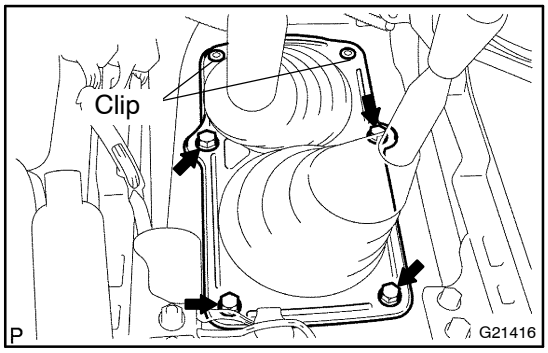
410C1–01

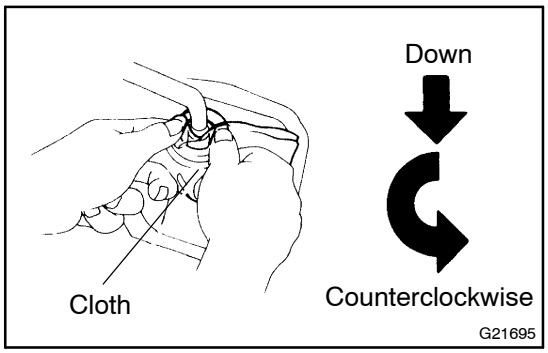
REPLACEMENT

1. SEPARATE BATTERY NEGATIVE TERMINAL
2. REMOVE CONSOLE UPPER PANEL GARNISH NO.2 (See page 71–13)
3. REMOVE CONSOLE UPPER PANEL GARNISH NO.1 (See page 71–13)
4. REMOVE CONSOLE PANEL UPPER ASSY (See page 71–13)



5. REMOVE SHIFT LEVER BOOT ASSY

(a) Remove the 4 screws, 2 clips and shift lever boot assy.

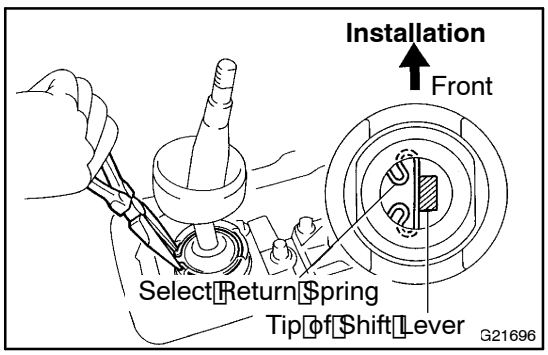


6. REMOVE FLOOR SHIFT SHIFT LEVER ASSY

(a) Cover the shift lever cap with a cloth.

(b) Pressing down on the shift lever cap and rotate it counterclockwise to remove.

(c) Pull out the shift lever.

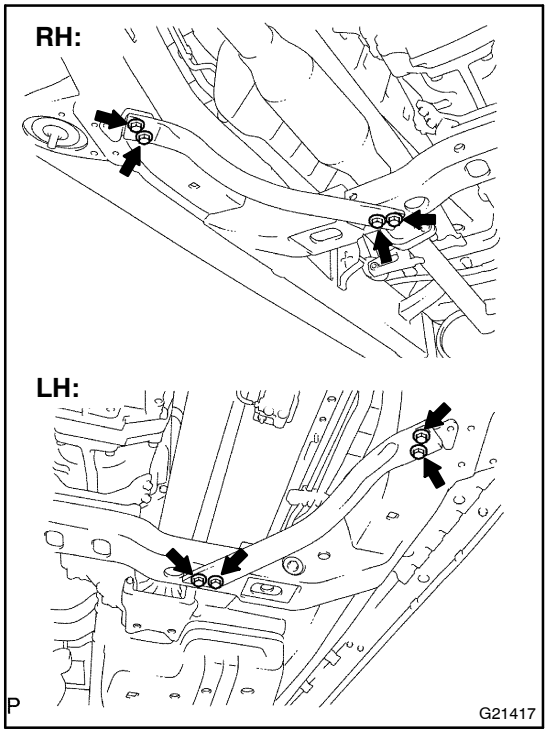


7. REMOVE TRANSFER HIGH & LOW SHIFT LEVER ASSY

(a) Using needle nose pliers, remove the snap ring and pull out the shift lever.

HINT:
Shift the transfer shift lever to the ”H4” position.

