320DG–01

REPLACEMENT

1. DRAIN BRAKE FLUID

NOTICE:

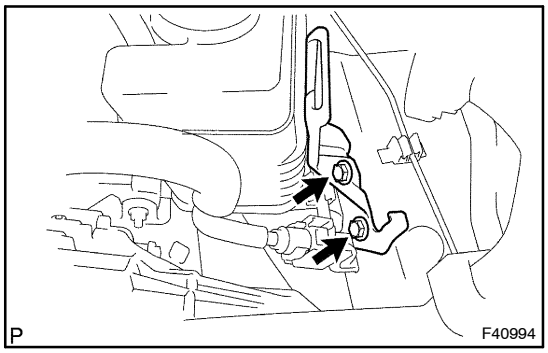
Wash off the brake fluid immediately if it comes into contact with a painted surface.

2. REMOVE AIR CLEANER ASSY(LHD STEERING POSITION TYPE)

3. REMOVE ENGINE COVER SUB–ASSY NO.1(RHD STEERING POSITION TYPE, 2AZ–FE ENGINE TYPE, 1AZ–FE ENGINE TYPE)

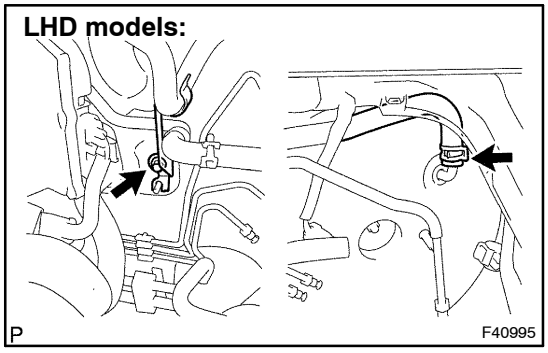
(a) Remove the 4 nuts and engine cover No.1.

4. REMOVE BRAKE MASTER CYLINDER SUB–ASSY
(See page 32–11)
SST 09023–00100



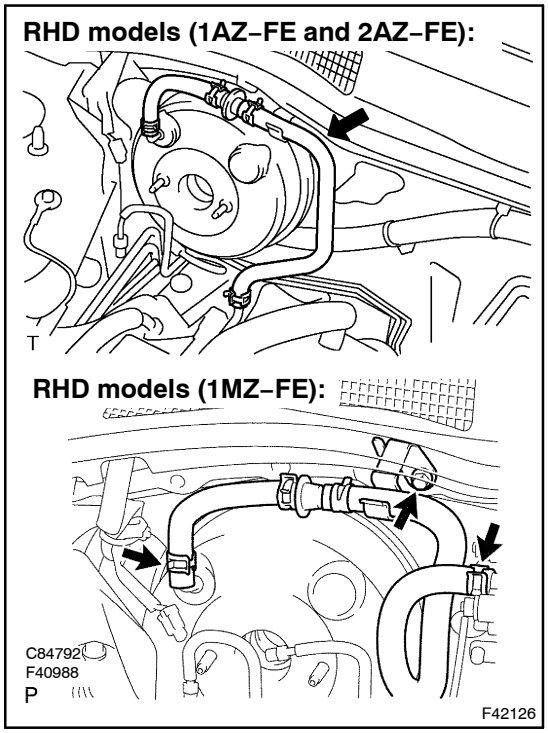
5. SEPARATE CHARCOAL CANISTER ASSY(LHD STEERING POSITION TYPE, 1MZ–FE ENGINE TYPE)

(a) Remove the 2 bolts and separate the charcoal canister from the body.

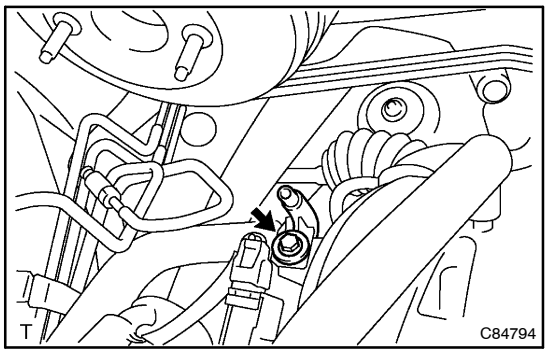


6. DISCONNECT VACUUM HOSE ASSY

(a) LHD models:
(1) Remove the bolt and separate the vacuum hose from the vacuum hose bracket.
(2) Slide the clip and disconnect the vacuum hose from the brake booster.



