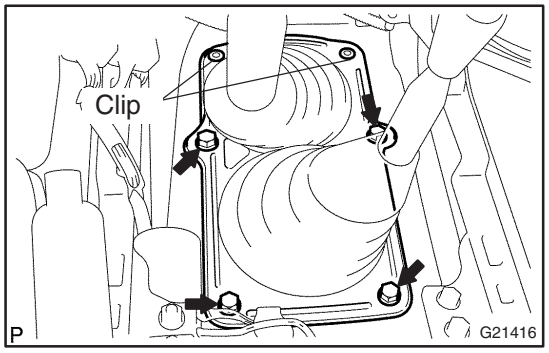
410K3–01

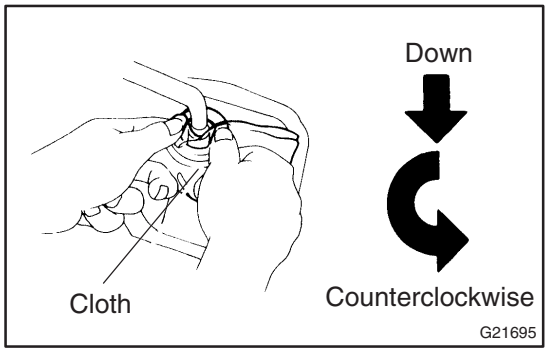
REPLACEMENT

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
2. **REMOVE CONSOLE UPPER PANEL GARNISH NO.2 (SEE PUB. No. RM990E, PAGE 71–13)**
3. **REMOVE CONSOLE UPPER PANEL GARNISH NO.1 (SEE PUB. No. RM990E, PAGE 71–13)**
4. **REMOVE CONSOLE PANEL UPPER ASSY (SEE PUB. No. RM990E, PAGE 71–13)**



5. REMOVE SHIFT LEVER BOOT ASSY

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

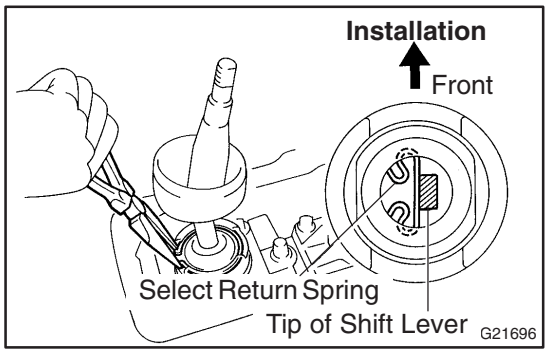


6. REMOVE FLOOR SHIFT SHIFT LEVER ASSY

(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.

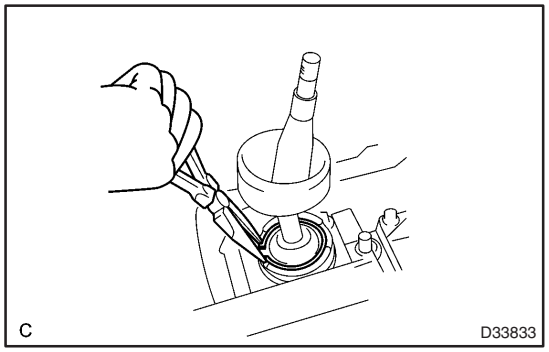


7. REMOVE TRANSFER HIGH & LOW SHIFT LEVER ASSY (W/O ACTUATOR MOTOR)

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

HINT:

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



8. REMOVE TRANSFER HIGH & LOW SHIFT LEVER ASSY (W/ ACTUATOR MOTOR)

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

9. REMOVE ENGINE UNDER COVER SUB–ASSY NO.1

(a) Remove the filler plug and gasket.

