separate the RH side by the same procedures with LH side.

27. SEPARATE FRONT AXLE ASSY LH (See page 30-22)**28. TEMPORARY TIGHTEN FRONT AXLE ASSY LH**

- (a) Temporarily install the front axle assy LH to the front shock absorber assy LH with the 2 bolts and nuts.

29. SEPARATE FRONT AXLE ASSY RH**HINT:**

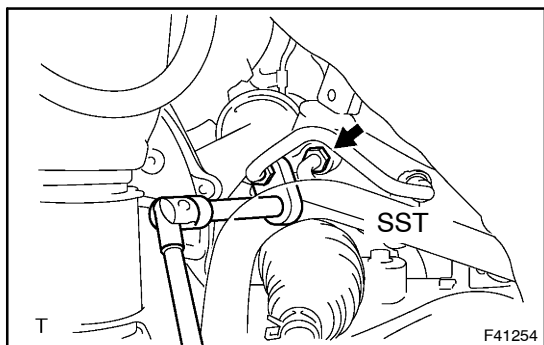
Separate the RH side by the same procedures with LH side.

30. TEMPORARY TIGHTEN FRONT AXLE ASSY RH**HINT:**

Temporary tighten the RH side by the same procedures with LH side.

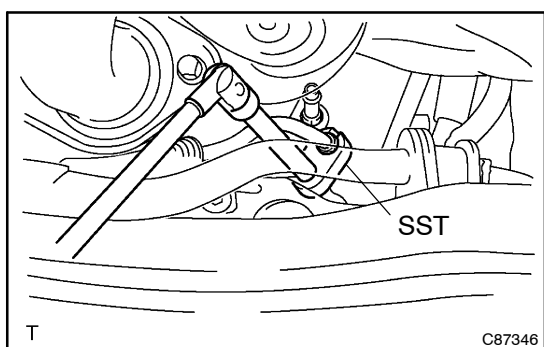
31. SEPARATE RETURN HOSE (RHD STEERING POSITION TYPE)

- (a) Remove the clip and separate the return hose from the outlet return tube.



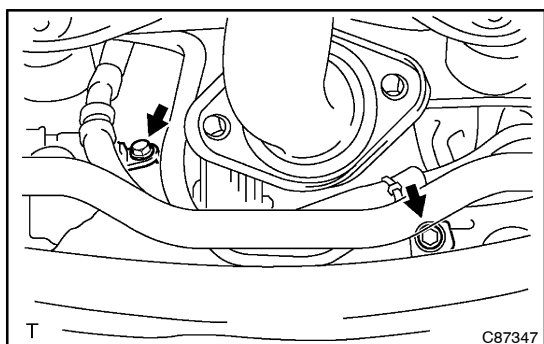
32. SEPARATE PRESSURE FEED TUBE ASSY (LHD STEERING POSITION TYPE)

- (a) Using SST, separate the return tube Assy from the steering gear Assy.
SST 09023-12700
- (b) Using SST, separate the pressure feed tube Assy from the steering gear Assy.
SST 09023-12700
- (c) Remove the bolt and separate the pressure feed tube clamp.



33. SEPARATE PRESSURE FEED TUBE ASSY (RHD STEERING POSITION TYPE)

- (a) Using SST, separate the pressure feed tube Assy from the steering gear Assy.
SST 09023-12700
- (b) Remove the 2 bolts and separate the pressure feed tube clamps.



34. SEPARATE FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH

(See page 26-14)

SST 09628-62011

35. SEPARATE FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 RH

SST 09628-62011

HINT:

Separate the RH side by the same procedures with LH side.

36. REMOVE FRONT SUSPENSION MEMBER BRACE REAR LH

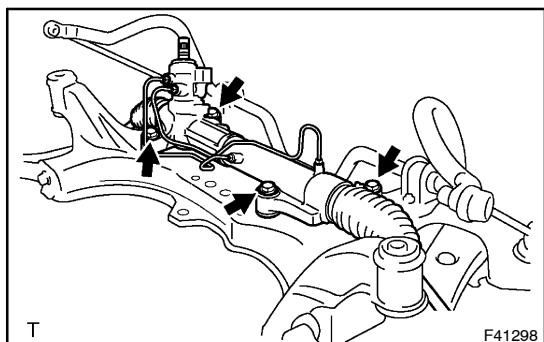
(See page 26-14)

37. REMOVE FRONT SUSPENSION MEMBER BRACE REAR RH

HINT:

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

38. REMOVE FRONT SUSPENSION CROSSMEMBER SUB-ASSY (See page 26-14)



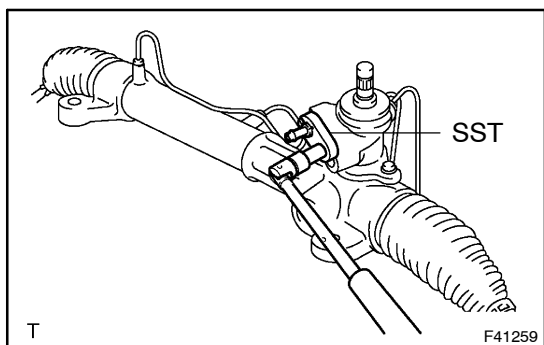
39. REMOVE RACK & PINION POWER STEERING GEAR ASSY

- (a) Remove the 4 bolts, nuts and power steering gear assy.

NOTICE:

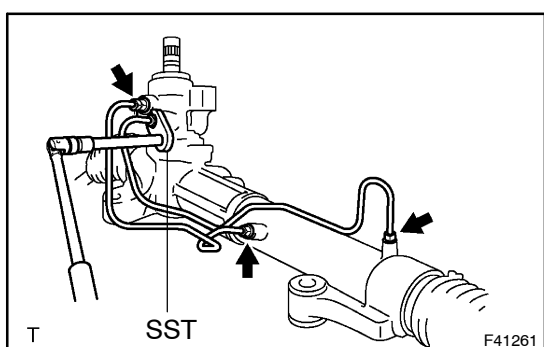
Loosen the bolt since the nut cannot be rotated.

40. REMOVE STEERING RACK BUSH



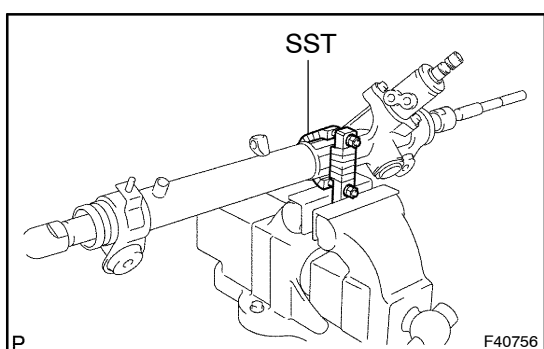
41. REMOVE STEERING GEAR OUTLET RETURN TUBE(RHD STEERING POSITION TYPE)

- (a) Using SST, remove the outlet return tube.
SST 09023-12700



42. FIX RACK & PINION POWER STEERING GEAR ASSY

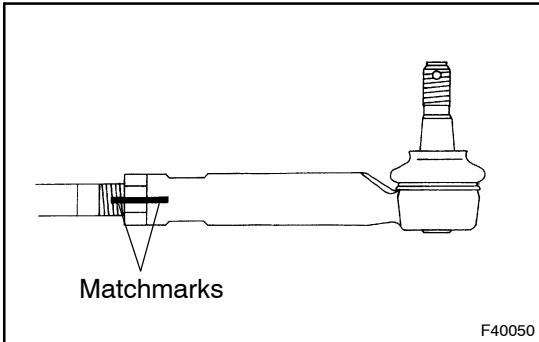
- (a) Using SST, remove the left turn pressure tube.
SST 09023-38200
(b) Using SST, remove the right turn pressure tube.
SST 09023-38200



- (c) Using SST, secure the power steering gear assy.
SST 09612-00012

HINT:

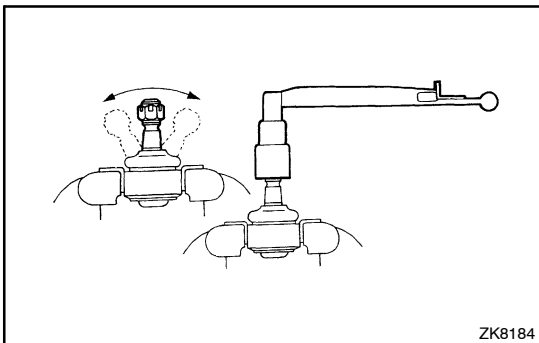
Tape the SST before use.

**43. REMOVE TIE ROD END SUB-ASSY LH**

- Place matchmarks on the tie rod end sub-assy LH and rack end.
- Loosen the lock nut and remove the tie rod end sub-assy LH and lock nut.

