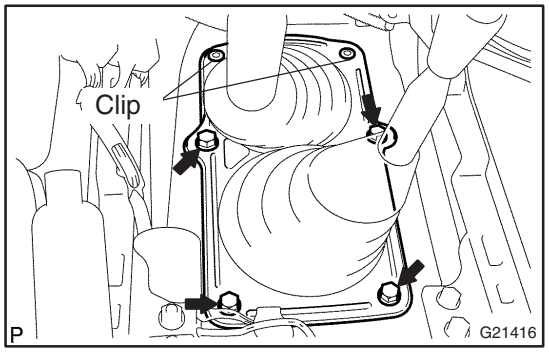
410K1–01

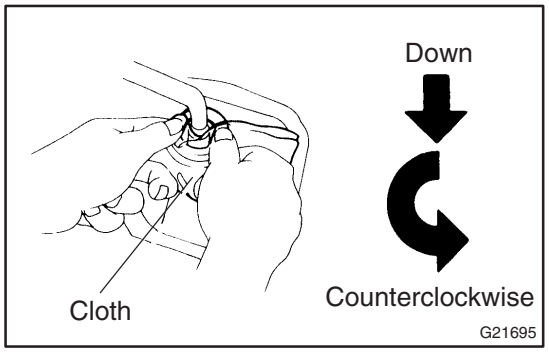
REPLACEMENT

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.

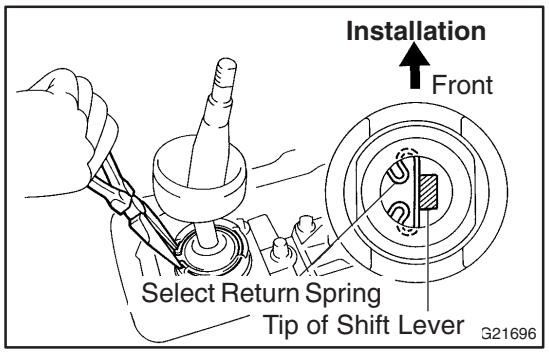


6. REMOVE FLOOR SHIFT SHIFT LEVER ASSY

(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.

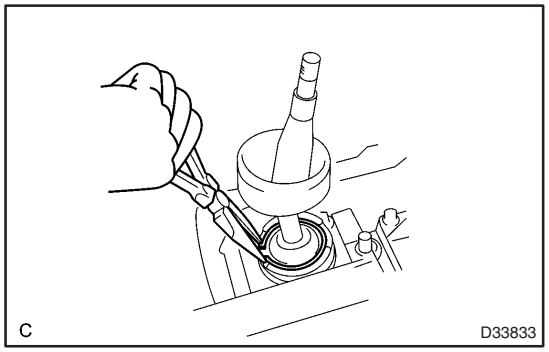


7. REMOVE TRANSFER HIGH & LOW SHIFT LEVER ASSY (W/O ACTUATOR MOTOR)

(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 ASSY REAR

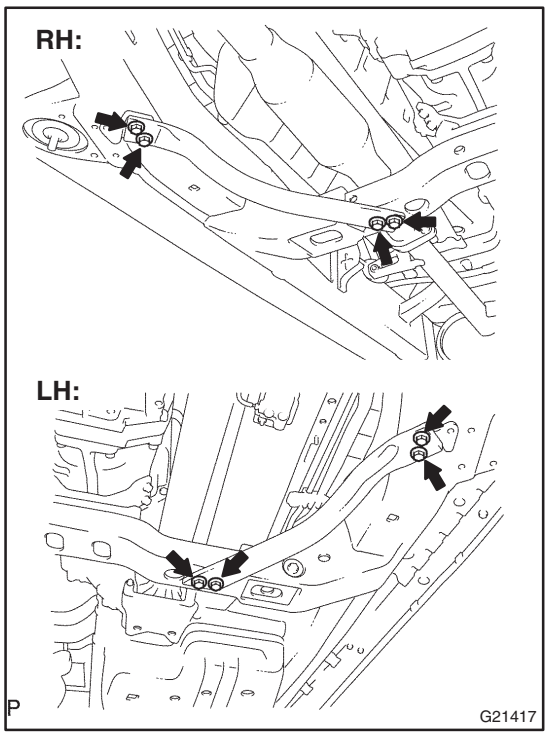
10. DRAIN MANUAL TRANSMISSION OIL

(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.

