

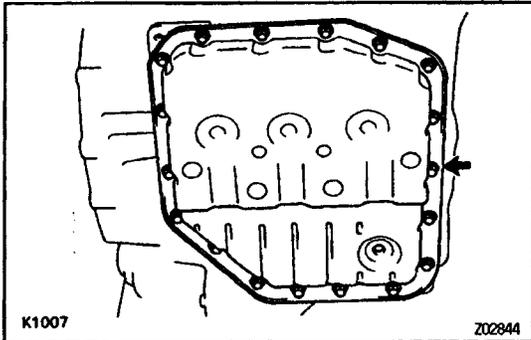
VALVE BODY

AX677-01

VALVE BODY REMOVAL

1. CLEAN TRANSAXLE EXTERIOR

To help prevent contamination, clean the exterior of the transaxle.

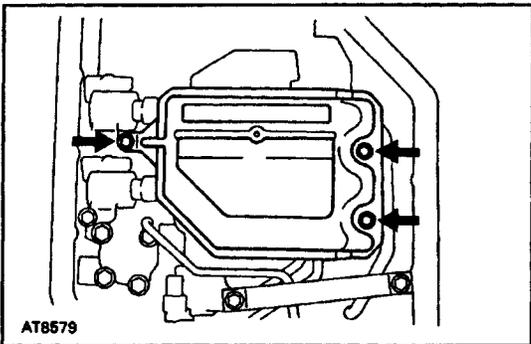


2. DRAIN TRANSAXLE FLUID

Remove the drain plug, gasket and drain the fluid into a suitable container.

3. REMOVE OIL PAN AND GASKET

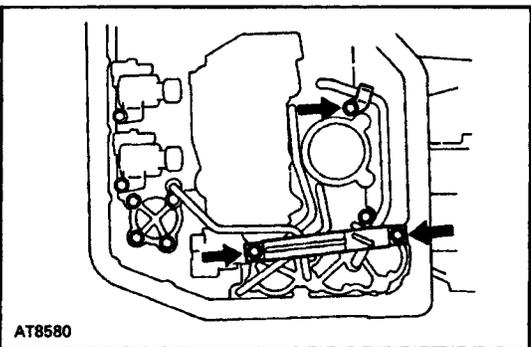
NOTICE: Some fluid will remain in the oil pan. Remove all pan bolts, and carefully remove the oil pan assembly. Discard the gasket.



4. REMOVE OIL STRAINER

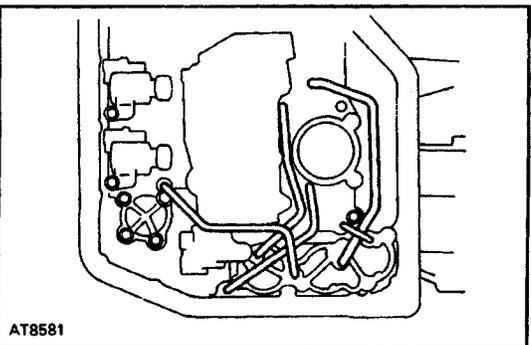
NOTICE: Be careful as some fluid will come out with the oil strainer.

Remove the three bolts, oil strainer and gasket.



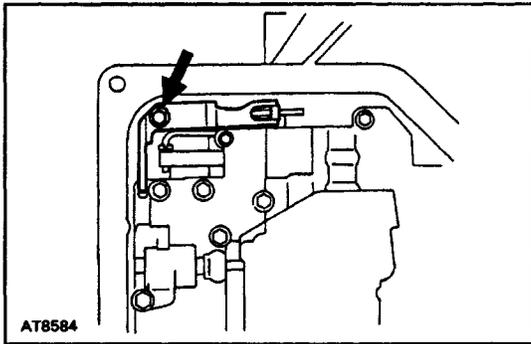
5. REMOVE APPLY OIL TUBE BRACKET AND OIL TUBE CLAMP

- (a) Remove two bolts and apply tube bracket.
- (b) Remove the bolt and oil tube clamp.

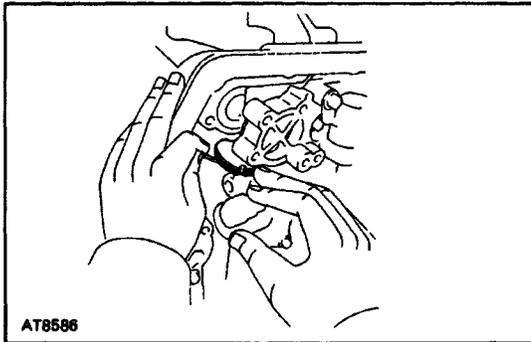


8. REMOVE OIL TUBES

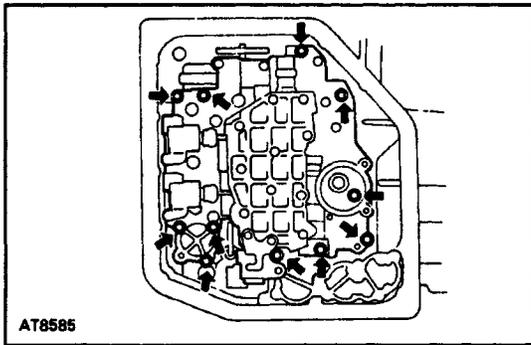
Pry up the both tube ends with a large screwdriver and remove the five tubes.



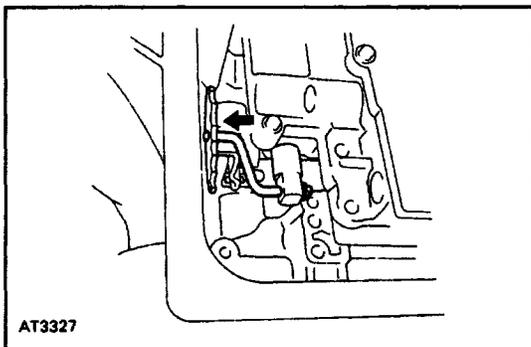
- 7. REMOVE MANUAL DETENT SPRING
- 8. DISCONNECT SOLENOID CONNECTOR



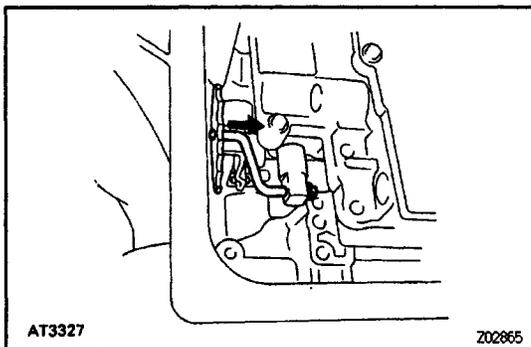
- 9. REMOVE VALVE BODY
 - (a) Disconnect the throttle cable.



- (b) Remove twelve bolts and wire retainer.

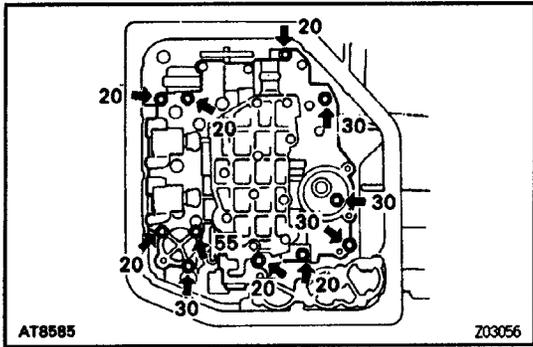


- (c) Disconnect the manual valve connecting rod.
- (d) Remove the valve body.

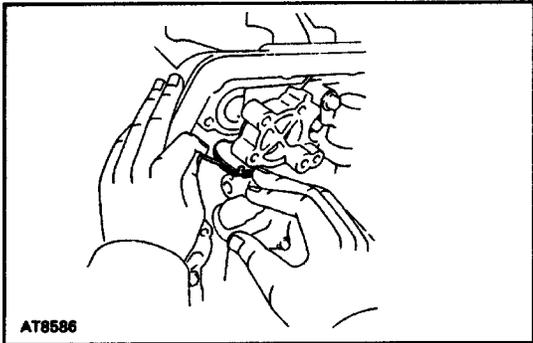


VALVE BODY INSTALLATION

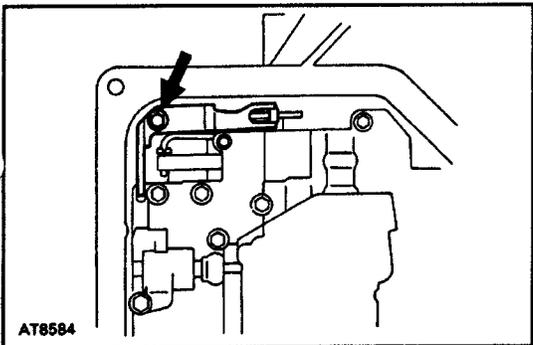
- 1. INSTALL VALVE BODY
 - (a) Connect the manual valve connecting rod.



- (b) Install the twelve bolts and wire retainer and hand tighten all bolts first. Then tighten them with a torque wrench.
HINT: Each bolt length (mm) is indicated in the figure.
Torque: 10 N-m (100 kgf-cm, 7 ft-lbf)



- (c) Connect the throttle cable to the cam.

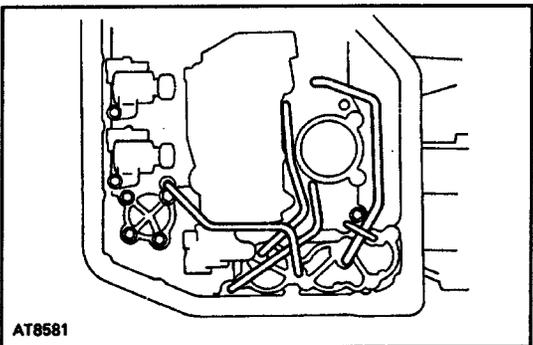


2. CONNECT SOLENOID CONNECTOR
3. INSTALL MANUAL DETENT SPRING

- (a) Install and tighten 16 mm length bolt with a torque wrench.

Torque: 10 N-m (100 kgf-cm, 7 ft-lbf)

- (b) Check that the manual valve lever is in contact with the center of the roller at the tip of the detent spring.



4. INSTALL OIL TUBES

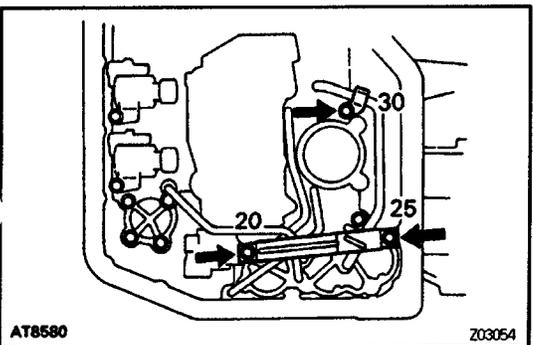
- (a) Tap the five tubes with a plastic hammer to install them into the positions indicated in the figure.

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

- (b) Install and torque the oil tube clamp.

Torque: 10 N-m (100 kgf-cm, 7 ft-lbf)

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

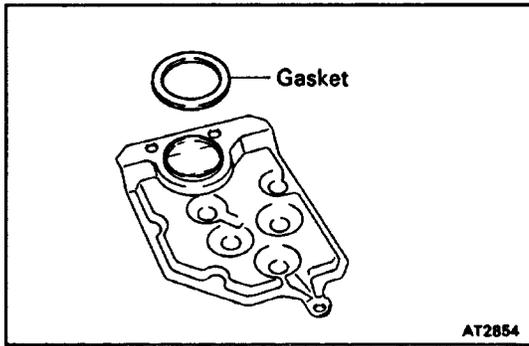


5. INSTALL OIL TUBE BRACKET AND OIL TUBE CLAMP

Install and torque the oil tube bracket.

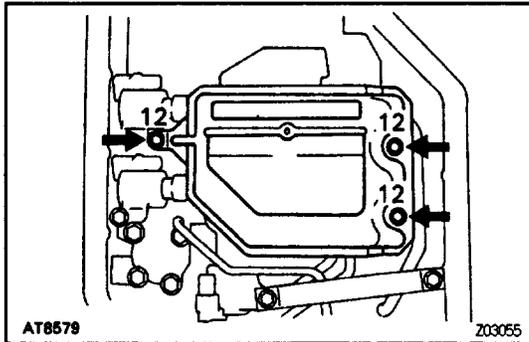
HINT: Each bolt length (mm) is indicated in the figure.

Torque: 10 N-m (100 kgf.cm, 7 ft-lbf)



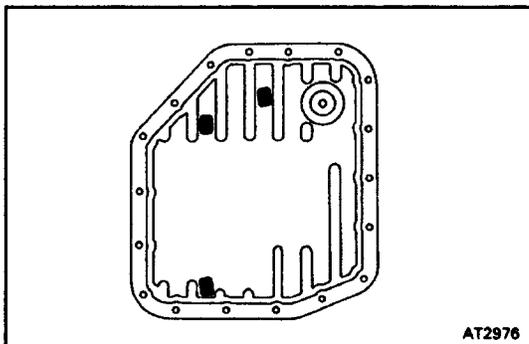
6. INSTALL OIL STRAINER

(a) Install a new gasket to the oil strainer.



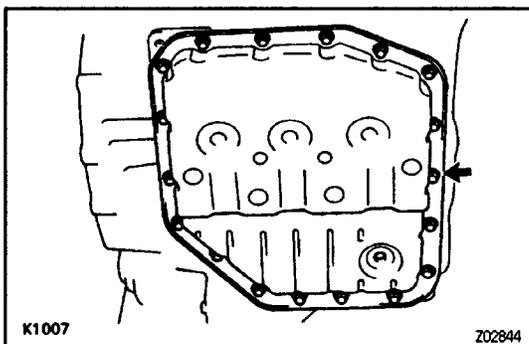
(b) Install the oil strainer and torque the three bolts.

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



7. INSTALL THREE MAGNETS IN OIL PAN

NOTICE: Make sure that the magnets do not interfere with the oil tubes.



8. INSTALL OIL PAN

(a) Install a new gasket to the oil pan and install the oil pan.

(b) Tighten the eighteen bolts.

Torque: 4.9 N-m (50 kgf-cm, 43 in.-lbf)

9. INSTALL OIL PAN DRAIN PLUG

Torque: 17 N-m (175 kgf-cm, 13 ft-lbf)

10. FILL TRANSAXLE WITH ATF

(See page [AX-14](#))

NOTICE: Do not overfill.

Fluid type:

ATF DEXRON®II

11. CHECK FLUID LEVEL