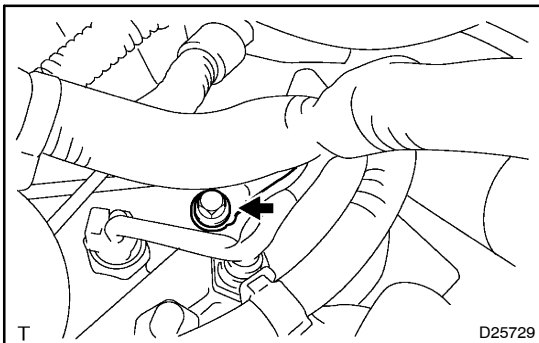


MANUAL TRANSAKLE ASSY (1CD-FTV)

4104A-01

REPLACEMENT

1. REMOVE WIPER LINK ASSY
(See page 66-9)
2. REMOVE COWL TOP PANEL SUB-ASSY OUTER
(See page 26-7)
3. REMOVE HOOD SUB-ASSY
4. REMOVE BATTERY
5. REMOVE AIR CLEANER ASSY
6. REMOVE AIR CLEANER HOSE NO.1
7. REMOVE FRONT WHEEL
8. REMOVE ENGINE UNDER COVER RH
9. REMOVE ENGINE UNDER COVER LH
10. DRAIN TRANSAXLE OIL
Torque: 49 N·m (500 kgf·cm, 36 ft·lb)
11. REMOVE AIR TUBE NO.2
12. REMOVE AIR HOSE NO.2
13. REMOVE AIR HOSE NO.4
14. REMOVE INTERCOOLER AIR HOSE
15. REMOVE AIR TUBE NO.1



16. SEPARATE WIRE HARNESS

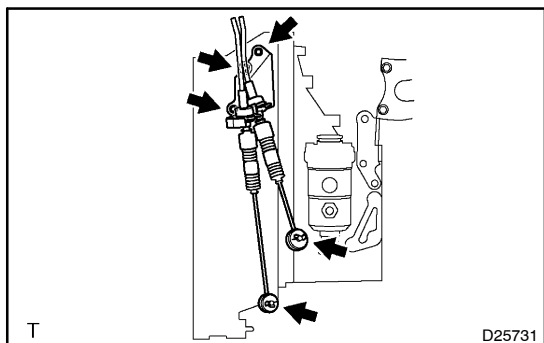
- (a) Remove the bolt and separate the wire harness.

17. SEPARATE CONNECTOR

- (a) Separate the back-up lamp switch connector.

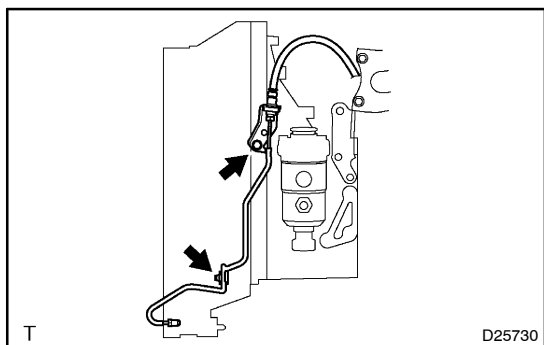
18. REMOVE CLUTCH RELEASE CYLINDER ASSY

(See page 42-17)



19. SEPARATE FLOOR SHIFT TRANSMISSION CONTROL CABLE ASSY

- (a) Remove the 2 clips, 2 washers and 3 bolts and separate the control cable assy with bracket.



20. SEPARATE ACCUMULATOR TO FLEXIBLE HOSE TUBE

- (a) Separate the clamp.
(b) Remove the bolt and separate the flexible hose tube with bracket.

21. REMOVE STARTER ASSY

- (a) Remove the nut and disconnect the starter wire.
(b) Disconnect the connector.
(c) Remove the 2 bolts and starter assy.

22. REMOVE MANUAL TRANSMISSION CASE PROTECTOR

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

23. REMOVE FRONT DRIVE SHAFT ASSY RH

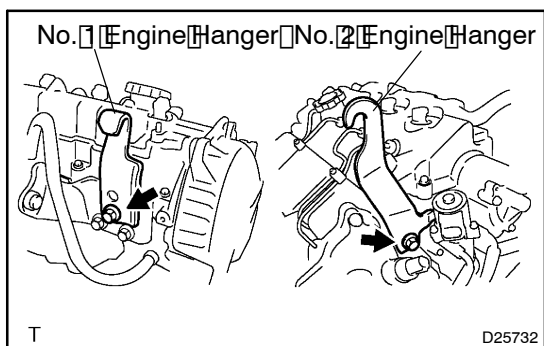
(See page 30-7)

SST 09520-01010, 09520-24010 (09520-32040)

24. REMOVE FRONT DRIVE SHAFT ASSY LH

(See page 30-7)

SST 09520-01010, 09520-24010 (09520-32040)



25. SUSPEND ENGINE ASSY

- (a) Install the No. 1 and No. 2 engine hangers in the correct direction.

Parts No.:

No. 1 engine hanger: 2281-27020

No. 2 engine hanger: 2282-27020

Bolt: 1642-81025

Torque: 36.8 N·m (375 kgf·cm, 27 ft·lbf)

- (b) Attach the engine chain hoist to the engine hanger.

CAUTION:

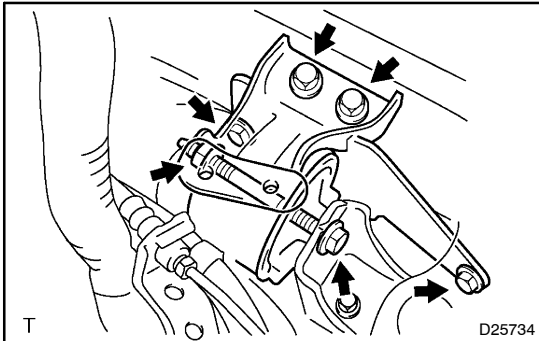
Do not attempt to hang the engine by hooking the chain to any other part.

26. REMOVE EXHAUST PIPE ASSY FRONT

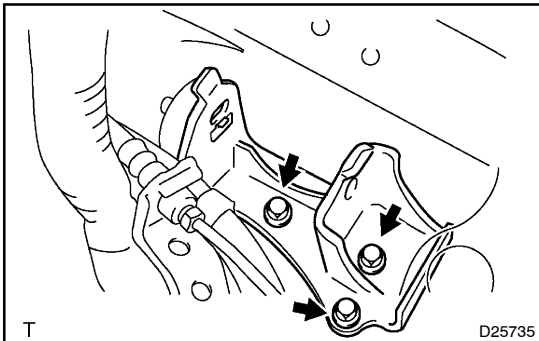
(See page 15-1)

27. SUPPORT MANUAL TRANSAXLE ASSY

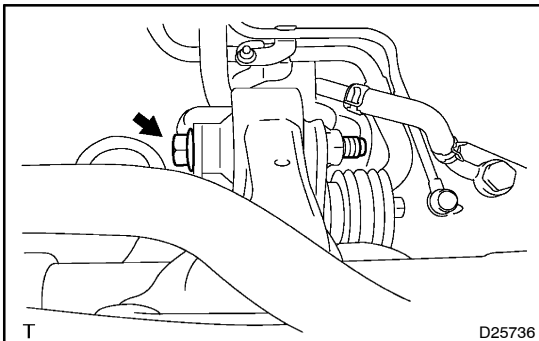
- (a) Support the manual transaxle with a transmission jack.

**28. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR**

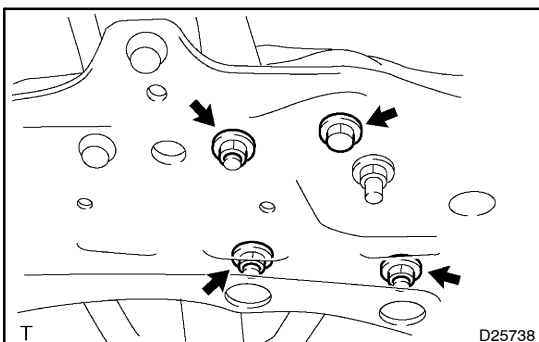
- (a) Remove the 5 bolts, nut and engine mounting insulator LH.

**29. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING BRACKET**

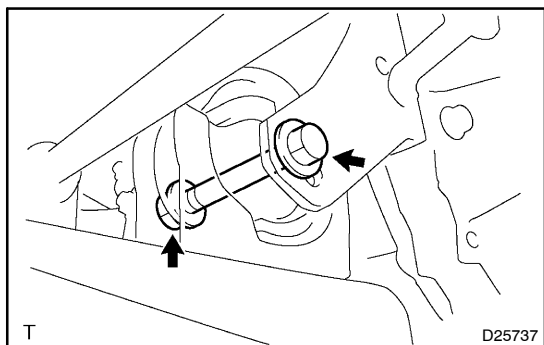
- (a) Remove the 3 bolts and engine mounting bracket.

30. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR

- (a) Remove the bolt from engine mounting bracket RR.

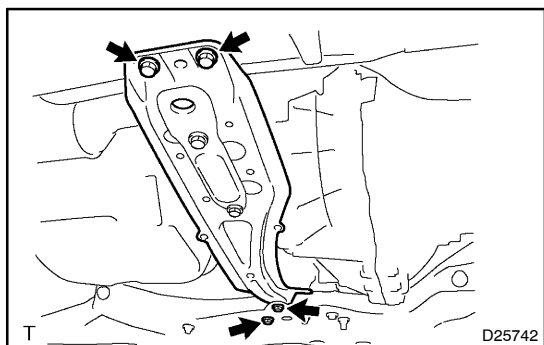


- (b) Remove the 3 nuts, bolt and engine mounting insulator RR from suspension member.



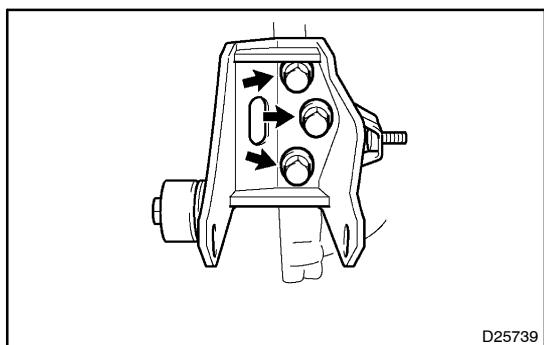
31. SEPARATE TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR

- (a) Remove the bolt and nut from the engine mounting bracket FR.



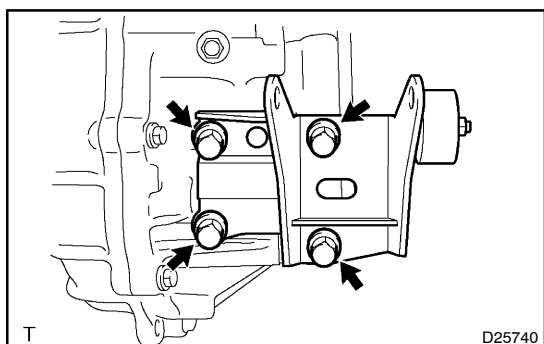
32. REMOVE ENGINE MOUNTING MEMBER SUB-ASSY CENTER

- (a) Remove the 4 bolts and center member with engine mounting insulator FR.



33. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING BRACKET

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

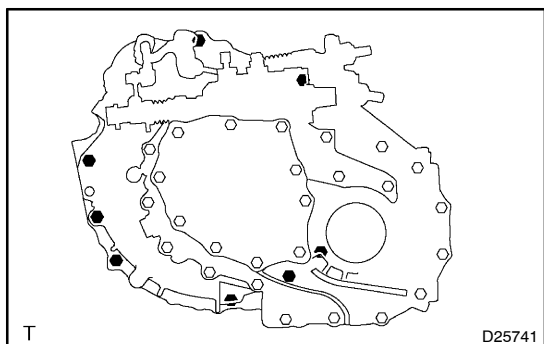


34. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING BRACKET

- (a) Remove the 4 bolts and engine mounting bracket RR.

35. REMOVE MANUAL TRANSAXLE ASSY

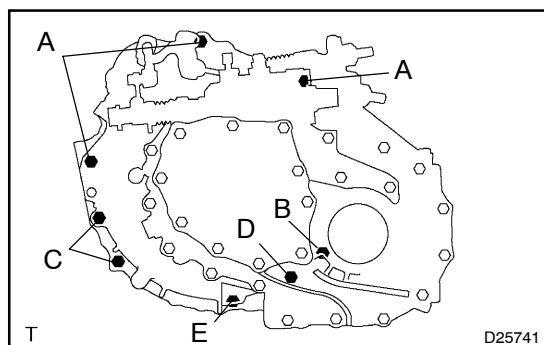
- (a) Separate the wire harness clamp.



- (b) Remove the 8 bolts.
(c) Separate and remove the transaxle from the engine.

36. INSTALL MANUAL TRANSAXLE ASSY

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



- (b) Install the 8 bolts.

Torque:

Bolt A: 64 N·m (650 kgf·cm, 47 ft·lbf)

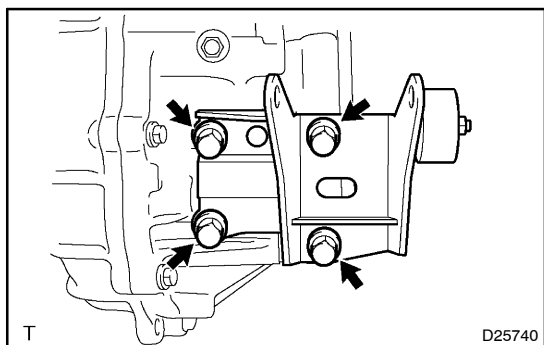
Bolt B: 46 N·m (470 kgf·cm, 34 ft·lbf)

Bolt C: 40 N·m (409 kgf·cm, 30 ft·lbf)

Bolt D: 19.5 N·m (199 kgf·cm, 14 ft·lbf)

Bolt E: 8.0 N·m (82 kgf·cm, 71 in·lbf)

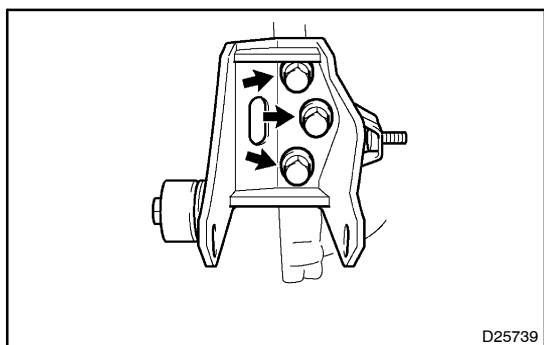
- (c) Connect the wire harness clamp.



37. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING BRACKET

- (a) Install the engine mounting bracket RR to the transaxle with the 4 bolts.

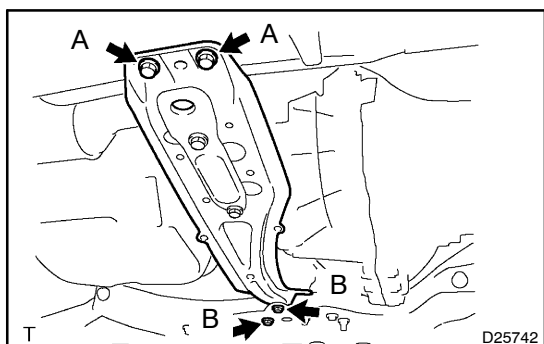
Torque: 64 N·m (652 kgf·cm, 47 ft·lbf)



38. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING BRACKET

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

Torque: 64 N·m (652 kgf·cm, 47 ft·lbf)



39. INSTALL ENGINE MOUNTING MEMBER SUB-ASSY CENTER

- (a) Install the center member with the 4 bolts.

Torque:

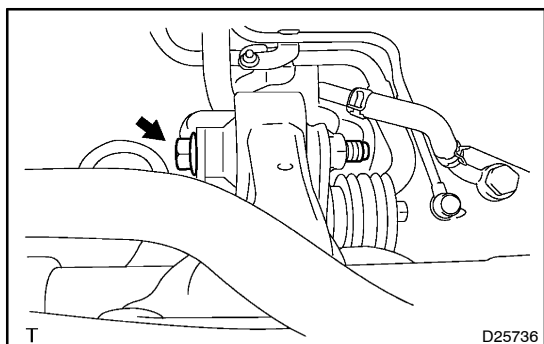
Bolt A: 45 N·m (459 kgf·cm, 33 ft·lbf)

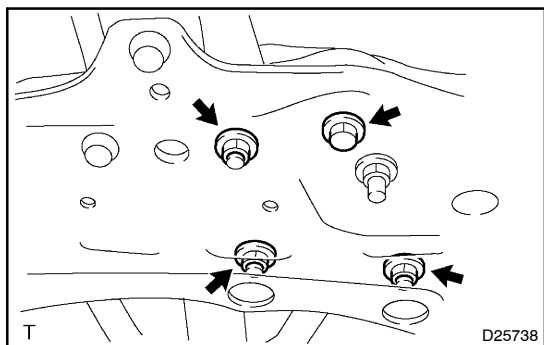
Bolt B: 80 N·m (816 kgf·cm, 59 ft·lbf)

40. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR

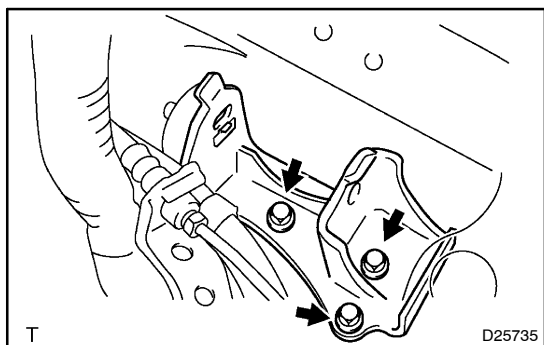
- (a) Install the engine mounting insulator RR to the engine mounting bracket RR with the bolt.

Torque: 87 N·m (887 kgf·cm, 64 ft·lbf)



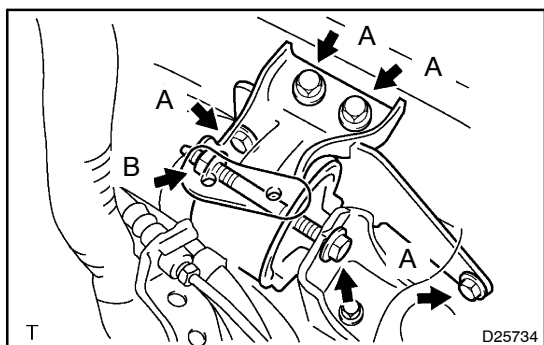


- (b) Tighten the 3 nuts and 1 bolt.
Torque: 80 N·m (816 kgf·cm, 59 ft·lbf)



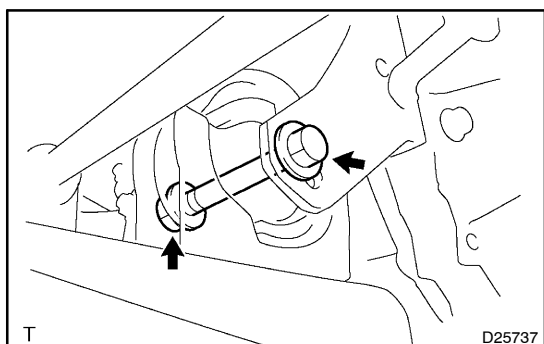
41. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING BRACKET

- (a) Install the engine mounting bracket LH to the transaxle with the 3 bolts.
Torque: 64 N·m (653 kgf·cm, 47 ft·lbf)



42. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR

- (a) Install the engine mounting insulator LH with the 5 bolts and 1 nut.
Torque:
Bolt A: 52 N·m (530 kgf·cm, 38 ft·lbf)
Nut B: 56 N·m (571 kgf·cm, 41 ft·lbf)



43. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR

- (a) Install the bolt and nut to the engine mounting bracket FR.
Torque: 56 N·m (571 kgf·cm, 41 ft·lbf)

44. INSTALL EXHAUST PIPE ASSY FRONT

(See page 15-1)

45. INSTALL FRONT DRIVE SHAFT ASSY LH

(See page 30-7)

46. INSTALL FRONT DRIVE SHAFT ASSY RH

(See page 30-7)

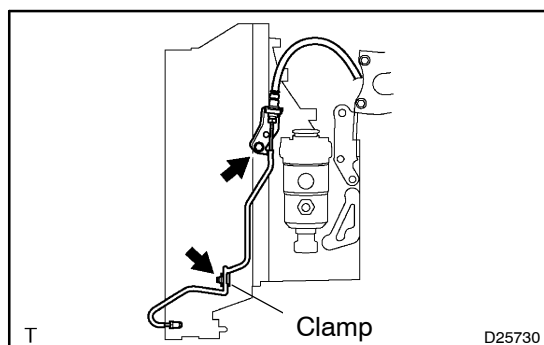
47. INSTALL MANUAL TRANSMISSION CASE PROTECTOR

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

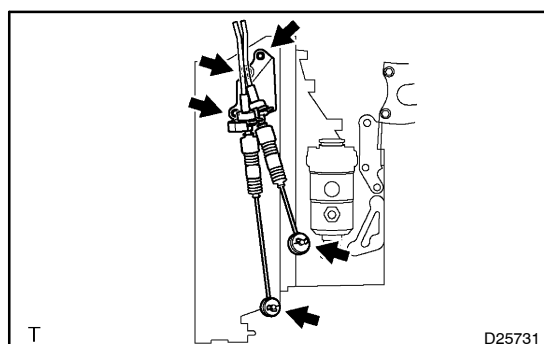
Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)

48. INSTALL STARTER ASSY

- (a) Connect the starter connector.
- (b) Install the starter assy to the transaxle with the 2 bolts.
Torque: 37 N·m (378 kgf·cm, 27 ft·lbf)
- (c) Install the wire to starter assy with the nut.
Torque: 9.8 N·m (100 kgf·cm, 87 in·lbf)

**49. INSTALL ACCUMULATOR TO FLEXIBLE HOSE TUBE**

- (a) Install the flexible hose tube with the bolt.
Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)
- (b) Connect the clamp.

**50. INSTALL FLOOR SHIFT TRANSMISSION CONTROL CABLE ASSY**

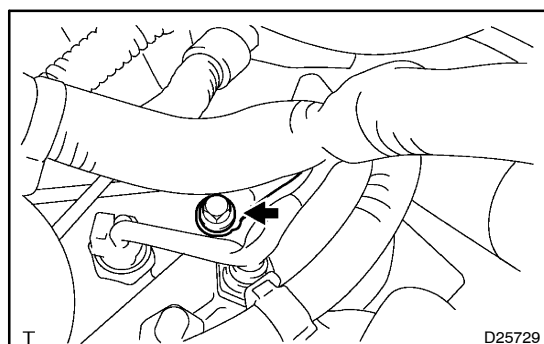
- (a) Install the control cable assy with the 3 bolts.
Torque: 17 N·m (173 kgf·cm, 13 ft·lbf)
- (b) Connect the cable end, and install the 2 washers and 2 clips.

51. INSTALL CLUTCH RELEASE CYLINDER ASSY

(See page 42-17)

52. CONNECT CONNECTOR

- (a) Connect the back-up lamp switch connector.

**53. CONNECT WIRE HARNESS**

- (a) Install the wire harnesses with the bolt.
Torque: 10 N·m (102 kgf·cm, 7 ft·lbf)

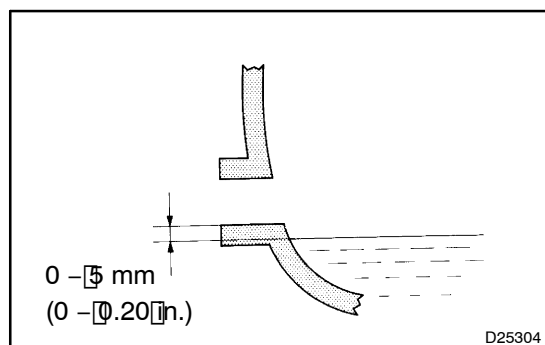
54. INSTALL AIR TUBE NO.1**55. INSTALL INTERCOOLER AIR HOSE**

56. INSTALL AIR HOSE NO.4

57. INSTALL AIR HOSE NO.2

58. INSTALL AIR TUBE NO.2

59. INSTALL AIR CLEANER ASSY



60. ADD TRANSAXLE OIL

Oil grade: API GL-4 or GL-5

Viscosity: SAE 75W-90

Capacity: 2.5 liters (2.6 US qts, 2.2 Imp. qts)

Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)

61. INSPECT TRANSAXLE OIL (See page 41-2)

62. INSTALL FRONT WHEEL

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

63. INSTALL COWL TOP PANEL SUB-ASSY OUTER
(See page 26-7)

64. INSTALL WIPER LINK ASSY
(See page 66-9)

65. INSTALL HOOD SUB-ASSY

Torque: 13 N·m (132 kgf·cm, 10 ft·lbf)

66. INSPECT HOOD SUB-ASSY
(See page 75-1)

67. ADJUST HOOD SUB-ASSY
(See page 75-1)

68. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT (See page 26-4)

69. CHECK ABS SPEED SENSOR SIGNAL (See page 05-295)