(b) RHD models:
(1) Slide the 2 clips and disconnect the vacuum hose from the brake booster.
(2) Remove the bolt and vacuum check valve bracket.



7. REMOVE BOOSTER VACUUM TUBE(RHD STEERING POSITION TYPE, 2AZ–FE ENGINE TYPE, 1AZ–FE ENGINE TYPE)

(a) Remove the bolt and booster vacuum tube from engine.
(b) Slide the clip and disconnect the tube from booster vacuum tube.

8. REMOVE FRONT DOOR SCUFF PLATE LH
(See page 71–10)

9. REMOVE COWL SIDE TRIM SUB–ASSY LH
(See page 71–10)

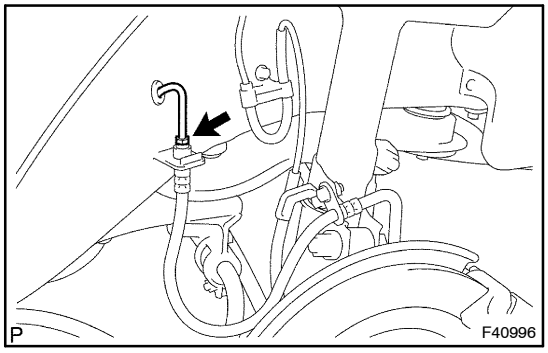
10. REMOVE INSTRUMENT PANEL SUB–ASSY UPPER
(See page 71–10)

11. REMOVE PUSH ROD PIN

(a) Remove the clip and push rod pin.

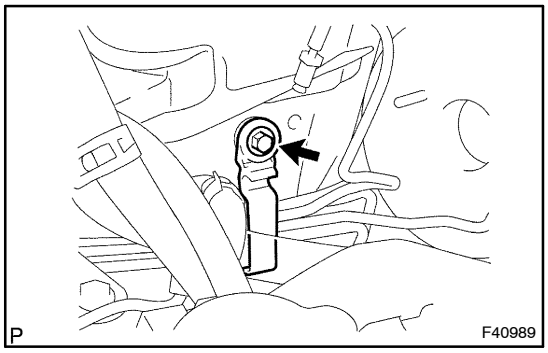
12. REMOVE BRAKE MASTER CYLINDER PUSH ROD CLEVIS

(a) Loosen the lock nut and remove the push rod clevis.



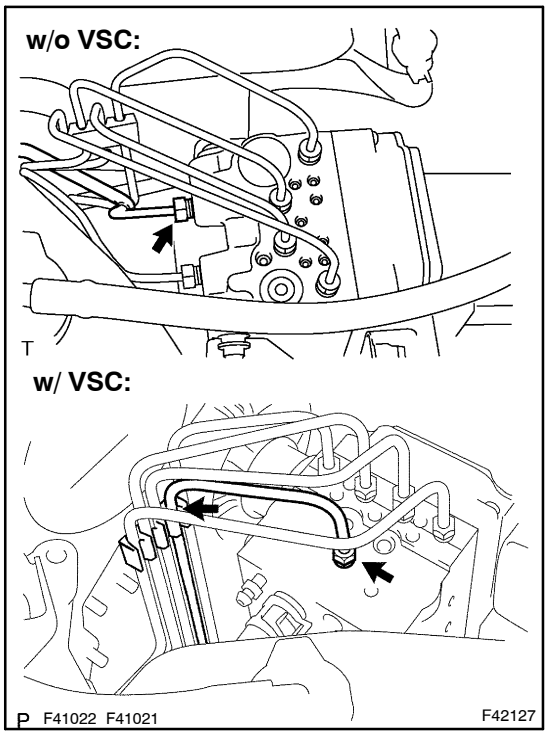
13. REMOVE FRONT BRAKE TUBE NO.5(LHD STEERING POSITION TYPE, 1MZ–FE ENGINE TYPE)

