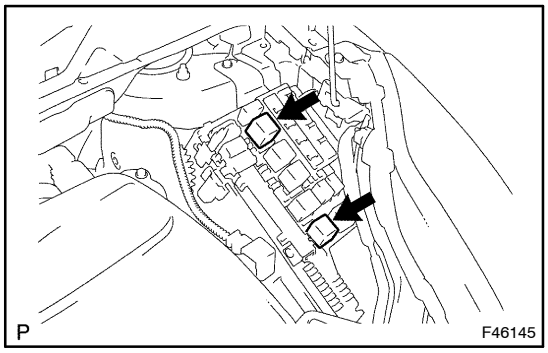
3214H–01

REPLACEMENT

1. REMOVE FR WIPER ARM LH (SEE PAGE 56–15)
2. REMOVE FR WIPER ARM RH (SEE PAGE 56–15)
3. REMOVE HOOD TO COWL TOP SEAL (SEE PAGE 56–15)
4. REMOVE COWL TOP VENTILATOR LOUVER LH (SEE PAGE 56–15)
5. REMOVE COWL TOP VENTILATOR LOUVER RH (SEE PAGE 56–15)
6. REMOVE WINDSHIELD WIPER MOTOR & LINK ASSY (SEE PAGE 56–15)



7. BRAKE CONTROL (ECB) OFF

NOTICE:

Prohibit the brake control (ECB) certainly before bleeding the brake fluid.

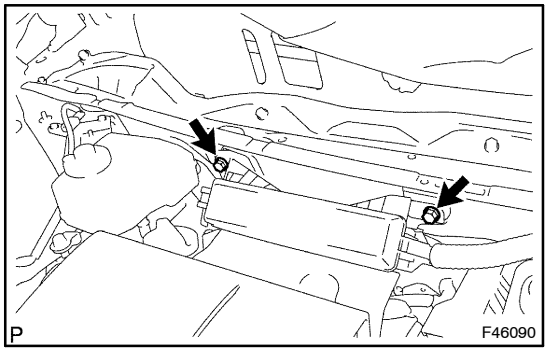
(a) With the power switch off to prohibit brake control, remove the motor relays No.1 and No.2.

NOTICE:

If the pump motor operates while there is air remaining inside the brake actuator hose, the air will enter the actuator, resulting in difficulty in air bleeding.

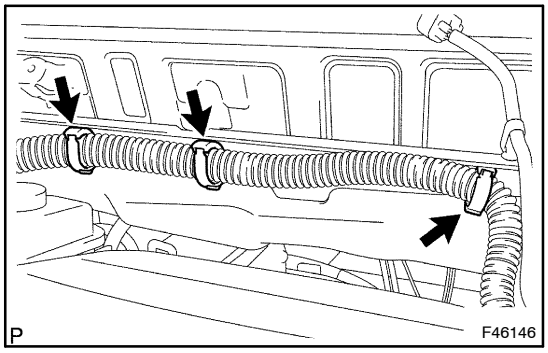
HINT:

Brake control (ECB) can be prohibited by selecting ”ECB INVALID” on the intelligent tester II.

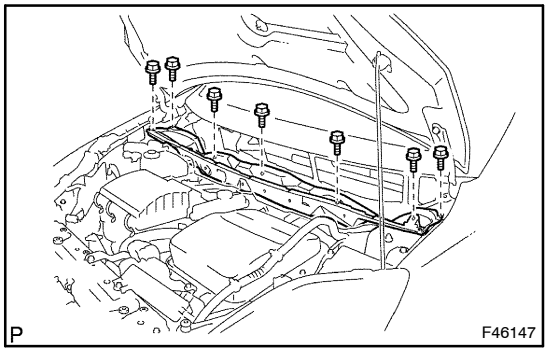


8. REMOVE COWL TOP PANEL SUB–ASSY OUTER FRONT

(a) Remove the 2 bolts and separate the engine room R/B No.2.



(b) Remove the 3 clamps from the cowl top panel sub–assy outer front.

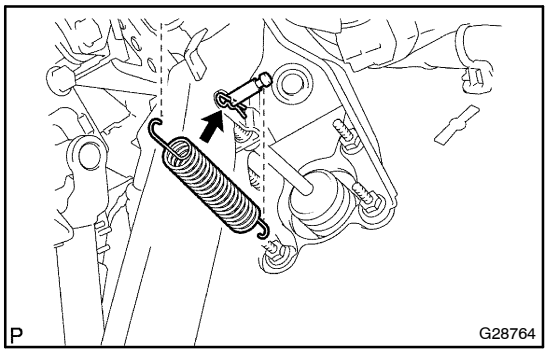


(c) Remove the 7 bolts and separate the cowl top panel sub–assy outer front.