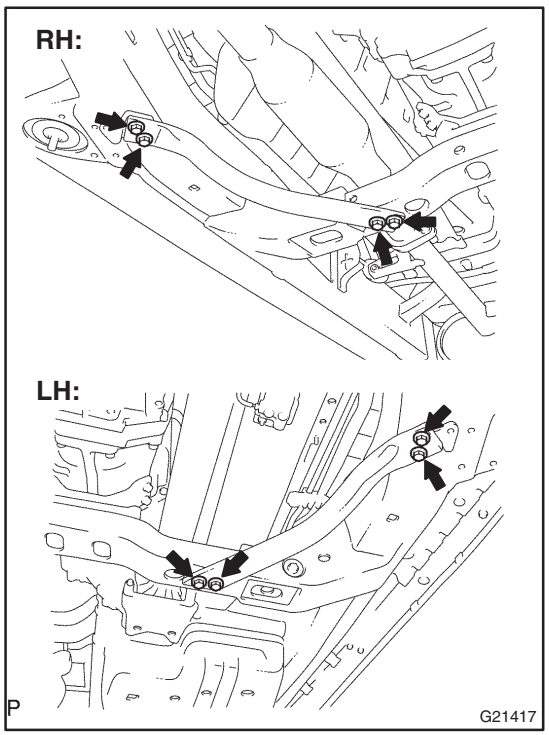
(b) Remove the drain plug and gasket, and drain the oil.

(c) Install the drain plug with a new gasket.

10. REMOVE ENGINE UNDER COVER ASSY REAR

11. DRAIN MANUAL TRANSMISSION OIL

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



12. REMOVE FRONT SUSPENSION MEMBER BRACKET LH

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

13. REMOVE FRONT SUSPENSION MEMBER BRACKET

HINT:

Remove the RH side using the same procedures as the LH side.

14. REMOVE PROPELLER SHAFT ASSY (SHORT BODY TYPE) (SEE PUB. No. RM990E, PAGE 30–12)

15. REMOVE PROPELLER SHAFT ASSY (LONG BODY TYPE) (SEE PAGE 30–2)

16. REMOVE PROPELLER SHAFT ASSY FRONT (SEE PUB. No. RM990E, PAGE 30–4)

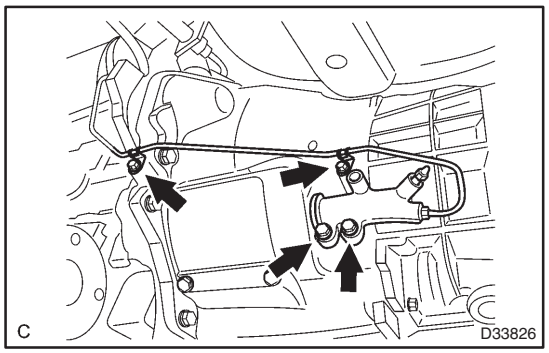
17. REMOVE EXHAUST PIPE ASSY FRONT (SEE PUB. No. RM990E, PAGE 15–11)

18. SEPARATE WIRE HARNESS

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

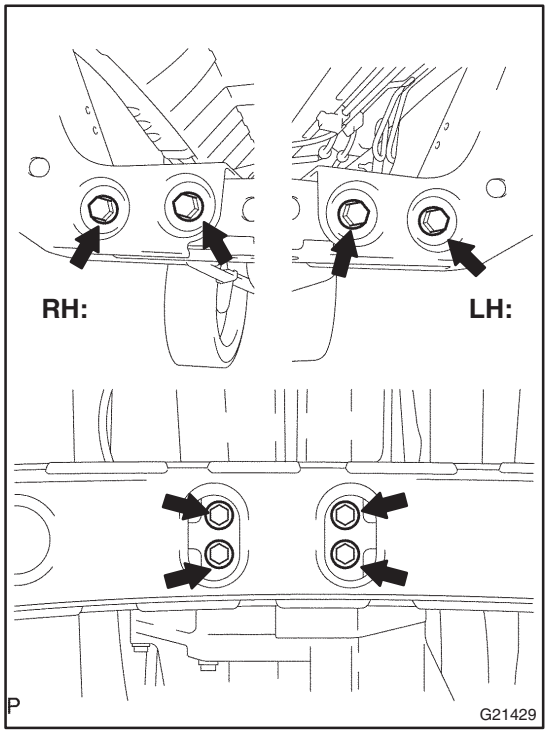
(b) Transfer side:
(1) w/o Transfer shift actuator:
Disconnect the transfer indicator switches No.2, No.3 and speedometer sensor connectors.
(2) w/ Transfer shift actuator:
Disconnect the transfer indicator switch No.2, speedometer sensor and transfer shift actuator connectors.