(a) Using SST and remove the front brake tube No.5.
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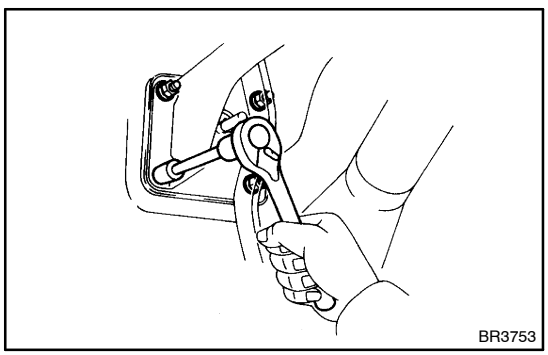


14. REMOVE BRAKE BOOSTER ASSY

(a) RHD models (1MZ–FE):
(1) Remove the bolt and sepalate the brake tube No.3.



(2) Disconnect the brake tube No.2 from brake actuator.
(3) Disconnect the brake tube No.2 from grommet.
(4) Disconnect the brake tube No.1 and No.2 from brake tube clamp No.1.

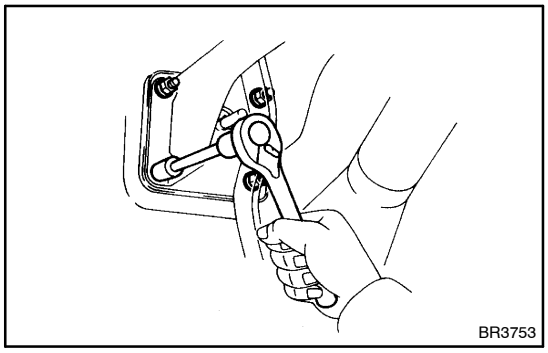


(b) Remove the 4 nuts and clevis.
(c) Pull out the brake booster assy.

15. REMOVE BRAKE BOOSTER GASKET

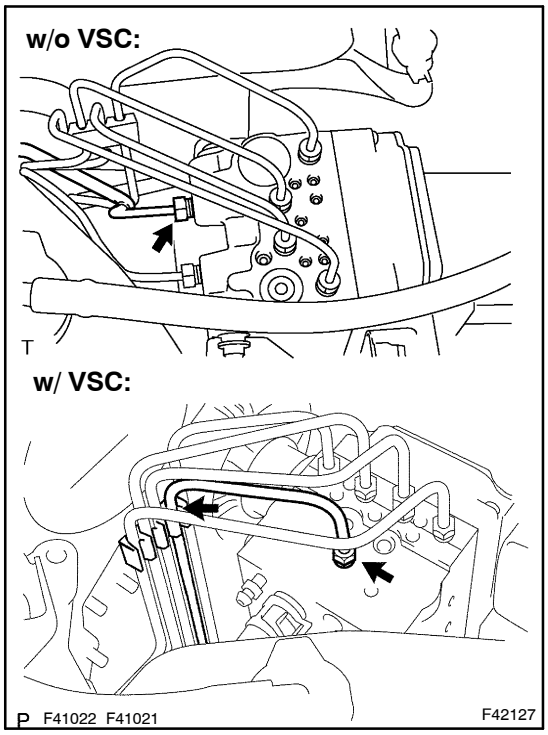
16. INSTALL BRAKE BOOSTER GASKET

(a) Install a new brake booster gasket to the brake booster.

