

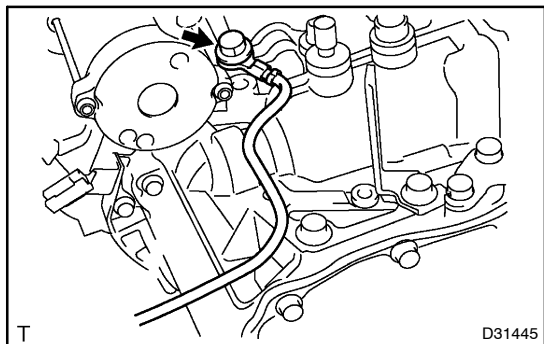
# MANUAL TRANSAKLE ASSY (From July, 2003)

410FR-01

## REPLACEMENT

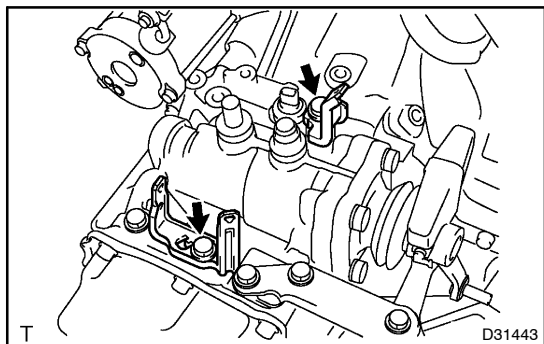
COMPONENTS: Partial engine assy (See pub. No. RM915E, page 14-79)

1. REMOVE ENGINE ASSEMBLY WITH TRANSAKLE  
(See Pub. No. RM915E, page 14-87)
2. REMOVE FRONT DRIVE SHAFT ASSY RH (SEE PAGE 30-4)
3. REMOVE FRONT DRIVE SHAFT ASSY LH (SEE PAGE 30-4)
4. REMOVE CLUTCH ACCUMULATOR ASSY (SEE PAGE 42-3)
5. REMOVE CLUTCH RELEASE CYLINDER ASSY (SEE PAGE 42-1)
6. DISCONNECT WIRE HARNESS
  - (a) Disconnect the wire harness clamp.
  - (b) Disconnect the back-up lamp switch connector, speedometer sensor connector and starter connector.



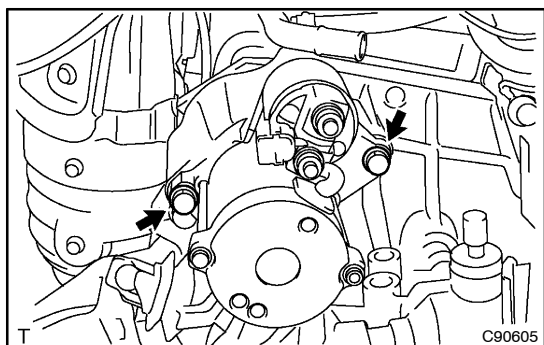
### 7. REMOVE ENGINE WIRE NO.3

- (a) Remove the bolt and disconnect the engine wire No.3.



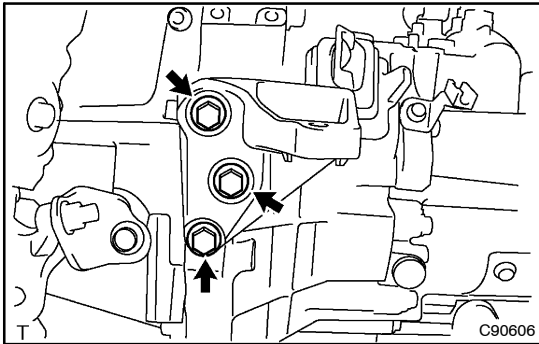
### 8. REMOVE WIRE HARNESS CLAMP

- (a) Remove the 2 bolts and 2 wire harness clamps.

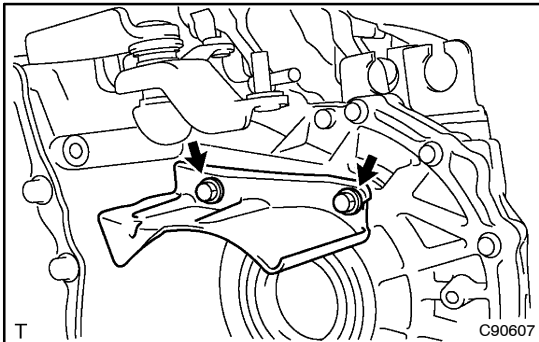


### 9. REMOVE STARTER ASSY

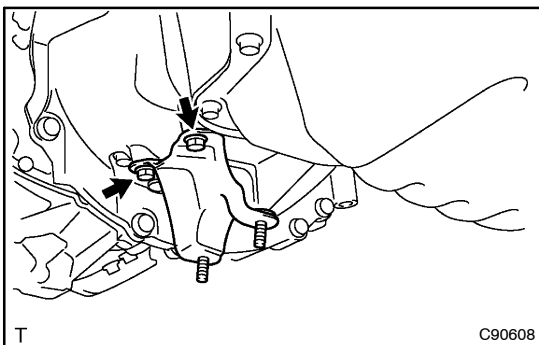
- (a) Remove the 2 bolts and starter assy.

**10. REMOVE ENGINE MOUNTING BRACKET FR**

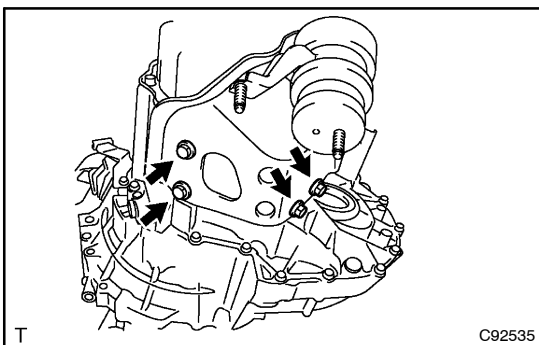
- (a) Remove the 3 bolts and engine mounting bracket FR.

**11. REMOVE MANUAL TRANSMISSION CASE PROTECTOR**

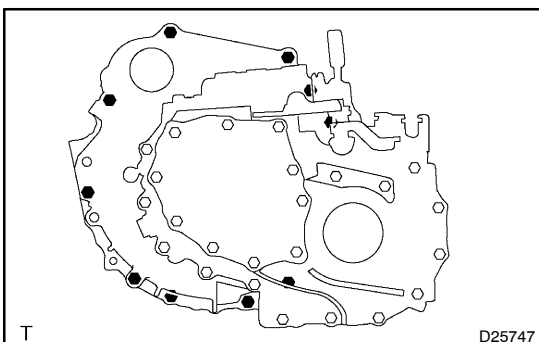
- (a) Remove the 2 bolts and manual transmission case protector.

**12. REMOVE EXHAUST PIPE SUPPORT BRACKET NO.1**

- (a) Remove the 2 bolts and exhaust pipe support bracket No.1.

**13. REMOVE ENGINE MOUNTING INSULATOR LH**

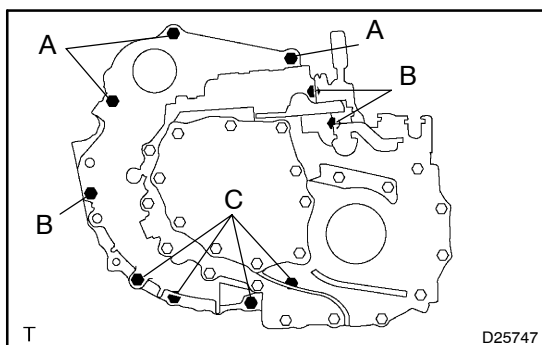
- (a) Remove the 4 bolts and engine mounting insulator LH.

**14. REMOVE MANUAL TRANSAXLE ASSY**

- (a) Remove the 10 bolts.  
(b) Separate and remove the transaxle from the engine.

**15. INSTALL MANUAL TRANSAXLE ASSY**

- (a) Align the input shaft with the clutch disc and install the transaxle to the engine.



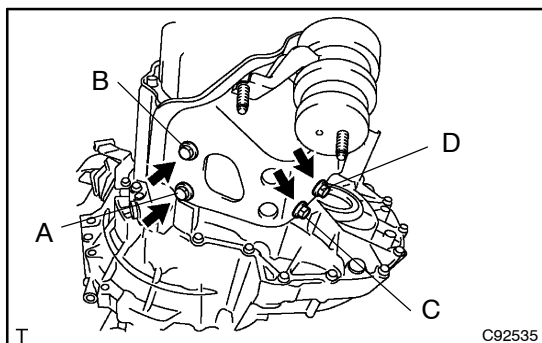
- (b) Install the 10 bolts.

**Torque:**

**Bolt A: 64 N·m (653 kgf·cm, 47 ft·lbf)**

**Bolt B: 46 N·m (470 kgf·cm, 34 ft·lbf)**

**Bolt C: 44 N·m (449 kgf·cm, 32 ft·lbf)**



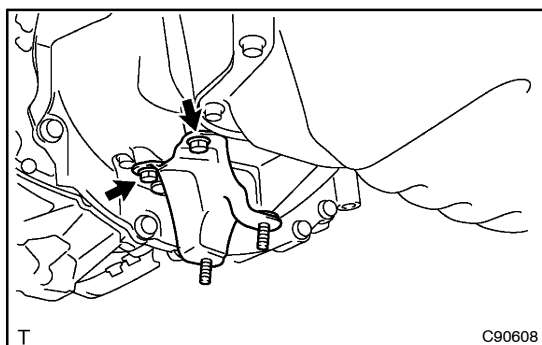
**16. INSTALL ENGINE MOUNTING INSULATOR LH**

- (a) Install the engine mounting insulator LH with the 4 bolts.

**Torque: 64 N·m (653 kgf·cm, 47 ft·lbf)**

**HINT:**

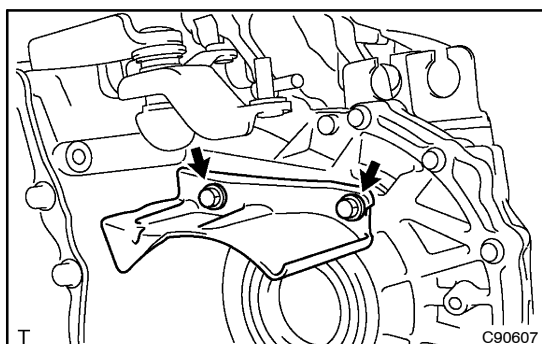
Tighten them in order: A, B, C and D.



**17. INSTALL EXHAUST PIPE SUPPORT BRACKET NO.1**

- (a) Install the exhaust pipe support bracket No.1 with the 2 bolts.

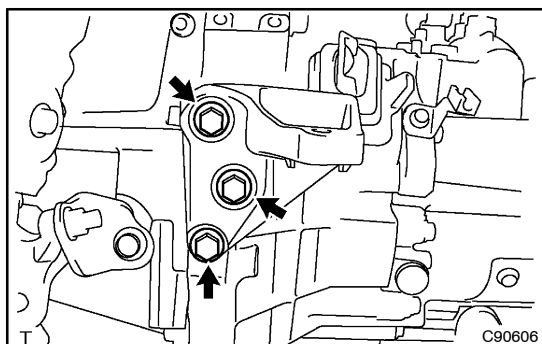
**Torque: 19 N·m (194 kgf·cm, 14 ft·lbf)**



**18. INSTALL MANUAL TRANSMISSION CASE PROTECTOR**

- (a) Install the manual transmission case protector with the 2 bolts.

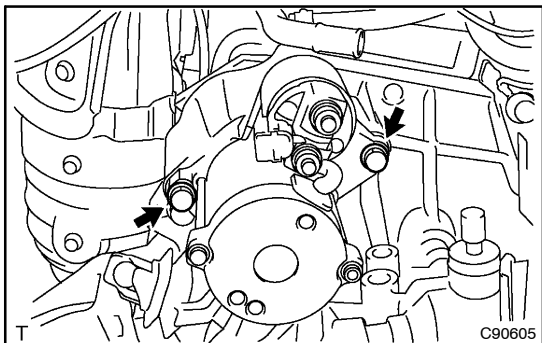
**Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)**



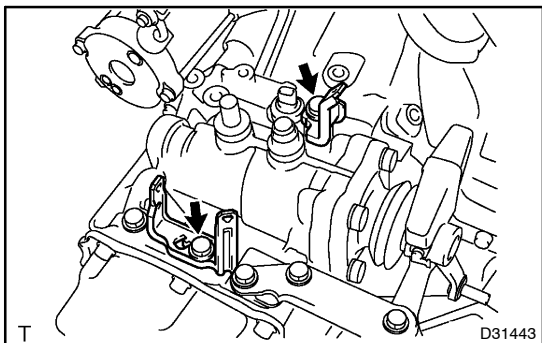
**19. INSTALL ENGINE MOUNTING BRACKET FR**

- (a) Install the engine mounting bracket FR with the 3 bolts.

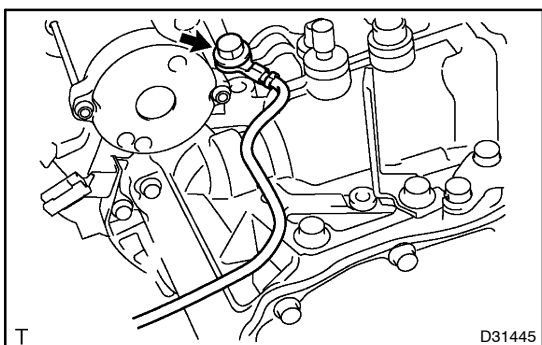
**Torque: 64 N·m (653 kgf·cm, 47 ft·lbf)**

**20. INSTALL STARTER ASSY**

- (a) Install the starter assy with the 2 bolts.  
Torque: 39 N·m (398 kgf·cm, 29 ft·lbf)

**21. INSTALL WIRE HARNESS CLAMP**

- (a) Install the 2 wire harness clamps with the 2 bolts.  
Torque: 3.4 N·m (86 kgf·cm, 74 in·lbf)

**22. INSTALL ENGINE WIRE NO. 3**

- (a) Connect the engine wire No. 3 with the bolt.  
Torque: 9.6 N·m (98 kgf·cm, 85 in·lbf)

**23. CONNECT WIRE HARNESS**

- (a) Install the wire harness clamp.  
(b) Connect the back-up lamp switch connector, speedometer sensor connector and starter connector.

**24. INSTALL CLUTCH RELEASE CYLINDER ASSY (SEE PAGE 42-1)****25. INSTALL CLUTCH ACCUMULATOR ASSY (SEE PAGE 42-3)****26. INSTALL FRONT DRIVE SHAFT ASSY LH (SEE PAGE 30-4)****27. INSTALL FRONT DRIVE SHAFT ASSY RH (SEE PAGE 30-4)****28. INSTALL ENGINE ASSEMBLY WITH TRANSAXLE**

(See Pub. No. RM915E, page 14-87)