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



11. REMOVE FRONT SUSPENSION MEMBER BRACKET LH

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

12. REMOVE FRONT SUSPENSION MEMBER BRACKET

HINT:

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

13. REMOVE PROPELLER SHAFT HEAT INSULATOR

(a) Remove the 2 bolts and propeller shaft heat insulator.

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 FRONT PIPE ASSY NO.2 (SEE PUB. No. RM1107E, PAGE 15–3)

18. REMOVE EXHAUST PIPE ASSY FRONT (SEE PUB. No. RM1107E, PAGE 15–3)

19. SEPARATE WIRE HARNESS

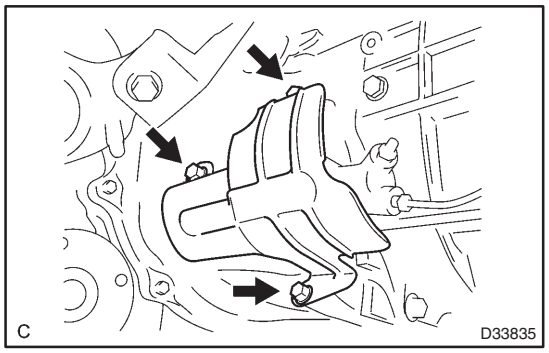
(a) Transmission side:
Disconnect the back up lamp switch connector.

(b) Transfer side:

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

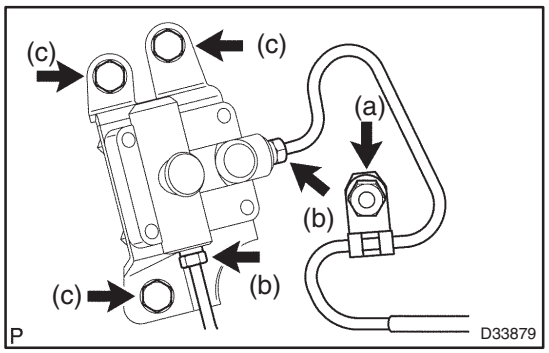
(2) w/ Transfer shift actuator:
Disconnect the transfer indicator switch No.2, speedometer sensor and transfer shift actuator connectors.

(c) Separate the wire harness from the brackets.



20. REMOVE CLUTCH HOUSING COVER NO.1

(a) Remove the 3 bolts and clutch housing cover No.1.

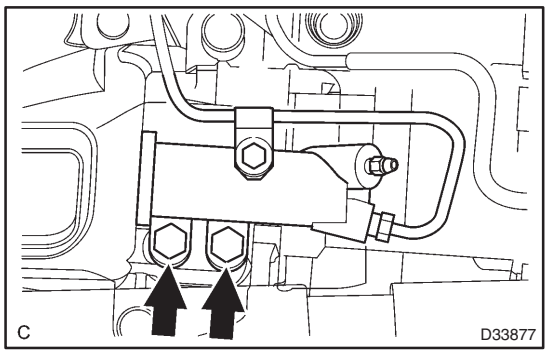


21. REMOVE CLUTCH ACCUMULATOR ASSY (LHD STEERING POSITION TYPE)

(a) Remove the nut and separate the clutch line.

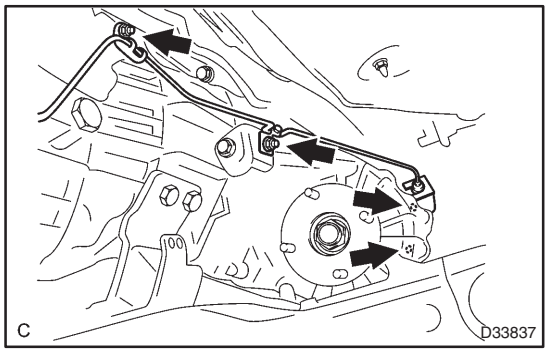
(b) Using SST, disconnect the 2 clutch lines.
SST 09023–00101

(c) Remove the 3 bolts and clutch accumulator assy.



