

VALVE BODY

AT090-02

VALVE BODY REMOVAL

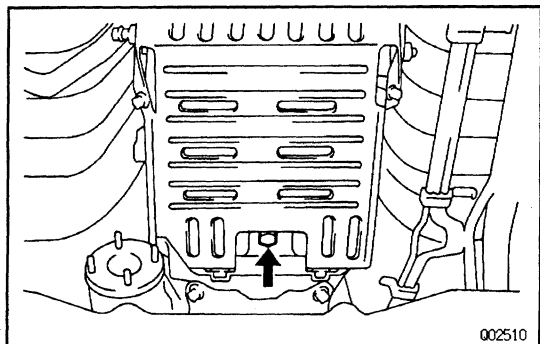
1. REMOVE TRANSMISSION AND TRANSFER UNDER COVER

2. CLEAN TRANSMISSION EXTERIOR

To prevent contamination, clean the exterior transmission.

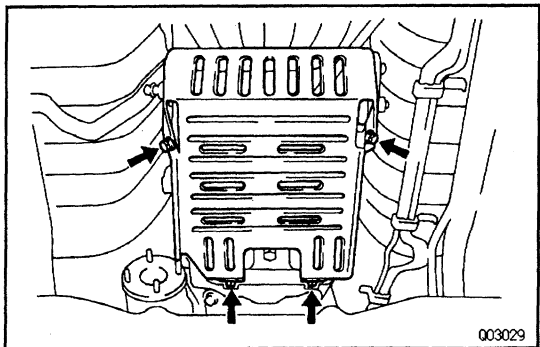
3. DRAIN TRANSMISSION FLUID

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



4. REMOVE OIL PAN PROTECTOR

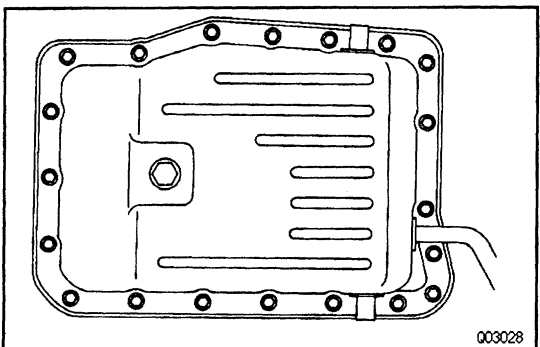
Remove the 4 bolts and the oil pan protector.



6. REMOVE OIL PAN AND GASKET

NOTICE: Some fluid will remain in the oil pan. Be careful not to damage the filler tube.

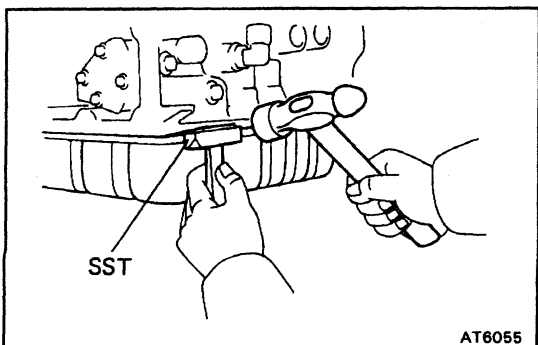
(a) Remove the 20 bolts.

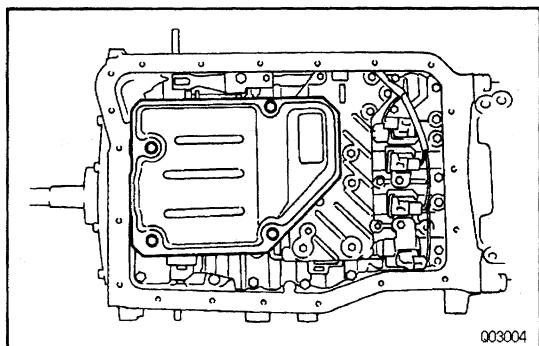


(b) Insert the blade off SST between the transmission and oil pan, cut-off applied sealer.

SST 09302-00100

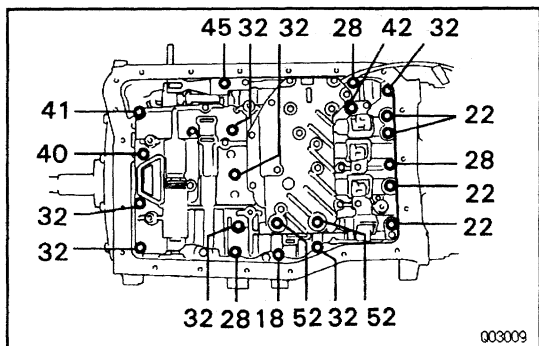
NOTICE: Be careful not to damage the oil pan flange.





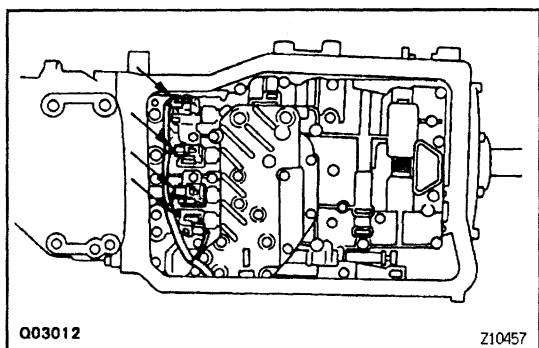
6. REMOVE OIL STRAINER

Remove the 4 bolts and oil strainer.