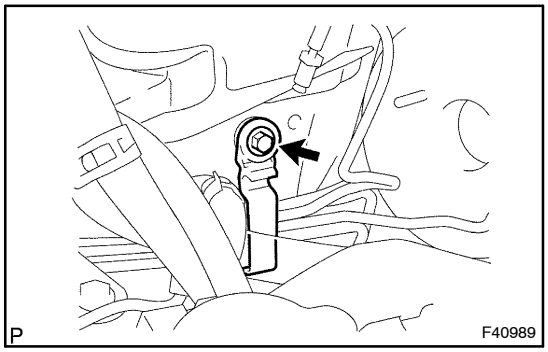


17. INSTALL BRAKE BOOSTER ASSY

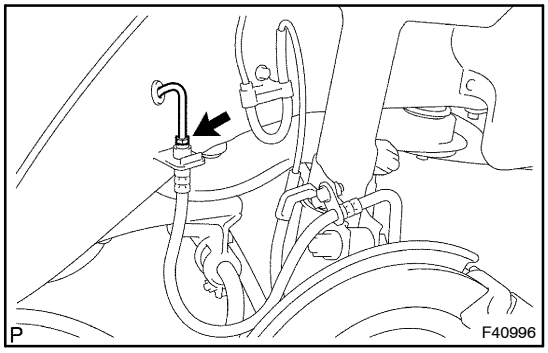
(a) Install the brake booster with the 4 nuts.
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)



(b) RHD (1MZ–FE):
(1) Install the brake tube No.1 and No.2 to the brake actuator.
Torque: 15 N·m (155 kgf·cm, 11 ft·lbf)
(2) Connect the brake tube No.2 to the grommet.
(3) Connect the brake tube No.1 and No.2 to the brake tube clamp No.1.



(4) Install the brake tube clamp No.3 with the bolt to the body.
Torque: 7.8 N·m (80 kgf·cm, 69 in.·lbf)



18. INSTALL FRONT BRAKE TUBE NO.5(LHD STEERING POSITION TYPE, 1MZ–FE ENGINE TYPE)

(a) Using SST and install the front brake tube No.5.
Torque: 15 N·m (155 kgf·cm, 11 ft·lbf)
SST 09023–00100

19. INSTALL BRAKE MASTER CYLINDER PUSH ROD CLEVIS

(a) Install the push rod clevis and lock nut.

20. INSTALL PUSH ROD PIN

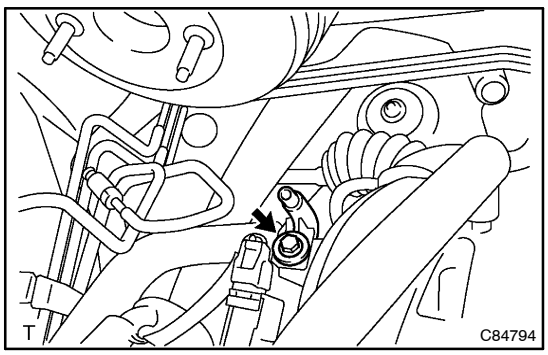
(a) Install the push rod pin and clip.

HINT:
Apply the lithium soap base glycol grease to the part indicate by arrow (See page 32–8).

21. INSTALL INSTRUMENT PANEL SUB–ASSY UPPER
(See page 71–10)

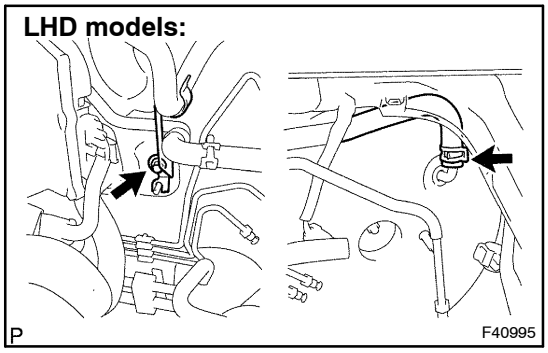
22. INSTALL COWL SIDE TRIM SUB–ASSY LH
(See page 71–10)