8. REMOVE ENGINE UNDER COVER ASSY REAR
9. DRAIN MANUAL TRANSMISSION OIL
   Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)



10. REMOVE FRONT SUSPENSION MEMBER BRACKET LH

(a) Remove the 4 bolts and front suspension member bracket LH.

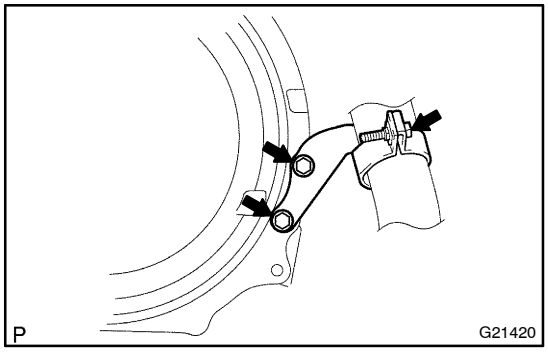
11. REMOVE FRONT SUSPENSION MEMBER BRACKET

HINT:

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

12. REMOVE PROPELLER SHAFT ASSY (See page 30–12)

13. REMOVE PROPELLER SHAFT ASSY FRONT (See page 30–4)

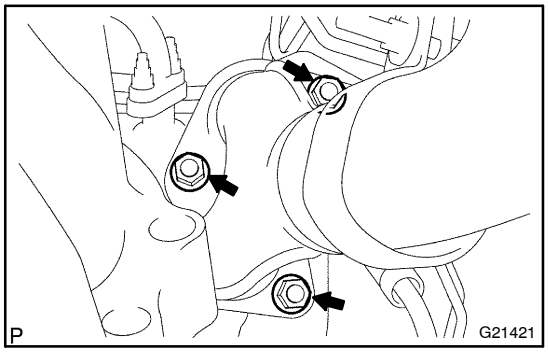


14. REMOVE EXHAUST PIPE ASSY FRONT

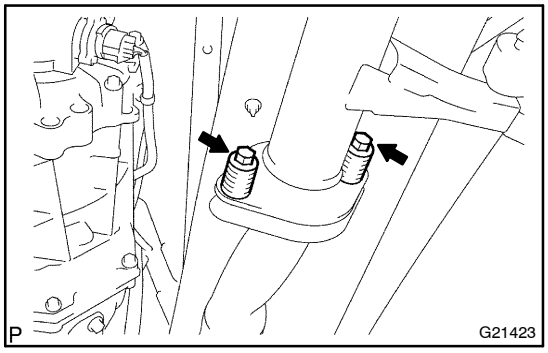
(a) Loosen the clamp bolt and slide down the clamp from the exhaust pipe support bracket No.1.

(b) Remove the 2 bolts and exhaust pipe support bracket No.1.

(c) separate the oxygen sensor connector.



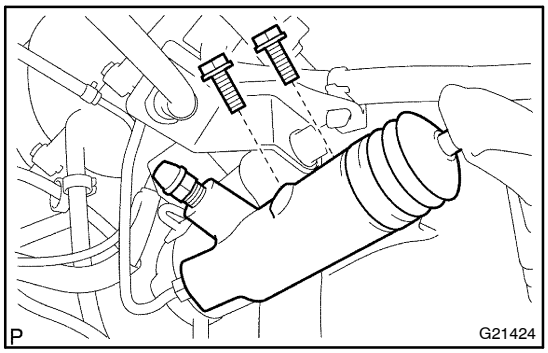
(d) Remove the 3 nuts.



(e) Remove the 2 bolts and 2 compression springs.
(f) Remove the exhaust pipe assy front and 3 gaskets.

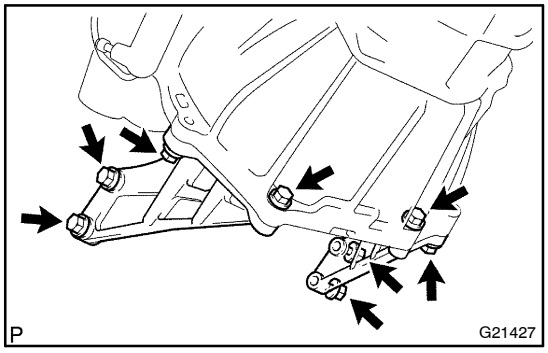
15. SEPARATE WIRE HARNESS

(a) Transmission side:
Separate the buck up lamp switch connector.
(b) Transfer side:
(1) w/o Transfer shift actuator:
Separate the transfer indicator switch No.1, No.2, No.3, connecter and speedometer sensor connector.
(2) w/ Transfer shift actuator:
Separate the transfer indicator switch No.1, No.2, No.3, connector, speedometer sensor connector and transfer shift actuator connector.



