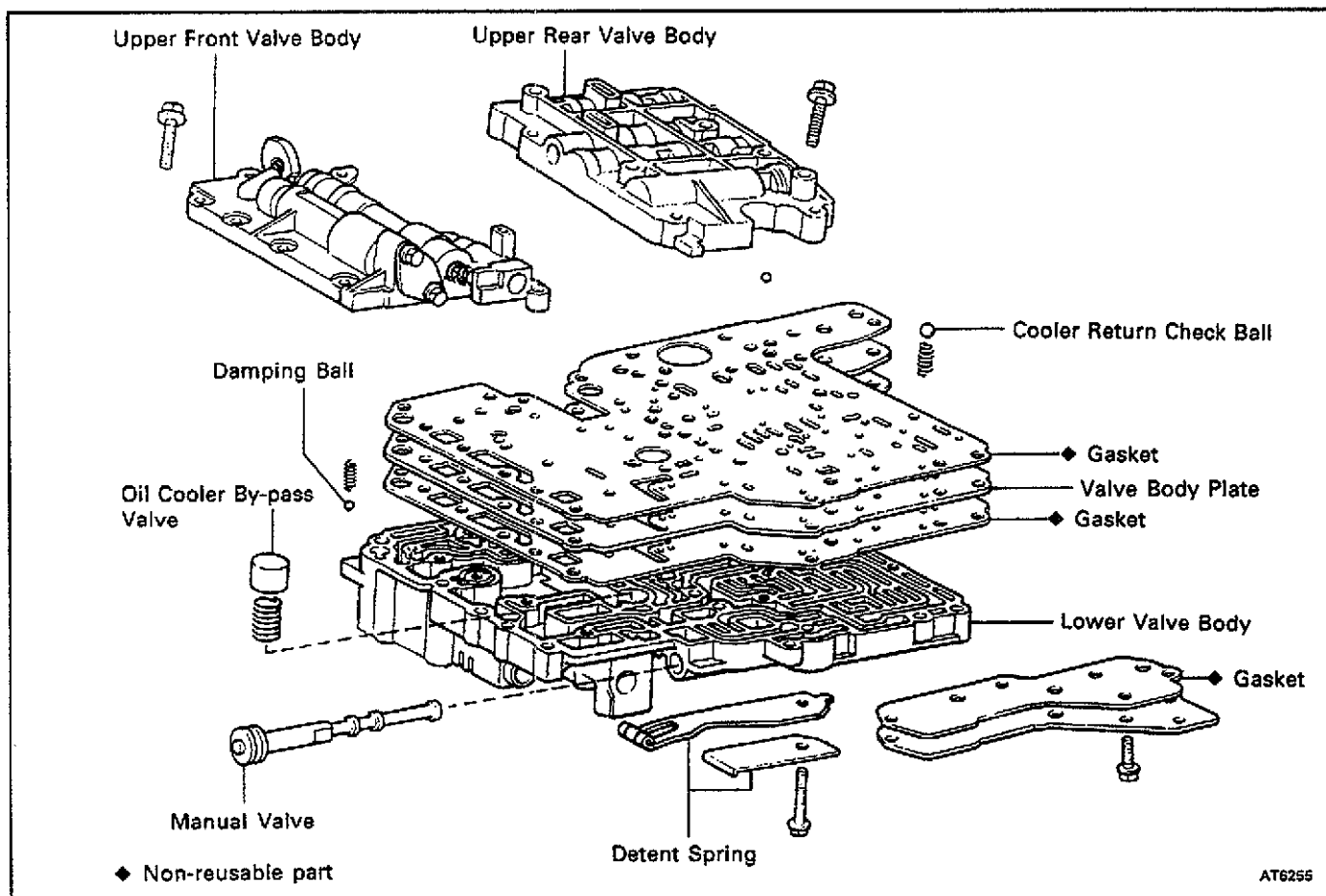


VALVE BODY COMPONENTS

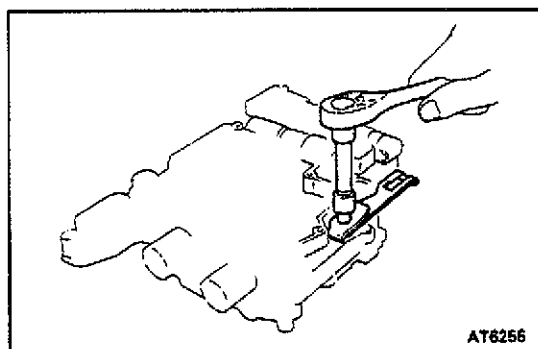
AT08N-04



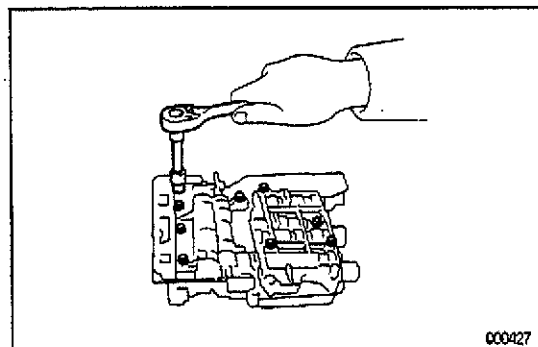
AT00Y-02

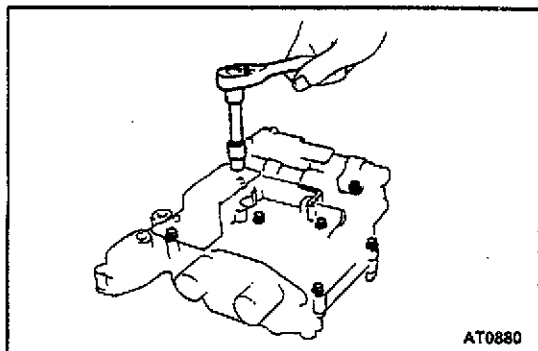
VALVE BODY DISASSEMBLY

1. REMOVE DETENT SPRING
2. REMOVE MANUAL VALVE

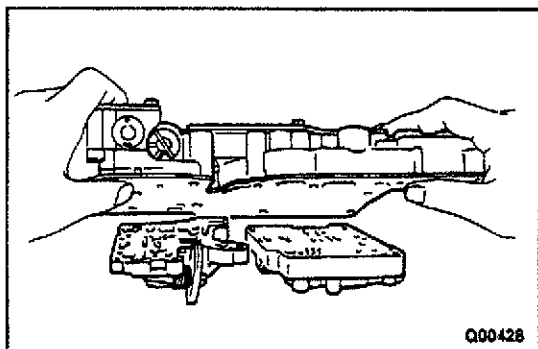


3. TURN ASSEMBLY OVER AND REMOVE NINE BOLTS FROM UPPER FRONT VALVE BODY AND UPPER REAR VALVE BODY





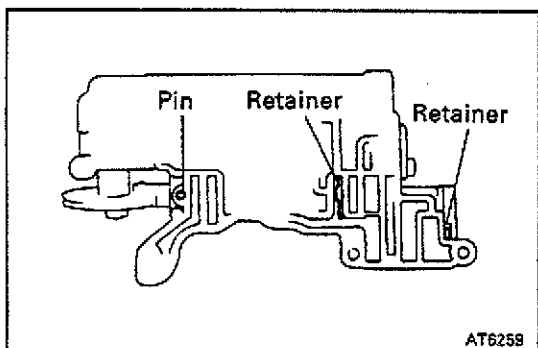
4. **TURN ASSEMBLY OVER AND REMOVE SET BOLTS FROM LOWER VALVE BODY**



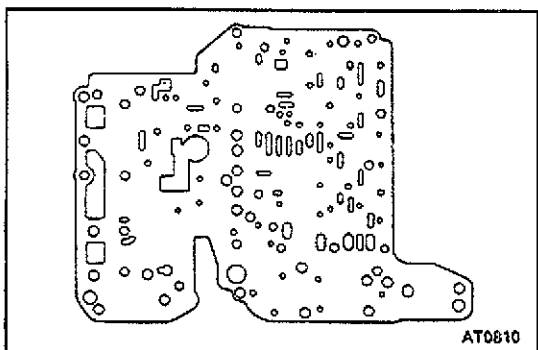
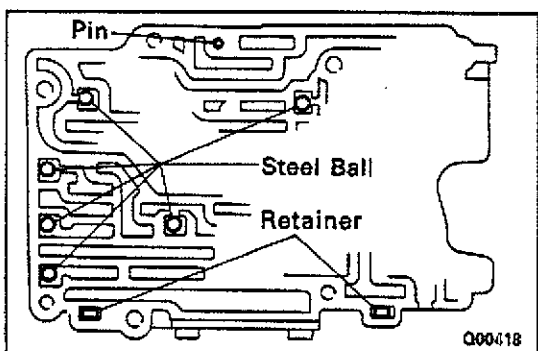
5. **LIFT OFF LOWER VALVE BODY AND PLATE AS SINGLE UNIT**

Hold valve body plate to lower valve body.

HINT: Be careful that the check valve and balls do not fall out.



6. **WATCH FOR STEEL BALLS, RETAINERS AND PINS IN VALVE BODY**

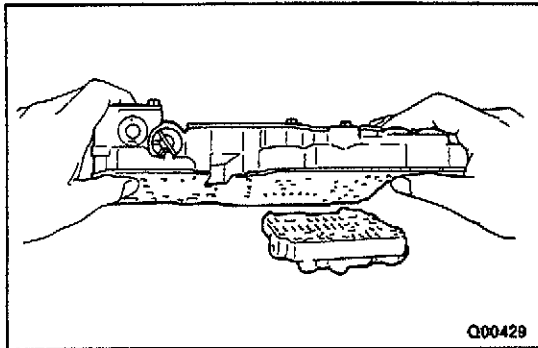


VALVE BODY ASSEMBLY

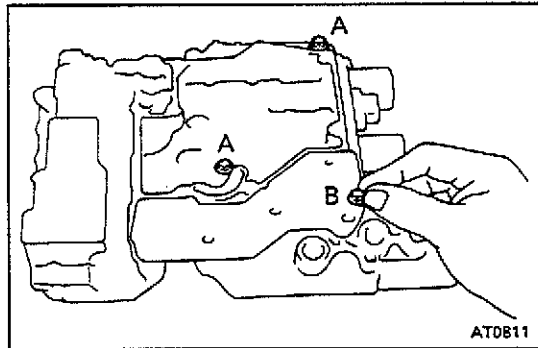
AT062-02

1. **POSITION NEW GASKET ON UPPER REAR VALVE BODY**

Align a new gasket at each bolt hole.



2. **PLACE LOWER VALVE BODY WITH PLATE AND GASKETS ON TOP OF UPPER REAR VALVE BODY**
Align each bolt hole in the valve body and gasket.

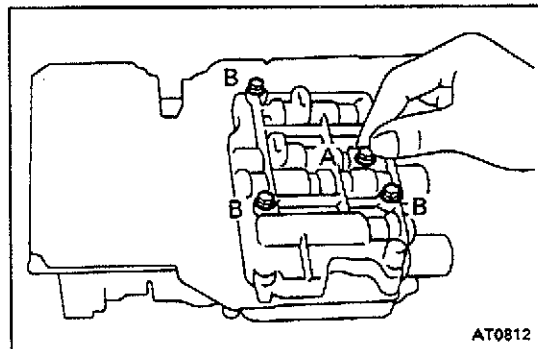


3. **INSTALL AND FINGER TIGHTEN 3 BOLTS IN LOWER VALVE BODY TO SECURE UPPER REAR VALVE BODY**

Bolt length:

Bolt A 28 mm (1.102 in.)

Bolt B 45 mm (1.772 in.)

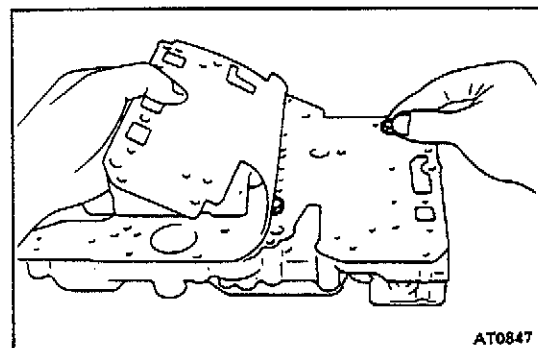


4. **TURN ASSEMBLY OVER, CHECK GASKET ALIGNMENT AND FINGER TIGHTEN 4 BOLTS IN UPPER VALVE BODY**

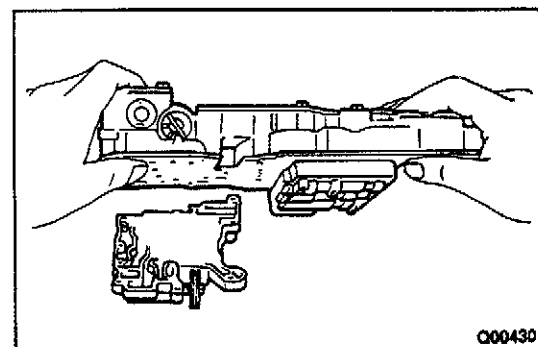
Bolt length:

Bolt A 28 mm (1.102 in.)

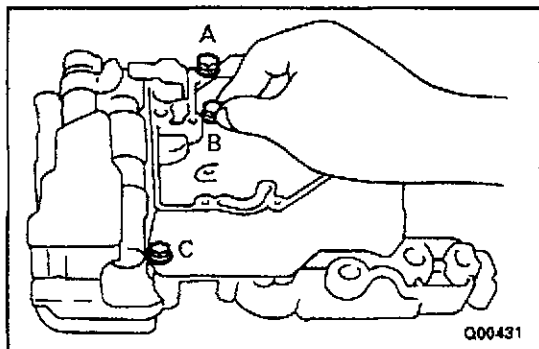
Bolt B 35 mm (1.378 in.)



5. **REMOVE TEMPORARY BOLTS FROM PLATE**



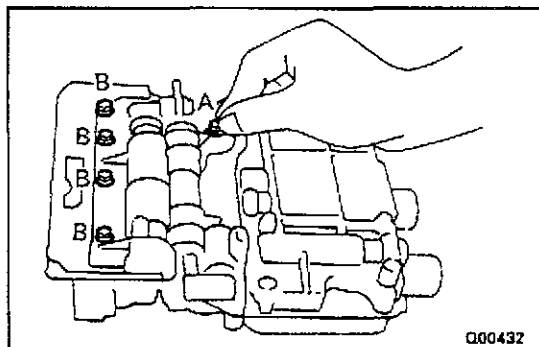
6. **PLACE LOWER AND UPPER REAR VALVE BODY ASSEMBLY ON TOP OF UPPER FRONT VALVE BODY**



- 7. INSTALL AND FINGER TIGHTEN SET BOLTS IN LOWER VALVE BODY TO SECURE UPPER FRONT VALVE BODY**

Bolt length:

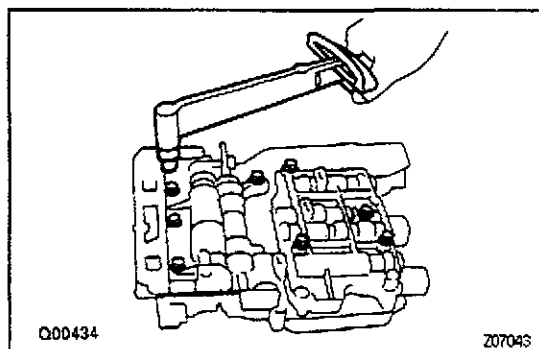
- Bolt A 20 mm (0.787 in.)**
- Bolt B 28 mm (1.102 in.)**
- Bolt C 45 mm (1.772 in.)**



- 8. TURN ASSEMBLY OVER AND FINGER TIGHTEN 5 BOLTS IN UPPER FRONT VALVE BODY**

Bolt length:

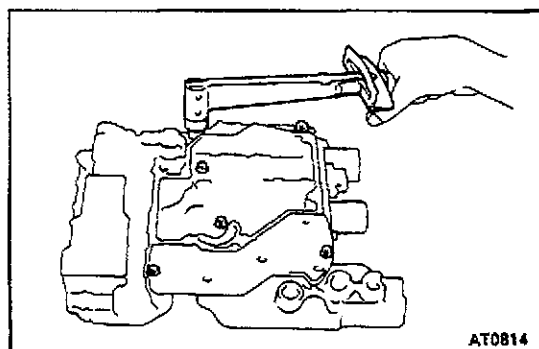
- Bolt A 20 mm (0.787 in.)**
- Bolt B 18 mm (0.709 in.)**



- 9. TIGHTEN BOLTS IN UPPER FRONT AND REAR VALVE BODIES**

Recheck the alignment of the gasket. Tighten the bolts.

Torque: 5.4 N·m (55 kgf·cm, 48 in.-lbf)



- 10. TURN ASSEMBLY OVER AND TIGHTEN BOLTS IN LOWER VALVE BODY**

Tighten the bolts.

Torque: 5.4 N·m (55 kgf·cm, 48 in.-lbf)

- 11. INSTALL MANUAL VALVE INTO LOWER VALVE BODY**