44. REMOVE TIE ROD END SUB-ASSY RH**HINT:**

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

**45. INSPECT TIE ROD END SUB-ASSY LH**

- As shown in the illustration, flip the tie rod end sub-assy LH ball joint stud back and forth 5 times, before installing the nut.
- Using a torque wrench, turn the nut continuously one turn per 3 – 5 seconds and take the torque reading on the 5th turn.

Turning torque:

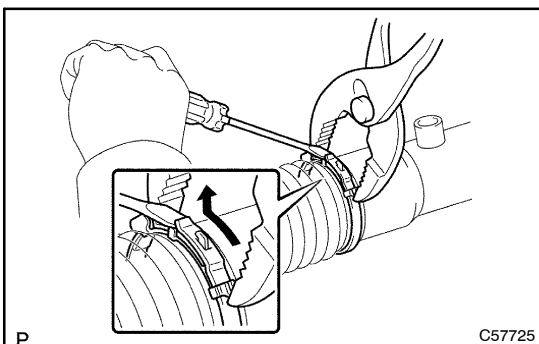
0.49 – 3.43 N·m (5 – 35 kgf·cm, 4.3 – 30.4 in·lbf)

46. INSPECT TIE ROD END SUB-ASSY RH**HINT:**

Inspect the RH side by the same procedures with LH side.

47. REMOVE STEERING RACK BOOT CLIP

- Remove the 2 boot clips.

**48. REMOVE STEERING RACK BOOT NO.2 CLAMP**

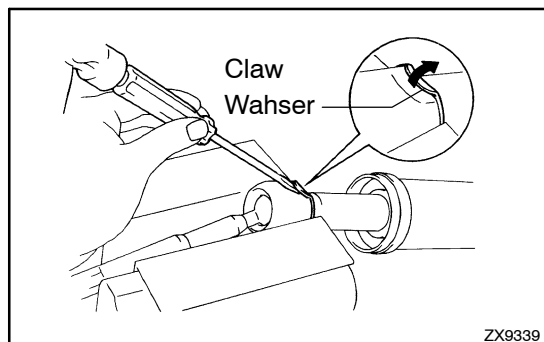
- Using pliers, loosen the No.2 clamp as shown in the illustration.
- Using a screwdriver, remove the No.2 clamp.

NOTICE:

Be careful not to damage the boot.

49. REMOVE STEERING RACK BOOT NO.1 CLAMP**HINT:**

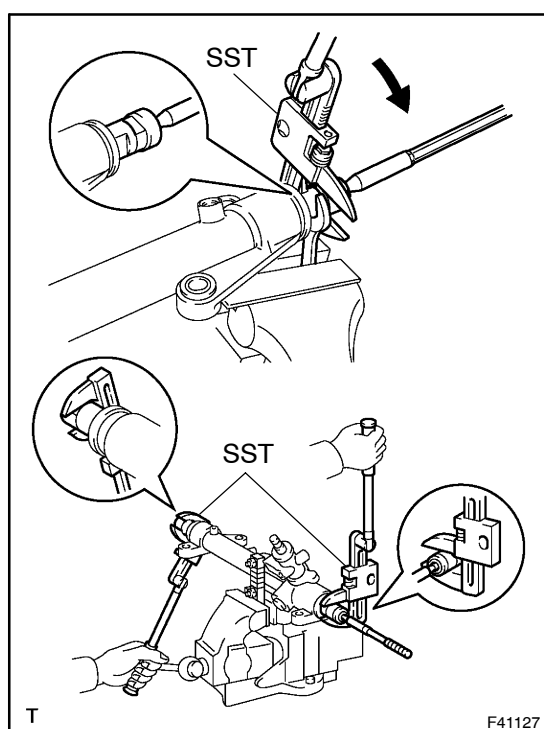
Remove the rack boot No.1 clamp by the same procedures with the rack boot No.2 clamp.

50. REMOVE STEERING RACK BOOT NO.2**51. REMOVE STEERING RACK BOOT NO.1****52. REMOVE STEERING RACK END SUB-ASSY**

- (a) Using a screwdriver and a hammer, unstake the RH and LH claw washers.

NOTICE:

Avoid any impact to the steering rack.



- (b) Using a spanner (22 mm) and a vise, hold the steering rack (LH side).

- (c) Using SST, remove the rack end (LH side) to the steering rack.

SST 09922-10010

NOTICE:

Use SST 09922-10010 in the direction shown in the illustration.

- (d) Using 2 SST, remove the rack end (RH side) to the steering rack.

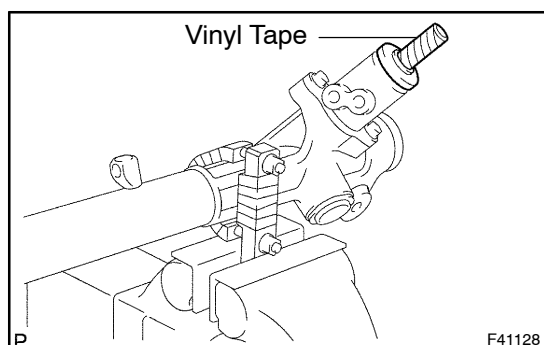
SST 09922-10010

NOTICE:

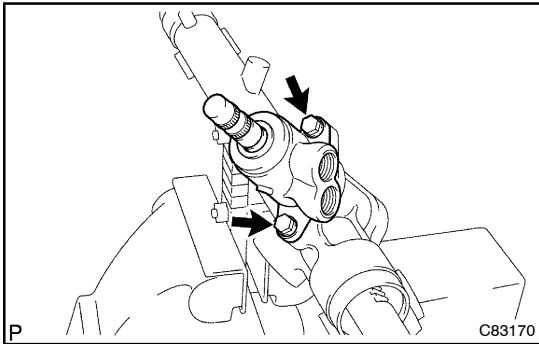
Use SST 09922-10010 in the direction shown in the illustration.

53. REMOVE RACK GUIDE

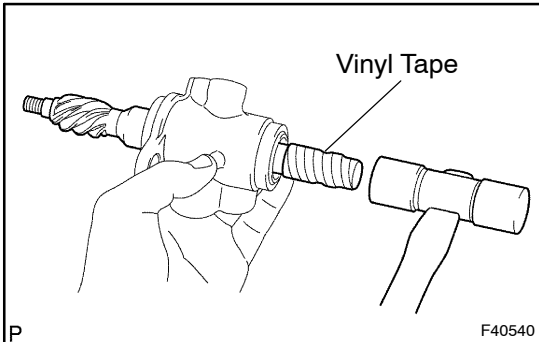
- (a) Using a hexagon wrench (24 mm), remove the rack guide spring cap from the rack housing.
- (b) Remove the compression spring and rack guide from the rack housing.

**54. REMOVE POWER STEERING CONTROL VALVE**

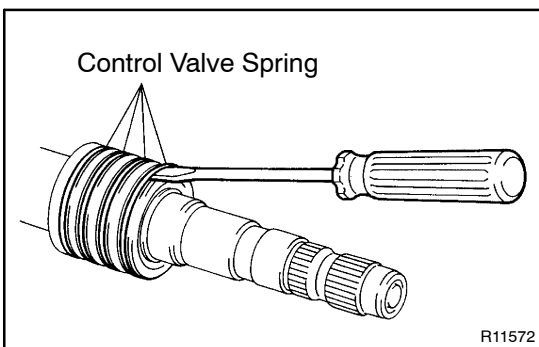
- (a) Wind vinyl tape around the serrated part of the control valve.
- (b) Remove the dust cover from the control valve housing.



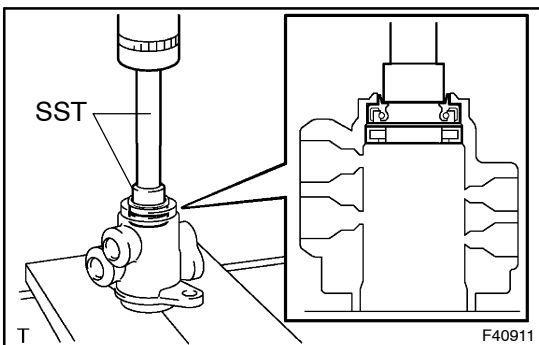
- (c) Remove the 2 bolts and control valve housing.
- (d) Remove the gasket.



- (e) To prevent oil seal lip damage, wind vinyl tape around the serrated part of the control valve.
- (f) Using a plastic hammer, remove the control valve from the control valve housing.

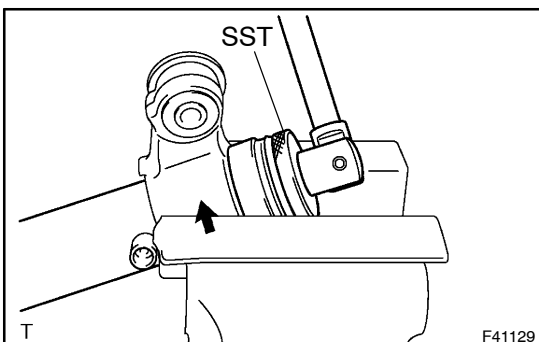


- (g) Using a screwdriver, remove the 4 control valve springs.
- NOTICE:**
Be careful not to damage the grooves for the spring.