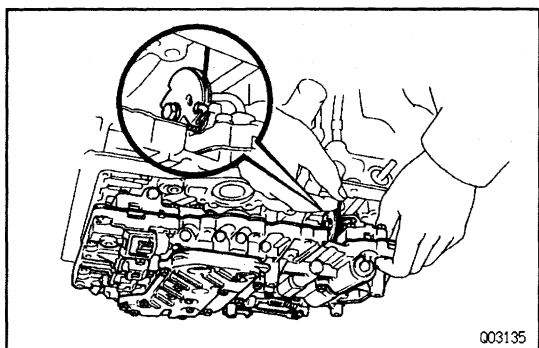


7. REMOVE VALVE BODY

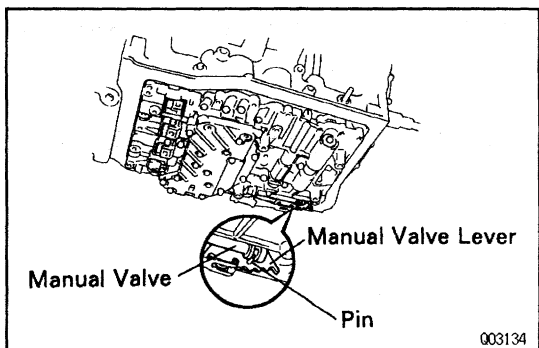
(a) Remove the 21 bolts.



(b) Disconnect the 4 connectors from the solenoids.



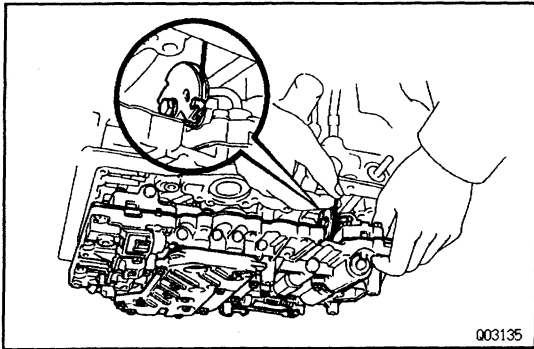
(c) Remove the throttle cable from the cam and remove the valve body.



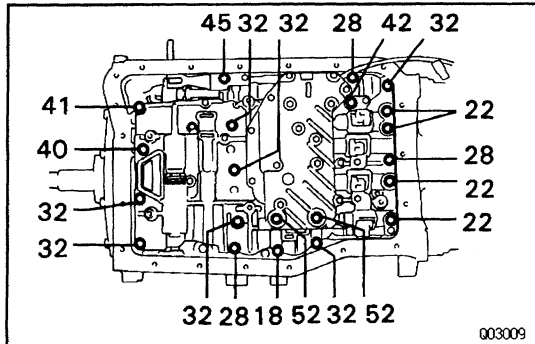
VALVE BODY INSTALLATION

1. INSTALL VALVE BODY

(a) Align the groove of the manual valve with the pin of the manual valve lever.



(b) Connect the throttle cable to the cam.

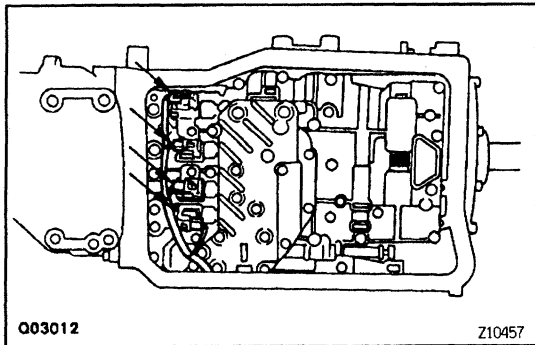


(c) Install the other bolts, as shown in the illustration.

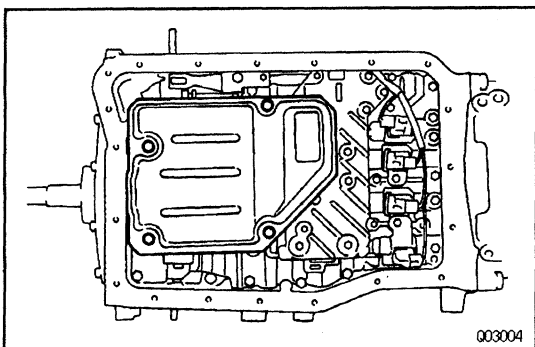
(d) Check that the manual valve lever contacts the center of the roller at the tip of the detente spring.

(e) Tighten the bolts.

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



2. CONNECT 4 SOLENOID CONNECTORS



3. INSTALL OIL STRAINER

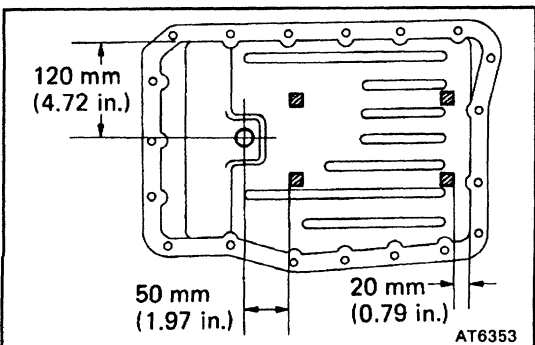
Install a new gasket and the oil strainer with 4 bolts.

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

Each bolt length is indicated below.

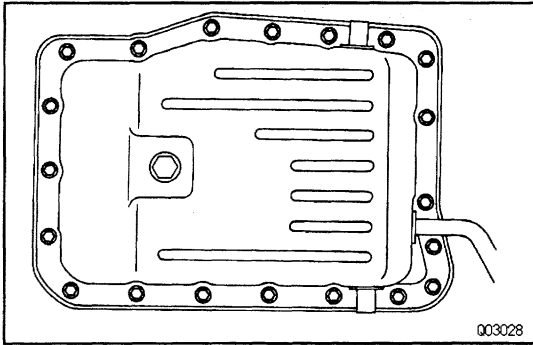
Bolt length:

16 mm (0.63 in.)



4. INSTALL MAGNETS IN PAN

Install the 4 magnets in the oil pan, as shown in the illustration.



5. INSTALL OIL PAN

(a) Remove any FIPG and be careful not to drop oil on the contacting surface of the transmission case and oil pan.

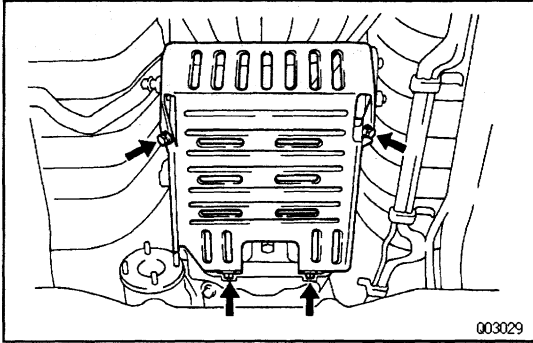
(b) Apply FIPG to the oil pan.

FIPG:

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

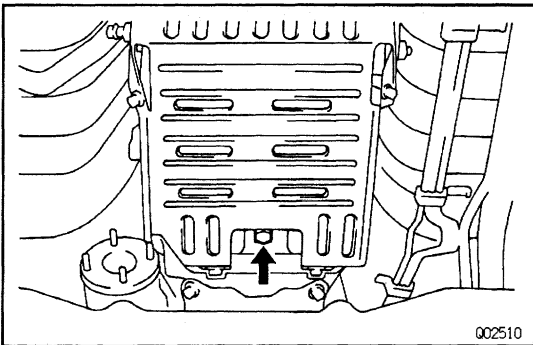
(c) Install and tighten the 20 bolts.

Torque: 6.9 N-m (70 kgf-cm, 61 in.·lbf)



6. INSTALL OIL PAN PROTECTOR

Install the protector with the 4 bolts.



7. INSTALL DRAIN PLUG

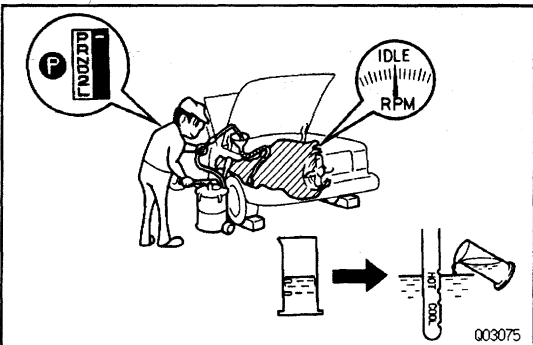
(a) Install the drain plug with a new gasket.

(b)

Torque the drain plug.

Torque: 27 N-m (280 kgf-cm, 20 ft-lbf)

8. INSTALL TRANSMISSION UNDER COVER AND TRANSFER UNDER COVER



9. FILL TRANSMISSION WITH ATF

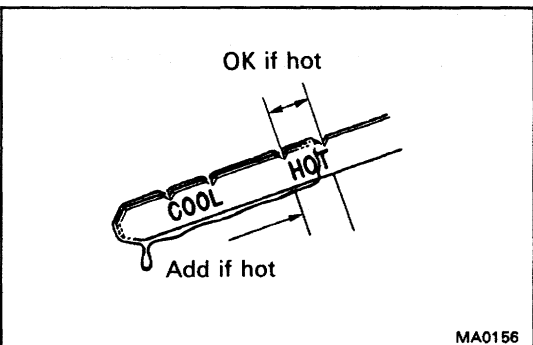
CAPACITY:

6.0 LITERS (6.3 US QTS, 5.3 IMP.QTS)

NOTICE: Do not overfill.

Fluid type:

ATF DEXRON[®] n



10. CHECK FLUID LEVEL (SEE PAGE [AT-25](#))