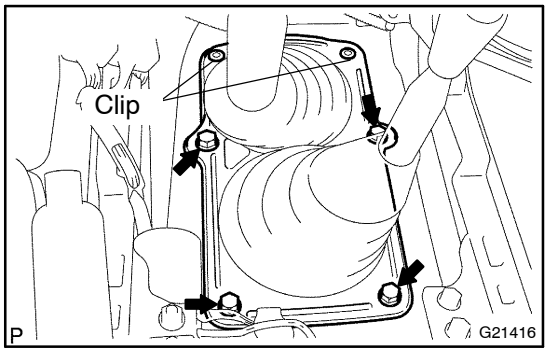
410BZ–01

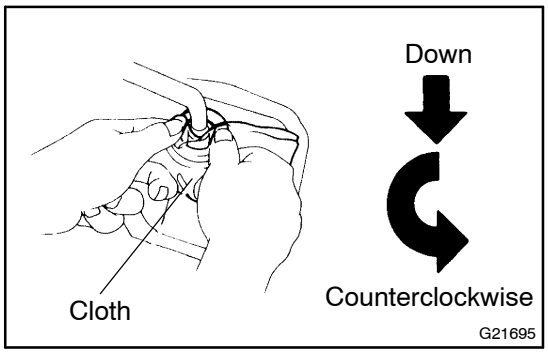
REPLACEMENT

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.

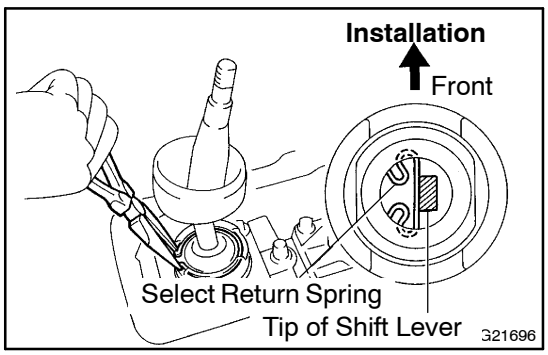


6. REMOVE FLOOR SHIFT SHIFT LEVER ASSY

(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

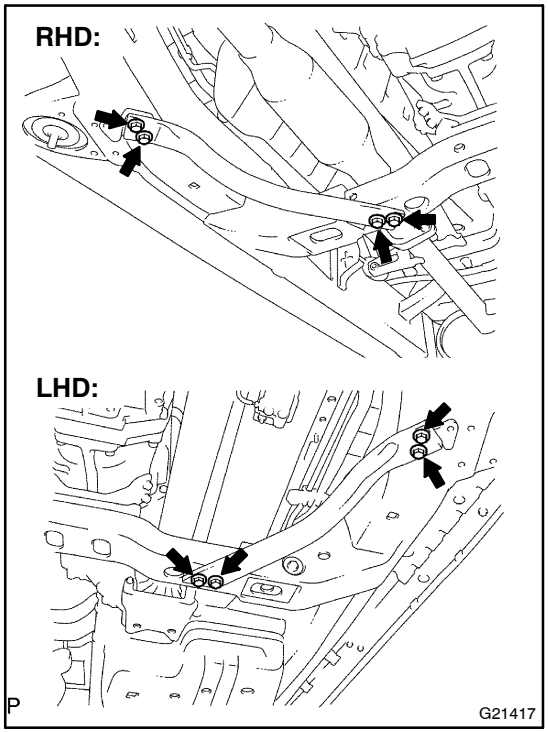
(a) Using needle nose pliers, remove the snap ring and pull out the shift lever.

HINT:

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

8. REMOVE ENGINE UNDER COVER ASSY REAR
9. DRAIN MANUAL TRANSMISSION OIL

Torque: 37 N·m (377 kgf·cm, 27 ft·lbf)



10. REMOVE FRONT SUSPENSION MEMBER BRACKET LH

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

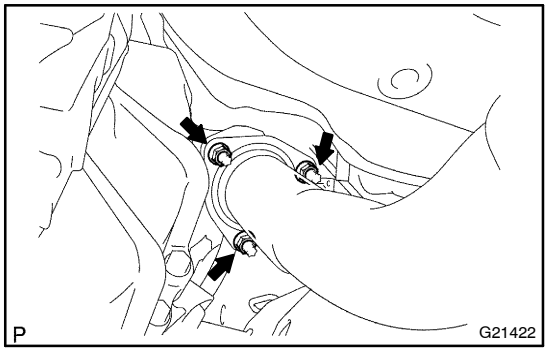
11. REMOVE FRONT SUSPENSION MEMBER BRACKET

