

REPLACEMENT

HINT:

- BRAKE BOOSTER ASSY (RHD) COMPONENTS (See page 32-16)
- PARTIAL ENGINE ASSY (1AZ-FE) COMPONENTS (See page 14-13)
- PARTIAL ENGINE ASSY (1CD-FTV) COMPONENTS (See page 14-82)
- FRONT SUSPENSION COMPONENTS (See page 26-2)
- TIMING BELT (1CD-FTV) COMPONENTS (See page 14-113)

1. DRAIN BRAKE FLUID

NOTICE:

Do not let brake fluid remain on a painted surface. Wash it off immediately.

2. REMOVE FRONT WIPER ARM HEAD CAP

(See page 66-9)

3. REMOVE FR WIPER ARM LH

(See page 66-9)

4. REMOVE FR WIPER ARM RH

(See page 66-9)

5. REMOVE COWL TOP VENTILATOR LOUVER SUB-ASSY

(See page 66-9)

6. REMOVE WIPER LINK ASSY

(See page 66-9)

7. REMOVE COWL TOP PANEL SUB-ASSY OUTER

(See page 26-7)

8. REMOVE BRAKE MASTER CYLINDER SUB-ASSY

(See page 32-11)

SST 09023-00100

9. REMOVE CLUTCH MASTER CYLINDER ASSY (M/T TRANSAXLE)

(See page 42-13)

10. REMOVE CLUTCH RESERVOIR TUBE (M/T TRANSAXLE)

- (a) Remove the 2 clips and clutch reservoir tube.

11. REMOVE RESERVOIR TUBE NO.2

- (a) Remove the 2 clips and clutch reservoir tube No.2.

12. REMOVE RESERVOIR TUBE NO.1

- (a) Remove the 2 clips and clutch reservoir tube No.1.

13. REMOVE BRAKE MASTER CYLINDER RESERVOIR SUB-ASSY

- (a) Remove the 2 bolts and reservoir sub-assy.

14. REMOVE FRONT BRAKE TUBE NO.2

- (a) Using SST, remove the front brake tube No. 2 from the brake actuator assy.

SST 09023-00100

15. REMOVE FRONT BRAKE TUBE NO.1

- (a) Using SST, remove the front brake tube No. 1 from the brake actuator assy.

SST 09023-00100

16. SEPARATE BRAKE MASTER CYLINDER PUSH ROD CLEVIS

- (a) Remove the clip and push rod clevis pin, and separate push rod clevis from the brake pedal.

17. REMOVE CYLINDER HEAD COVER SUB-ASSY(1AZ-FE ENGINE TYPE)

(See [page 14-53](#))

18. REMOVE CYLINDER HEAD COVER SUB-ASSY(1CD-FTV ENGINE TYPE)

(See [page 14-124](#))

19. REMOVE EXHAUST MANIFOLD CONVERTER SUB-ASSY(1AZ-FE ENGINE TYPE)

(See [page 14-20](#))

20. REMOVE TIMING BELT(1CD-FTV ENGINE TYPE)

(See [page 14-114](#))

21. SEPARATE PRESSURE FEED TUBE ASSY(1CD-FTV ENGINE TYPE)

- (a) Remove the unionbolt and gasket, and separate the pressure feed tube assy.
- (b) Remove the bolt and separate the pressure feed tube clamp.

22. REMOVE VACUUM WARNING SWITCH ASSY(1CD-FTV ENGINE TYPE)

- (a) Disconnect the vacuum warning switch connector.
- (b) Remove vacuum warning switch assy.

23. REMOVE BRAKE VACUUM CHECK VALVE ASSY

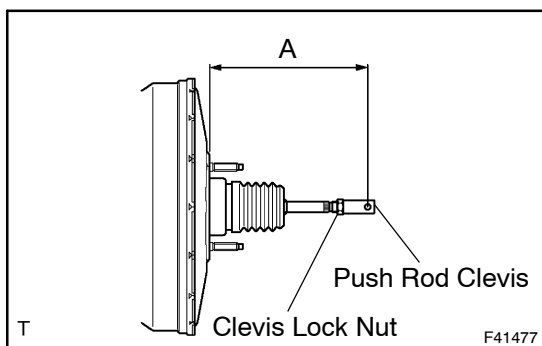
- (a) Remove the clip and disconnect the vacuum hose.
- (b) Remove the vacuum check valve assy.

24. REMOVE BRAKE BOOSTER ASSY

- (a) Remove the push rod clevis and lock nut from the brake booster assy.
- (b) Remove the 4 nuts, brake booster assy and gasket.

25. INSTALL BRAKE BOOSTER ASSY

- (a) Install a new gasket and brake booster assy.
- (b) Install the clevis lock nut and push rod clevis to the brake booster assy.



- (c) Turn the push rod clevis and adjust the length "A" in the illustration.

Length "A": 167.9–168.9 mm (6.610–6.650 in.)

- (d) Tighten the clevis lock nut.