16. SEPARATE CYLINDER ASSY, CLUTCH RELEASE

(a) Remove the 2 bolts and separate the clutch release cylinder assy.



17. REMOVE STIFFENER PLATE LH (MTM)

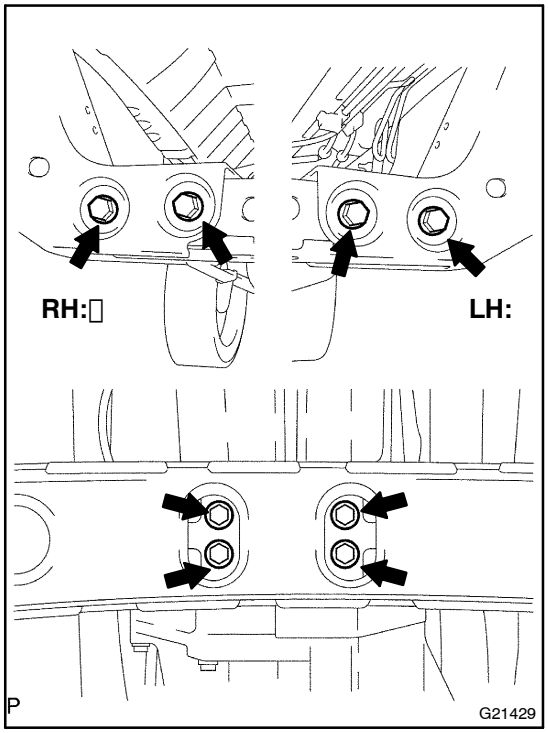
(a) Remove the 4 set bolts and stiffener plate LH.

18. REMOVE STIFFENER PLATE RH (MTM)

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

19. REMOVE FLYWHEEL HOUSING UNDER COVER

(a) Remove the flywheel housing under cover with flywheel housing dust seal.

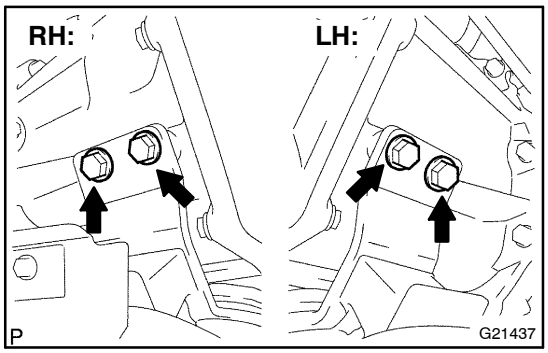


20. REMOVE FRAME CROSSMEMBER SUB-ASSY NO.3

(a) Support the transmission rear side.

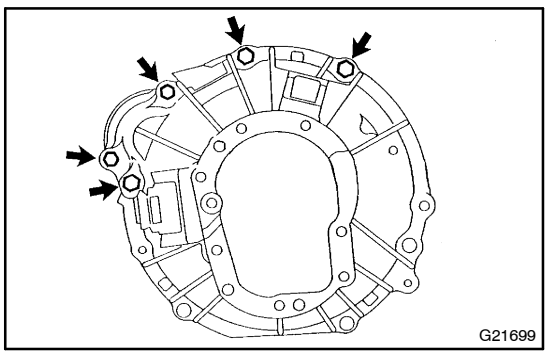
(b) Remove the 4 set bolts of the engine rear mounting.

(c) Remove the 8 bolts, nuts and frame crossmember sub-assy No.3.



21. REMOVE ENGINE MOUNTING INSULATOR REAR NO.1

(a) Remove the 4 bolts and engine mounting insulator rear No.1.



22. REMOVE TRANSMISSION UNIT ASSY

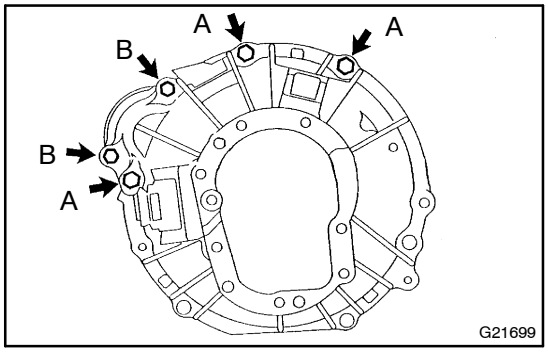
(a) Using a transmission jack, support the transmission unit assy.