HINT:

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

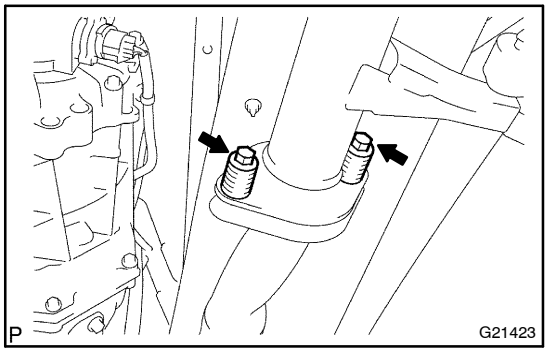
12. REMOVE PROPELLER SHAFT ASSY (See page 30–12)

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



14. REMOVE EXHAUST PIPE ASSY FRONT

(a) Remove the 3 nuts.



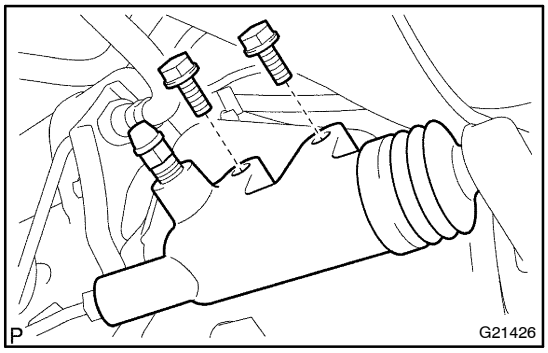
(b) Remove the 2 bolts and 2 springs.

(c) Remove the exhaust pipe assy front and 2 gaskets.

15. SEPARATE WIRE HARNESS

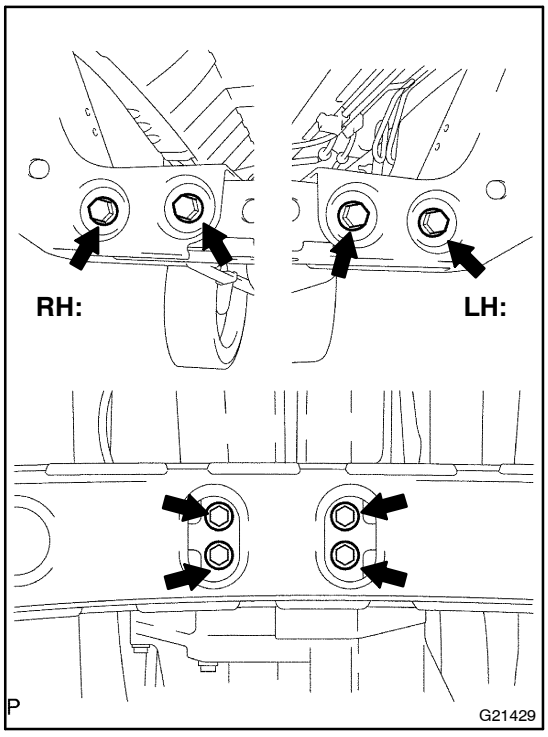
(a) Transmission side:
Separate the buck up lamp switch connector.

(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.



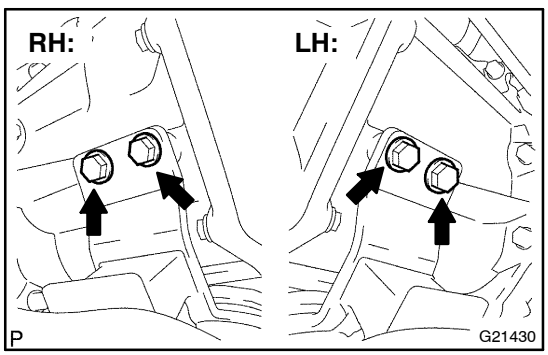
16. SEPARATE CLUTCH RELEASE CYLINDER ASSY