Torque: 26.0 N·m (265 kgf·cm, 19.2 ft·lbf)

- (e) Install the 4 nuts to the brake booster assy.

Torque: 12.7 N·m (130 kgf·cm, 9.4 ft·lbf)

26. INSTALL BRAKE VACUUM CHECK VALVE ASSY

- (a) Install the vacuum check valve assy.
- (b) Connect the vacuum hose with the clip.

27. INSTALL VACUUM WARNING SWITCH ASSY(1CD-FTV ENGINE TYPE)

- (a) Install the vacuum warning switch assy.
Torque: 13.7 N·m (140 kgf·cm, 10.1 ft·lbf)
- (b) Connect the vacuum warning switch connector.

28. CONNECT PRESSURE FEED TUBE ASSY(1CD-FTV ENGINE TYPE)

- (a) Connect the pressure feed tube clamp with the bolt.
Torque: 7.8 N·m (80 kgf·cm, 10.1 in·lbf)
- (b) Install the pressure feed tube and a new gasket with the unionbolt.
Torque: 51.5 N·m (525 kgf·cm, 38.0 ft·lbf)

29. INSTALL TIMING BELT(1CD-FTV ENGINE TYPE)[\(See page 14-114\)](#)**30. INSTALL EXHAUST MANIFOLD CONVERTER SUB-ASSY(1AZ-FE ENGINE TYPE)**[\(See page 14-20\)](#)**31. CYLINDER HEAD COVER SUB-ASSY(1AZ-FE ENGINE TYPE)**[\(See page 14-53\)](#)**32. INSTALL CYLINDER HEAD COVER SUB-ASSY(1CD-FTV ENGINE TYPE)**[\(See page 14-124\)](#)**33. CONNECT BRAKE MASTER CYLINDER PUSH ROD CLEVIS**

- (a) Apply the lithium soap base glycol grease on the push rod clevis pin.
- (b) Connect push rod clevis and brake pedal with the push rod clevis pin and clip.

34. INSTALL FRONT BRAKE TUBE NO.1

- (a) Using SST, install the front brake tube No. 1 to the brake actuator assy.
SST 09023-00100
Torque: 15.0 N·m (153 kgf·cm, 11.1 ft·lbf)

35. INSTALL FRONT BRAKE TUBE NO.2

- (a) Using SST, install the front brake tube No. 2 to the brake actuator assy.
SST 09023-00100
Torque: 15.0 N·m (153 kgf·cm, 11.1 ft·lbf)

36. INSTALL BRAKE MASTER CYLINDER RESERVOIR SUB-ASSY

- (a) Install the reservoir sub-assy with the 2 bolts.
Torque: 8.8 N·m (90 kgf·cm, 78 in·lbf)

37. INSTALL RESERVOIR TUBE NO.1

- (a) Install the reservoir tube No.1 with the 2 clips .

38. INSTALL RESERVOIR TUBE NO.2

- (a) Install the reservoir tube No.2 with the 2 clips.

39. INSTALL CLUTCH RESERVOIR TUBE(M/T TRANSAXLE)

- (a) Install the clutch reservoir tube with the 2 clips.

40. INSTALL CLUTCH MASTER CYLINDER ASSY(M/T TRANSAXLE)[\(See page 42-13\)](#)

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41. INSTALL BRAKE MASTER CYLINDER SUB-ASSY
(See page 32-11)
42. INSTALL COWL TOP PANEL SUB-ASSY OUTER
(See page 26-7)
43. INSTALL WIPER LINK ASSY
(See page 66-9)
44. INSTALL COWL TOP VENTILATOR LOUVER SUB-ASSY
(See page 66-9)
45. INSTALL FR WIPER ARM LH
(See page 66-9)
46. INSTALL FR WIPER ARM RH
(See page 66-9)
47. INSTALL FRONT WIPER ARM HEAD CAP
(See page 66-9)
48. FILL RESERVOIR WITH BRAKE FLUID (See page 32-4)
49. BLEED MASTER CYLINDER (See page 32-4)
SST 09023-00100
50. BLEED BRAKE LINE (See page 32-4)
51. BLEED CLUTCH PIPE LINE (M/T TRANSAXLE)
52. CHECK FLUID LEVEL IN RESERVOIR (See page 32-4)
53. ADD POWER STEERING FLUID (1CD-FTV ENGINE TYPE)
54. BLEED POWER STEERING FLUID (1CD-FTV ENGINE TYPE) (See page 51-3)
55. CHECK BRAKE FLUID LEAKAGE
56. CHECK CLUTCH FLUID LEAKAGE (M/T TRANSAXLE)
57. CHECK POWERSTEERING FLUID LEAKAGE (1CD-FTV ENGINE TYPE)
58. CHECK AND ADJUST BRAKE PEDAL HEIGHT (See page 32-5)
59. CHECK PEDAL FREE PLAY (See page 32-5)
60. CHECK PEDAL RESERVE DISTANCE (See page 32-5)