9. DRAIN BRAKE FLUID

NOTICE:

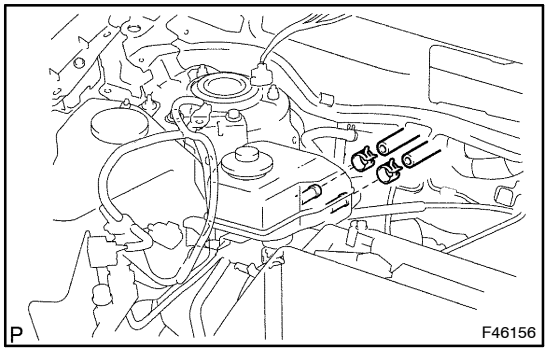
Wash brake fluid off immediately if it adheres to any painted surface.



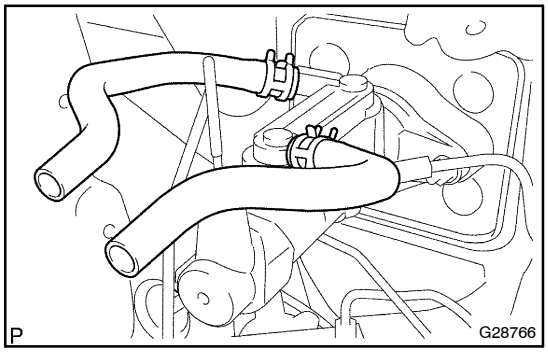
10. REMOVE BRAKE MASTER CYLINDER SUB–ASSY

(a) Remove the brake pedal return spring.

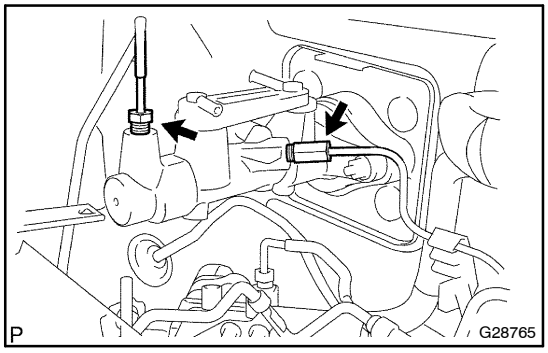
(b) Remove the clip and brake master cylinder push rod pin, and separate the push rod clevis from the brake pedal.



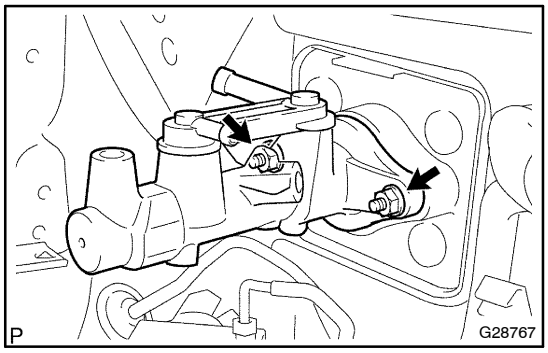
(c) Remove the 2 clips and separate the brake master cylinder reservoir tubes No.1 and No.2.



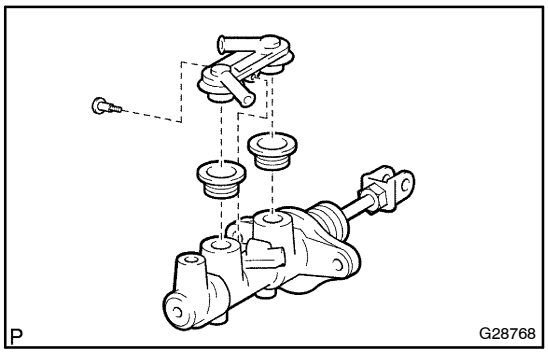
(d) Remove the 2 clips and separate the brake master cylinder reservoir tubes No.1 and No.2 from the brake master cylinder sub–assy.