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



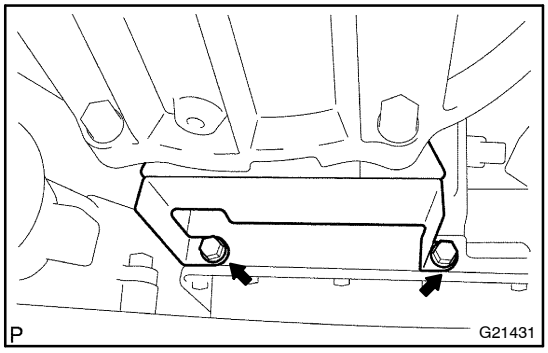
17. REMOVE FRAME CROSSMEMBER SUB–ASSY NO.3

(a) Support the transmission rear side with a support stand.
(b) Remove the 4 set bolts of the engine rear mounting.
(c) Remove the 4 bolts, nuts and flame crossmember sub–assy No.3.



18. REMOVE ENGINE MOUNTING INSULATOR REAR NO.1

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

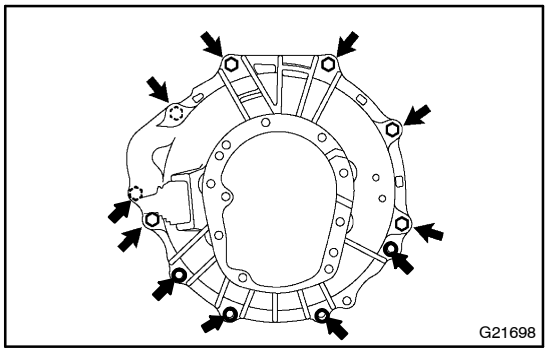


19. REMOVE MANUAL TRANSMISSION UNIT ASSY

(a) Remove the 2 bolts and oil pan insulator.

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

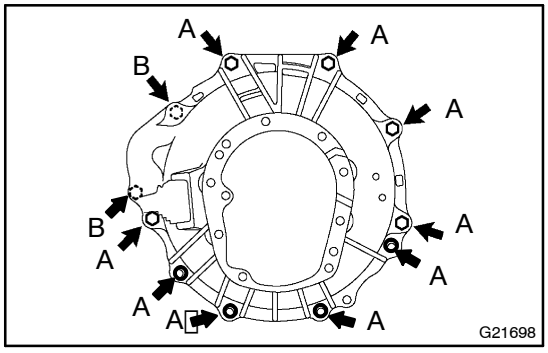
(c) Remove the support stand from the rear side.



(d) Remove the 11 bolts and manual transmission unit assy.

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

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



22. INSTALL MANUAL TRANSMISSION UNIT ASSY

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

(b) 1KZ Engine:

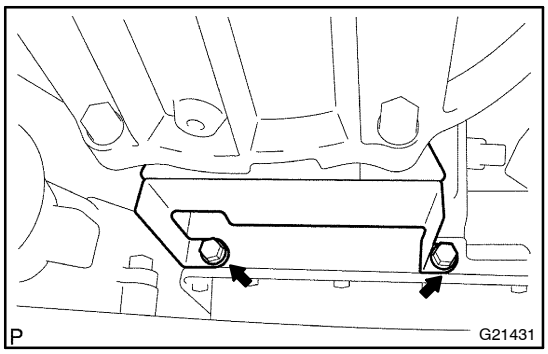
(1) Install the 11 bolts.

Torque:
A: 72 N·m (730 kgf·cm, 53 ft·lbf)
B: 68 N·m (694 kgf·cm, 49 ft·lbf)

(c) 1KD Engine:

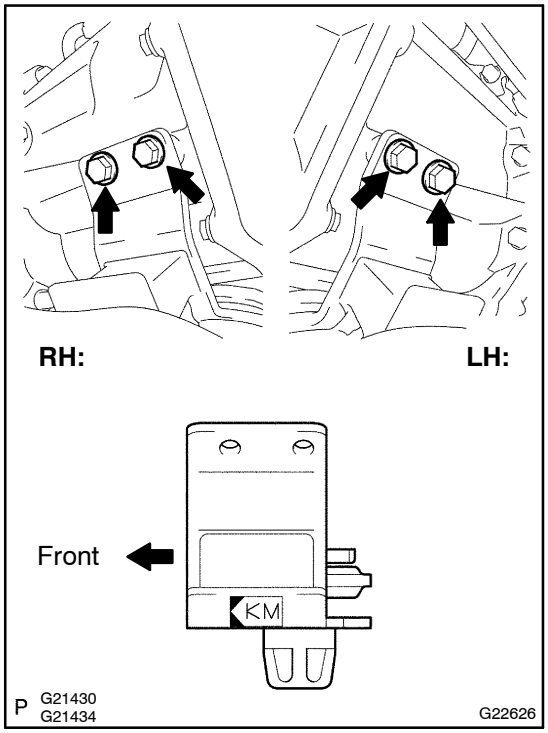
(1) Install the 10 bolts and nut.