23. INSTALL FRONT DOOR SCUFF PLATE LH
(See page 71–10)



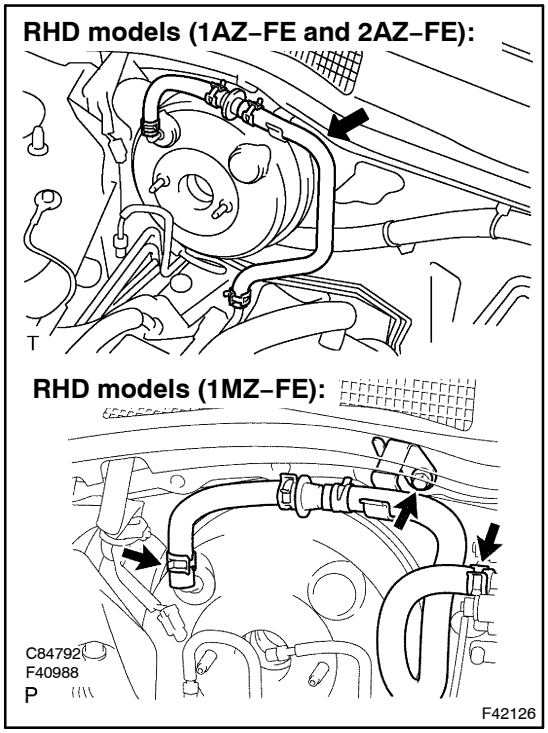
24. INSTALL BOOSTER VACUUM TUBE(RHD STEERING POSITION TYPE, 2AZ–FE ENGINE TYPE, 1AZ–FE ENGINE TYPE)

(a) Install the tube to the vacuum tube with a clip.
(b) Install the booster vacuum tube with the bolt.
Torque: 5.4 N·m (55 kgf·cm, 48 in.·lbf)



25. INSTALL VACUUM HOSE ASSY

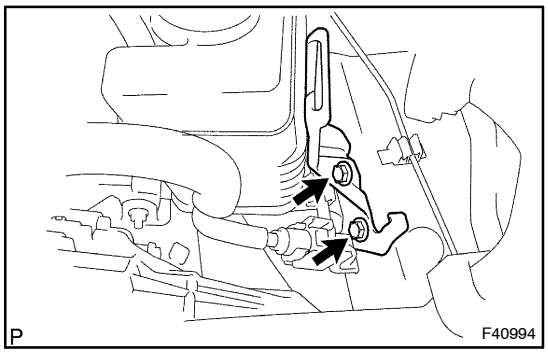
(a) LHD models:
(1) Install the vacuum hose and vacuum hose bracket to the body with a bolt.
Torque: 5.4 N·m (55 kgf·cm, 48 in.·lbf)
(2) Connect the vacuum hose to the brake booster with the clip.



(b) RHD models:

(1) Install the vacuum check valve bracket with a bolt.
Torque: 5.4 N·m (55 kgf·cm, 48 in.·lbf)

(2) install the vacuum hose to the brake booster with the 2 clips.



26. CONNECT CHARCOAL CANISTER ASSY(LHD STEERING POSITION TYPE, 1MZ–FE ENGINE TYPE)

(a) Install the charcoal canister with the 2 bolts.
Torque: 43 N·m (440 kgf·cm, 32 in.·lbf)

27. INSTALL BRAKE MASTER CYLINDER SUB–ASSY
(See page 32–11)
SST 09023–00100

28. INSTALL AIR CLEANER ASSY(LHD STEERING POSITION TYPE)

29. INSTALL ENGINE COVER SUB–ASSY NO.1(RHD STEERING POSITION TYPE, 2AZ–FE ENGINE TYPE, 1AZ–FE ENGINE TYPE)

(a) Install the engine cover No.1 with the 4 nuts.
Torque: 7.0 N·m (71 kgf·cm, 61 in.·lbf)

30. FILL RESERVOIR WITH BRAKE FLUID

31. BLEED MASTER CYLINDER(See page 32–4)
SST 09023–00100

32. BLEED BRAKE LINE(See page 32–4)

33. CHECK FLUID LEVEL IN RESERVOIR

34. CHECK BRAKE FLUID LEAKAGE

35. CHECK AND ADJUST BRAKE PEDAL HEIGHT(See page 32–6)