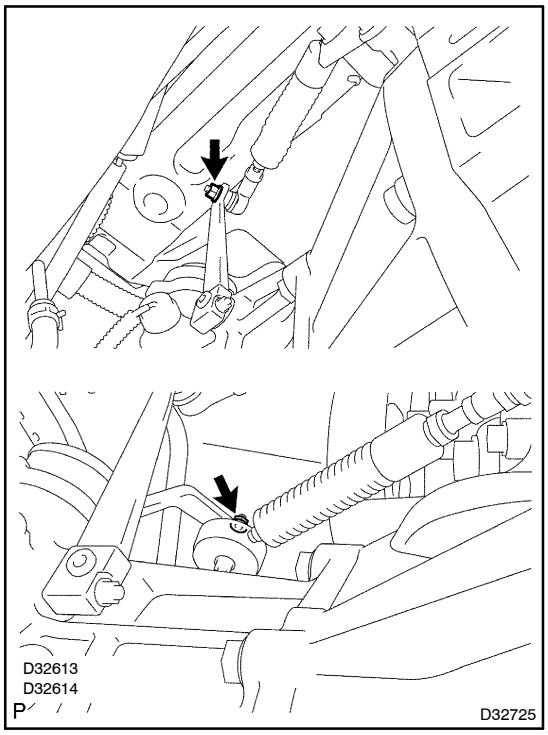
MANUAL TRANSMISSION UNIT ASSY (M550)

410GF–01

REPLACEMENT

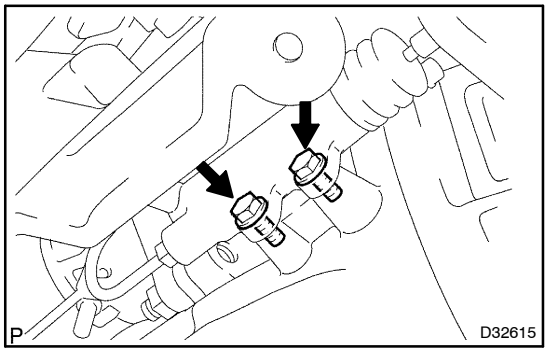
1. **DISCONNECT BATTERY NEGATIVE TERMINAL**
2. **DRAIN MANUAL TRANSMISSION OIL (See page 41–2)**
3. **REMOVE ENGINE SIDE COVER SUB–ASSY LH**
4. **REMOVE ENGINE SIDE COVER SUB–ASSY RH**
5. **REMOVE EXHAUST PIPE ASSY CENTER (See page 15–2)**
6. **REMOVE EXHAUST PIPE ASSY FRONT (See page 15–2)**
7. **REMOVE PROPELLER SHAFT ASSY**
   B–type propeller shaft (See pub No. RM1008E, page 30–6 or 30–22)
   LE–type propeller shaft (See pub No. RM1008E, page 30–14 or 30–29)
8. **REMOVE PARKING BRAKE DRUM SUB–ASSY (See pub No. RM1008E, page 33–11)**
9. **DISCONNECT PARKING BRAKE PLATE SUB–ASSY (See pub No. RM1008E, page 33–11)**



10. **DISCONNECT SHIFT AND SELECT TRANSMISSION CONTROL CABLE ASSY**

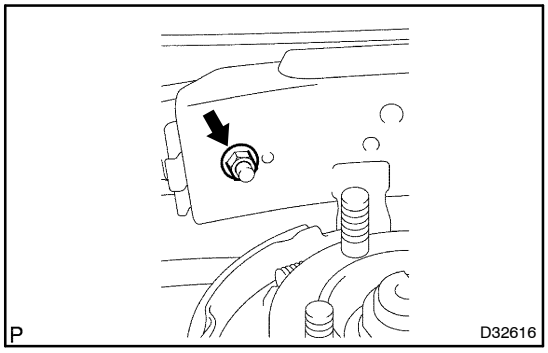
(a) Remove the 2 nuts.

(b) Remove the 2 clips and disconnect the 2 control cables.