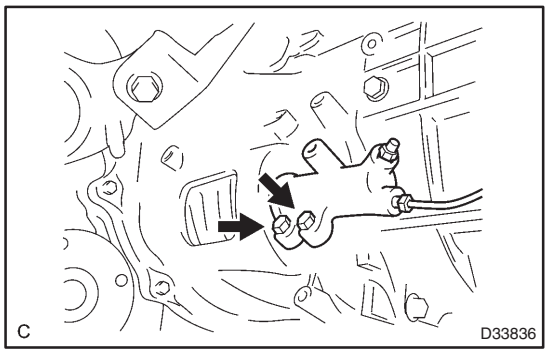
22. REMOVE CLUTCH RELEASE CYLINDER ASSY (LHD STEERING POSITION TYPE)

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



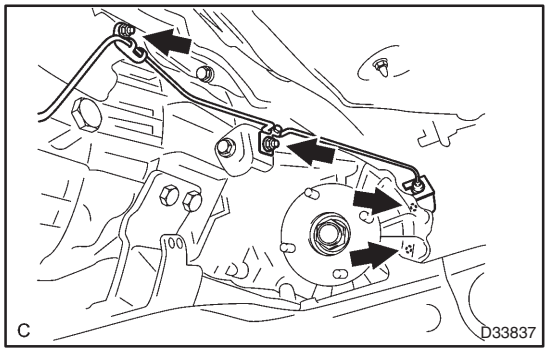
23. SEPARATE CLUTCH RELEASE CYLINDER TO FLEXIBLE HOSE TUBE (LHD STEERING POSITION TYPE)

(a) Remove the 2 bolts, 2 nuts and separate the clutch line.



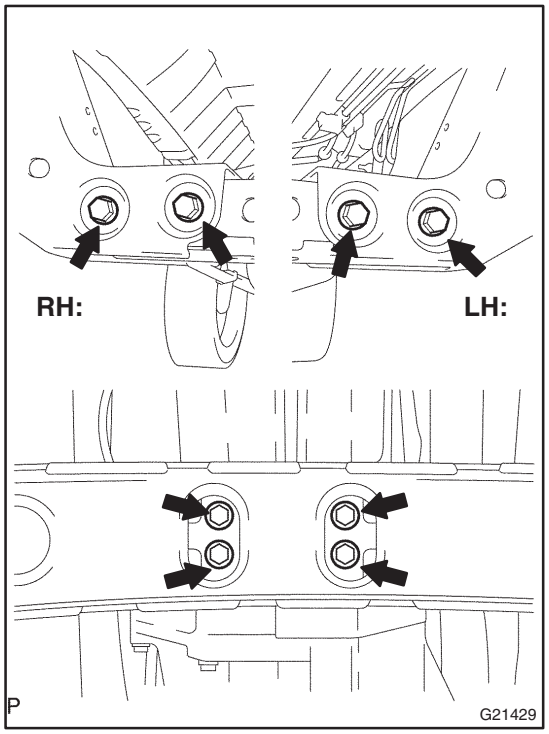
24. SEPARATE CLUTCH RELEASE CYLINDER ASSY (RHD STEERING POSITION TYPE)

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



25. SEPARATE CLUTCH RELEASE CYLINDER TO FLEXIBLE HOSE TUBE (RHD STEERING POSITION TYPE)

(a) Remove the 2 bolts, 2 nuts and separate the clutch line.

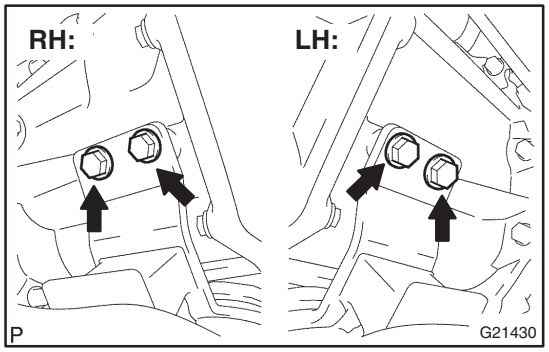


26. REMOVE FRAME CROSSMEMBER SUB–ASSY NO.3

(a) Support the rear side of the transmission with a support stand.

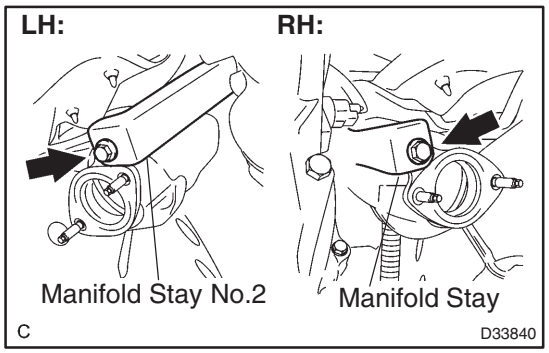
(b) Remove the 4 set bolts of the engine rear mounting.

(c) Remove the 4 bolts, nuts and frame crossmember sub–assy No.3.



27. REMOVE ENGINE MOUNTING INSULATOR REAR NO.1

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



28. SEPARATE MANIFOLD STAY NO.2

(a) Remove the bolt and separate the manifold stay No.2.

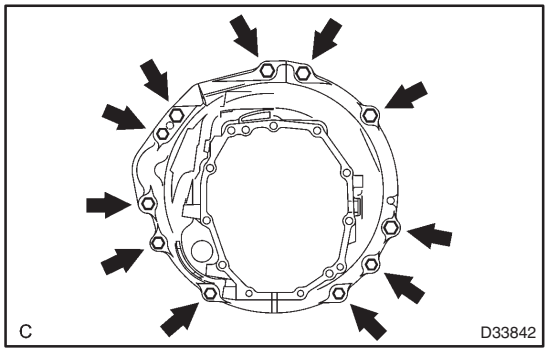
29. SEPARATE MANIFOLD STAY

(a) Remove the bolt and separate the manifold stay.

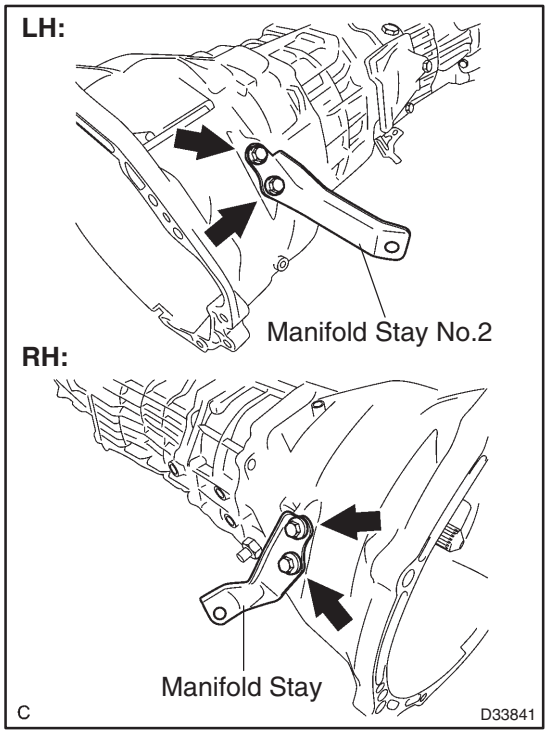
30. REMOVE MANUAL TRANSMISSION UNIT ASSY