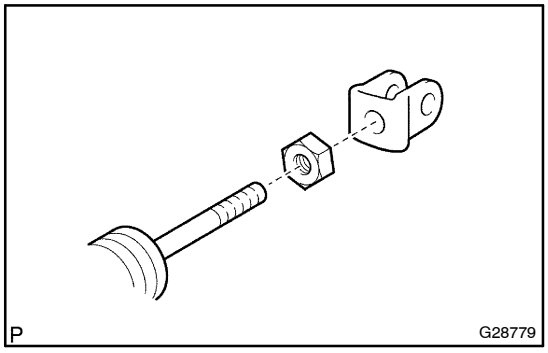
(e) Using SST, separate the front brake tube No.1 and No.2 from the brake master cylinder sub–assy.
SST 09023–00100



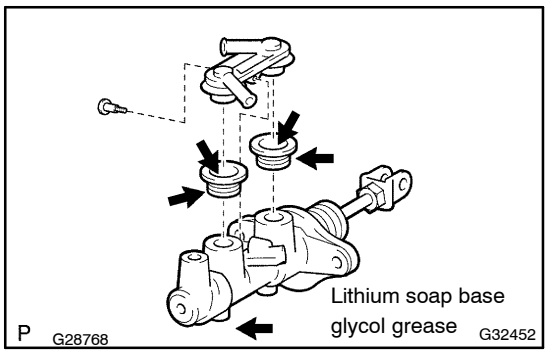
(f) Remove the 2 nuts, and remove the brake mater cylinder gasket and brake master cylinder sub–assy from the bracket.



(g) Remove the screw, and remove the brake master cylinder union No.1 and 2 grommets from the brake master cylinder sub–assy.



(h) Loosen the clevis lock nut and remove the brake master cylinder push rod clevis.



11. INSTALL BRAKE MASTER CYLINDER SUB–ASSY

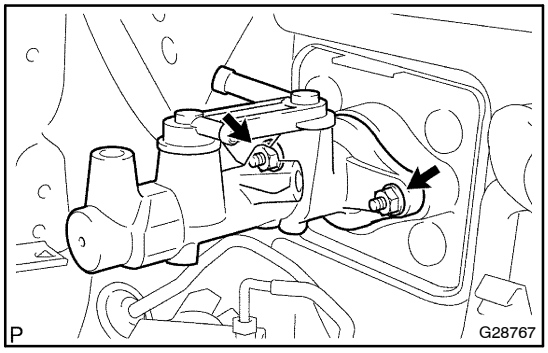
(a) Install the brake master cylinder push rod clevis to the brake master cylinder sub–assy, and fix by the lock nut.

HINT:

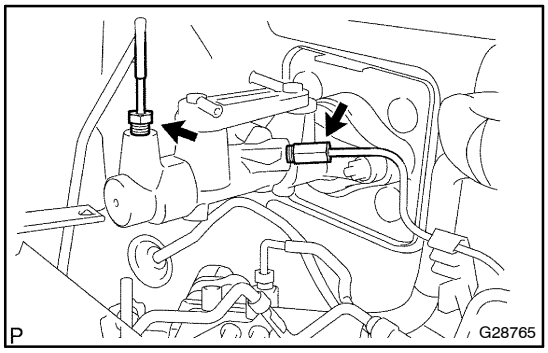
After adjusting the brake pedal height, torque the lock nut.

(b) Apply lithium soap base glycol grease to the 2 new grommets.

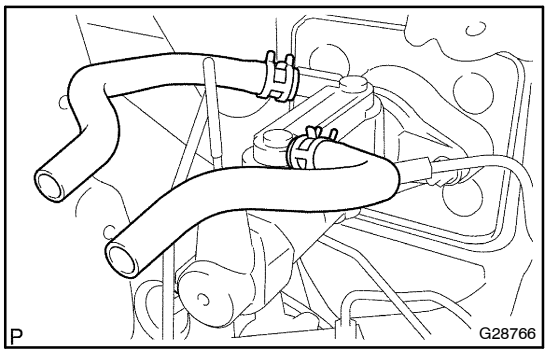
(c) Install the brake master cylinder union No.1 and 2 grommets to the brake master cylinder sub–assy with a screw.
Torque: 1.8 N·m (18 kgf·cm, 16 in.·lbf)



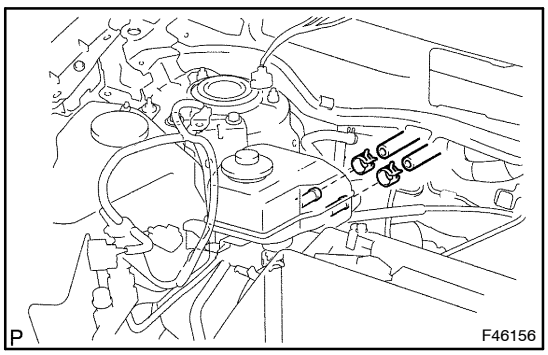
(d) Placing the gasket in between, install the brake master cylinder sub–assy to the bracket with 2 nuts.
Torque: 13 N·m (127 kgf·cm, 9 ft·lbf)