(b) Remove the 4 bolts, nut, flywheel housing under cover and manual transmission unit assy.

(c) Remove the support stand to the rear side.

23. REMOVE TRANSFER ASSY (See page 31–18 or 31–51)

24. INSTALL TRANSFER ASSY (See page 31–18 or 31–51)

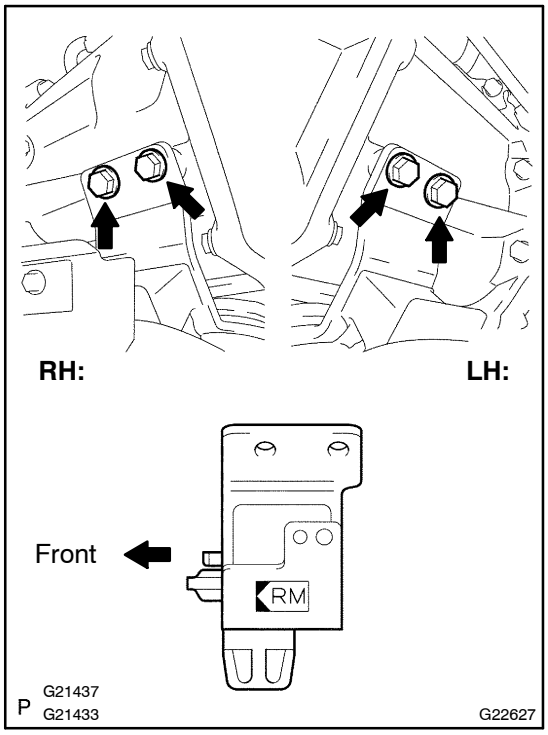


25. INSTALL TRANSMISSION UNIT ASSY

(a) Align the input shaft with the clutch disc and install the transmission unit to the engine.

(b) Install the flywheel housing under cover with the 5 bolts.

Torque:
A: 72 N·m (730 kgf·cm, 53 ft·lbf)
B: 39 N·m (400 kgf·cm, 29 ft·lbf)

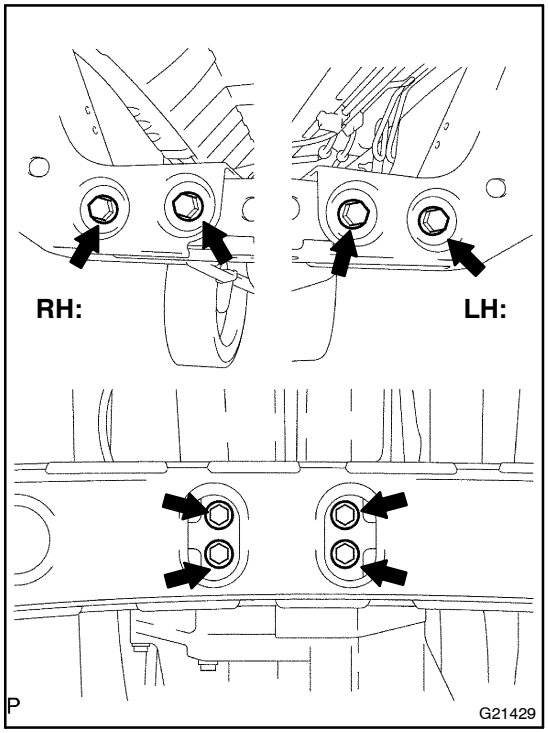


26. INSTALL ENGINE MOUNTING INSULATOR REAR NO.1

(a) Install the engine mounting insulator rear No.1 with the 4 bolts.

Torque: 65 N·m (660 kgf·cm, 48 ft·lbf)

HINT:
Install the engine mounting insulator rear No.1 with the inscribing mark facing sideward.



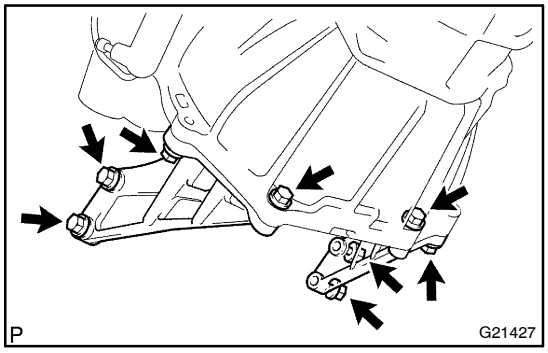
27. INSTALL FRAME CROSSMEMBER SUB–ASSY NO.3

(a) Install the frame crossmember sub–assy No.3 with the 8 bolts and nuts.