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

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



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



31. REMOVE MANIFOLD STAY NO.2

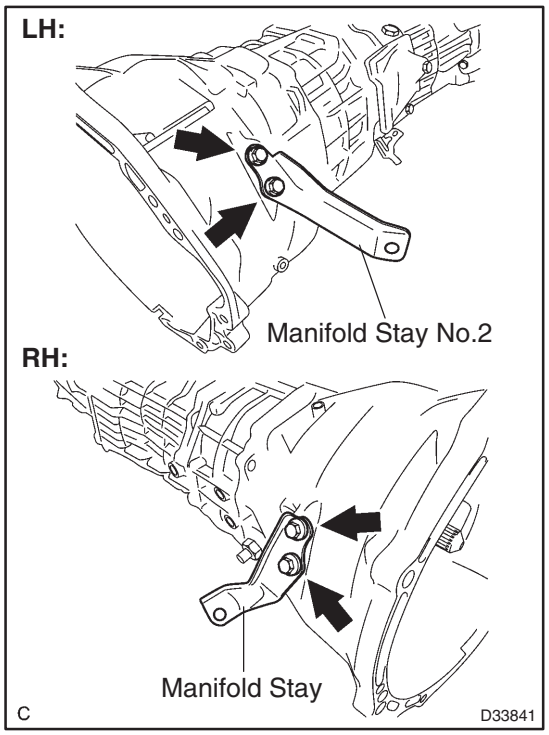
(a) Remove the 2 bolts and manifold stay No.2.

32. REMOVE MANIFOLD STAY

(a) Remove the 2 bolts and manifold stay.

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

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

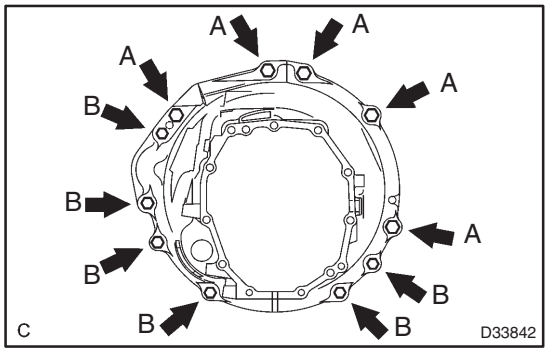


35. INSTALL MANIFOLD STAY

(a) Install the manifold stay with the 2 bolts.
Torque: 40 N·m (408 kgf·cm, 30 ft·lbf)

36. INSTALL MANIFOLD STAY NO.2

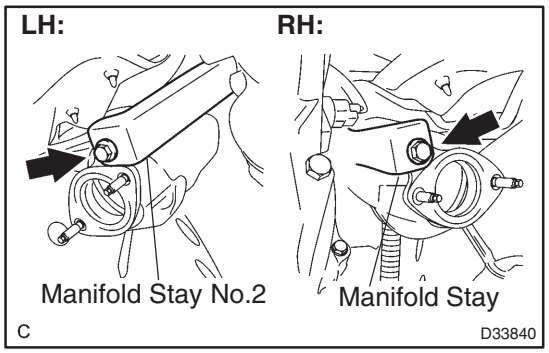
(a) Install the manifold stay No.2 with the 2 bolts.
Torque: 40 N·m (408 kgf·cm, 30 ft·lbf)



37. INSTALL MANUAL TRANSMISSION UNIT ASSY

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

(b) Install the 11 bolts.
Torque:
A: 72 N·m (730 kgf·cm, 53 ft·lbf)
B: 37 N·m (380 kgf·cm, 28 ft·lbf)