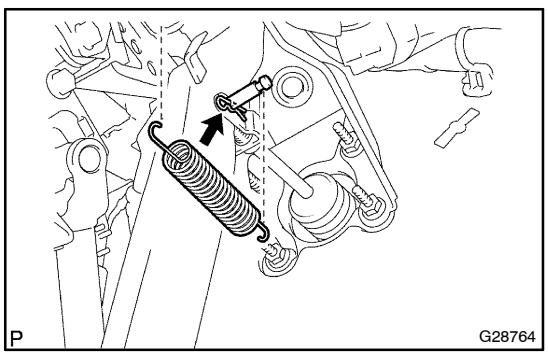
(e) Using SST, connect the 2 brake tubes to the brake master cylinder sub–assy.
SST 09023–00100
Torque: 15 N·m (155 kgf·cm, 11 ft·lbf)



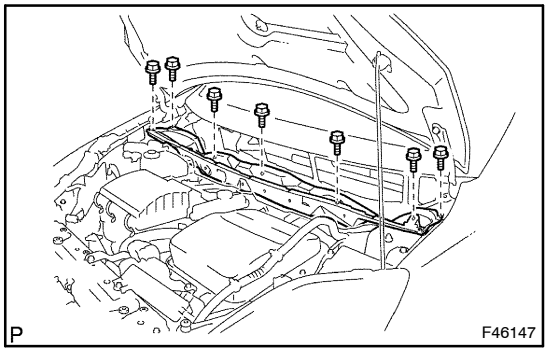
(f) Connect the brake master cylinder reservoir tubes No.1 and No.2 to the brake master cylinder sub–assy and hold it there with clips.



(g) Connect the brake master cylinder reservoir tubes No.1 and No.2 to the brake master cylinder reservoir assy w/ bracket and hold it there with clips.

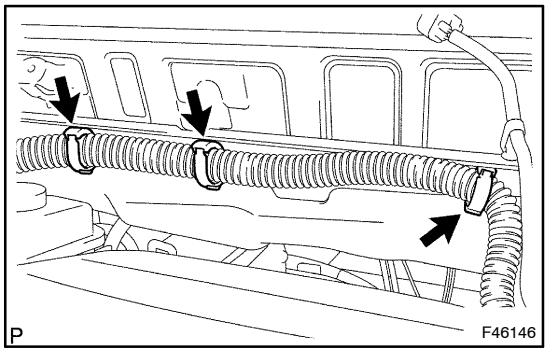


(h) Install the push rod clevis with the brake master cylinder push rod pin to the brake pedal.
(i) Install the clip and brake pedal return spring.

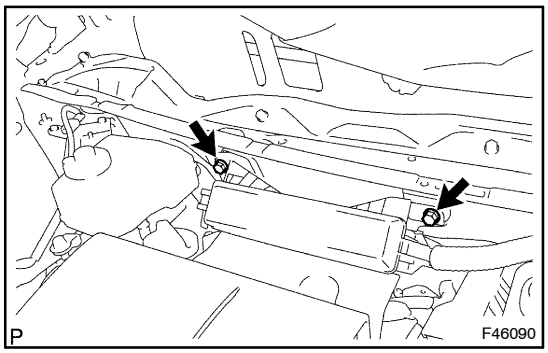


12. INSTALL COWL TOP PANEL SUB–ASSY OUTER FRONT

(a) Install the cowl top panel sub–assy outer front with the 7 bolts.
Torque: 6.4 N·m (65 kgf·cm, 57 in.·lbf)



(b) Install the 3 clamps to the cowl top panel sub–assy outer front.



(c) Install the engine room R/B No.2 with the 2 bolts.
Torque: 8.4 N·m (86 kgf·cm, 74 in.·lbf)

13. INSTALL WINDSHIELD WIPER MOTOR & LINK ASSY (SEE PAGE 66–15)
14. INSTALL FR WIPER ARM LH (SEE PAGE 66–15)
15. INSTALL FR WIPER ARM RH (SEE PAGE 66–15)
16. FILL RESERVOIR WITH BRAKE FLUID (SEE PAGE 32–4)
17. BLEED MASTER CYLINDER (SEE PAGE 32–4)
SST 09023–00100
18. BLEED MASTER CYLINDER W/ STROKE SIMULATOR (SEE PAGE 32–4)
19. CHECK BRAKE FLUID LEAKAGE
20. CHECK FLUID LEVEL IN RESERVOIR
21. CHECK AND ADJUST BRAKE PEDAL HEIGHT (SEE PAGE 32–15)
22. CHECK PEDAL FREE PLAY (SEE PAGE 32–15)
23. CHECK PEDAL RESERVE DISTANCE (SEE PAGE 32–15)
24. CHECK AND CLEAR DTC (SEE PAGE 05–738)