Torque:
A: 72 N·m (730 kgf·cm, 53 ft·lbf)
B: 68 N·m (694 kgf·cm, 49 ft·lbf)



(d) Install the oil pan insulator with the 2 bolts.

Torque: 19 N·m (194 kgf·cm, 14 ft·lbf)



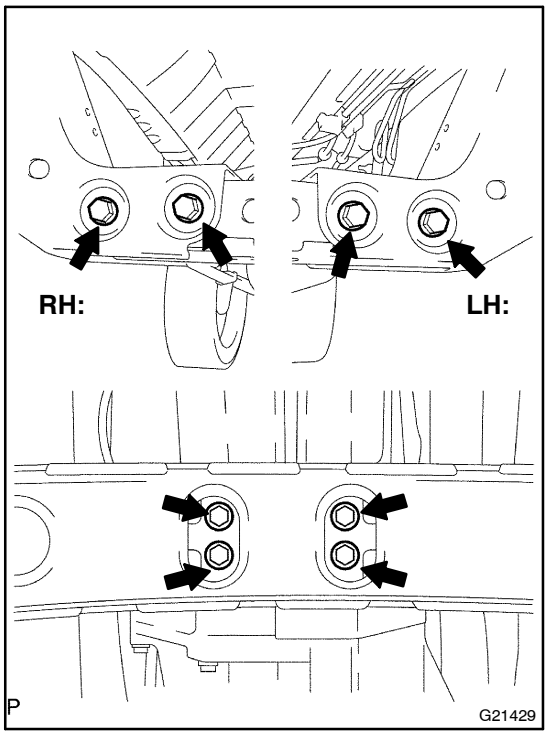
23. INSTALL ENGINE MOUNTING INSULATOR REAR NO.1

(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.



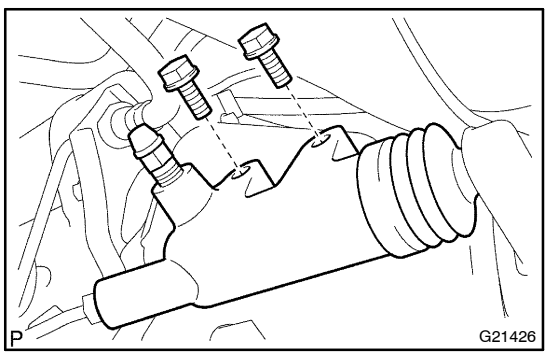
24. INSTALL FRAME CROSSMEMBER SUB–ASSY NO.3

(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)



25. CONNECT CLUTCH RELEASE CYLINDER ASSY

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

Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

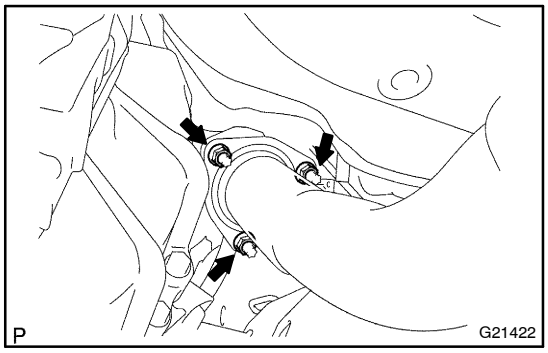
26. CONNECT WIRE HARNESS

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

(b) Transfer side:

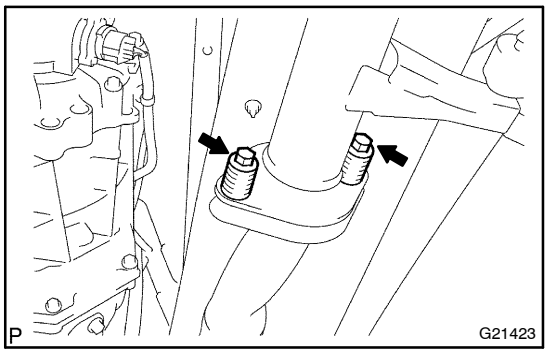
(1) w/o Transfer shift actuator:
Connect the transfer indicator switch No.1, No.2, No.3, connecter and speedometer sensor connector.

(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.



27. INSTALL EXHAUST PIPE ASSY FRONT

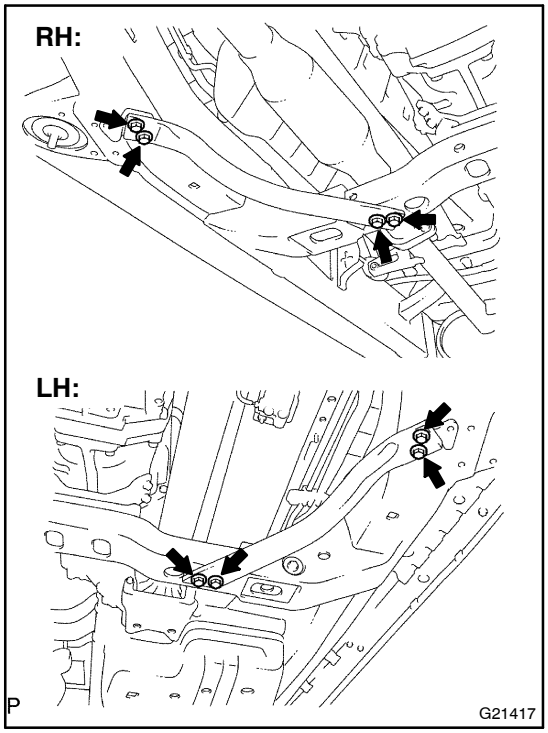
(a) Install the exhaust pipe assy front and a new gasket with the 3 nuts.
Torque: 62 N·m (632 kgf·cm, 46 ft·lbf)



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

28. INSTALL PROPELLER SHAFT ASSY (See page 31–18 or 31–51)

29. INSTALL PROPELLER SHAFT ASSY FRONT (See page 31–18 or 31–51)

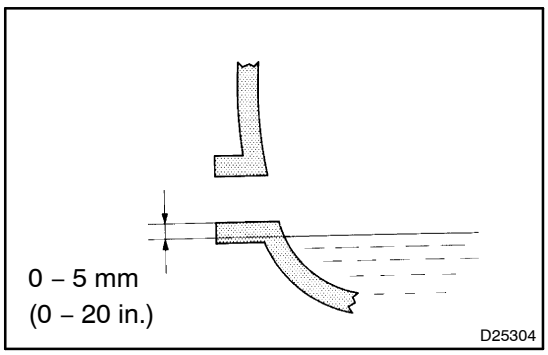


30. INSTALL FRONT SUSPENSION MEMBER BRACKET LH

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

31. INSTALL FRONT SUSPENSION MEMBER BRACKET

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



32. ADD MANUAL TRANSMISSION OIL
Oil grade: GL–3
Viscosity: SAE 75W–90
Capacity: 2.2 liters (2.3 US qts, 1.9 lmp qts)
Torque: 37 N·m (377 kgf·cm, 27 ft·lbf)

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

34. INSTALL TRANSFER HIGH & LOW SHIFT LEVER ASSY

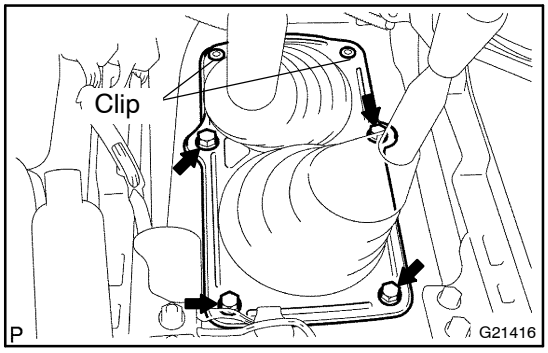
(a) Install the transfer shift lever.
(b) Using pliers, install the snap ring.

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

35. INSTALL FLOOR SHIFT SHIFT LEVER ASSY

(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.



36. INSTALL SHIFT LEVER BOOT ASSY

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

37. CONNECT BATTERY NEGATIVE TERMINAL