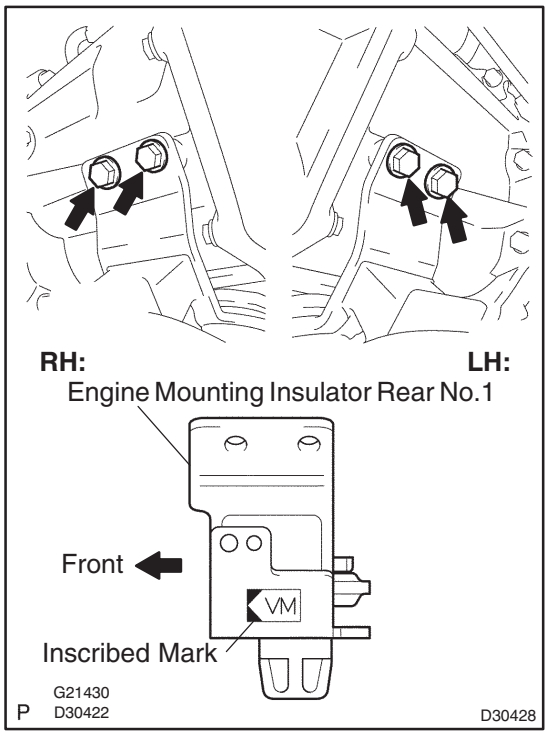


38. INSTALL MANIFOLD STAY

(a) Install the manifold stay with the bolt.
Torque: 40 N·m (408 kgf·cm, 30 ft·lbf)

39. INSTALL MANIFOLD STAY NO.2

(a) Install the manifold stay No.2 with the bolt.
Torque: 40 N·m (408 kgf·cm, 30 ft·lbf)



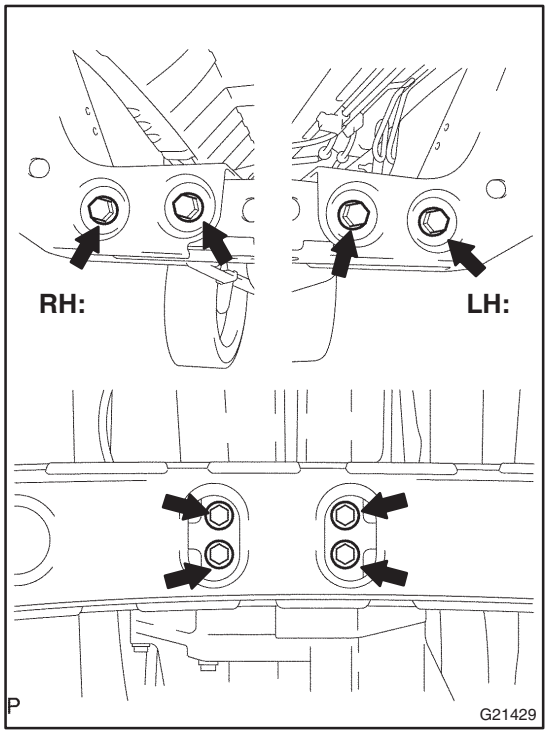
40. INSTALL ENGINE MOUNTING INSULATOR REAR NO.1

(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.



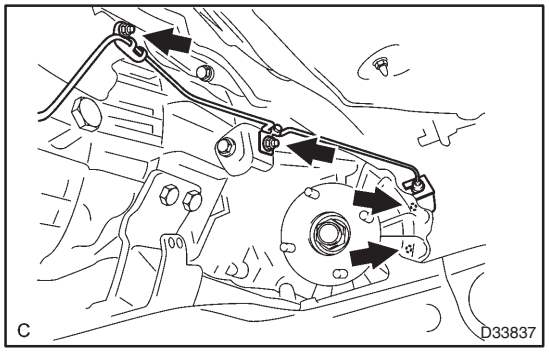
41. INSTALL FRAME CROSSMEMBER SUB–ASSY NO.3

(a) Install the frame crossmember sub–assy No.3 with the 8 bolts and 4 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.

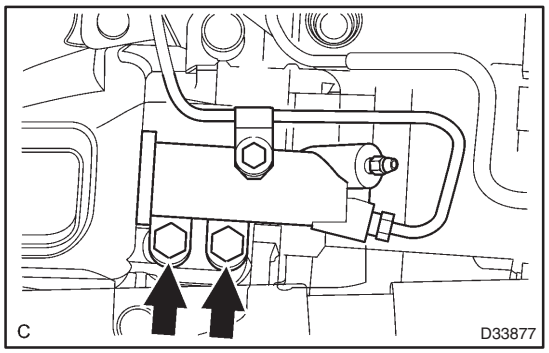
Torque: 19 N·m (190 kgf·cm, 14 ft·lbf)