55. REMOVE POWER STEERING CONTROL VALVE UPPER OIL SEAL

- (a) Using SST and a press, remove the upper bearing and upper oil seal from the control valve housing.
SST 09950-70010 (09951-07150), 09950-60010 (09951-00240)



56. REMOVE CYLINDER END STOPPER

- (a) Place rack housing in vise.
- NOTICE:**
Hold the arrow part in the illustration in a vice.
- (b) Using SST, remove the cylinder end stopper from the rack housing.
SST 09631-20120
 - (c) Using a screwdriver, remove the O-ring from the cylinder end stopper.

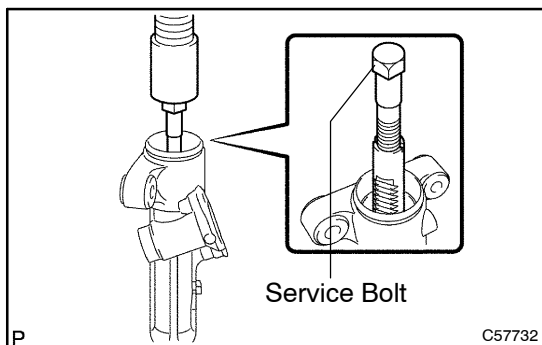
NOTICE:

Do not damage the cylinder end stopper.

- (d) Using a screwdriver, remove the rack guide bush from the cylinder end stopper.

NOTICE:

Do not damage the cylinder end stopper.

**57. REMOVE POWER STEERING RACK**

- (a) Using a service bolt and press, remove the steering rack from the steering rack housing.

Recommended service bolt:

Thread diameter: 14 mm (0.55 in.)

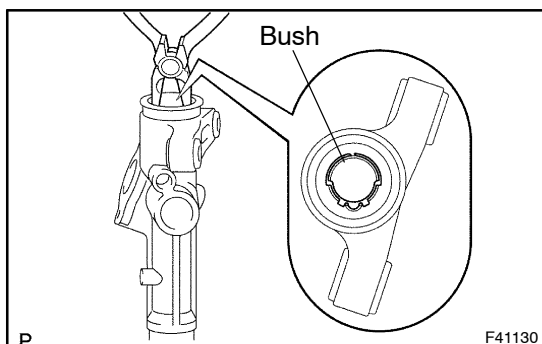
Thread pitch: 1.5 mm (0.059 in.)

- (b) Using a screwdriver, remove the power piston oil seal and power piston O-ring from the steering rack.

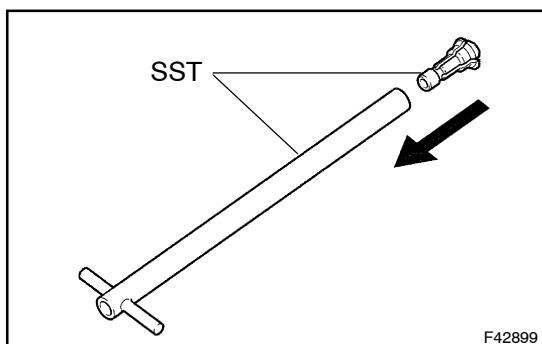
NOTICE:

Do not damage the steering rack ring groove.

- (c) Remove the cylinder end stopper oil seal from the steering rack.

**58. REMOVE POWER STEERING SYLINDER TUBE OIL SEAL**

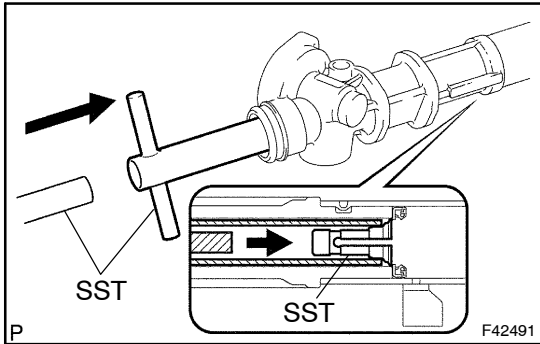
- (a) Using needle nose pliers, remove the bush from the rack housing.



- (b) Install SST (09612-07130) on SST (09612-07210).
SST 09612-70100 (09612-07130, 09612-07210)

NOTICE:

- **Before using them, apply a small dab of grease to the inside wall of SST (09612-07210, 09612-07130).**
- **To prevent the inside of the housing from being damaged securely install SST 09612-07130 on SST (09612-07210).**

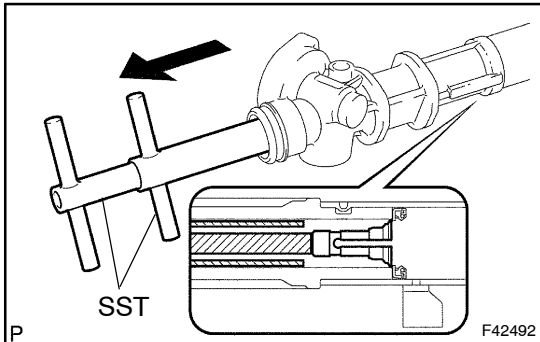


- (c) Diagonally insert SST (09612-07210) into the housing until it contacts with the oil seal, and then, further insert the SST (09612-07210) until the tip of SST (09612-07220) contacts with SST (09612-07130).

SST 09612-70100 (09612-07130, 09612-07210, 09612-07220)

NOTICE:

Do not damage the inside of the housing.



- (d) Secure SST (09612-07220), and pull SST (09612-07210) to place SST (09612-07130) in the housing.

SST 09612-70100 (09612-07130, 09612-07210, 09612-07220)

HINT:

Place SST on the chamfering position between the oil seal and rack housing.

- (e) Remove the SST (09612-07210, 09612-07220).

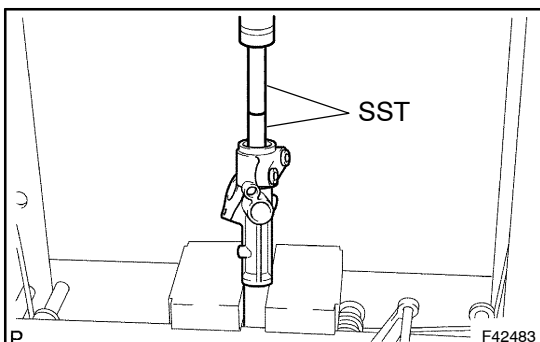
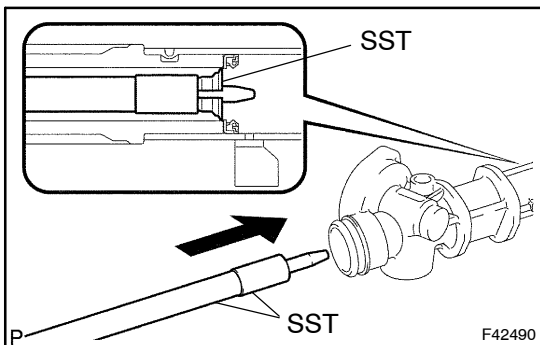
SST 09612-07100 (09612-07210, 09612-07220)

- (f) After installing SST (09612-07240) on SST (09612-07210), insert the tip of SST (09612-07230) in the service hole of SST (09612-07130).

SST 09612-70100 (09612-07130, 09612-07230, 09612-07240)

NOTICE:

- Before using them, apply a small dab of grease to the tip of SST (09612-07230).
- To prevent SST (09612-07130) from being damaged, be sure to install SST (09612-07240).
- Do not damage the inside of the rack housing.



- (g) Install SST (09951-07100) on SST (09612-07230) and remove the oil seal using a press.

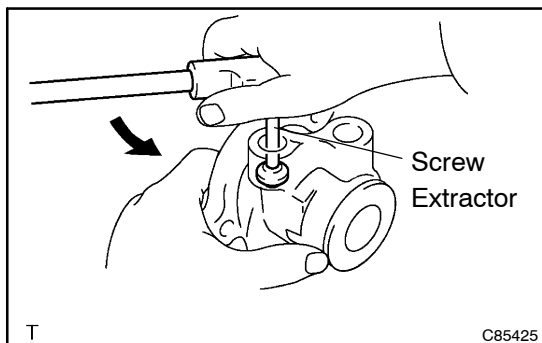
SST 09612-70100 (09612-07130, 09612-07230, 09612-07240), 09950-70010 (09951-07100)

NOTICE:

Do not damage the rack housing.

HINT:

Replace SST (09951-07100) with SST that is different in length in the set, if necessary.