(c) Separate the wire harness from the brackets.



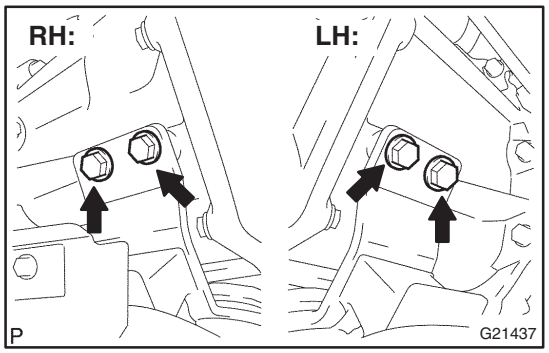
19. SEPARATE CLUTCH RELEASE CYLINDER ASSY

(a) Remove the 4 bolts and separate the clutch release cylinder assy.



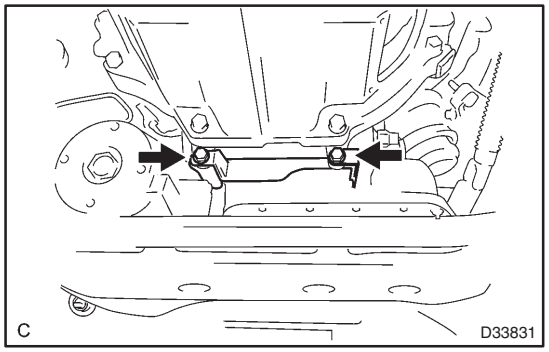
20. REMOVE FRAME CROSSMEMBER SUB–ASSY NO.3

(a) Support the rear side of the transmission.
(b) Remove the 4 set bolts of the engine rear mounting.
(c) Remove the 8 bolts, nuts and frame crossmember sub–assy No.3.



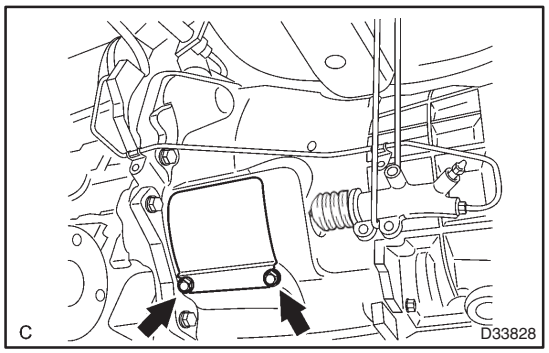
21. REMOVE ENGINE MOUNTING INSULATOR REAR NO.1

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



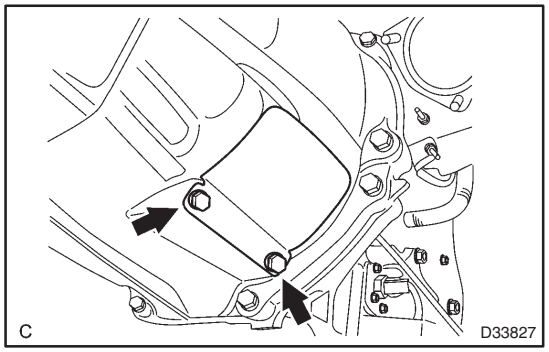
22. REMOVE OIL PAN INSULATOR

(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.



23. REMOVE CLUTCH HOUSING COVER NO.1

(a) Remove the 2 bolts and clutch housing cover No.1.

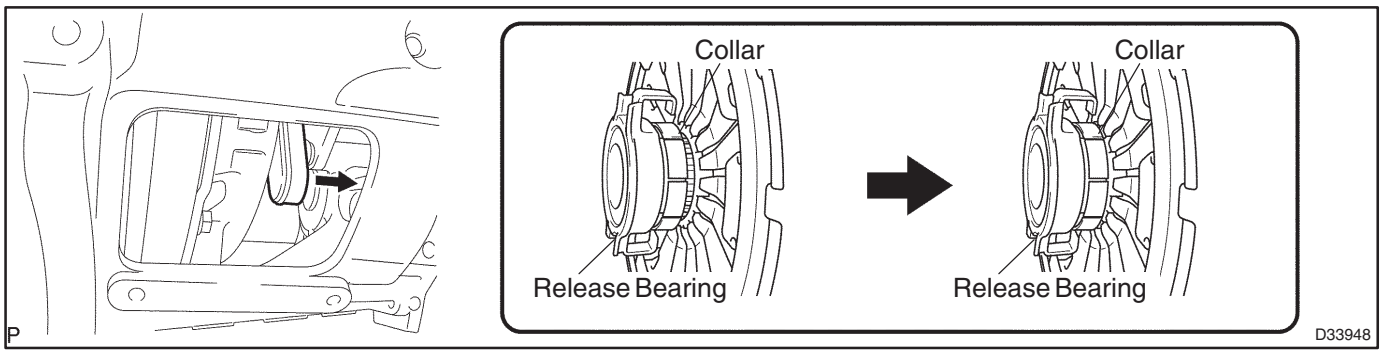


24. REMOVE CLUTCH HOUSING COVER NO.2

(a) Remove the 2 bolts and clutch housing cover No.2.

25. SEPARATE CLUTCH COVER ASSY

(a) Pull the clutch release fork to the transmission side and push the clutch release bearing against the clutch side.

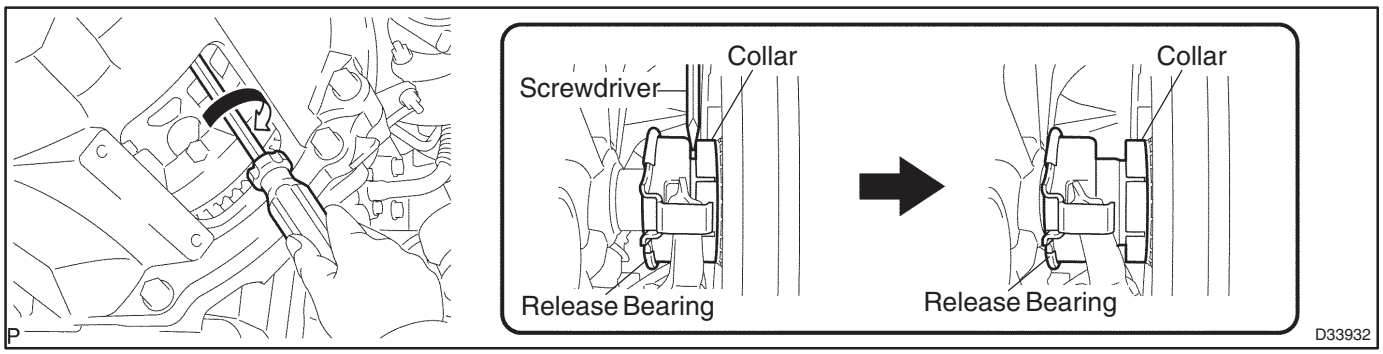


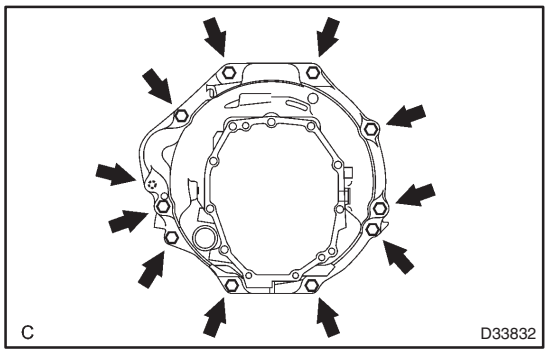
(b) Insert a screwdriver between the collar and release bearing.

(c) Turn the screwdriver to separate the release bearing.

NOTICE:

Do not insert a screwdriver between the collar and the diaphragm spring.