11. **DISCONNECT CLUTCH RELEASE CYLINDER ASSY**

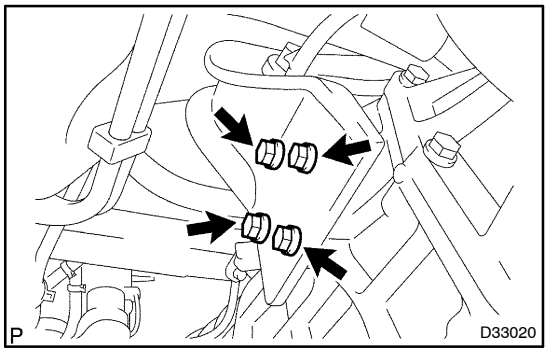
(a) Remove the 2 bolts and disconnect the release cylinder.



12. REMOVE ENGINE MOUNTING BRACKET NO.3

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

(b) Remove the nut.

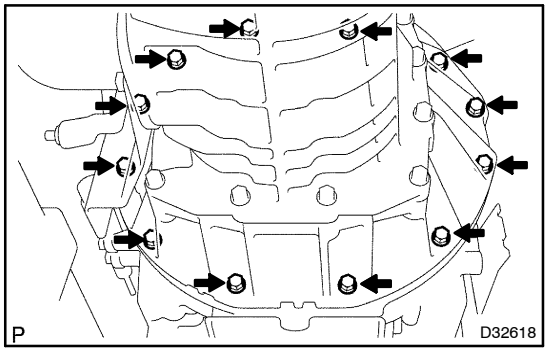


(c) Remove the 4 bolts and mounting bracket together with the insulator.

13. REMOVE ENGINE MOUNTING BRACKET NO.1

HINT:

Use the same procedure discribed for the No. 3.



14. REMOVE MANUAL TRANSMISSION UNIT ASSY

(a) Disconnect the connector and clamp.

(b) Remove the 12 bolts.

(c) Remove the transmission unit.

NOTICE:

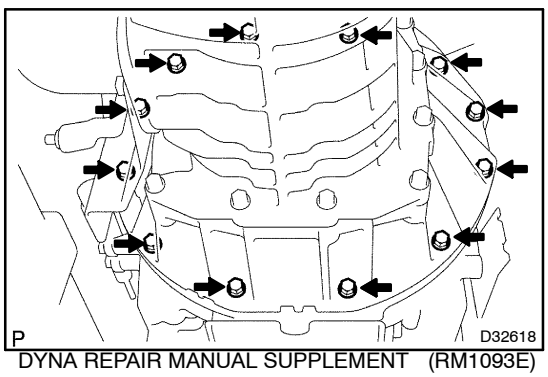
Do not severely shake the transmission, otherwise the input shaft will be damaged.

15. REMOVE CLUTCH RELEASE BEARING ASSY (See page 42–2)

16. REMOVE CLUTCH RELEASE FORK SUB–ASSY (See page 42–2)

17. INSTALL CLUTCH RELEASE FORK SUB–ASSY (See page 42–2)

18. INSTALL CLUTCH RELEASE BEARING ASSY (See page 42–2)



19. INSTALL MANUAL TRANSMISSION UNIT ASSY

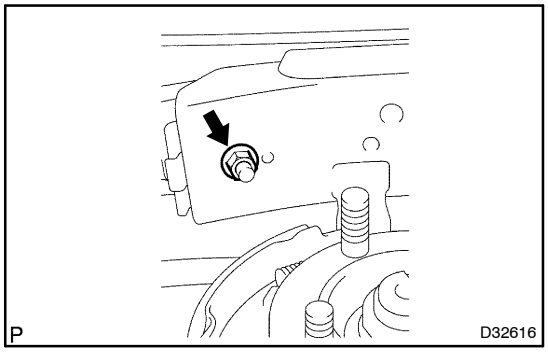
(a) Using a jack, lift up the transmission unit.

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

(c) Install the 12 transmission mounting bolts.

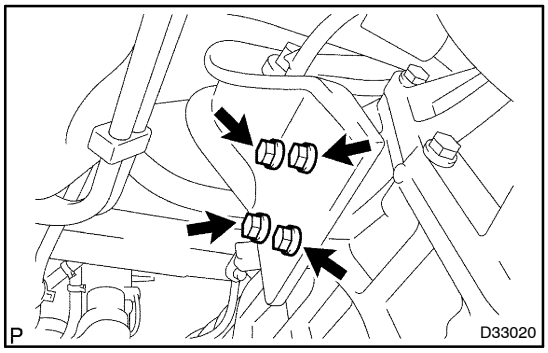
Torque: 43 N·m (439 kgf·cm, 32 ft·lbf)

(d) Install each connector and clamp.