59. REMOVE PRESSURE CONTROL VALVE ORIFICE SEAT

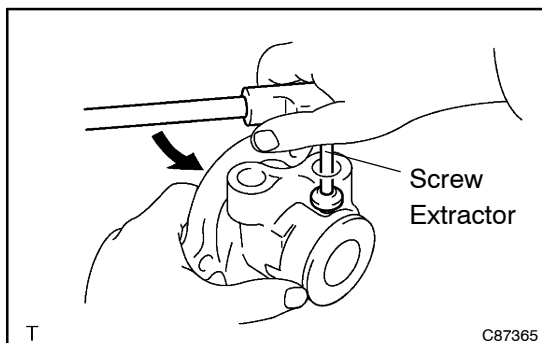
NOTICE:

Only in case that it may leak the fluid due to the remarkable deformation replace it.

- (a) Using a screw extractor, remove the orifice seat.

NOTICE:

- Do not cut the tap more than necessary.
- Do not put the chips into the port.
- Do not damage the port.



60. REMOVE UNION SEAT

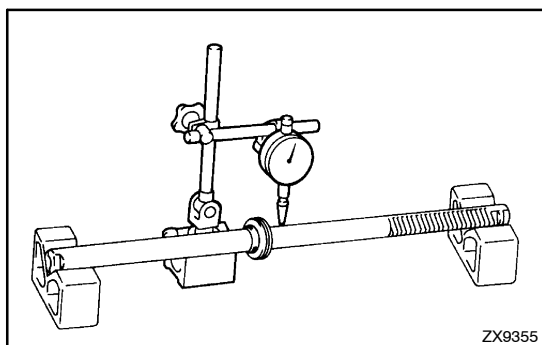
NOTICE:

Only in case that it may leak the fluid due to the remarkable deformation replace it.

- (a) Using a screw extractor, remove the union seat.

NOTICE:

- Do not cut the tap more than necessary.
- Do not put the chips into the port.
- Do not damage the port.

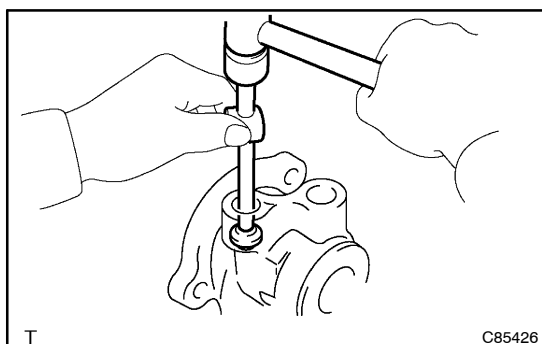


61. INSPECT POWER STEERING RACK

- (a) Using a dial indicator, check the steering rack for runout and for teeth wear and damage.

Maximum runout: 1.5 mm (0.059 in.)

- (b) Check the back surface for wear and damage.

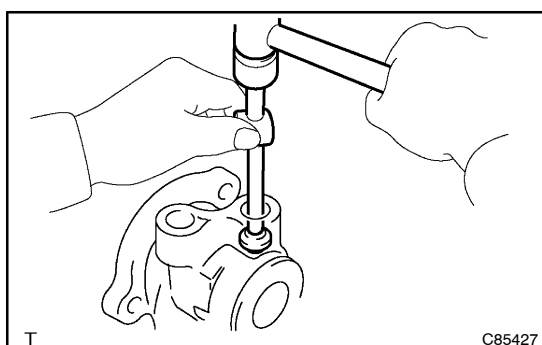


62. INSTALL PRESSURE CONTROL VALVE ORIFICE SEAT

- (a) Using a sliding T handle and a hammer, install a new orifice seat.

NOTICE:

Before installing the orifice seat, remove the sticking to the control valve housing.

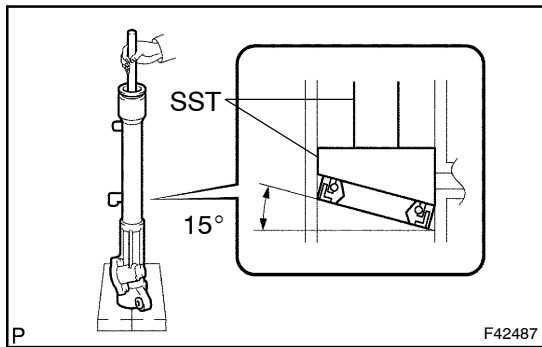


63. INSTALL UNION SEAT

- (a) Using a sliding T handle and a hammer, install a new union seat.

NOTICE:

Before installing the union seat, remove the sticking to the control valve housing.



64. INSTALL POWER STEERING SYLINDER TUBE OIL SEAL

- (a) Apply power steering fluid to a new oil seal, and install the oil seal on the rack housing at an angle.

NOTICE:

Install the oil seal in the correct direction.

HINT:

Install the oil seal so that the port faces downward with approx. 15 degrees.

- (b) Using SST, push in the oil seal by hand until it passes through the 2 ports.

SST 09631-00180, 09950-70010 (09951-07360)

NOTICE:

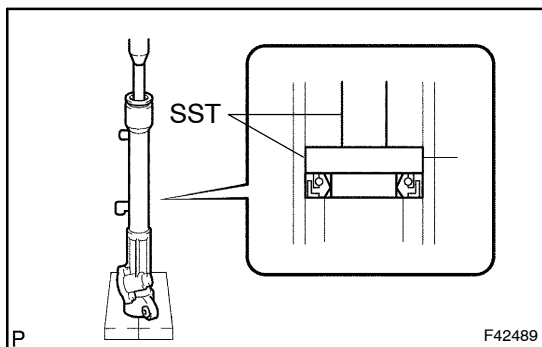
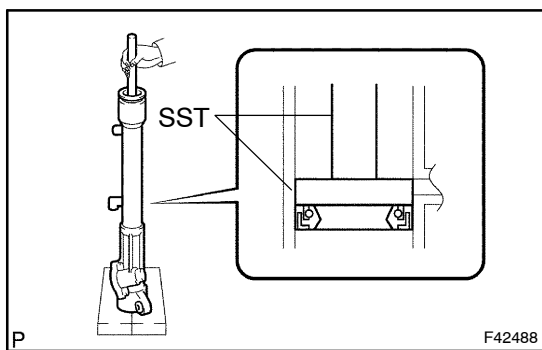
Do not turn SST when inserting the oil seal.

- (c) After the oil seal has passed through the ports, push in the oil seal by hand until it becomes level, using SST.

SST 09950-60010 (09951-00490), 09950-70010 (09951-07360)

NOTICE:

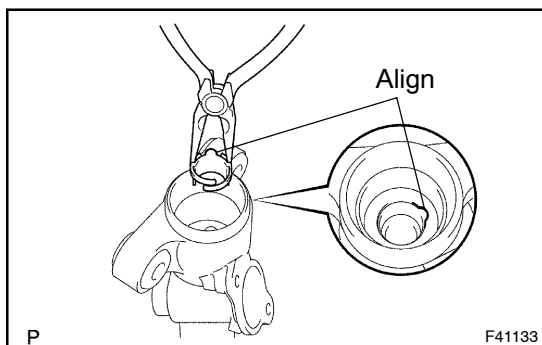
When SST is set, do not damage the inside surface of the rack housing.



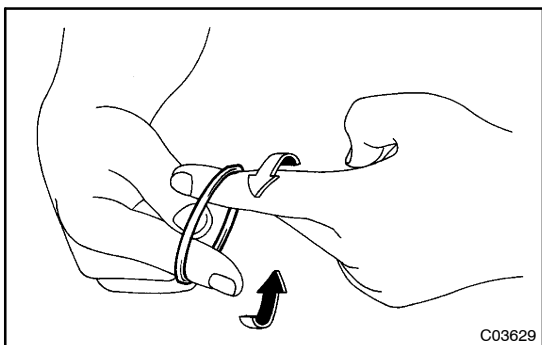
- (d) After the oil seal has become level, using SST and press, install the oil seal.

SST 09950-60010 (09951-00490), 09950-70010 (09951-07360)

- (e) Coat a new oil seal lip with power steering fluid.



- (f) Using needle nose pliers, install the bush to the rack housing.