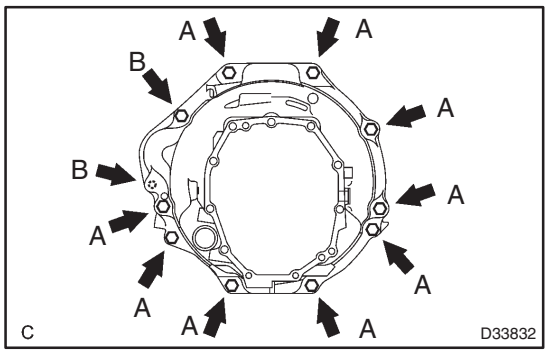


26. REMOVE MANUAL TRANSMISSION UNIT ASSY

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

27. REMOVE TRANSFER ASSY (SEE PAGE 31–23)

28. INSTALL TRANSFER ASSY (SEE PAGE 31–23)

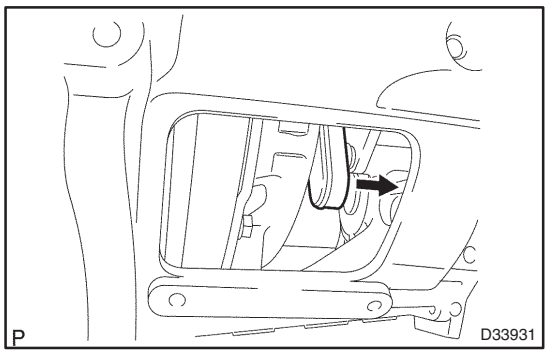


29. INSTALL MANUAL TRANSMISSION UNIT ASSY

(a) Install the transmission unit to the engine.

(b) 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)

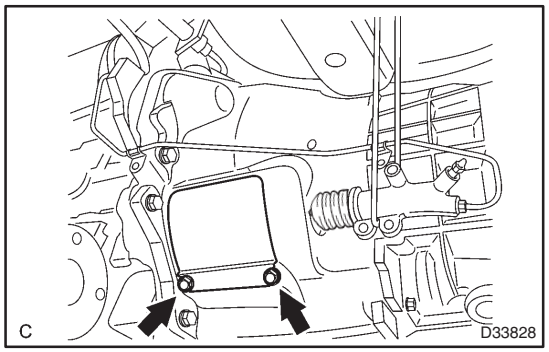


30. INSTALL CLUTCH COVER ASSY

(a) Pull the clutch release fork to the transmission side and install the clutch release bearing to the clutch cover.

NOTICE:

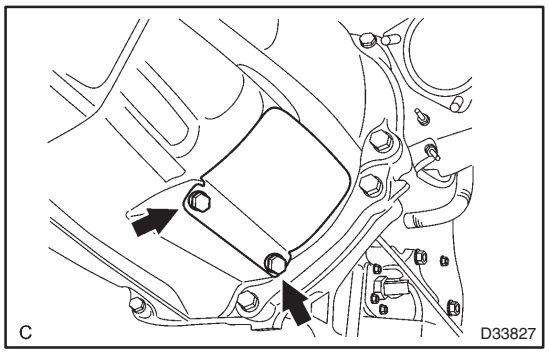
Pull the clutch release fork to the engine side and check that the clutch release bearing is securely installed to the clutch cover.



31. INSTALL CLUTCH HOUSING COVER NO.1

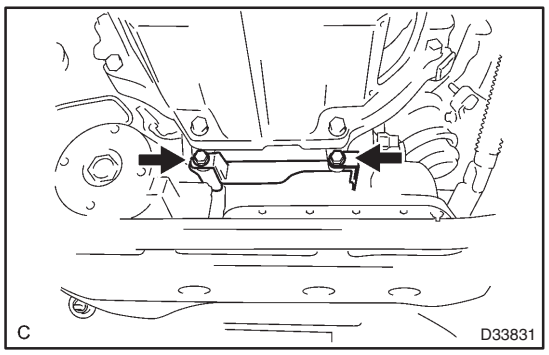
(a) install the clutch housing cover No.1 with the 2 bolts.

Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)



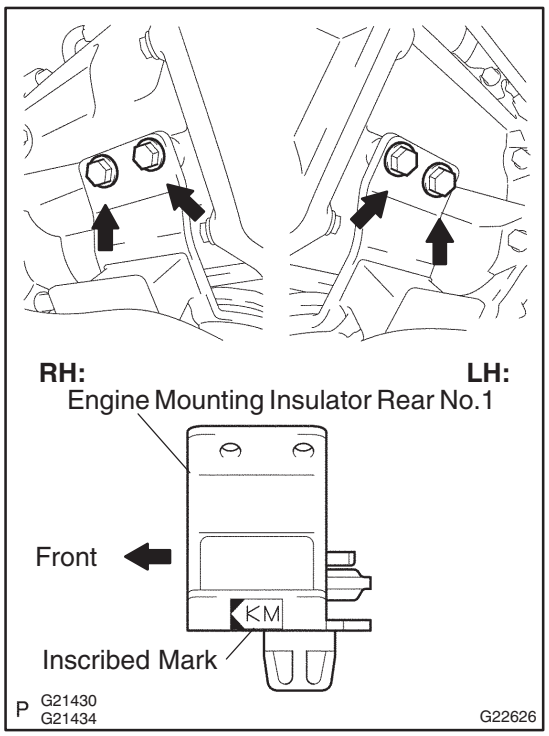
32. INSTALL CLUTCH HOUSING COVER NO.2

(a) Install the clutch housing cover No.2 with the 2 bolts.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)



33. INSTALL OIL PAN INSULATOR

(a) Install the oil pan insulator with the 2 bolts.
Torque: 19 N·m (194 kgf·cm, 14 ft·lbf)

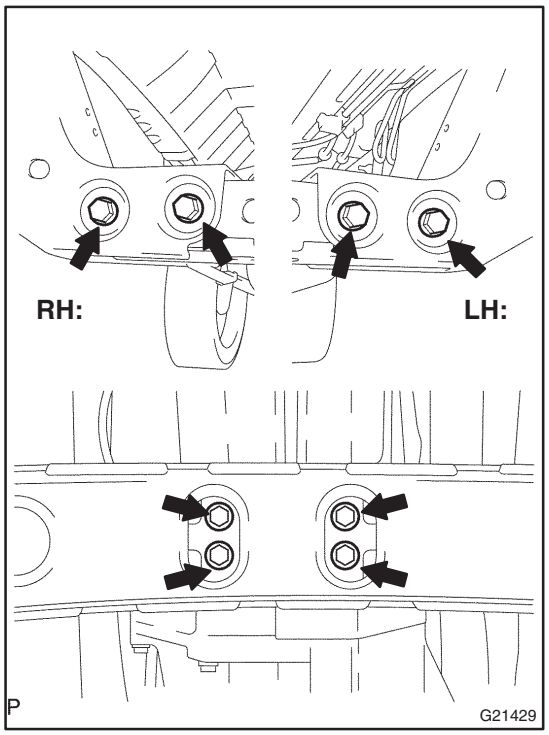


34. INSTALL ENGINE MOUNTING INSULATOR REAR NO.1

(a) Install the engine mounting insulator rear No.1 with the 4 bolts.
Torque: 65 N·m (663 kgf·cm, 48 ft·lbf)

HINT:

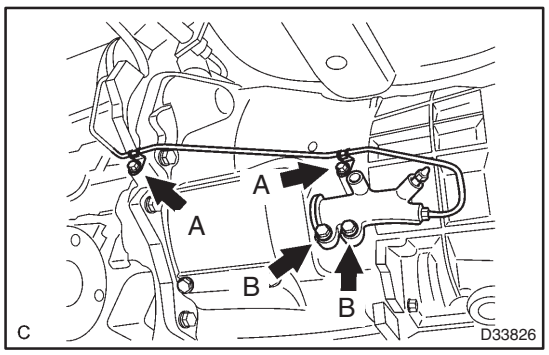
Install the engine mounting insulator rear No.1 with the inscribed mark facing the left side of the vehicle.



35. 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 (190 kgf·cm, 14 ft·lbf)



36. INSTALL CLUTCH RELEASE CYLINDER ASSY

(a) Install the clutch release cylinder assy with the 4 bolts.
Torque:
A: 19 N·m (194 kgf·cm, 14 ft·lbf)
B: 12 N·m (120 kgf·cm, 9 ft·lbf)

37. INSTALL 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 switches No.2, No.3 and speedometer sensor connectors.
(2) w/ Transfer shift actuator:
Connect the transfer indicator switch No.2, speedometer sensor and transfer shift actuator connectors.

