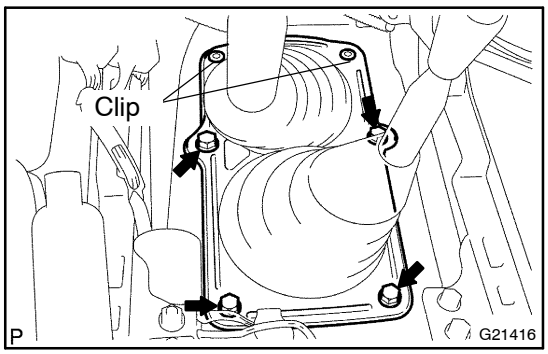
410DP–01

REPLACEMENT

HINT:

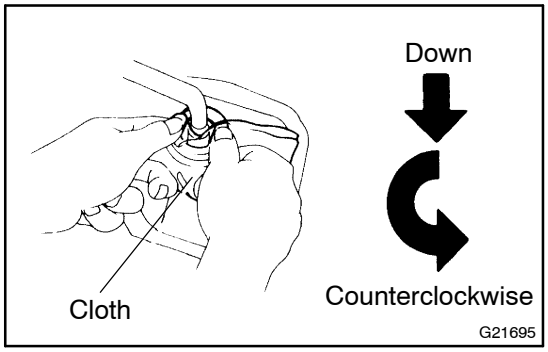
COMPONENTS (See page 41–2)

1. **SEPARATE BATTERY NEGATIVE TERMINAL**
2. **REMOVE CONSOLE UPPER PANEL GARNISH NO.2 (SEPARATED FRONT SEAT TYPE) (See Pub. No. RM990E, page 71–13)**
3. **REMOVE CONSOLE UPPER PANEL GARNISH NO.1 (SEPARATED FRONT SEAT TYPE) (See Pub. No. RM990E, page 71–13)**
4. **REMOVE CONSOLE PANEL UPPER ASSY (SEPARATED FRONT SEAT TYPE) (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.

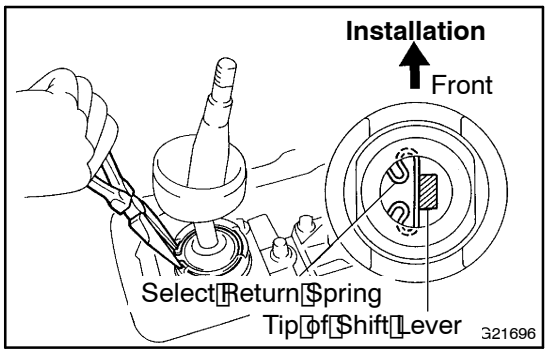


6. **REMOVE FLOOR SHIFT SHIFT LEVER ASSY**

(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.



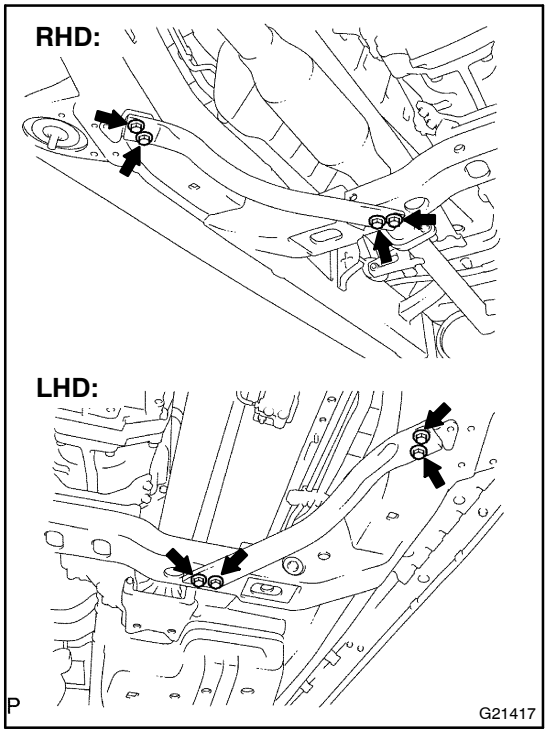
7. **REMOVE TRANSFER HIGH & LOW SHIFT LEVER ASSY**

(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 as the LH side.

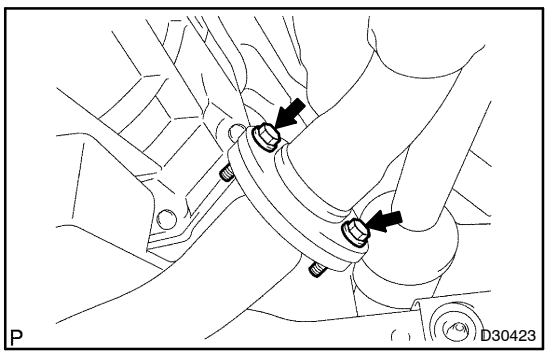
12. REMOVE PROPELLER SHAFT HEAT INSULATOR

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

13. REMOVE PROPELLER SHAFT ASSY (SHORT BODY TYPE) (See Pub. No. RM990E, page 30–12)

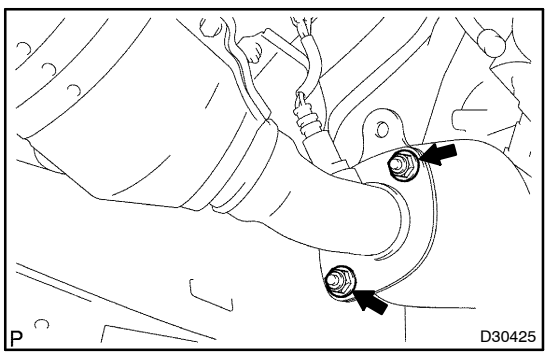
14. REMOVE PROPELLER SHAFT ASSY (LONG BODY TYPE) (See Pub. No. RM990E, page 30–12)

15. REMOVE PROPELLER SHAFT ASSY FRONT (See Pub. No. RM990E, page 30–4)



16. REMOVE EXHAUST FRONT PIPE ASSY NO.2

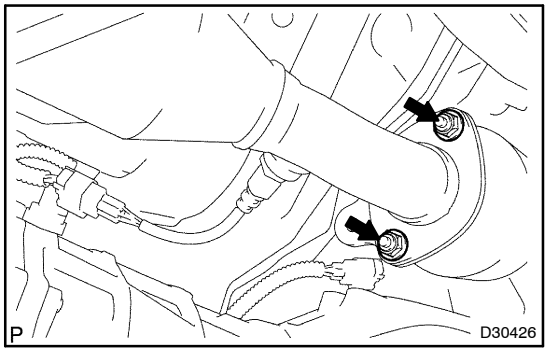
(a) Remove the 2 bolts.



(b) Disconnect the oxygen sensor connector.

(c) Remove the 2 nuts.

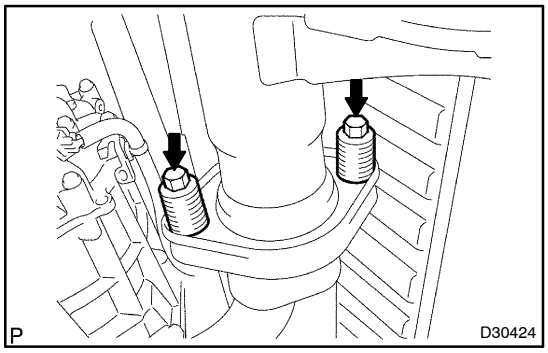
(d) Remove the exhaust front pipe assy No.2 and 2 gaskets.



17. REMOVE EXHAUST PIPE ASSY FRONT

(a) Remove the 2 nuts.

(b) Disconnect the oxygen sensor connector.



(c) Remove the 2 bolts and 2 springs.

(d) Remove the 2 nuts.

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

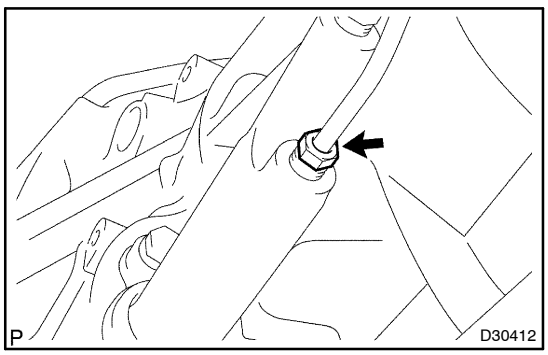
18. DISCONNECT WIRE HARNESS

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

(b) Transfer side:

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

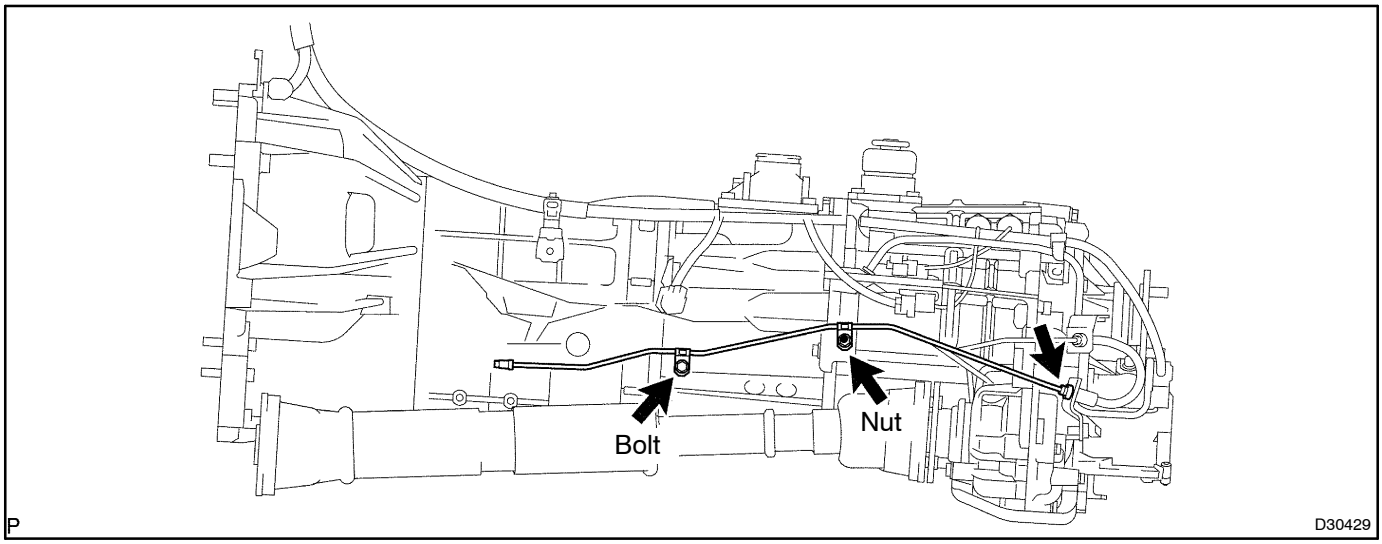
(2) w/ Transfer shift actuator:
Disconnect the transfer indicator switch No.1, No.2, No.3, connector, speedometer sensor connector and transfer shift actuator connector.

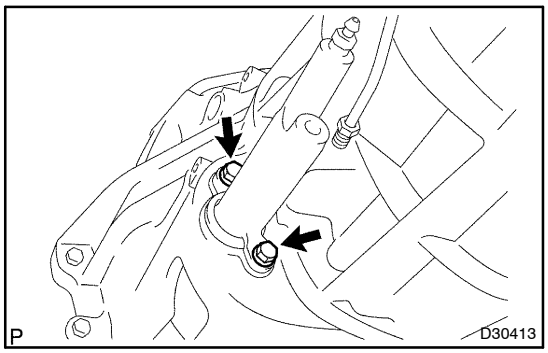


19. REMOVE CLUTCH RELEASE CYLINDER ASSY (RHD STEERING POSITION TYPE)

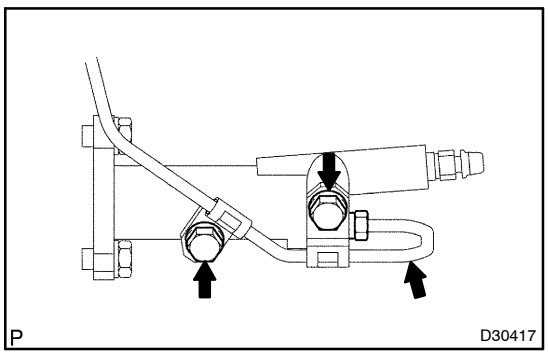
(a) Disconnect the clutch release cylinder to flexblehose tube from the clutch release cylinder.
SST 09023–00100

(b) Remove the bolt, nut and clutch release cylinder to flexible hose tube.
SST 09023–00100



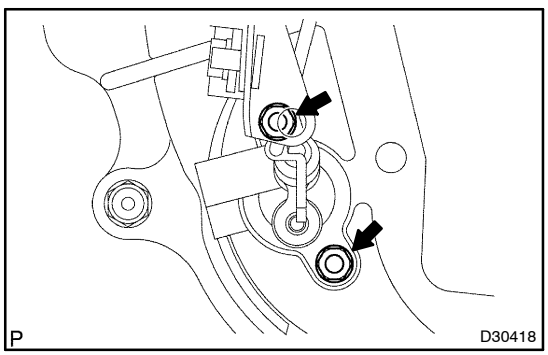


(c) Remove the 2 bolts and the clutch release cylinder assy.

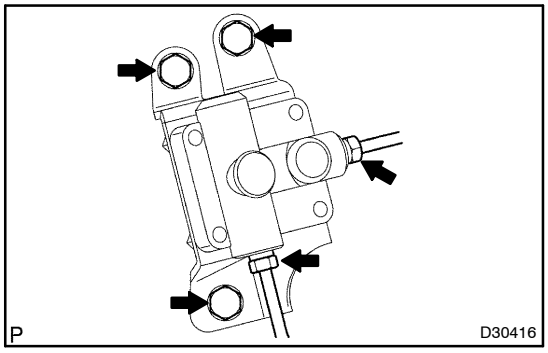


20. SEPARATE CLUTCH RELEASE CYLINDER ASSY (LHD STEERING POSITION TYPE)

(a) Remove the 2 bolts and disconnect the clutch release cylinder to flexible hose tube.



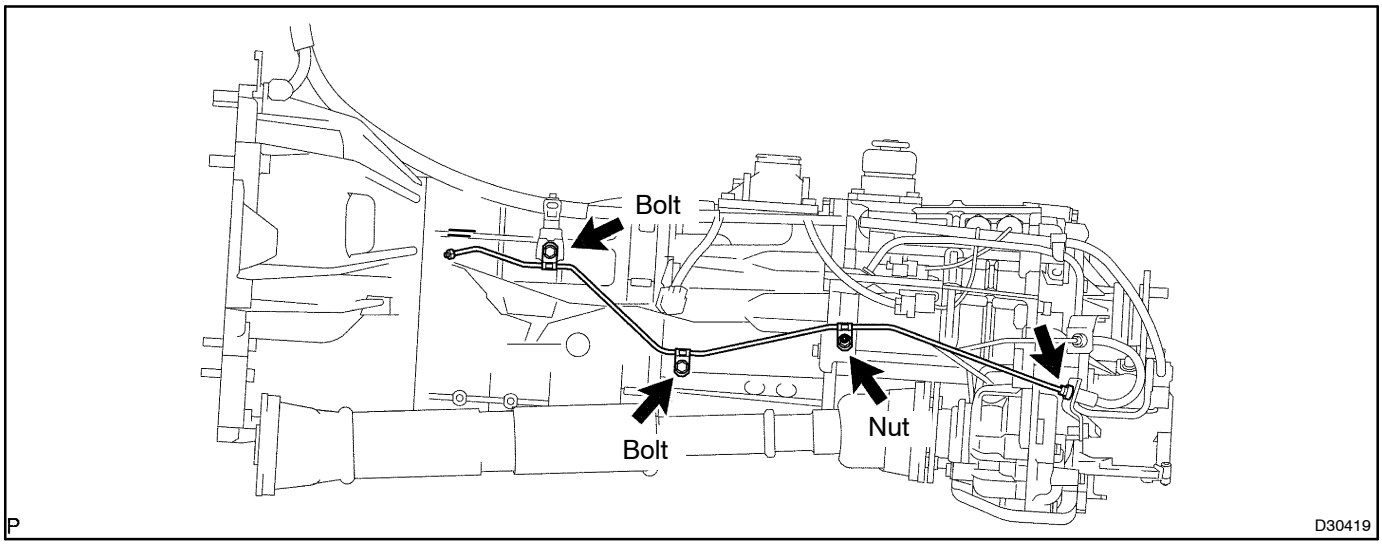
(b) Remove the 2 bolts and the clutch release cylinder assy.

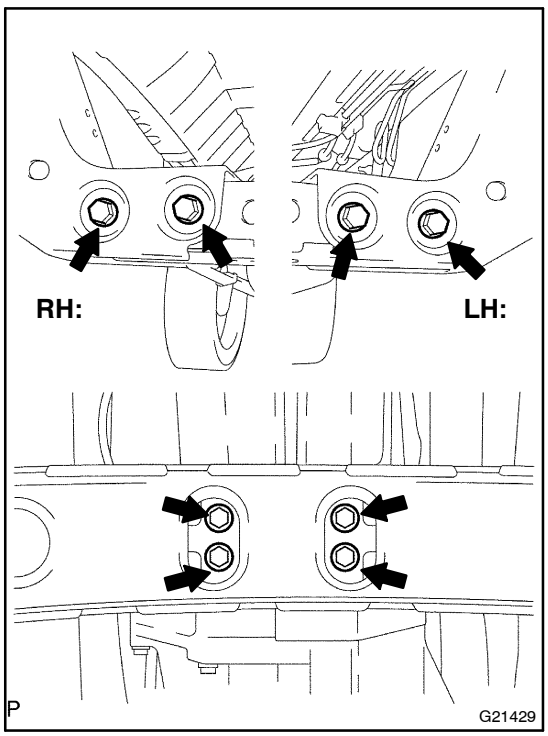


(c) Disconnect the 2 clutch release cylinder to flexible hose tubes, and remove the 3 bolts and accumulator.
SST 09023–00100

(d) Disconnect the clutch release cylinder to flexible hose tube.
SST 09023–00100

(e) Remove the 2 bolts, nut and the clutch release cylinder to flexible hose tube.



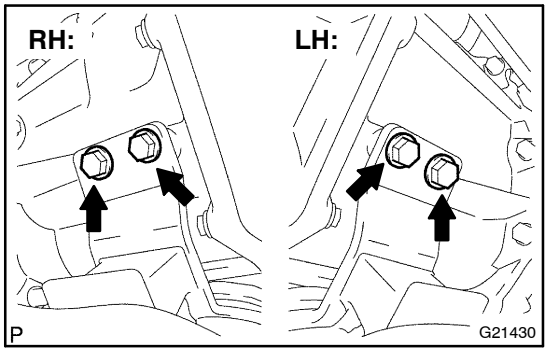


21. REMOVE FRAME CROSSMEMBER SUB–ASSY NO.3

(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.



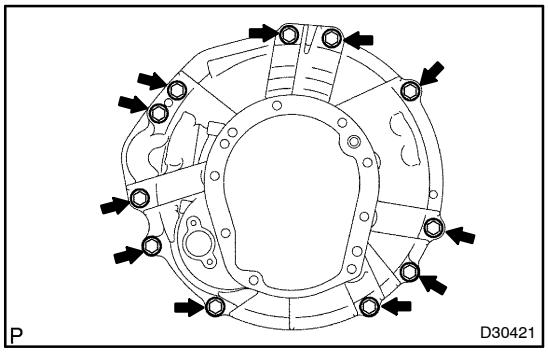
22. REMOVE ENGINE MOUNTING INSULATOR REAR NO.1

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

23. REMOVE MANUAL TRANSMISSION UNIT ASSY

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

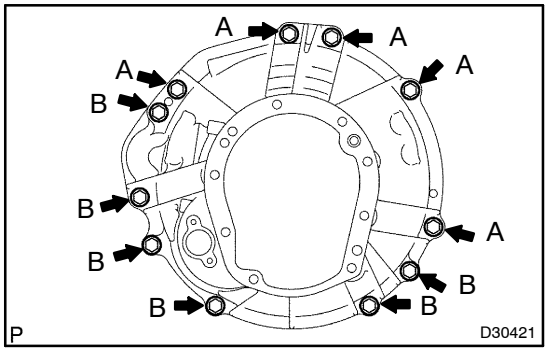
(b) Remove the support stand from the rear side.



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

24. REMOVE TRANSFER ASSY (See Pub. No. RM990E, page 31–18)

25. INSTALL TRANSFER ASSY (See Pub. No. RM990E, page 31–44)



26. INSTALL MANUAL TRANSMISSION UNIT ASSY

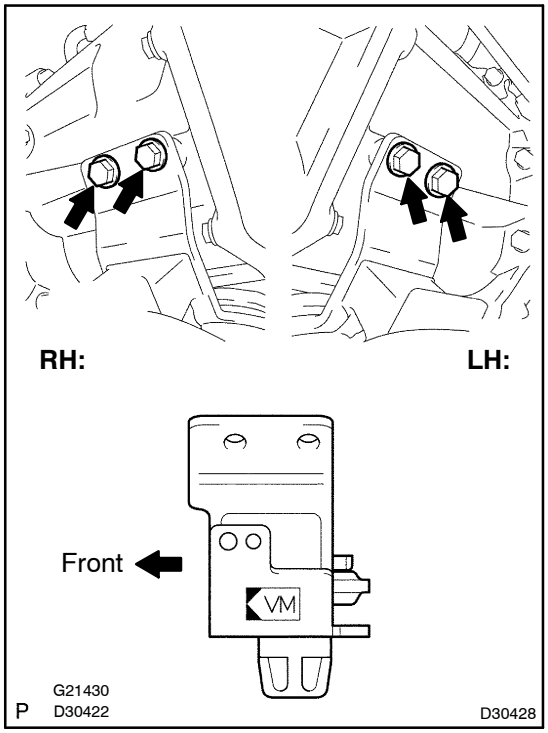
(a) Align the input shaft with the clutch disc and install the transmission unit to the engine.

(b) Install the 11 bolts.

Torque:

A: 72 N·m (730 kgf·cm, 53 ft·lbf)

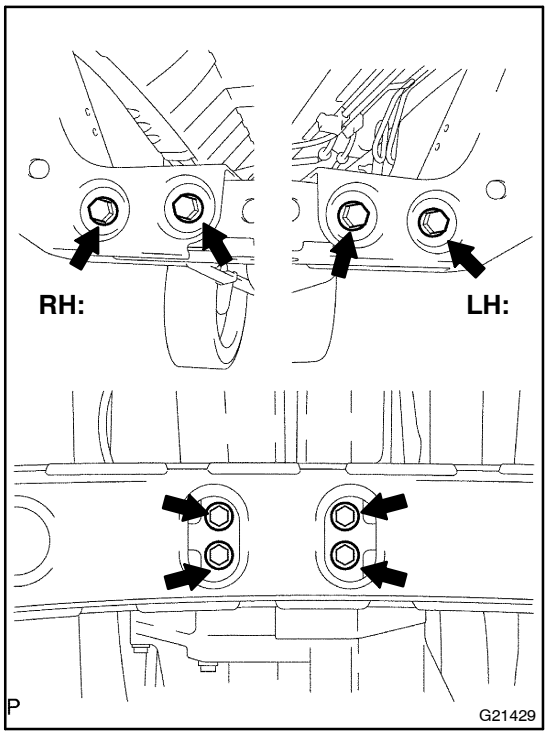
B: 37 N·m (380 kgf·cm, 28 ft·lbf)



27. 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)

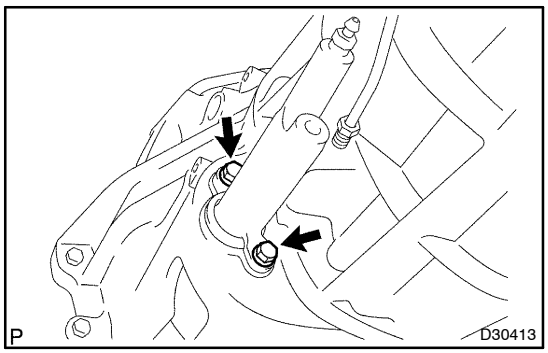
HINT:
Install the engine mounting insulator rear No.1 with the inscribing mark facing sideward.



28. INSTALL FRAME CROSSMEMBER SUB–ASSY NO.3

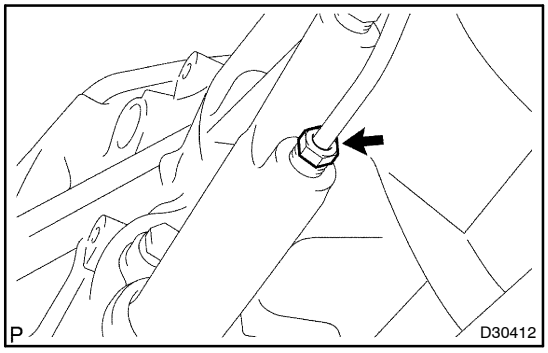
(a) Install the frame crossmember sub–assy No.3 with the 8 bolts and nuts.
Torque: 72 N·m (735 kgf·cm, 53 ft·lbf)

(b) Install the 4 set bolts to the engine mounting insulator rear No.1.
Torque: 19 N·m (189 kgf·cm, 14 ft·lbf)



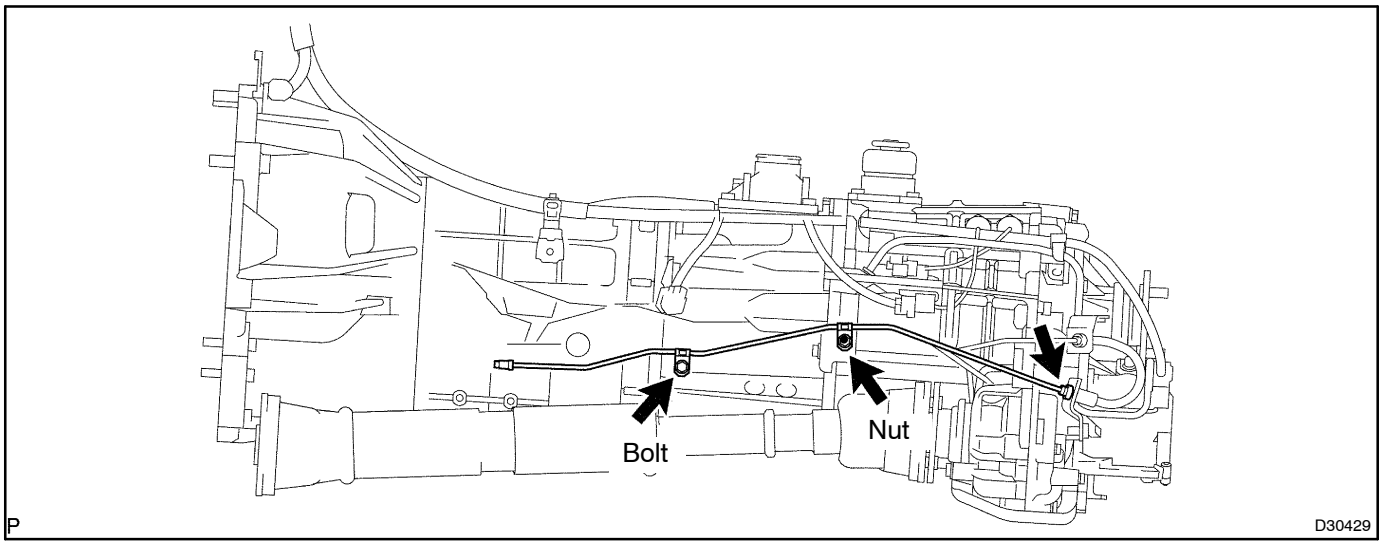
29. CONNECT CLUTCH RELEASE CYLINDER ASSY (RHD STEERING POSITION TYPE)

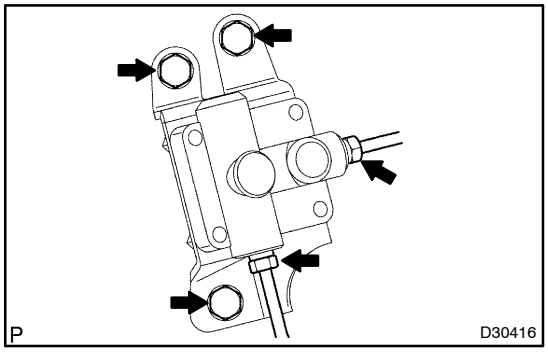
(a) Install the clutch release cylinder assy with the 2 bolts.
Torque: 19 N·m (194 kgf·cm, 14 ft·lbf)



(b) Connect the clutch release cylinder to flexible hose tube.
Torque: 15 N·m (153 kgf·cm, 11 ft·lbf)
SST 09023–00100

(c) Install the clutch release cylinder to flexible hose tube with the bolt and nut.
SST 09023–00100
Torque:
Bolt, nut: 19 N·m (194 kgf·cm, 14 ft·lbf)
Flare nut: 15 N·m (153 kgf·cm, 11 ft·lbf)

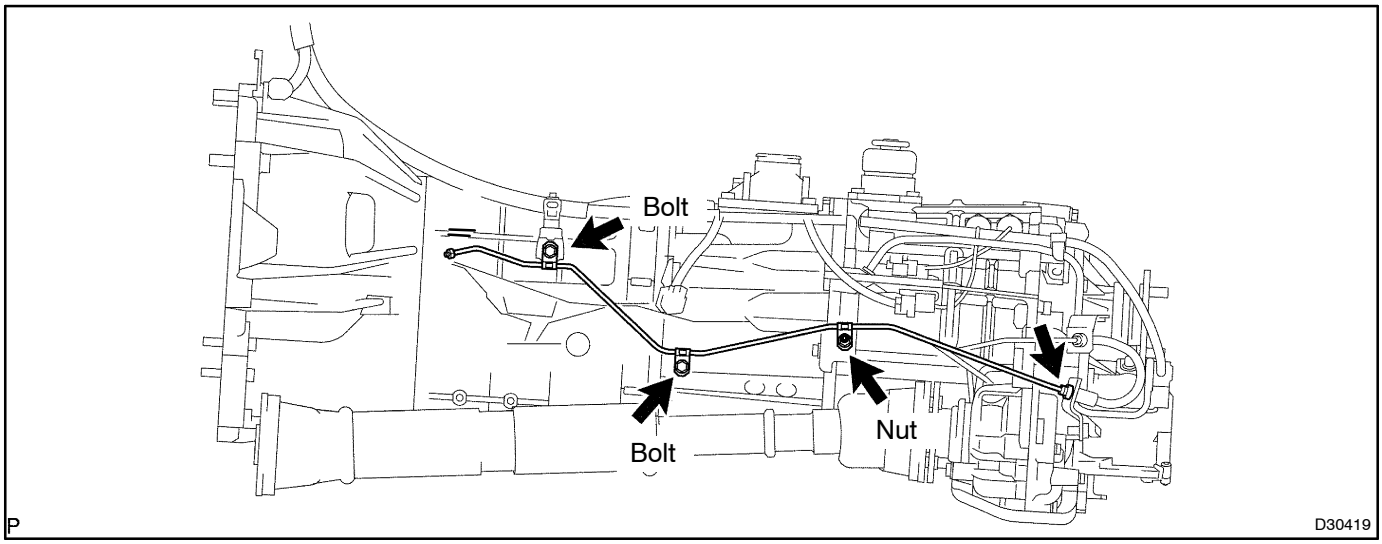


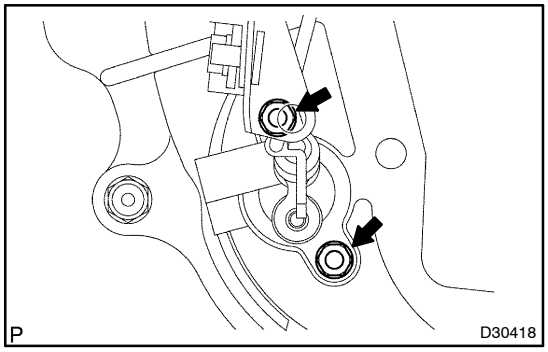


30. CONNECT CLUTCH RELEASE CYLINDER ASSY (LHD STEERING POSITION TYPE)

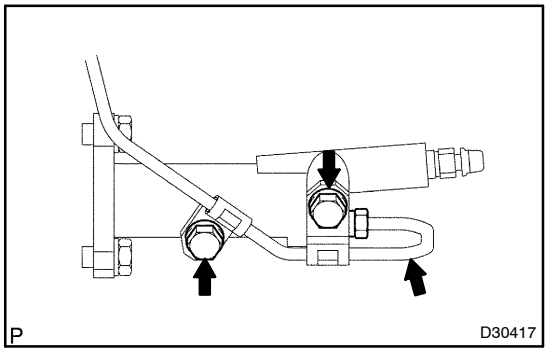
(a) Install the accumulator with the 3 bolts and connect the 2 clutch release cylinder to flexible hose tubes.
SST 09023–00100
Torque:
Bolt: 12 N·m (120 kgf·cm, 9 ft·lbf)
Flare nut: 15 N·m (153 kgf·cm, 11 ft·lbf)

(b) Install the clutch release cylinder to flexible hose tube with the 2 bolts and nut.
SST 09023–00100
Torque:
Bolt: 19 N·m (194 kgf·cm, 14 ft·lbf)
Flare nut: 15 N·m (153 kgf·cm, 11 ft·lbf)





(c) Install the clutch release cylinder assy with the 2 bolts.
Torque: 19 N·m (194 kgf·cm, 14 ft·lbf)



(d) Connect the clutch release cylinder to flexible hose tube with the 2 bolts.
SST 09023–00100
Torque:
Bolt: 19 N·m (194 kgf·cm, 14 ft·lbf)
Flare nut: 15 N·m (153 kgf·cm, 11 ft·lbf)

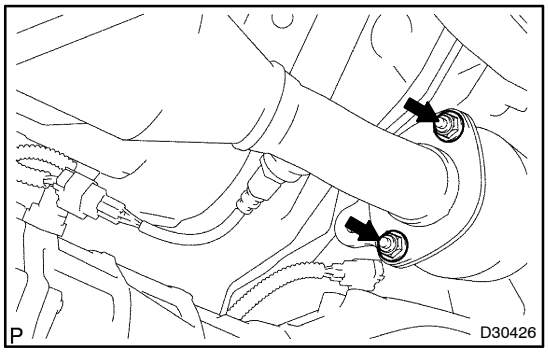
31. CONNECT WIRE HARNESS

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

(b) Transfer side:

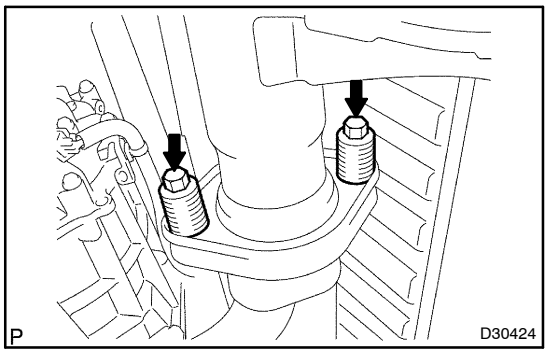
(1) w/o Transfer shift actuator:
Connect the transfer indicator switch No.1, No.2, No.3, connecter and speedometer sensor connector.

(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.

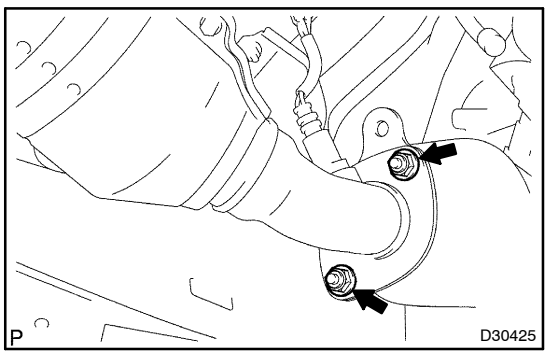


32. INSTALL EXHAUST PIPE ASSY FRONT

(a) Install the exhaust pipe assy front and a new gasket with the 2 nuts.
Torque: 62 N·m (630 kgf·cm, 46 ft·lbf)

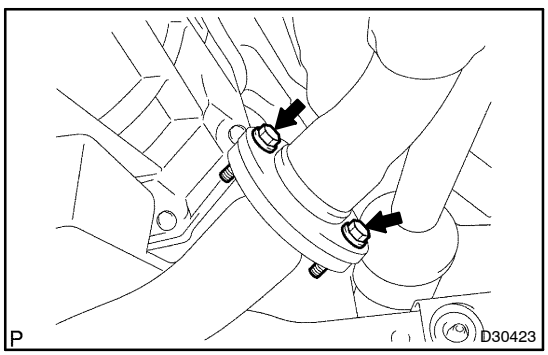


(b) Install a new gasket with the 2 bolts and compression springs.
Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)



33. INSTALL EXHAUST FRONT PIPE ASSY NO.2

(a) Install the exhaust front pipe assy No.2 and a new gasket with the 2 nuts.
Torque: 62 N·m (630 kgf·cm, 46 ft·lbf)



(b) Install a new gasket with the 2 bolts.
Torque: 48 N·m (490 kgf·cm, 35 ft·lbf)

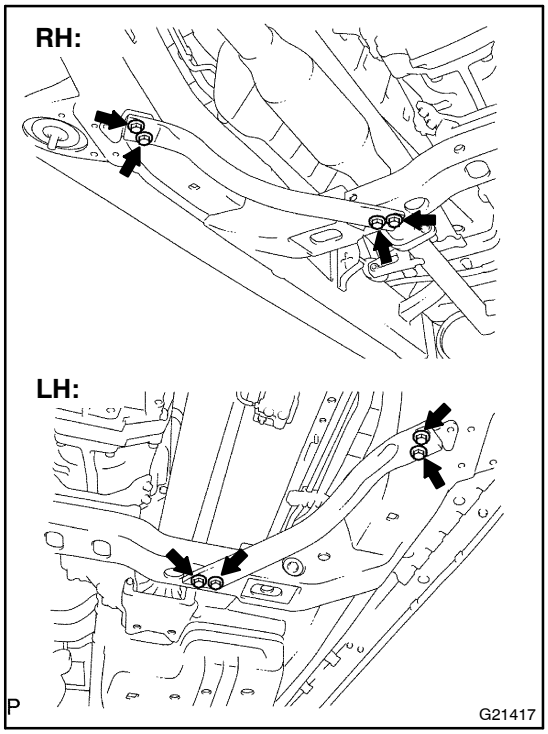
34. INSTALL PROPELLER SHAFT ASSY (LONG BODY TYPE) (See Pub. No. RM990E, page 30–18)

35. INSTALL PROPELLER SHAFT ASSY (SHORT BODY TYPE) (See Pub. No. RM990E, page 30–18)

36. INSTALL PROPELLER SHAFT ASSY FRONT (See Pub. No. RM990E, page 30–9)

37. INSTALL PROPELLER SHAFT HEAT INSULATOR

(a) Install the propeller shaft heat insulator with the 2 bolts.
Torque: 16 N·m (163 kgf·cm, 12 ft·lbf)

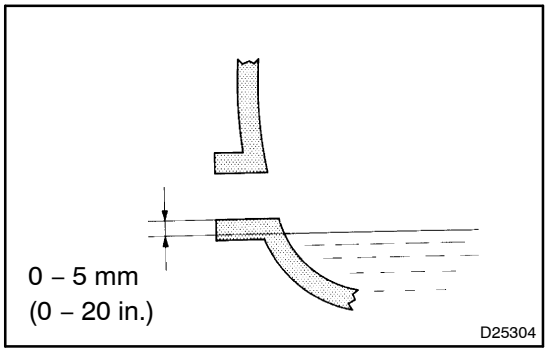


38. INSTALL FRONT SUSPENSION MEMBER BRACKET LH

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

39. INSTALL FRONT SUSPENSION MEMBER BRACKET

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



40. ADD MANUAL TRANSMISSION OIL
Oil grade: GL–4 or GL–5
Viscosity: SAE 75W–90
Capacity: 2.2 liters (2.3 US qts, 1.9 lmp qts)
Torque: 37 N·m (380 kgf·cm, 28 ft·lbf)

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

42. 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.

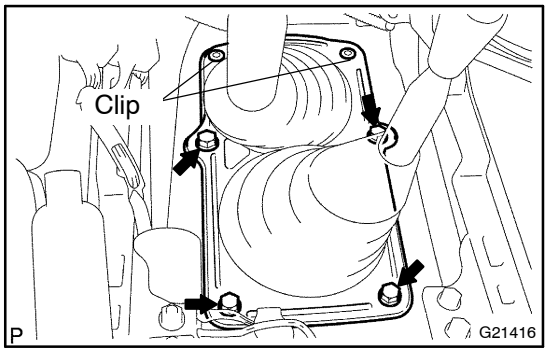
43. INSTALL FLOOR SHIFT SHIFT LEVER ASSY

(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.



44. INSTALL SHIFT LEVER BOOT ASSY

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

45. CONNECT BATTERY NEGATIVE TERMINAL