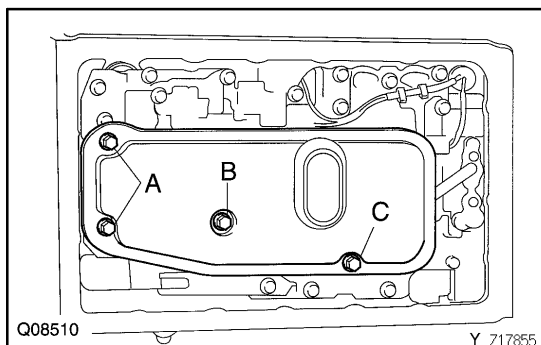
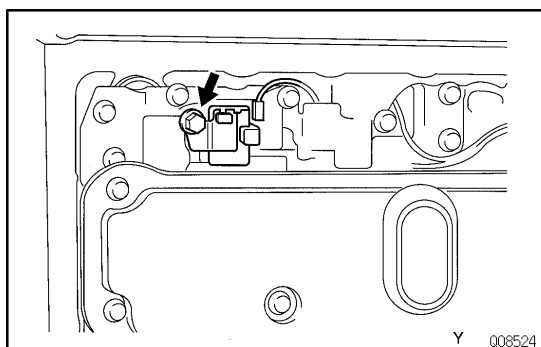
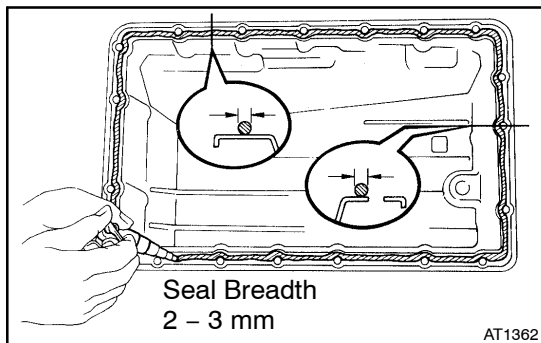
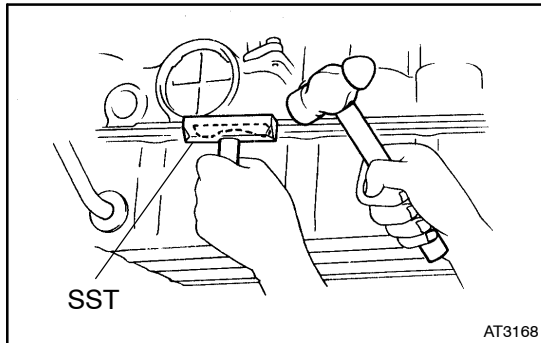
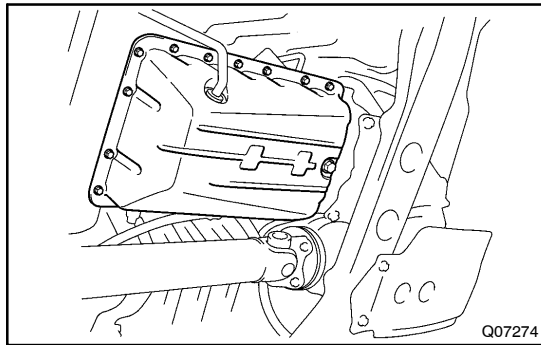




VALVE BODY ASSEMBLY ON-VEHICLE REPAIR

ATOUT-01

1. DRAIN ATF

Torque: 20 N·m (205 kgf·cm, 15 ft·lbf)

2. REMOVE OIL PAN

NOTICE:

Some fluid will remain in the oil pan.

(a) Remove the 19 bolts.

Torque: 7.4 N·m (75 kgf·cm, 65 in·lbf)

(b) Install the blade of SST between the transmission case and oil pan, cut off applied sealer and then remove the oil pan.

SST 09032-00100

NOTICE:

When removing the oil pan, be careful not to damage the oil pan flange.

HINT:

At the time of installation, after removing all the old FIPG on the contacting surface of the oil pan and transmission case, apply new FIPG to the oil pan. (See page [AT-1](#))

FIPG: Part No. 08826-00090, THREE BOND 1281 or equivalent

3. WHEN REPLACING 3 SHIFT SOLENOID VALVES

(a) Disconnect the connectors from the solenoid valves.

(b) Remove the 3 solenoid valve mounting bolts.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

(c) Remove the 3 solenoid valves.

HINT:

At the time of installation, replace the O-rings with new ones.

4. REMOVE OIL STRAINER

Remove the 4 bolts, and the oil strainer and gaskets.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

NOTICE:

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

Bolt length:

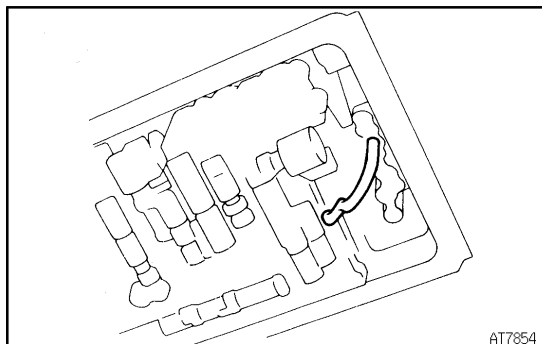
Bolt A: 16 mm (0.63 in.)

Bolt B: 20 mm (0.79 in.)

Bolt C: 28 mm (1.10 in.)

HINT:

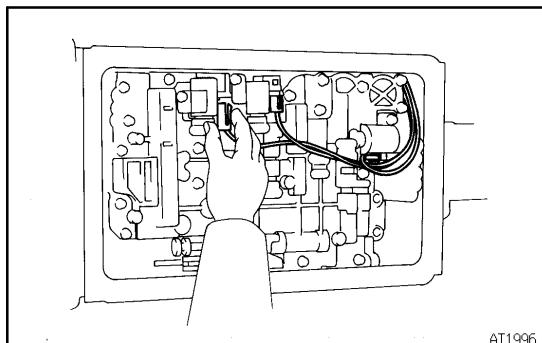
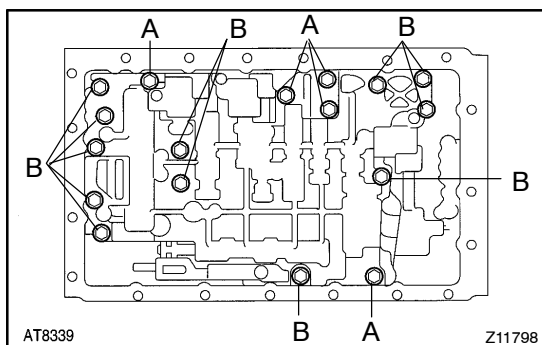
At the time of installation, replace the gaskets with new ones.

**5. REMOVE OIL PIPE**

Pry up both pipe ends with a large screwdriver and remove the pipe.

NOTICE:

At time of the installation, make sure that the oil pipe or the magnet do not interfere with the oil pan.

**6. DISCONNECT CONNECTOR FROM EACH SOLENOID VALVE****7. REMOVE VALVE BODY**

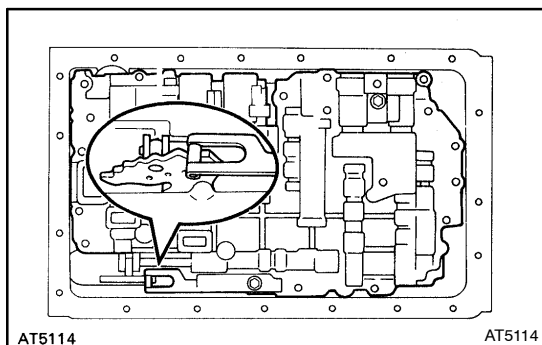
(a) Remove the 17 bolts.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

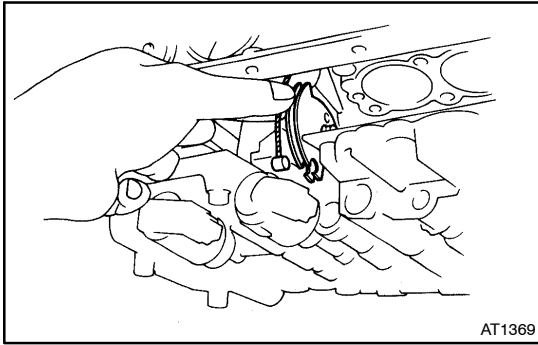
Bolt length:

Bolt A: 23 mm (0.91 in.)

Bolt B: 32 mm (1.26 in.)

**HINT:**

At the time of installation, align the groove the manual valve to the pin of the lever.



(b) Disconnect the throttle cable from the cam.

(c) Remove the valve body.

NOTICE:

Be careful not to drop the check ball body and spring.

HINT:

At the time of installation, install the check ball body and spring to the transmission case.

8. REINSTALL VALVE BODY ASSEMBLY

To install, follow the removal procedure in reverse.

HINT:

After installation, fill ATF and check the fluid level. (See page [DI-135](#))