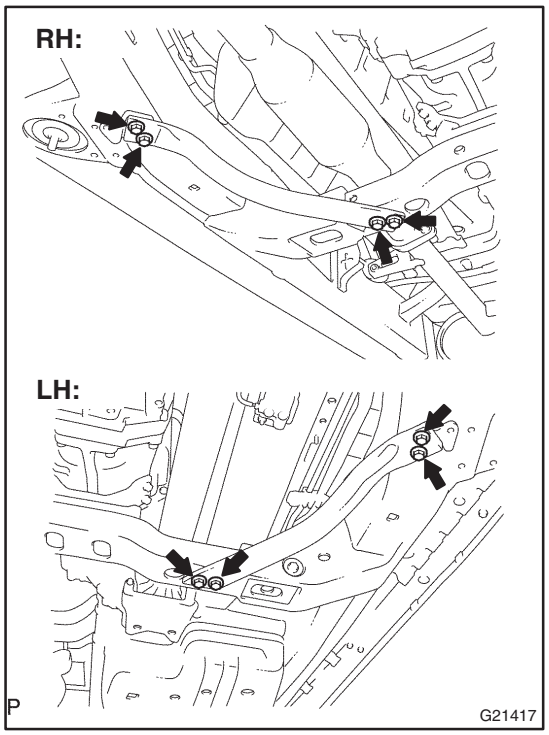
(c) Install the wire harness to the brackets.

38. INSTALL EXHAUST PIPE ASSY FRONT (SEE PUB. No. RM990E, PAGE 15–11)

39. INSTALL PROPELLER SHAFT ASSY (LONG BODY TYPE) (SEE PAGE 30–2)

40. INSTALL PROPELLER SHAFT ASSY (SHORT BODY TYPE) (SEE PUB. No. RM990E, PAGE 30–18)

41. INSTALL PROPELLER SHAFT ASSY FRONT (SEE PUB. No. RM990E, PAGE 30–9)

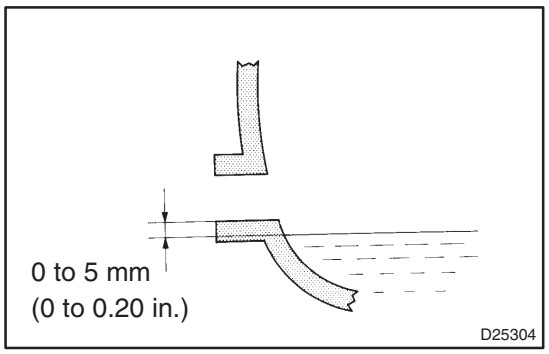


42. INSTALL FRONT SUSPENSION MEMBER BRACKET LH

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

43. INSTALL FRONT SUSPENSION MEMBER BRACKET

HINT:
Install the RH side using the same procedures as the LH side.



44. ADD MANUAL TRANSMISSION OIL
Oil grade: GL–4 or GL–5
Viscosity: SAE 75W–90
Capacity: 1.8 liters (1.9 US qts, 1.6 Imp qts)
Torque: 37 N·m (377 kgf·cm, 27 ft·lbf)

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

46. INSTALL ENGINE UNDER COVER SUB–ASSY NO.1
Torque: 29 N·m (296 kgf·cm, 21 ft·lbf)

47. INSTALL TRANSFER HIGH & LOW SHIFT LEVER ASSY

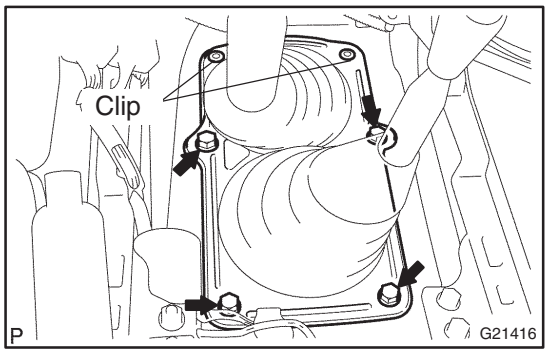
(a) Install the transfer shift lever.
(b) Using pliers, install the snap ring.

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

48. INSTALL 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 clockwise to install.

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



49. INSTALL SHIFT LEVER BOOT ASSY

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

50. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL