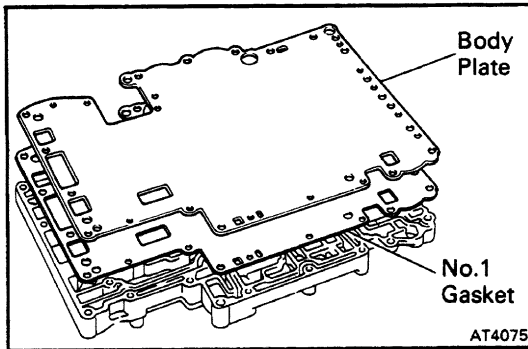
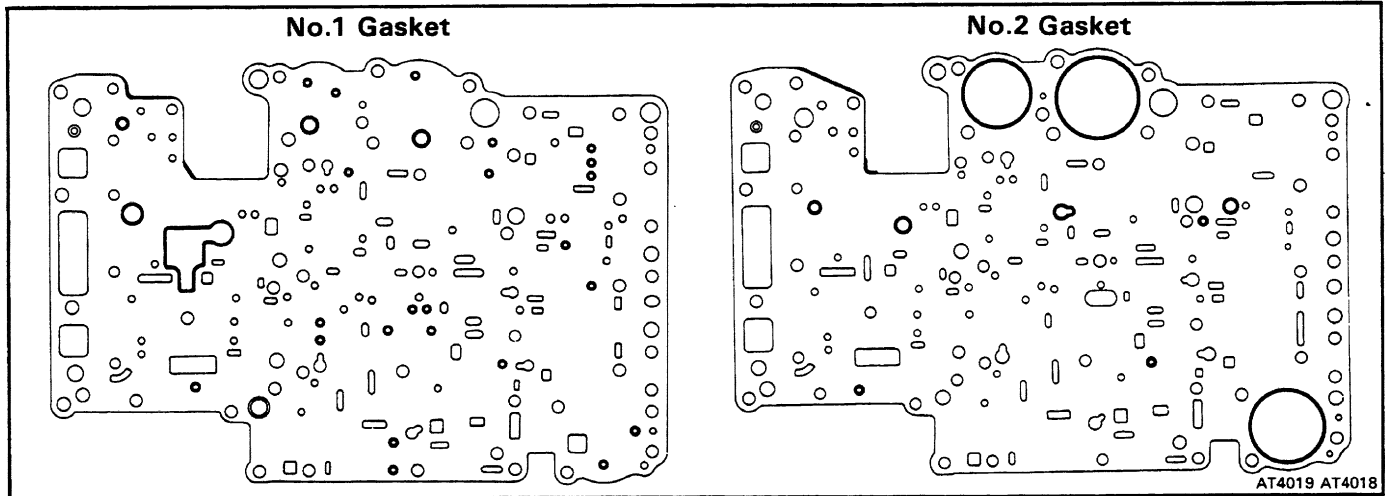


(Assembly of Valve Body)

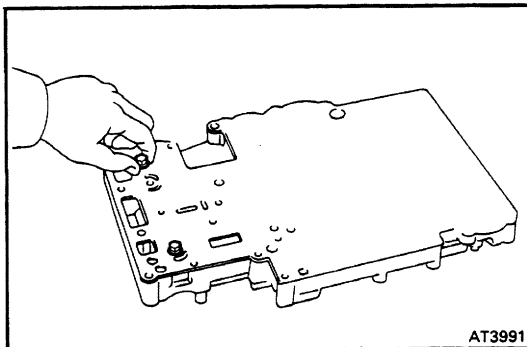
(See page [AT-91](#))

1. INSTALL VALVE BODY PLATE

HINT: Since No.1 and No.2 gaskets look similar, use the illustrations below to differentiate them.

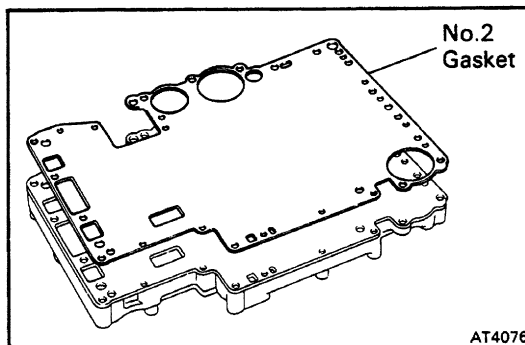


- (a) Place a new No.1 gasket and the body plate on the lower valve body.

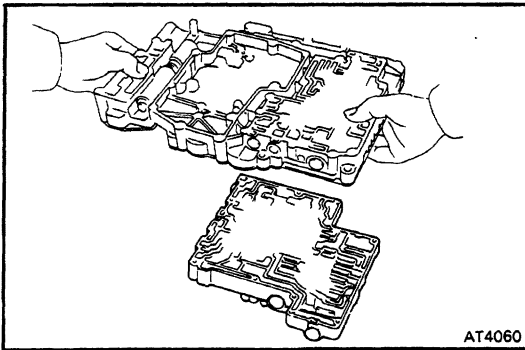


- (b) Temporarily secure the body plate with the two bolts.

HINT: Use the two bolts for the oil tube clamp.

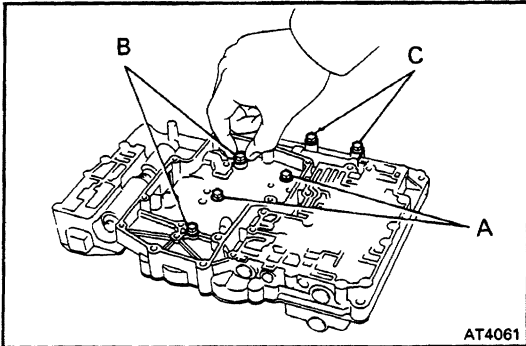


- (c) Place a new No.2 gasket on the body plate.



2. INSTALL REAR UPPER VALVE BODY

- (a) Place the lower valve body on the rear upper valve body.



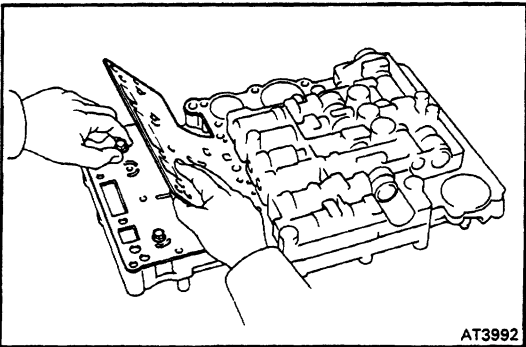
- (b) Temporarily install the six wave washers and bolts.

HINT: Each bolt length (mm (in.)) is indicated in the figure.

Bolt length: A 29.5 mm (1.161 in.)

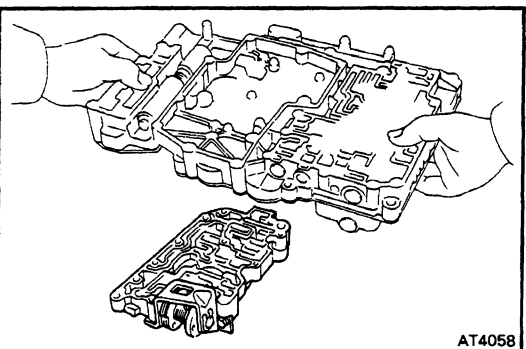
B 35 mm (1.38 in.)

C 44 mm (1.73 in.)

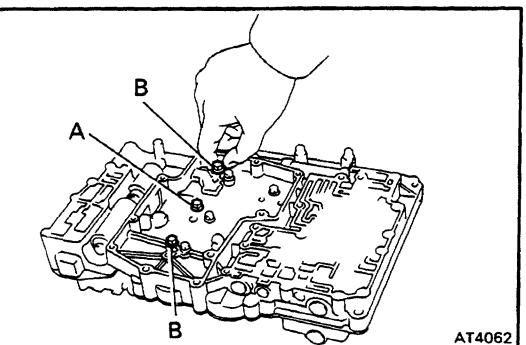


3. INSTALL FRONT UPPER VALVE BODY

- (a) Remove the two temporary installed bolts.



- (b) Place the lower valve body on the front upper valve body.

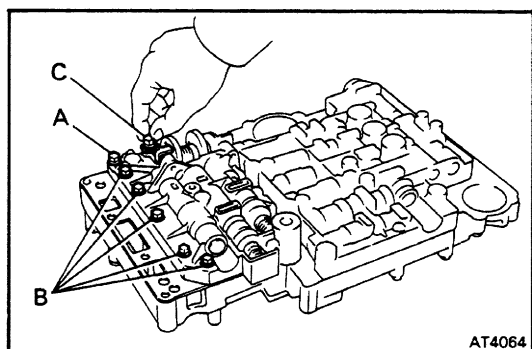


- (c) Temporarily install the three wave washers and bolts.

HINT: Each bolt length (mm (in.)) is indicated in the figure.

Bolt length: A 29.5 mm (1.161 in.)

B 35 mm (1.38 in.)



(d) Turn over the valve body assembly.

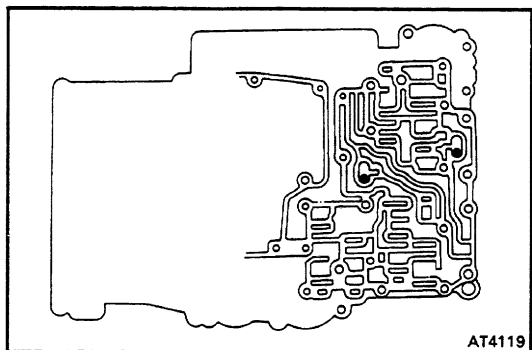
(e) Temporarily install the seven wave washers and bolts.

HINT: Each bolt length (mm (in.)) is indicated in the figure.

Bolt length: A 25 mm (0.98 in.)

B 29.5 mm (1.161 in.)

C 39 mm (1.54 in.)



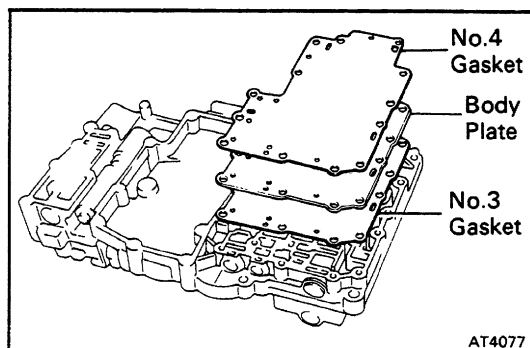
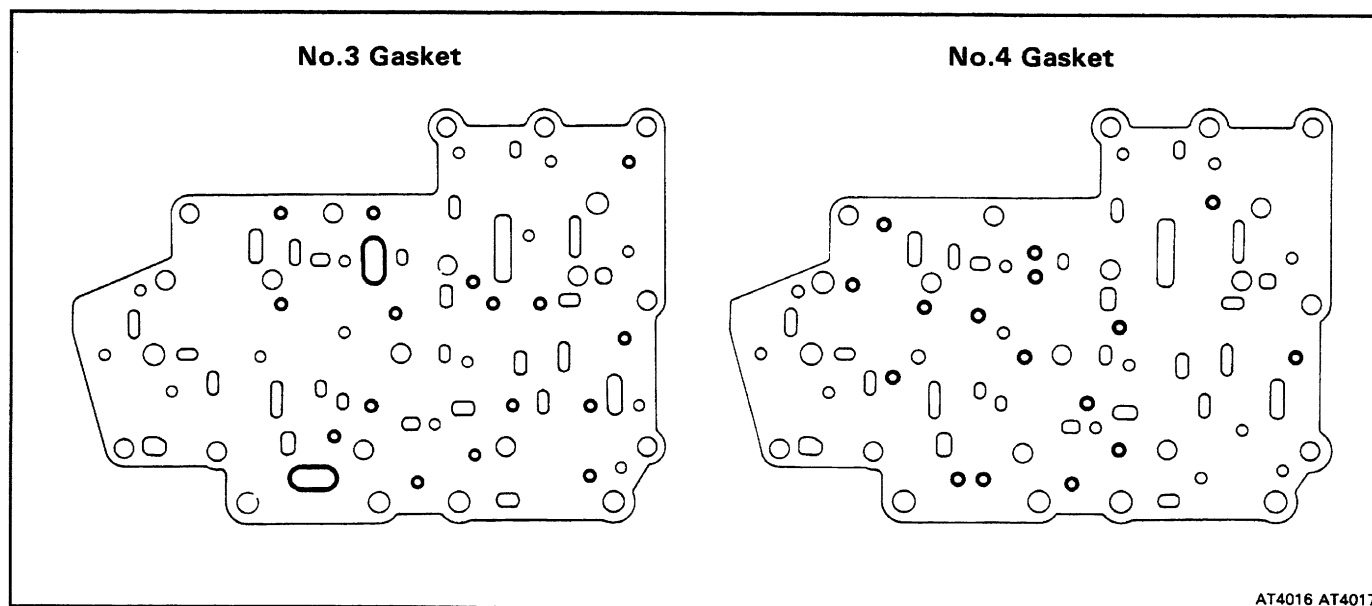
4. INSTALL CHECK BALLS

(a) Turn over the valve body assembly.

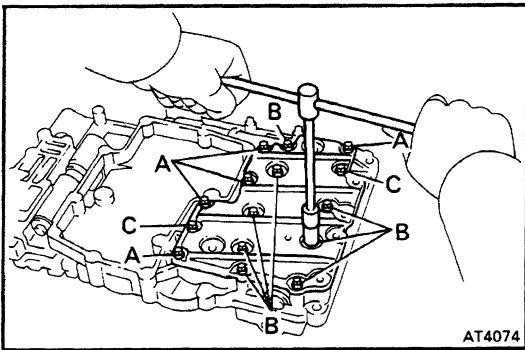
(b) Install the two check balls into the lower valve body.

5. INSTALL LOWER VALVE BODY PLATE AND COVER

HINT: Since No.3 and No.4 gaskets look similar, use the illustrations below to differentiate them.



(a) Place a new No.3 gasket, the body plate and a new No.4 gasket on the lower valve body.



(b) Install the body cover with the fifteen wave washers and bolts.

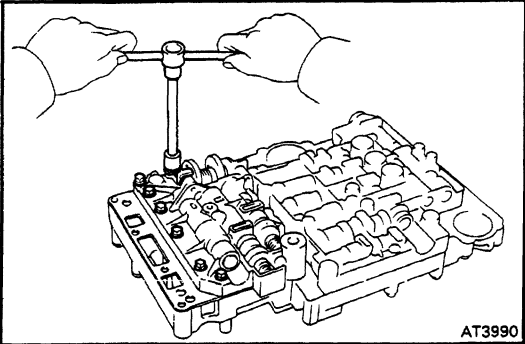
Torque: . 55 kg-cm (48 in.-lb, 5.4 N-m) .

HINT: Each bolt length (mm (in.)) is indicated in the figure.

Bolt length: A 18 mm (0.71 in.)

B 56 mm (2.20 in.)

C 60 mm (2.36 in.)

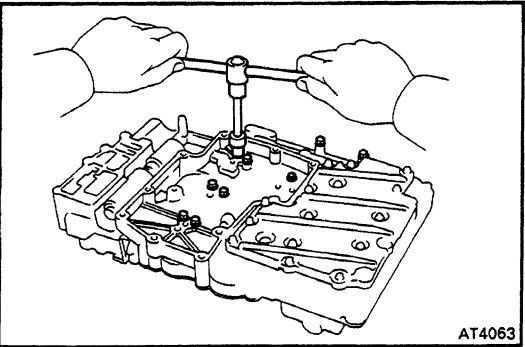


6. TIGHTEN BOLTS OF UPPER AND LOWER VALVE BODIES

(a) (Upper Side)

Tighten the seven bolts.

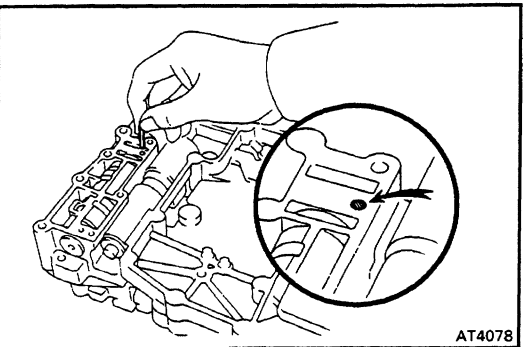
Torque: 55 kg-cm (48 in.-lb, 5.4 N-m)



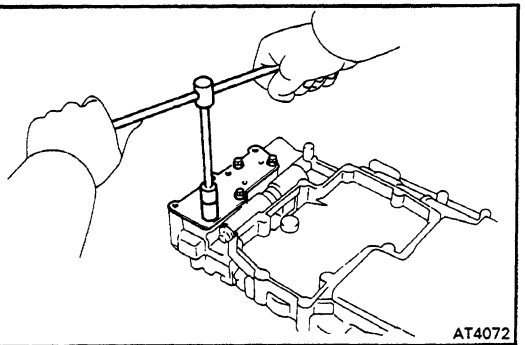
(b) (Lower Side)

Tighten the nine bolts.

Torque: 55 kg-cm (48 in.-lb, 5.4 N-m)



7. INSTALL LOCK-UP RELAY VALVE SLEEVE PIN

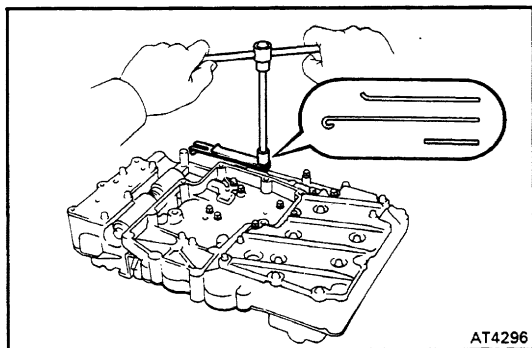


8. TEMPORARILY INSTALL LOCK-UP RELAY VALVE BODY PLATE

Install the body plate with the four bolts.

HINT:

- Use the bolt which is 12 mm (0.47 in.) in length.
- Fully install the body plate when the valve body is installed in the transmission case.



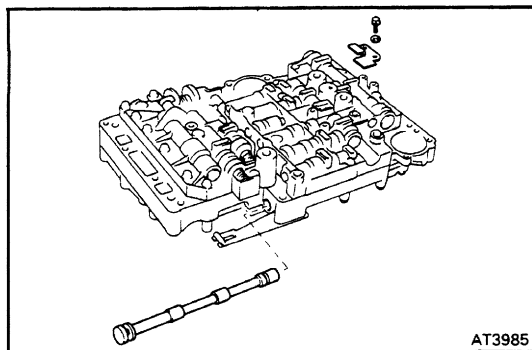
AT4296

9. INSTALL MANUAL DETENT SPRING

Install the spacer, detent spring and cover with the wave washer and bolt.

Torque: 55 kg-cm (48 in.-lb, 5.4 N-m)

HINT: Use the bolt which is 43 mm (1.69 in.) in length.



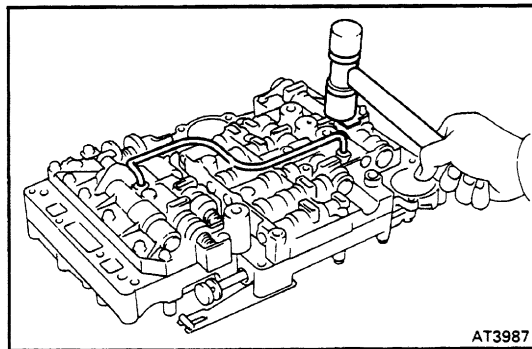
AT3985

10. INSTALL MANUAL VALVE

11. INSTALL CLAMP

Install the clamp with the two bolts and wave washers.

HINT: Use the bolt which is 12 mm (0.47 in.) in length.

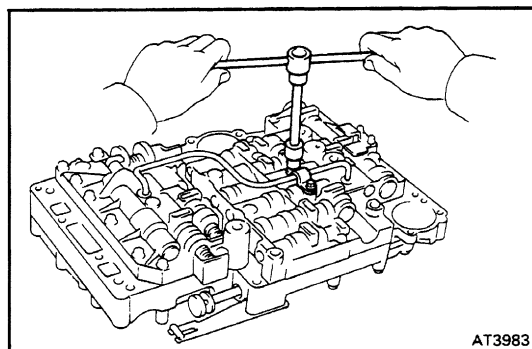


AT3987

12. INSTALL OIL TUBE

(a) Using a plastic-faced hammer, tap in the oil tube.

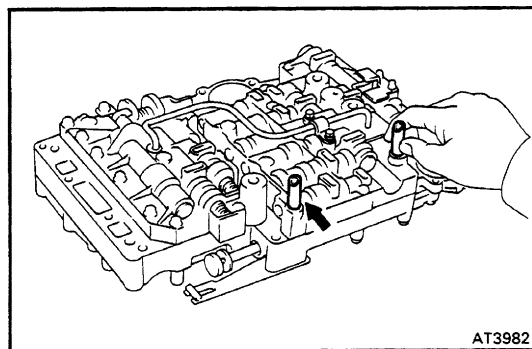
NOTICE: Be careful not to bend or damage the tube.



AT3983

(b) Install the tube clamp with the two wave washers and bolts.

HINT: Use the bolt which is 12 mm (0.47 in.) in length.



AT3982

13. INSTALL LINE PRESSURE TUBES

Install the two pressure tubes.