Torque: 72 N·m (735 kgf·cm, 53 ft·lbf)

(b) Install the 4 set bolts to the engine mounting insulator rear No.1.

Torque: 19 N·m (189 kgf·cm, 14 ft·lbf)



28. INSTALL STIFFENER PLATE LH (MTM)

(a) Install the flywheel housing under cover with the flywheel housing dust seal.

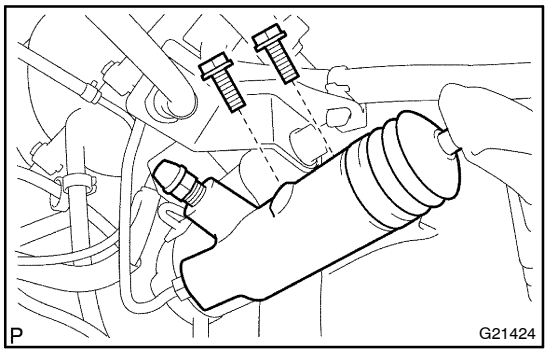
(b) Install the stiffener plate LH with the flywheel housing under cover and 4 bolts.

Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

29. INSTALL STIFFENER PLATE RH (MTM)

HINT:

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



30. CONNECT CYLINDER ASSY, CLUTCH RELEASE

(a) Install the clutch release cylinder assy with the 2 bolts.

Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

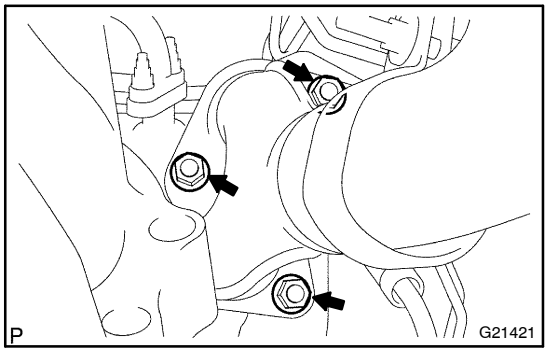
31. CONNECT WIRE HARNESS

(a) Transmission side:
Connect the buck up lamp switch connector.

(b) Transfer side:

(1) w/o Transfer shift actuator:
Connect the transfer indicator switch No.1, No.2, No.3, connecter and speedometer sensor connector.

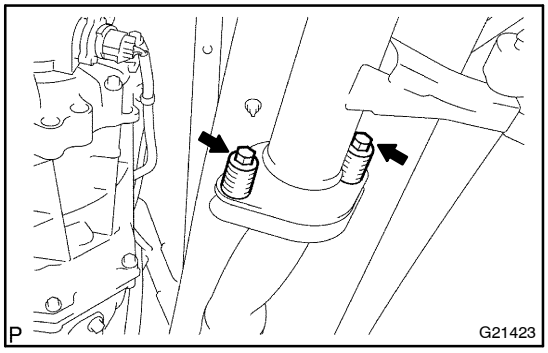
(2) w/ Transfer shift actuator:
Connect the transfer indicator switch No.1, No.2, No.3, connector, speedometer sensor connector and transfer shift actuator connector.



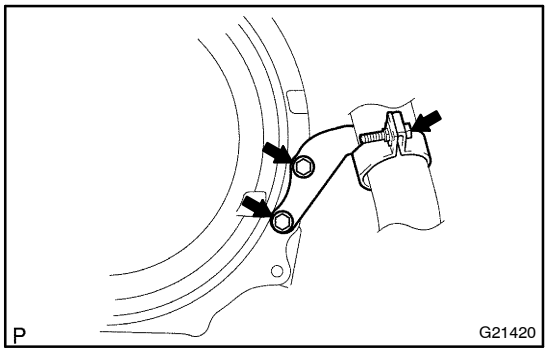
32. INSTALL EXHAUST PIPE ASSY FRONT

(a) Install the exhaust pipe assy front and 2 new gaskets with the 3 nuts.