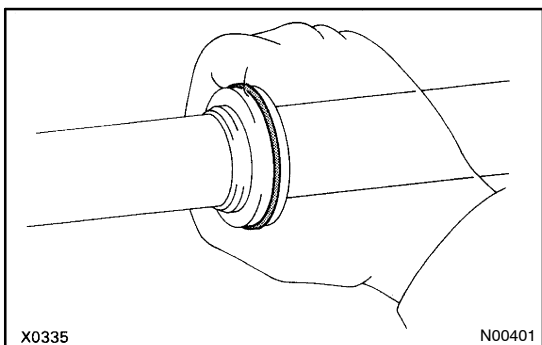


65. INSTALL POWER STEERING RACK

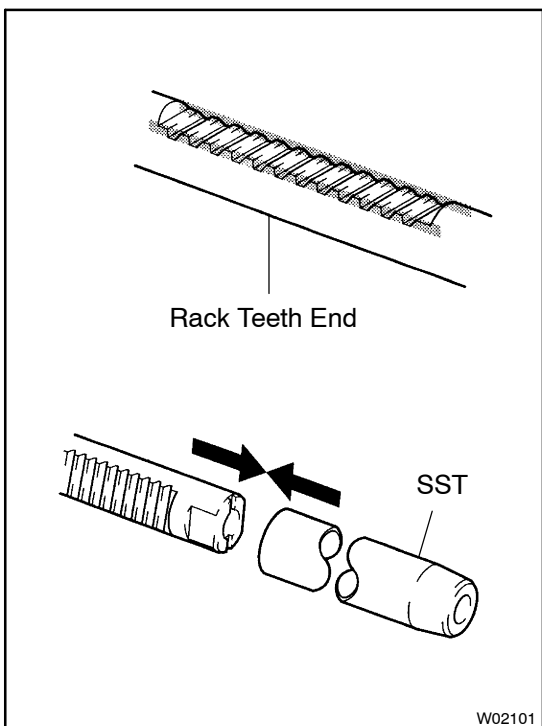
- Coat a new power piston O-ring with power steering fluid and install it to the steering rack.
- Coat a new power piston oil seal with power steering fluid.
- Expand the power piston oil seal with your fingers.

NOTICE:

Be careful not to over expand the power piston oil seal.



- Install the power piston oil seal to the steering rack, and settle it down with your fingers.



- Install SST to the steering rack.

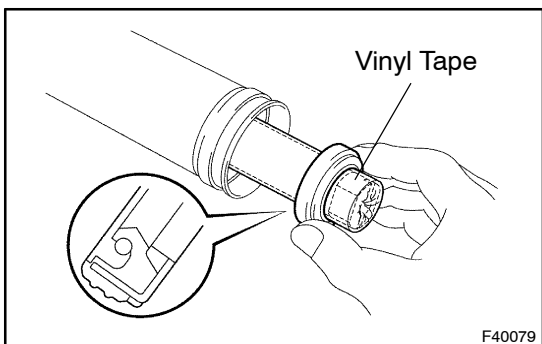
SST 09631-20102

HINT:

If necessary, scrape the burrs off the steering rack teeth end and burnish.

- Coat the SST with power steering fluid.
- Install the steering rack into the rack housing.
- Remove the SST.

SST 09631-20102



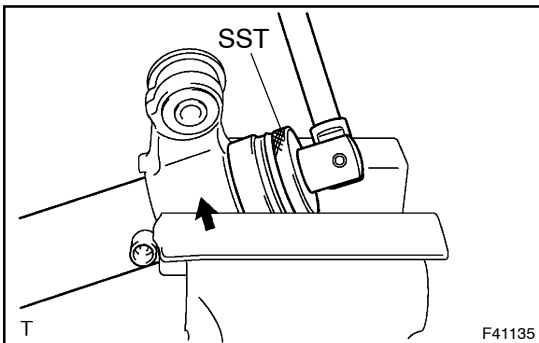
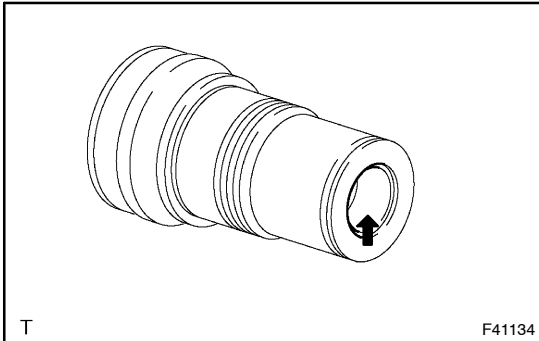
66. INSTALL CYLINDER END STOPPER

- To prevent oil seal lip damage, wind vinyl tape on the steering rack end, and apply power steering fluid.
- Coat a new cylinder end stopper oil seal lip with power steering fluid.
- Install the cylinder end stopper oil seal by pushing it into the rack housing without tilting.

NOTICE:

- Make sure that the oil seal is installed facing in the correct direction.**

- **Be careful not to damage the oil seal lip.**
- (d) Coat a new O-ring with power steering fluid.
- (e) Install the O-ring to the cylinder end stopper.
- (f) Install a new rack guide bush to the cylinder end stopper.
- (g) Apply molybdenum disulfide lithium base grease to the inside of the bush.



- (h) Place rack housing in vise.

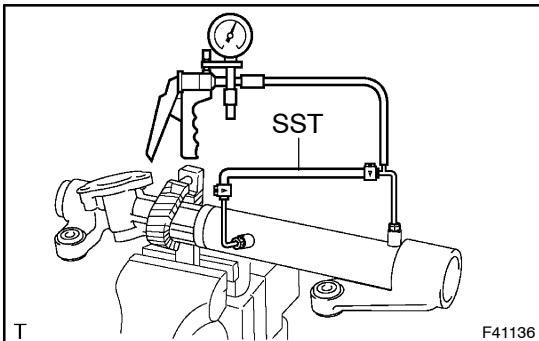
NOTICE:

Hold the arrow part in the illustration in a vise.

- (i) Using SST, install the cylinder end stopper to rack housing.

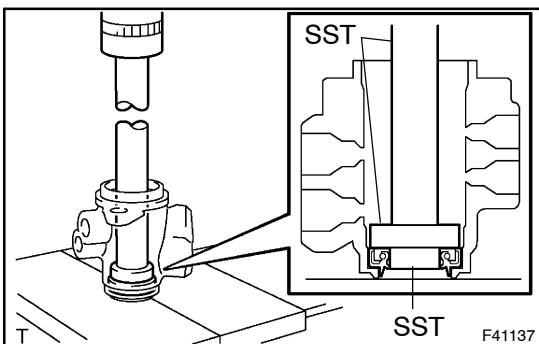
SST 09631-20120

Torque: 122 N·m (1,244 kgf·cm, 90 ft·lbf)



67. INSPECT RACK & PINION POWER STEERING GEAR ASSY

- (a) Install SST to the rack housing.
SST 09631-12071 (09633-00010)
 - (b) Apply vacuum of 53 kPa (400 mmHg, 15.75 in. Hg) for about 30 seconds.
 - (c) Check that there is no change in the vacuum.
- If there is a change in the vacuum, check the installation of the oil seals.

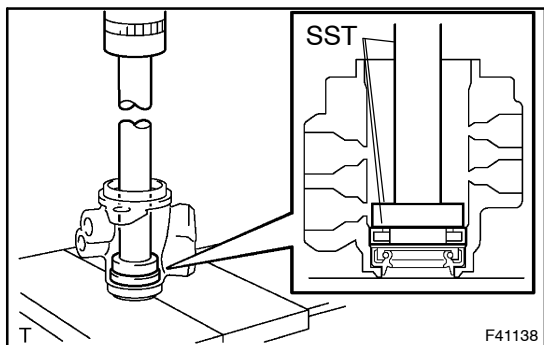


68. INSTALL POWER STEERING CONTROL VALVE UPPER OIL SEAL

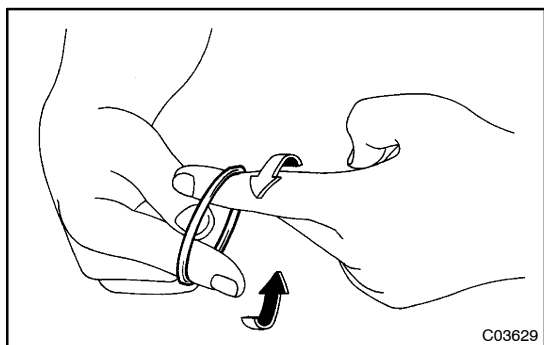
- (a) Coat a upper bearing and a new upper oil seal with power steering fluid.
- (b) Using SST and a press, install the upper oil seal.
SST 09950-70010 (09951-07150), 09950-60010 (09952-06010, 09951-00190, 09951-00280, 09951-00320)

NOTICE:

Make sure that the oil seal is installed facing in the correct direction.



- (c) Using SST and a press, install the upper bearing.
 SST 09950-70010 (09951-07150), 09950-60010
 (09952-06010, 09951-00190, 09951-00280,
 09951-00320)



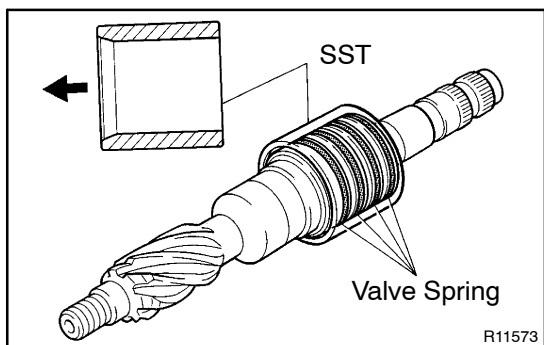
69. INSTALL POWER STEERING CONTROL VALVE

- (a) Expand 4 new valve springs with your fingers.

NOTICE:

Be careful not to over expand the valve spring.

- (b) Coat the 4 valve springs with power steering fluid.
 (c) Install the 4 valve springs to the control valve, and settle them down with your fingers.

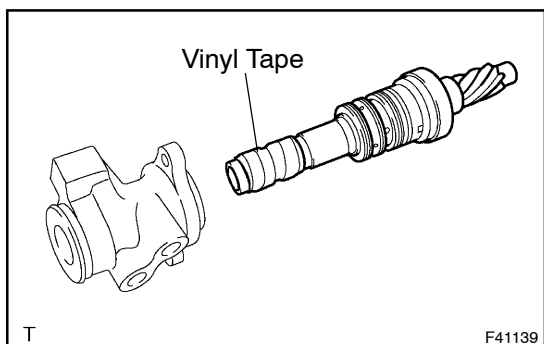


- (d) Carefully slide the tapered end of SST over the valve springs until they fit to the control valve.

SST 09631-20081

NOTICE:

Be careful not to damage the valve springs.

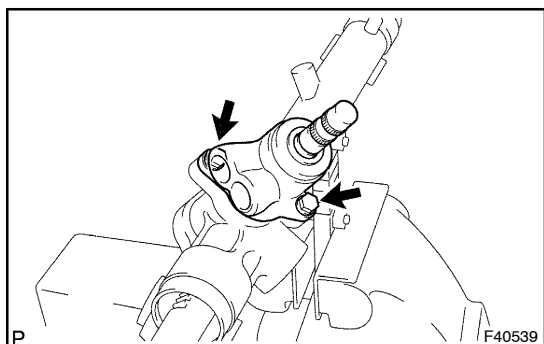


- (e) To prevent oil seal lip damage, wind vinyl tape around the serrated part of the control valve.

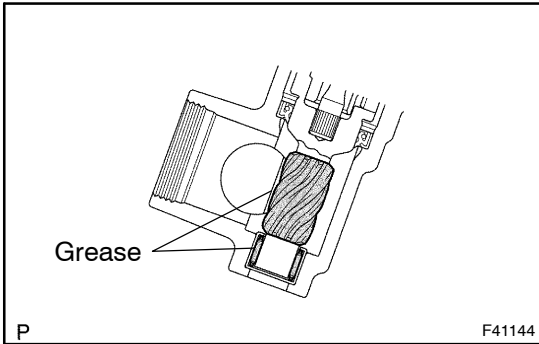
- (f) Install the control valve to the valve housing.

NOTICE:

Be careful not to damage the control valve spring and oil seal lip.



- (g) Install a new gasket to the valve housing.
 (h) Wind vinyl tape around the serration part of the control valve.



- (i) Apply molybdenum disulfide lithium base grease to pinion gear.
- (j) Install the valve housing to the rack housing with the 2 bolts.

Torque: 18.1 N·m (185 kgf·cm, 13 ft·lbf)

70. INSTALL RACK GUIDE

- (a) Install the rack guide.
- (b) Apply molybdenum disulfide lithium base grease to 2 or 3 threads of the rack guide.
- (c) Install the compression spring.
- (d) Apply sealant to 2 or 3 threads of the rack guide spring cap.

Sealant:

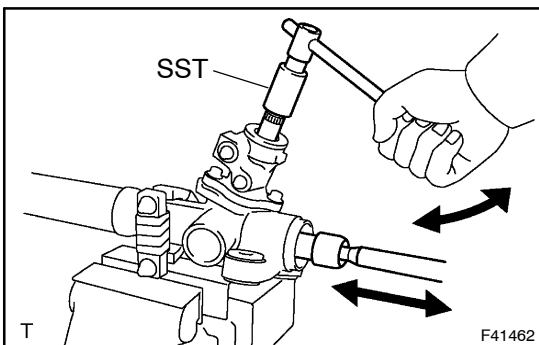
Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent

- (e) Clean up the screw part of rack housing and rack guide spring cap.
- (f) Using a hexagon wrench (24 mm), temporarily install the rack guide spring cap.

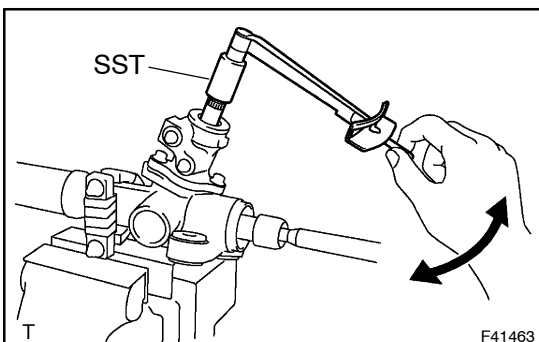
71. INSPECT TOTAL PRELOAD

- (a) To prevent the steering rack teeth from damaging the oil seal lip, temporarily install the RH and LH rack ends.
- (b) Using a hexagon wrench (24 mm), torque the rack guide spring cap.

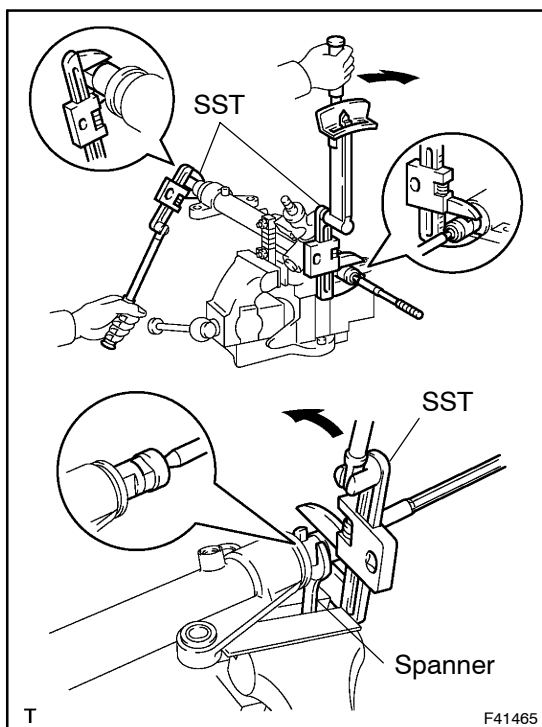
Torque: 83.7 N·m (854 kgf·cm, 62 ft·lbf)



- (c) Using SST, turn the control valve shaft right and left 1 or 2 times.
SST 09616-00011
- (d) Using a hexagon wrench (24 mm), loosen the rack guide spring cap until the rack guide spring is not functioning.



- (e) Using SST and a torque wrench, check the preload.
SST 09616-00011
Preload (turning):
1.1 – 1.5 N·m (11 – 15 kgf·cm, 9.7 – 13.0 in·lbf)
- (f) Remove the RH and LH rack ends.



72. INSTALL STEERING RACK END SUB-ASSY

- (a) Install 2 new claw washers, and temporally install the rack ends.

HINT:

Align the claws of the claw washer with the steering rack grooves.

- (b) Apply MP grease to the rack end ball joint.
 (c) Using 2 SST, install the rack end sub-assy (RH side).
 SST 09922-10010

Torque: 72 N·m (736 kgf·cm, 53 ft·lbf)

NOTICE:

Use SST 09922-10010 in the direction shown in the illustration.

HINT:

- Using SST, hold the rack and install the rack end sub-assy.
 - Use a torque wrench with a fulcrum length of 425 mm (16.73 in.).
- (d) Using SST and a spanner (22 mm), tighten the rack end (LH side).

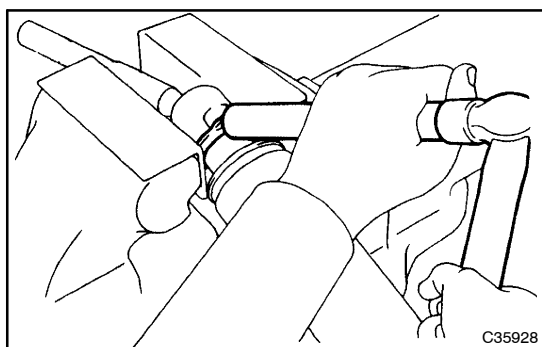
Torque: 72 N·m (736 kgf·cm, 53 ft·lbf)

NOTICE:

Use SST 09922-10010 in the direction shown in the illustration.

HINT:

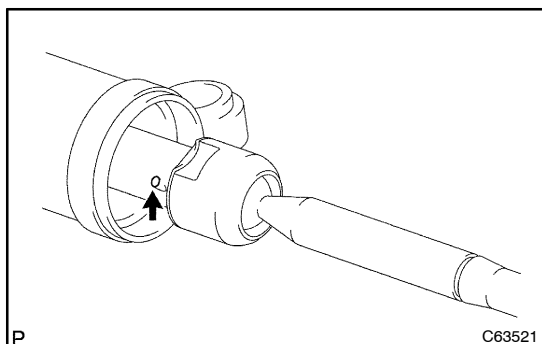
- Using SST, hold the rack and install the rack end.
- Use a torque wrench with a fulcrum length of 425 mm (16.73 in.).



- (e) Using a brass bar and a hammer, stake the 2 claw washers.

NOTICE:

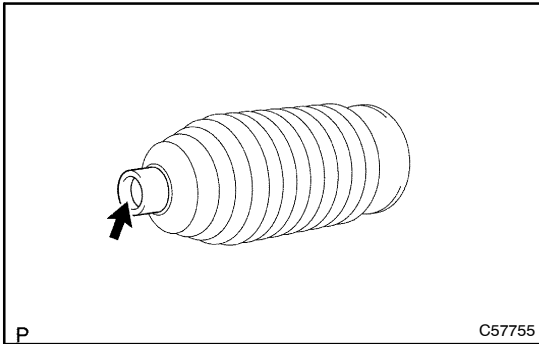
Avoid any impact to the steering rack.



- (f) Ensure that the steering rack hole is not clogged with grease.

HINT:

If the hole is clogged, the pressure inside the boot will change after it is assembled and steering wheel is turned.



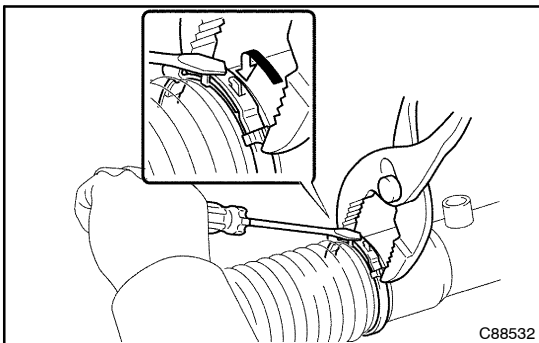
73. INSTALL STEERING RACK BOOT NO.2

- Apply silicon grease to the inside small caliber of steering rack boots No.2.
- Install the steering rack boots No.2 to the groove on the rack housing.

74. INSTALL STEERING RACK BOOT NO.1

HINT:

Install the rack boot No.1 by the same procedures with rack boot No.2.



75. INSTALL STEERING RACK BOOT NO.2 CLAMP

- Using pliers and a screwdriver, install a new rack boot No.2 clamp.

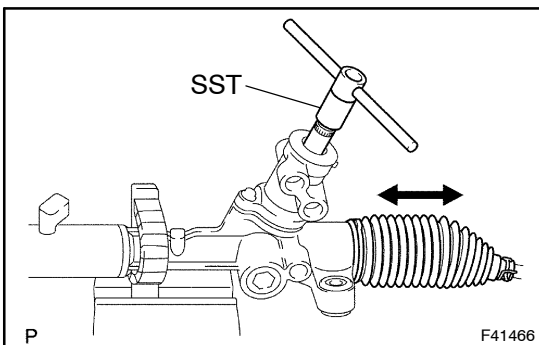
NOTICE:

Be careful not to damage or twist the rack boot.

76. INSTALL STEERING RACK BOOT NO.1 CLAMP

HINT:

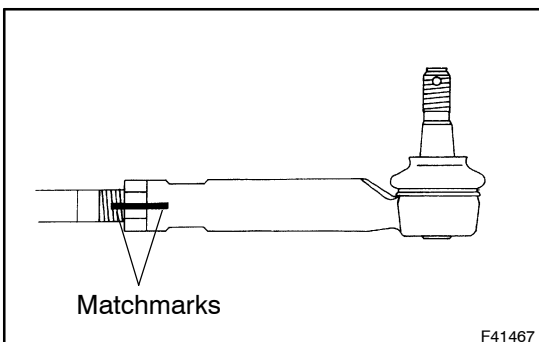
Install the rack boot No.1 clamp by the same procedures with rack boot No.2 clamp.



77. INSTALL STEERING RACK BOOT CLIP

- Using pliers, install the 2 boot clips.
- Using SST, turn the control valve, and check that the rack boots expand and contract smoothly.

SST 09616-00011



78. INSTALL TIE ROD END SUB-ASSY LH

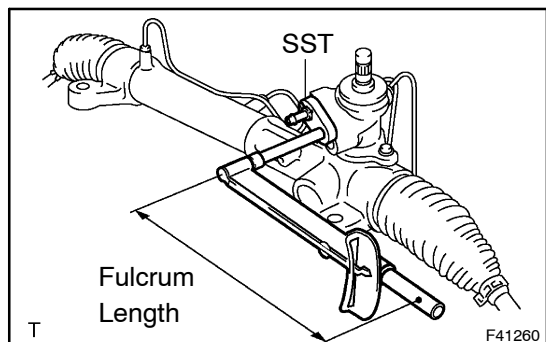
- Screw the lock nut and tie rod end sub-assy LH onto the rack end until the matchmarks are aligned.

HINT:

After adjusting toe-in, torque the lock nut.

79. INSTALL TIE ROD END SUB-ASSY RH**HINT:**

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

**80. INSTALL STEERING GEAR OUTLET RETURN TUBE(RHD STEERING POSITION TYPE)**

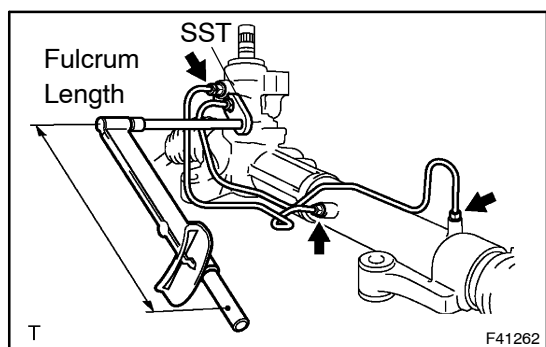
- (a) Using SST, install the outlet turn tube to the steering gear assy.

SST 09023-12700

Torque: 40.6 N·m (415 kgf·cm, 30 ft·lbf)

HINT:

- Use a torque wrench with a fulcrum length of 345 mm (13.58 in.).
- This torque value is effective in the case that SST is parallel to a torque wrench.

81. INSTALL STEERING RACK BUSH**82. INSTALL RACK & PINION POWER STEERING GEAR ASSY**

- (a) Using SST, install the left turn pressure tube to the steering gear assy.

SST 09023-38200

Torque: 22.2 N·m (227 kgf·cm, 16 ft·lbf)

HINT:

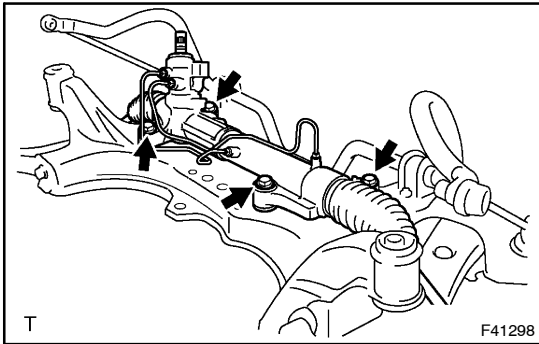
- Use a torque wrench with a fulcrum length of 300 mm (11.81 in.).
 - This torque value is effective in the case that SST is parallel to a torque wrench.
- (b) Using SST, install the right turn pressure tube to the steering gear assy.

SST 09023-38200

Torque: 22.2 N·m (227 kgf·cm, 16 ft·lbf)

HINT:

- Use a torque wrench with a fulcrum length of 300 mm (11.81 in.).
- This torque value is effective in the case that SST is parallel to a torque wrench.



- (c) Install the power steering gear assy with the 4 bolts and nuts.

Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)

NOTICE:

- The 4 push must be securely installed to the power steering gear assy.
- When tightening the installation bolt for power steering gear, the push should not bitten in.

83. INSTALL FRONT SUSPENSION CROSSMEMBER SUB-ASSY

(See page 26-14)

84. INSTALL FRONT SUSPENSION MEMBER BRACE REAR LH

(See page 26-14)

85. INSTALL FRONT SUSPENSION MEMBER BRACE REAR RH

HINT:

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

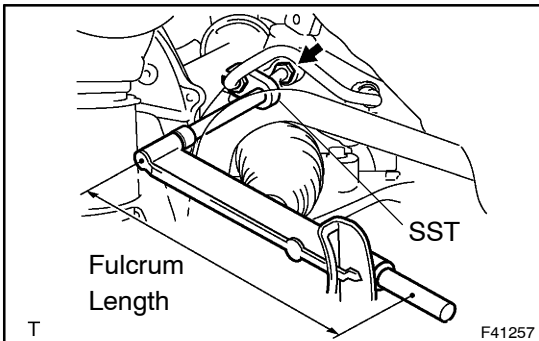
86. CONNECT FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH

(See page 26-14)

87. CONNECT FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 RH

HINT:

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



88. CONNECT PRESSURE FEED TUBE ASSY (LHD STEERING POSITION TYPE)

- (a) Install the pressure feed tube clamp with the bolt.

Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)

- (b) Using SST, connect the pressure feed tube assy to the steering gear.

SST 09023-12700

Torque: 40.6 N·m (415 kgf·cm, 30 ft·lbf)

HINT:

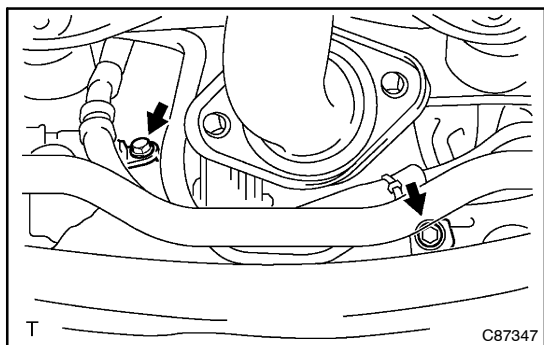
- Use a torque wrench with a fulcrum length of 345 mm (13.58 in.).
 - This torque value is effective in the case that SST is parallel to a torque wrench.
- (c) Using SST, connect the return tube assy to the steering gear.

SST 09023-12700

Torque: 40.6 N·m (415 kgf·cm, 30 ft·lbf)

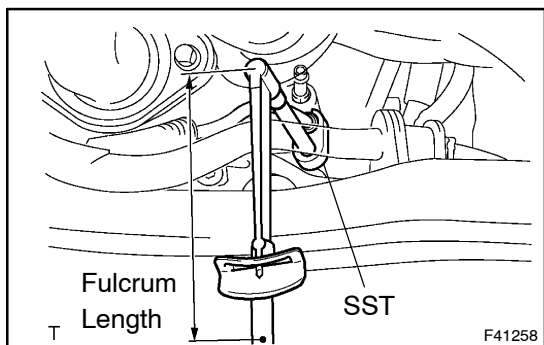
HINT:

- Use a torque wrench with a fulcrum length of 345 mm (13.58 in.).
- This torque value is effective in the case that SST is parallel to a torque wrench.



89. CONNECT PRESSURE FEED TUBE ASSY (RHD STEERING POSITION TYPE)

- (a) Install the 2 pressure feed tube clamps with the 2 bolts.
Torque: 7.8 N·m (80 kgf·cm, 69 in. lbf)



- (b) Using SST, connect the pressure feed tube assy to the steering gear.

SST 09023-12700

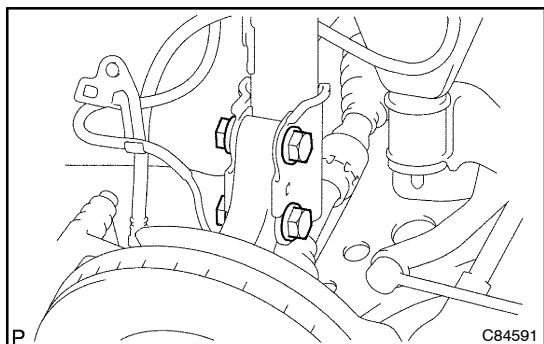
Torque: 40.6 N·m (415 kgf·cm, 30 ft·lbf)

HINT:

- Use a torque wrench with a fulcrum length of 345 mm (13.58 in.).
- This torque value is effective in the case that SST is parallel to a torque wrench.

90. CONNECT RETURN HOSE (RHD STEERING POSITION TYPE)

- (a) Connect the return hose with the clip.



91. SEPARATE FRONT AXLE ASSY LH

- (a) Remove the 2 bolts and nuts, separate the front axle assy LH from the front shock absorber.

92. CONNECT FRONT AXLE ASSY LH (See page 30-22)

93. SEPARATE FRONT AXLE ASSY RH

HINT:

Separate the RH side by the same procedures with LH side.

94. CONNECT FRONT AXLE ASSY RH

HINT:

Separate the RH side by the same procedures with LH side.

95. CONNECT FRONT STABILIZER LINK ASSY LH

(See page 26-14)

96. CONNECT FRONT STABILIZER LINK ASSY RH

HINT:

Separate the RH side by the same procedures with LH side.

97. CONNECT TIE ROD END SUB-ASSY LH

(a) Connect the tie rod end sub-assy LH with the nut.

Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)

(b) Install a new cotter pin.

NOTICE:

If the holes for a new cotter pin are not aligned, tighten the nut further up 60°.

98. CONNECT TIE ROD END SUB-ASSY RH**HINT:**

Connect the RH side by the same procedures with LH side.

99. INSTALL SPEED SENSOR FRONT LH

(See page 30-22)

100. INSTALL SPEED SENSOR FRONT RH**HINT:**

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

101. INSTALL FRONT AXLE HUB LH NUT

(See page 30-22)

SST 09930-00010

102. INSTALL FRONT AXLE HUB RH NUT**HINT:**

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

SST 09930-00010

103. STABILIZE SUSPENSION (See page 26-14)**104. INSTALL FRONT WHEEL**

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

105. INSTALL COWL TOP PANEL SUB-ASSY OUTER

(See page 26-14)

106. INSTALL WIPER LINK ASSY

(See page 66-9)

107. INSTALL COWL TOP VENTILATOR LOUVER SUB-ASSY

(See page 66-9)

108. INSTALL FR WIPER ARM RH

(See page 66-9)

109. INSTALL FR WIPER ARM LH (3 LINK TYPE FR WIPER)

(See page 66-9)

110. INSTALL FR WIPER ARM LH (4 LINK TYPE FR WIPER)

(See page 66-9)

111. INSTALL COWL TOP VENTILATOR LOUVER CENTER NO.1**112. INSTALL FRONT WIPER ARM HEAD CAP**

(See page 66-9)

113. INSTALL HOOD SUB-ASSY

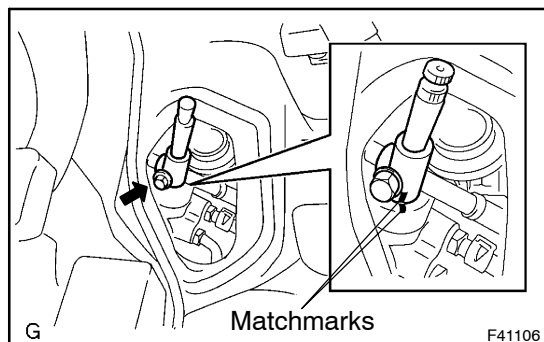
Torque: 13 N·m (132 kgf·cm, 10 ft·lbf)

114. INSPECT HOOD SUB-ASSY

(See page 75-1)

115. ADJUST HOOD SUB-ASSY

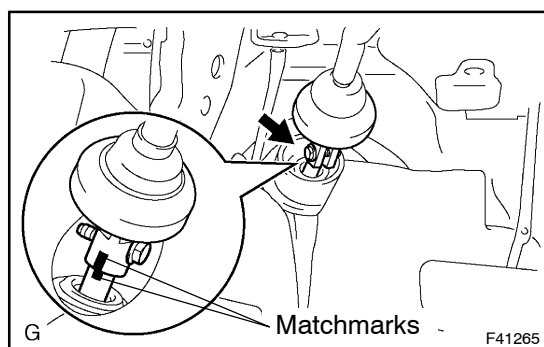
(See page 75-1)

**116. INSTALL STEERING INTERMEDIATE SHAFT**

- (a) Align the matchmarks on the intermediate shaft and steering gear assy.
- (b) Install the bolt.

Torque: 36 N·m (367 kgf·cm, 27 ft·lbf)**117. INSTALL STEERING COLUMN HOLE COVER SUB-ASSY NO.1**

- (a) Install the steering column hole cover No.1 with the 3 bolts.

Torque: 5.0 N·m (51 kgf·cm, 44 in·lbf)**118. CONNECT STEERING INTERMEDIATE SHAFT ASSY NO.2**

- (a) Align the matchmarks on the intermediate shaft assy No.2 and intermediate shaft sub-assy.
- (b) Connect the intermediate shaft assy No.2 with the bolt.

Torque: 36 N·m (367 kgf·cm, 27 ft·lbf)**119. PLACE FRONT WHEELS FACING STRAIGHT AHEAD****120. CENTER SPIRAL CABLE (See page 60-24)****121. INSTALL STEERING WHEEL ASSY**

(See page 60-24)

122. ADD POWER STEERING FLUID (See page 51-3)**123. BLEED POWER STEERING FLUID (See page 51-3)****124. INSPECT STEERING WHEEL CENTER POINT****125. INSTALL HORN BUTTON ASSY**

(See page 60-15)

126. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT (See page 26-4)**127. INSPECT STEERING WHEEL CENTER POINT****128. CHECK ABS SPEED SENSOR SIGNAL (See page 05-295)****129. INSPECT SRS WARNING LIGHT (See page 05-403)**