20. INSTALL ENGINE MOUNTING BRACKET NO.1

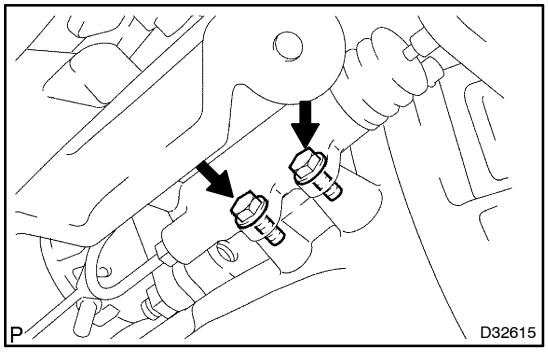
(a) Install the nut.
Torque: 64 N·m (650 kgf·cm, 47 ft·lbf)



(b) Install the mounting bracket with the 4 bolts.
Torque: 57 N·m (581 kgf·cm, 42 ft·lbf)

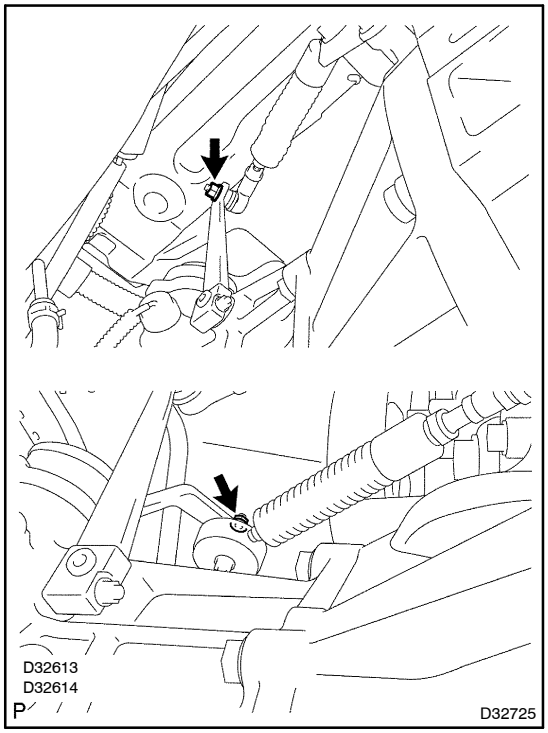
21. INSTALL ENGINE MOUNTING BRACKET NO.3

HINT:
Use the same procedure described for the No. 1.



22. INSTALL CLUTCH RELEASE CYLINDER ASSY

(a) Install the release cylinder with the 2 bolts.
Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)



23. CONNECT SHIFT AND SELECT TRANSMISSION CONTROL CABLE ASSY

(a) Connect the 2 control cables to the levers with the 2 nuts.
Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)

(b) Install the 2 control cables to the bracket with 2 new clips.

24. INSTALL PARKING BRAKE PLATE SUB–ASSY (See pub No. RM1008E, page 33–11)
25. INSTALL PARKING BRAKE DRUM SUB–ASSY (See pub No. RM1008E, page 33–11)
26. ADJUST PARKING BRAKE SHOE CLEARANCE (See pub No. RM1008E, page 33–2)
27. INSTALL PROPELLER SHAFT ASSY
B–type propeller shaft (See pub No. RM1008E, page 30–6 or 30–22)
LE–type propeller shaft (See pub No. RM1008E, page 30–14 or 30–29)
28. INSTALL EXHAUST PIPE ASSY FRONT (See page 15–2)
29. INSTALL EXHAUST PIPE ASSY CENTER (See page 15–2)
30. INSTALL ENGINE SIDE COVER SUB–ASSY LH
31. INSTALL ENGINE SIDE COVER SUB–ASSY RH
32. FILL UP MANUAL TRANSMISSION OIL (See page 41–2)
33. CONNECT BATTERY NEGATIVE TERMINAL