42. INSTALL CLUTCH RELEASE CYLINDER TO FLEXIBLE HOSE TUBE (LHD STEERING POSITION TYPE)

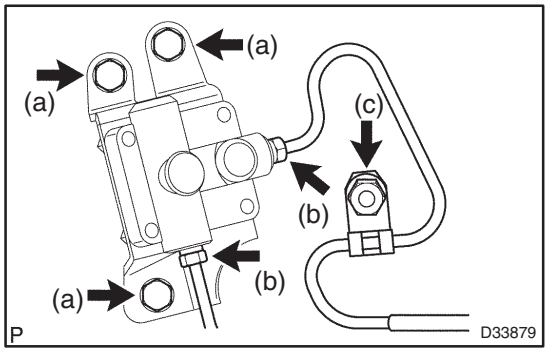
(a) Install the clutch line with the 2 bolts and 2 nuts.

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



43. INSTALL CLUTCH RELEASE CYLINDER ASSY (LHD STEERING POSITION TYPE)

(a) Install the clutch release cylinder assy with the 2 bolts.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

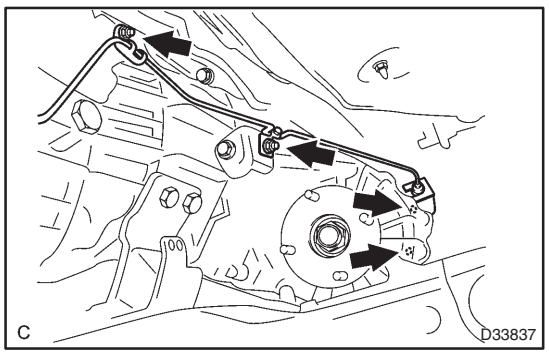


44. INSTALL CLUTCH ACCUMULATOR ASSY (LHD STEERING POSITION TYPE)

(a) Install the clutch accumulator assy with the 3 bolts.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

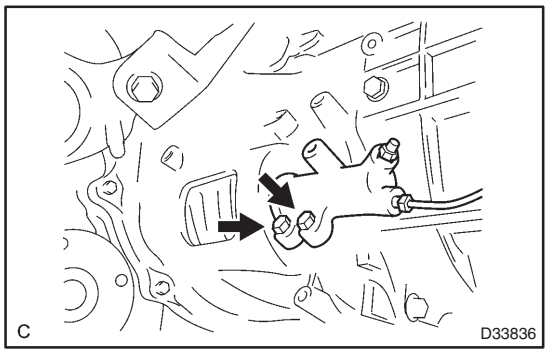
(b) Using SST, connect the 2 clutch lines to the clutch accumulator assy.
SST 09023–00101
Torque: 16 N·m (160 kgf·cm, 11 ft·lbf)

(c) Install the clutch line with the nut.
Torque: 19 N·m (194 kgf·cm, 14 ft·lbf)



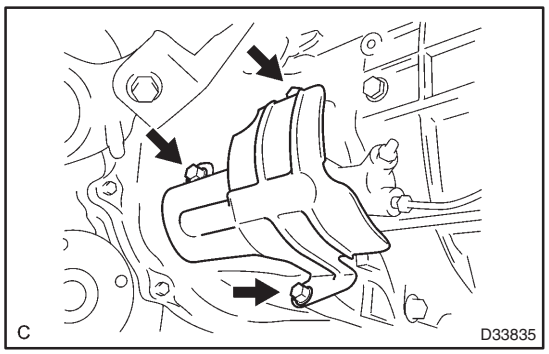
45. INSTALL CLUTCH RELEASE CYLINDER TO FLEXIBLE HOSE TUBE (RHD STEERING POSITION TYPE)

(a) Install the clutch line with the 2 bolts and 2 nuts.
Torque: 19 N·m (194 kgf·cm, 14 ft·lbf)



46. INSTALL CLUTCH RELEASE CYLINDER ASSY (RHD STEERING POSITION TYPE)

(a) Install the clutch release cylinder assy with the 2 bolts.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)



47. INSTALL CLUTCH HOUSING COVER NO.1

(a) Install the clutch housing cover No.1 with the 3 bolts.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

48. 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.

49. INSTALL EXHAUST PIPE ASSY FRONT (SEE PUB. No. RM1107E, PAGE 15–3)

50. INSTALL EXHAUST FRONT PIPE ASSY NO.2 (SEE PUB. No. RM1107E, PAGE 15–3)

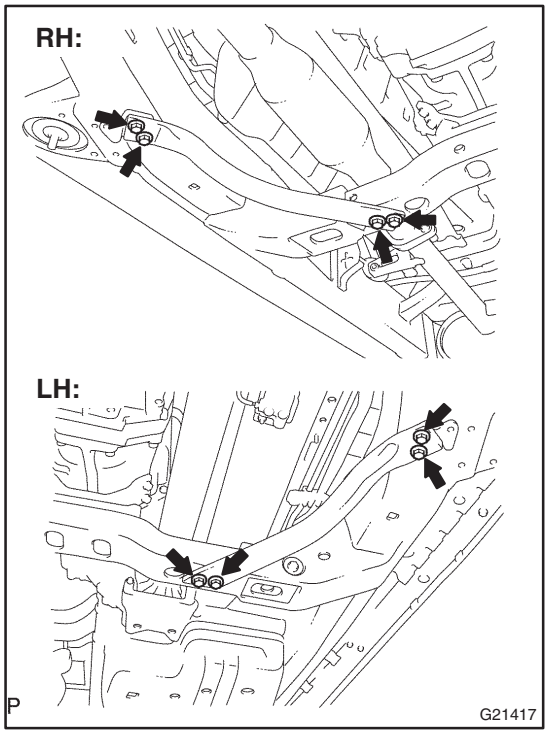
51. INSTALL PROPELLER SHAFT ASSY (LONG BODY TYPE) (SEE PAGE 30–2)

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

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

54. INSTALL PROPELLER SHAFT HEAT INSULATOR

(a) Install the propeller shaft heat insulator with the 2 bolts.
Torque: 16 N·m (160 kgf·cm, 12 ft·lbf)

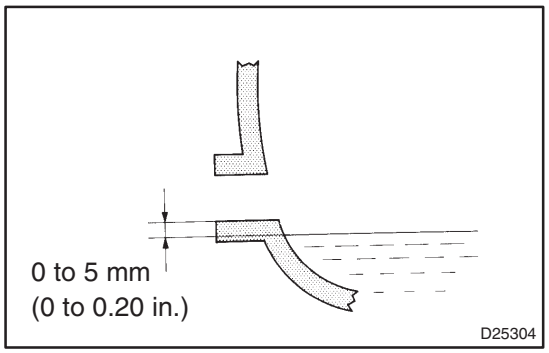


55. INSTALL FRONT SUSPENSION MEMBER BRACKET LH

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

56. INSTALL FRONT SUSPENSION MEMBER BRACKET

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



57. 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 lmp qts)
Torque: 37 N·m (377 kgf·cm, 27 ft·lbf)

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

59. 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.

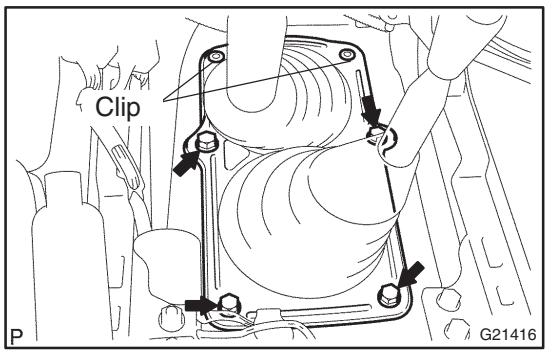
60. INSTALL FLOOR SHIFT SHIFT LEVER ASSY

(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.



61. INSTALL SHIFT LEVER BOOT ASSY

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

62. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL