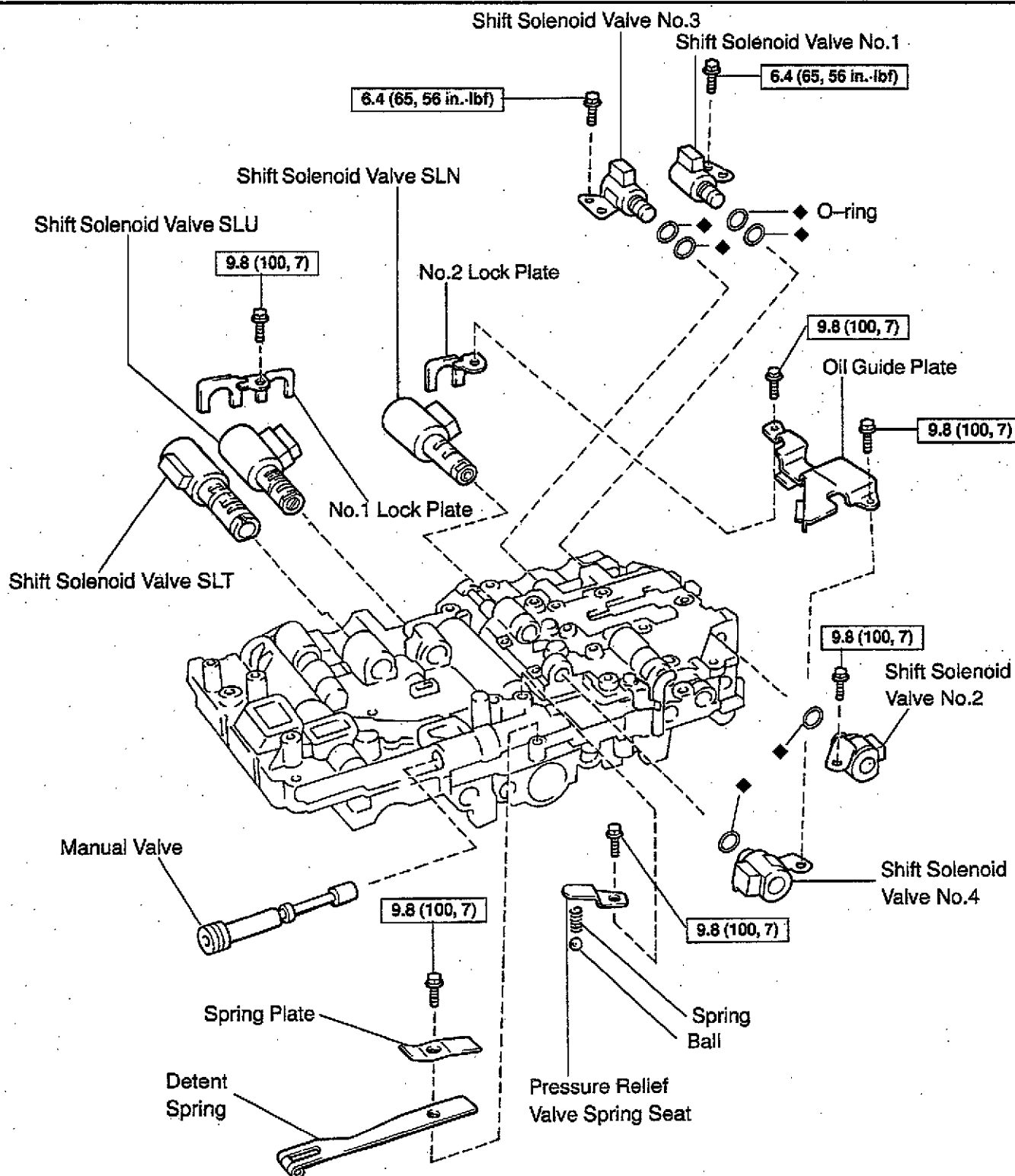


VALVE BODY COMPONENTS

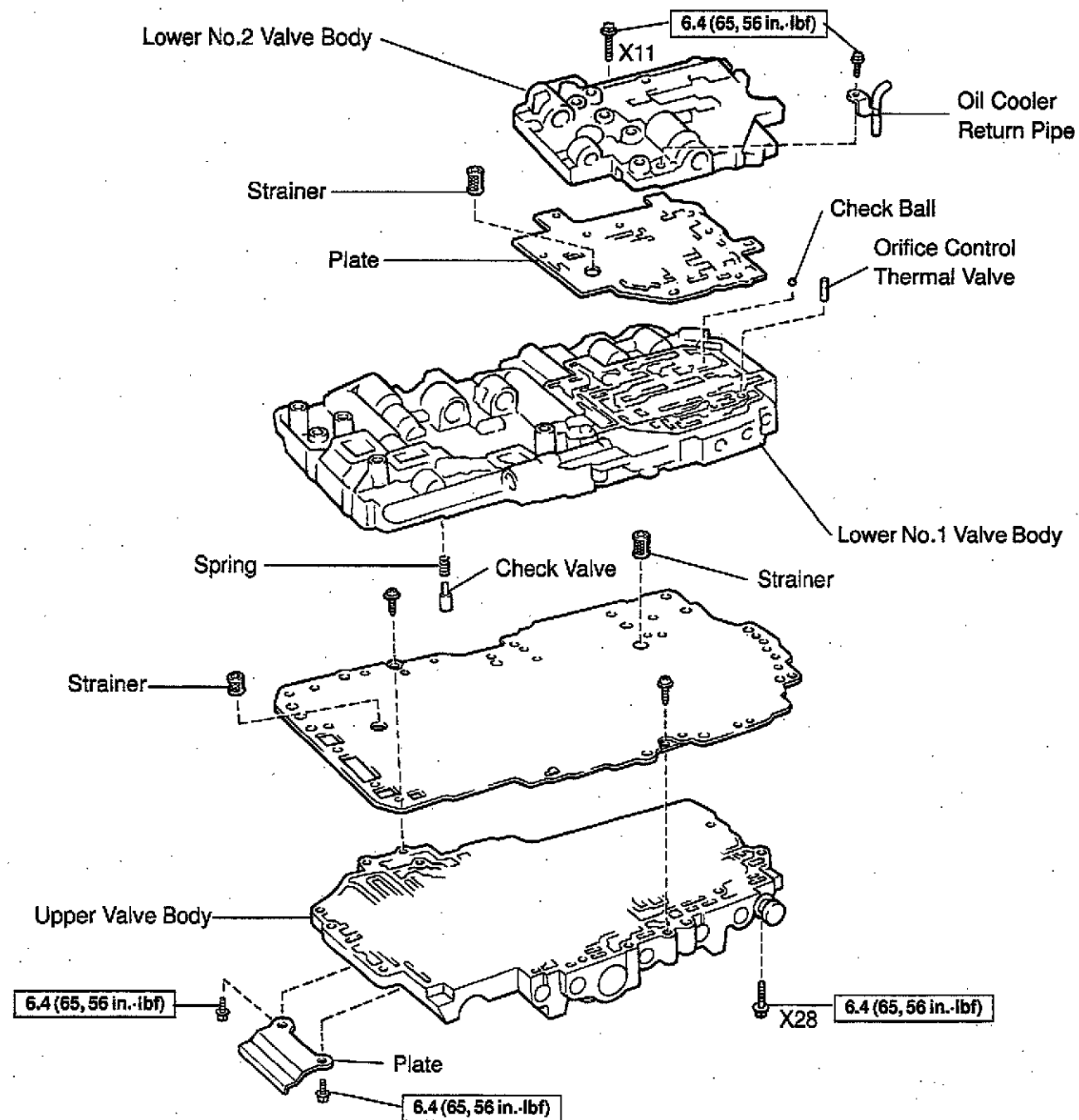
AT05H-01



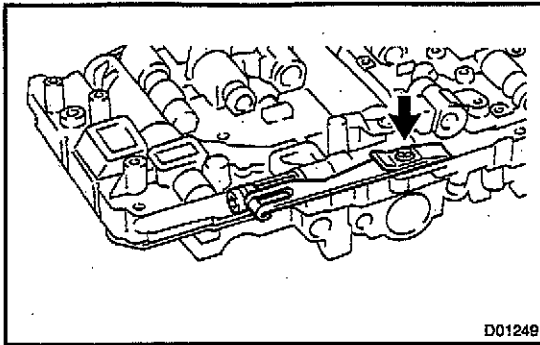
N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

D01250



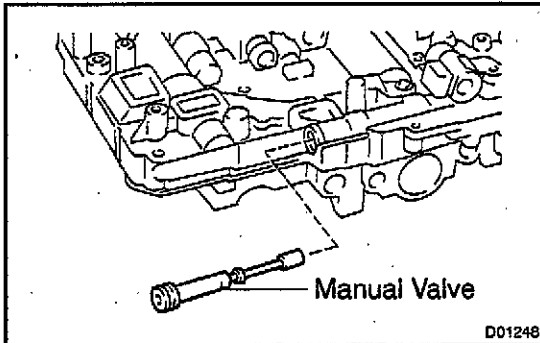
N·m (kgf·cm, ft·lbf) : Specified torque



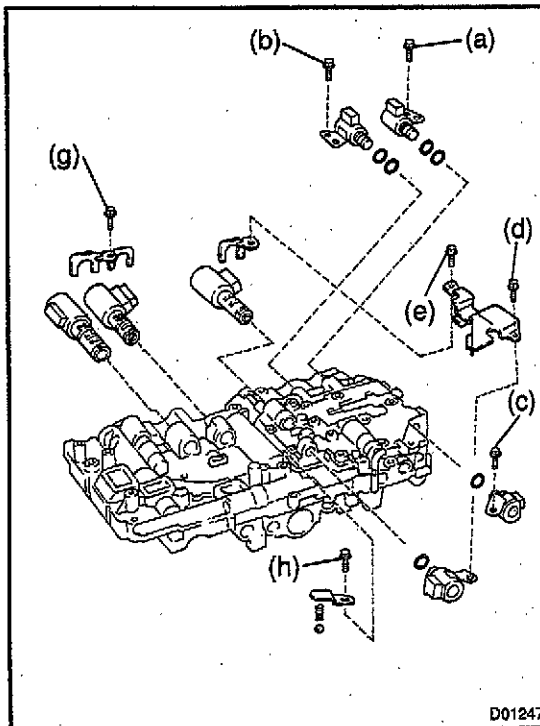
DISASSEMBLY

1. REMOVE DETENT SPRING AND SPRING PLATE

Remove the bolt, detent spring and spring plate.

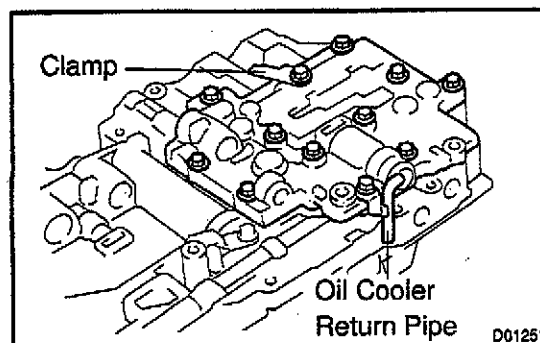


2. REMOVE MANUAL VALVE



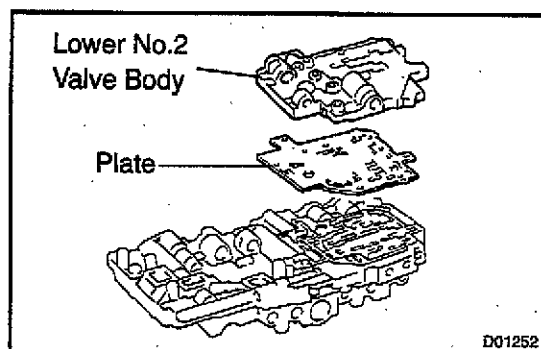
3. REMOVE 7 SOLENOIDS

- (a) Remove the bolt and shift solenoid valve No.1.
- (b) Remove the bolt and shift solenoid valve No.3.
- (c) Remove the bolt and shift solenoid valve No.2.
- (d) Remove the bolt and shift solenoid valve No.4.
- (e) Remove the bolt, No.2 lock plate and shift solenoid valve SLN.
- (f) Remove the oil guide plate.
- (g) Remove the bolt, No.1 lock plate and shift solenoid valve SLU, SLT.
- (h) Remove the bolt, pressure relief valve spring seat, spring and ball.
- (i) Remove the 6 O-rings from shift solenoid valve No.1, No.2, No.3 and No.4.

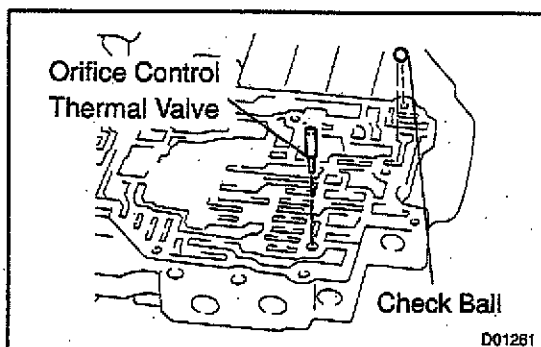


4. REMOVE LOWER NO.2 VALVE BODY

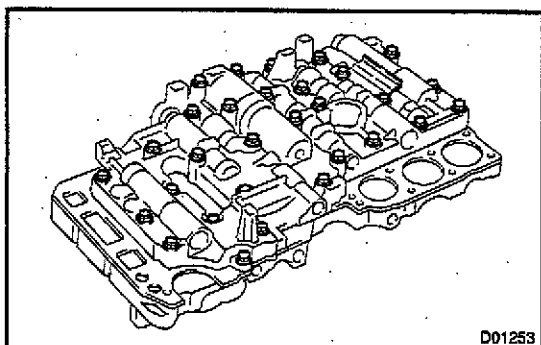
- (a) Remove the 12 bolts. 2 of them are attached to the oil cooler return pipe and clamp. So remove them all together.



- (b) Remove the lower No.2 valve body.
- (c) Remove the plate.
- (d) Remove the strainer.

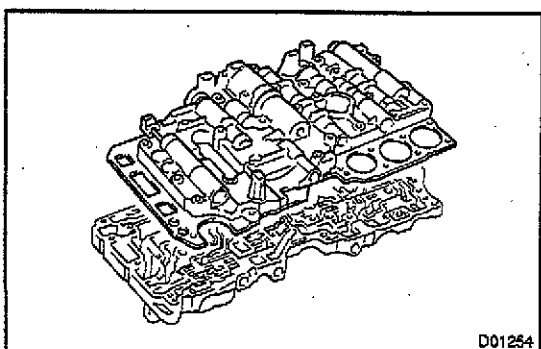


- (e) Remove the orifice control thermal valve and check ball.

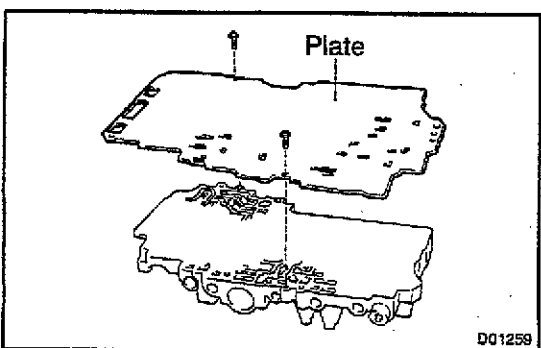


5. REMOVE UPPER VALVE BODY

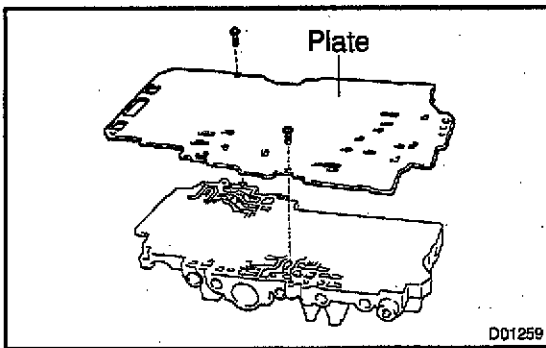
- (a) Turn over assembly and remove the 30 bolts.
- (b) Remove the plate from the upper valve body.



- (c) Remove the upper valve body with the plate.
- (d) Remove the check valve and spring.



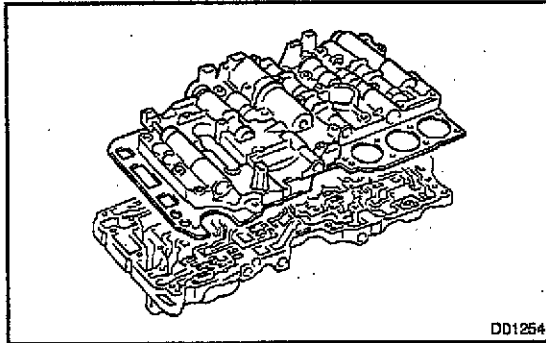
- (e) Turn over upper valve body, remove the 2 screws and plate.
- (f) Remove the 2 strainers.



REASSEMBLY

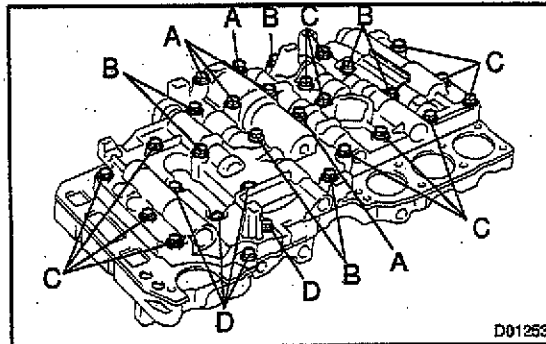
1. INSTALL PLATE ON UPPER VALVE BODY

- (a) Align the plate with each bolt hole and install the 2 screws.
- (b) Install the 2 strainers.



2. PLACE UPPER VALVE BODY WITH PLATE ON TOP OF NO.1 LOWER VALVE BODY

- (a) Install the spring and check valve.
- (b) Align the plate in the valve body with each bolt hole.



3. INSTALL UPPER VALVE BODY TO NO.1 LOWER VALVE BODY WITH 30 BOLTS

Install the plate from the upper valve body.

Torque: 6.4 N·m (65 kgf·cm, 56 in.-lbf)

HINT:

Each bolts length is indicated below.

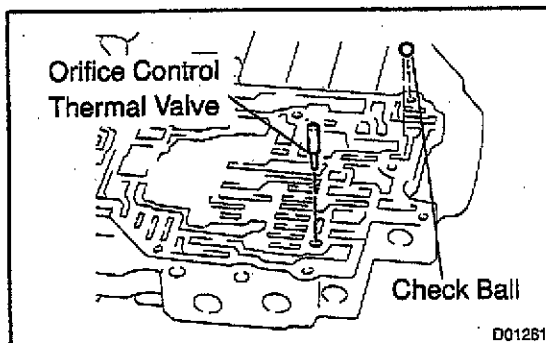
Bolt length:

Bolt A: 40 mm (1.575 in.)

Bolt B: 35 mm (1.378 in.)

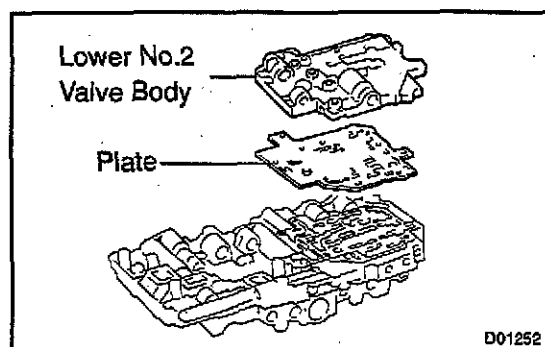
Bolt C: 28 mm (1.102 in.)

Bolt D: 20 mm (0.787 in.)

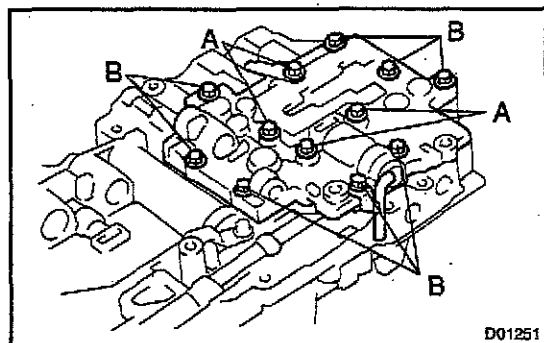


4. INSTALL THE LOWER NO.2 VALVE BODY AND PLATE TO LOWER NO.1 VALVE BODY

- (a) Install the check ball and orifice control thermal valve.
- (b) Install the strainer.



- (c) Align the holes of lower No.2 valve body with those of plate and place them on the lower No.1 valve body with aligning all the holes.



- (d) Install the 12 bolts. 2 of them are attached to the oil cooler pipe and clamp. So install them all together.

Torque: 6.4 N·m (65 kgf·cm, 56 in.-lbf)

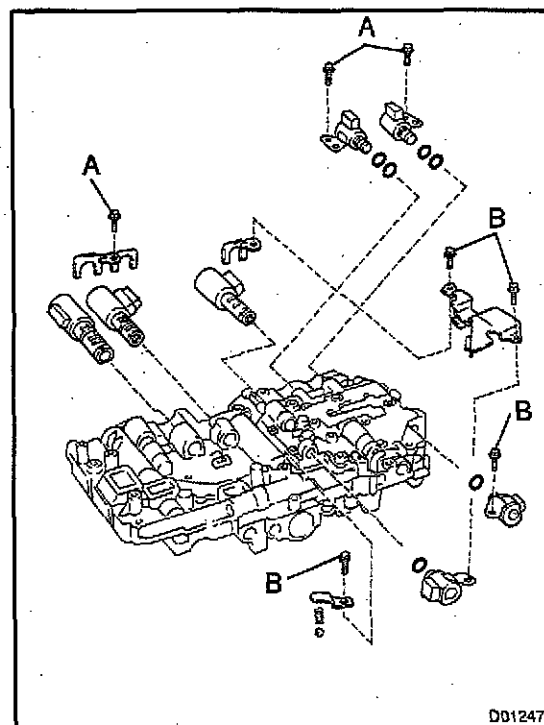
HINT:

Each bolts length is indicated below.

Bolt length:

Bolt A: 28 mm (1.102 in.)

Bolt B: 20 mm (0.787 in.)



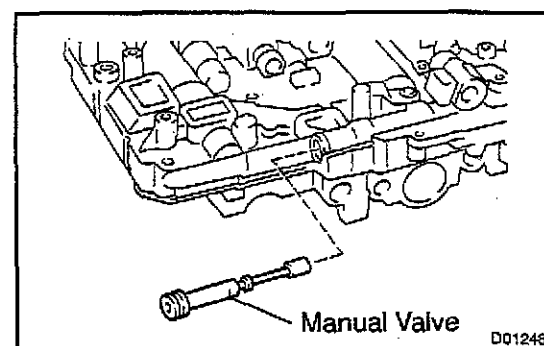
5. INSTALL 7 SOLENOIDS

- Coat 6 new O-rings with ATF and install them on the shift solenoid No.1, No.2, No.3 and No.4.
- Install the shift solenoid valve No.1 and the bolt.
- Install the shift solenoid valve No.3 with the bolt.
- Install the shift solenoid valve No.2 with the bolt.
- Install the shift solenoid valve No.4.
- Install the shift solenoid valve SLN, and No.1 solenoid lock plate.
- Install the oil guide plate with the 2 bolts.
- Install the shift solenoid valve SLU, SLT, and No.2 solenoid lock plate with the bolt.
- Install the ball, spring, pressure relief valve spring seat and bolt.

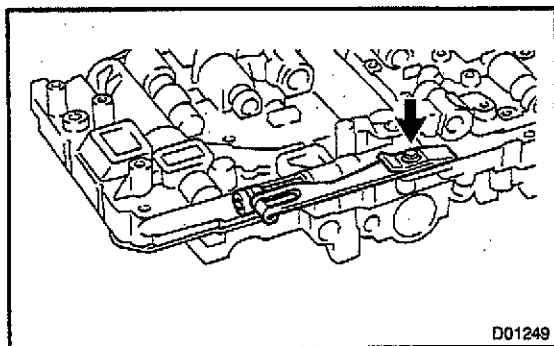
Torque:

Bolt A: 6.4 N·m (65 kgf·cm, 56 in.-lbf)

Bolt B: 9.8 N·m (100 kgf·cm, 7 ft.-lbf)



6. INSTALL MANUAL VALVE



7. **INSTALL DETENT SPRING AND SPRING PLATE**
Torque: 9.8 N·m (100 kgf·cm, 7 ft·lbf)
8. **MAKE SURE MANUAL VALVE MOVES SMOOTHLY**