Torque: 62 N·m (632 kgf·cm, 46 ft·lbf)

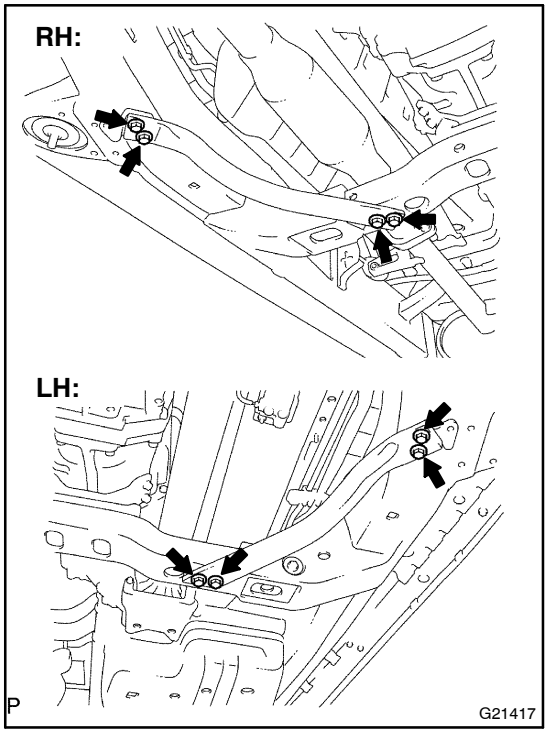


(b) Install the a new gasket with the 2 bolts and compression springs.
Torque: 43 N·m (438 kgf·cm, 32 ft·lbf)



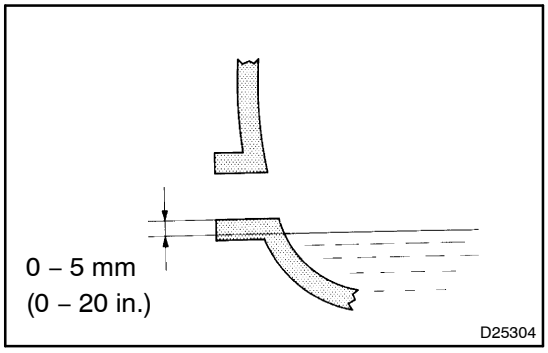
(c) Install the exhaust pipe support bracket No.1 with the 2 bolts.
Torque: 72 N·m (730 kgf·cm, 53 ft·lbf)
(d) Install the clamp to the exhaust pipe support bracket No.1.
Torque: 19 N·m (194 kgf·cm, 14 ft·lbf)
(e) Connect the oxygen sensor connector.

33. INSTALL PROPELLER SHAFT ASSY (See page 30–12)
34. INSTALL PROPELLER SHAFT ASSY FRONT (See page 30–4)



35. INSTALL FRONT SUSPENSION MEMBER BRACKET LH
(a) Install the front suspension member bracket LH with the 4 bolts.
Torque: 33 N·m (337 kgf·cm, 24 ft·lbf)

36. INSTALL FRONT SUSPENSION MEMBER BRACKET
HINT:
Install the RH side by the same procedures with the LH side.



37. ADD MANUAL TRANSMISSION OIL
Oil grade: GL–3
Viscosity: SAE 75W–90
Capacity: 2.5 liters (2.6 US qts, 2.2 lmp qts)
Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)

38. INSTALL ENGINE UNDER COVER ASSY REAR
Torque: 29 N·m (296 kgf·cm, 21 ft·lbf)

39. INSTALL TRANSFER HIGH & LOW SHIFT LEVER ASSY

(a) Install the transfer shift lever.

(b) Using pliers, install the snap ring.

HINT:

Apply MP grease to the tip of the transfer shift lever.

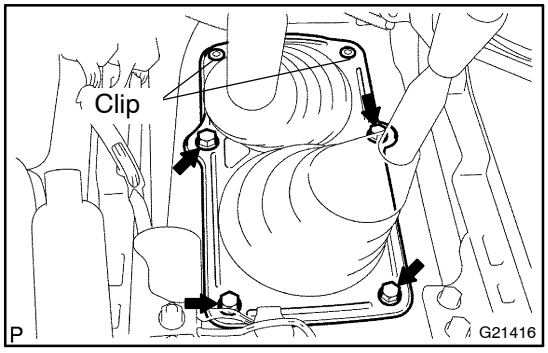
40. INSTALL LEVER ASSY, SHIFT

(a) Cover the shift lever cap with a cloth.

(b) Pressing clown on the shift lever cap and rotate it clockwise to install.

HINT:

Apply MP grease to the tip of the shift lever.



41. INSTALL SHIFT LEVER BOOT ASSY

(a) Install the shift lever boot assy with the 4 screws and 2 clips.

42. CONNECT BATTERY NEGATIVE TERMINAL