

ON-VEHICLE REPAIR

Valve Body

REMOVAL OF VALVE BODY

1. CLEAN TRANSMISSION EXTERIOR

To prevent contamination, clean the exterior of the transmission.

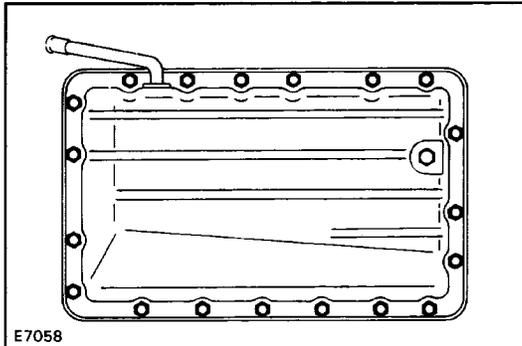
2. DRAIN TRANSMISSION FLUID

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

3. REMOVE OIL PAN

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

(a) Remove the nineteen bolts.

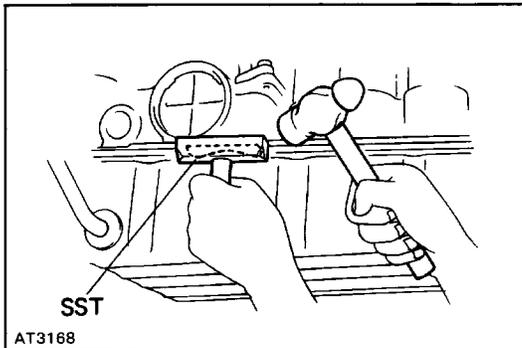


E7058

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

SST 09032-00 100

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

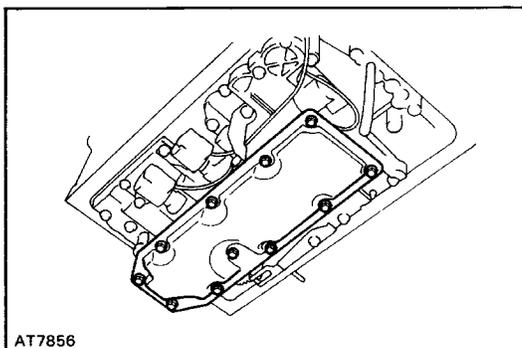


AT3168

4. REMOVE OIL STRAINER AND GASKETS

(a) Remove the eleven bolts holding the oil strainer to the oil strainer case.

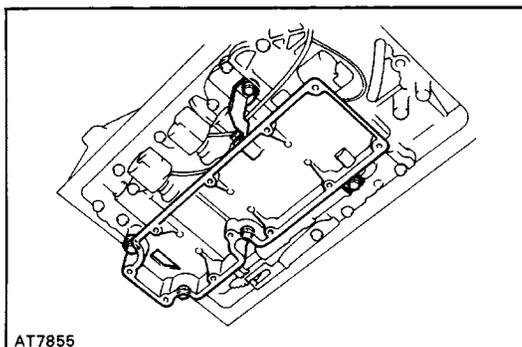
(b) Remove the oil strainer and gasket.



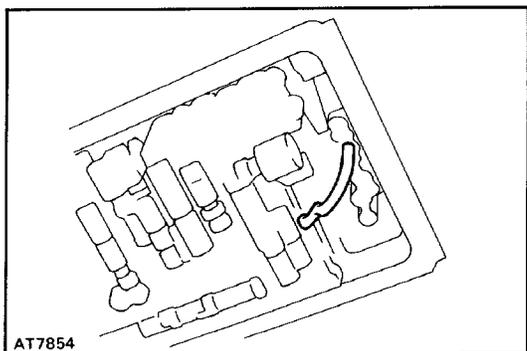
AT7856

(c) Remove the five bolts and oil strainer case.

(d) Remove the two gaskets from the case.



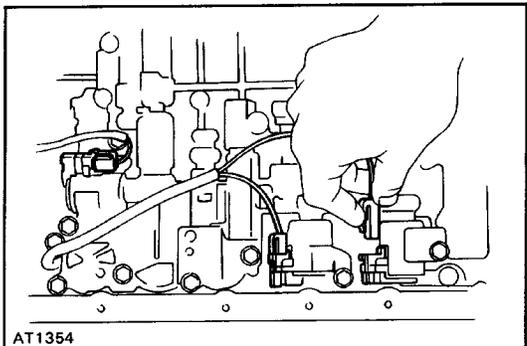
AT7855



AT7854

5. REMOVE OIL TUBE

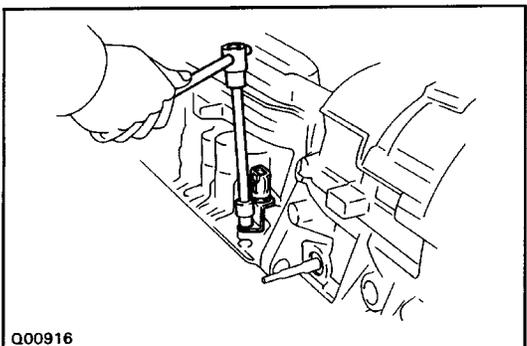
Pry up both tube ends with a large screwdriver and remove the tube.



AT1354

6. REMOVE SOLENOID WIRING

(a) Disconnect the three connectors from No.1, No.2 and lock-up solenoids.

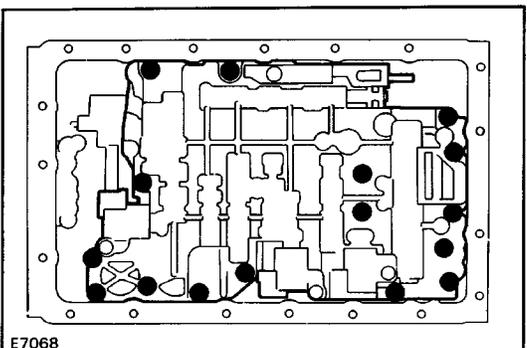


Q00916

(b) Remove the stopper plate from the case.

(c) Pull out the solenoid wiring from the transmission case.

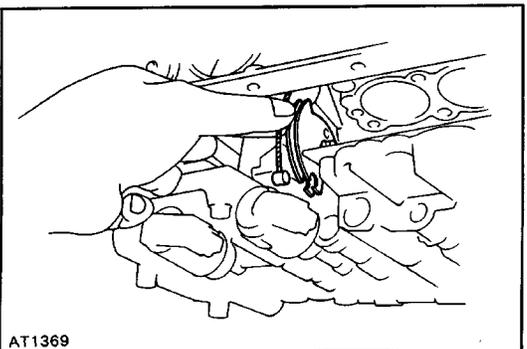
(d) Remove the O-ring from the grommet.



E7068

7. REMOVE VALVE BODY

(a) Remove the sixteen bolts.



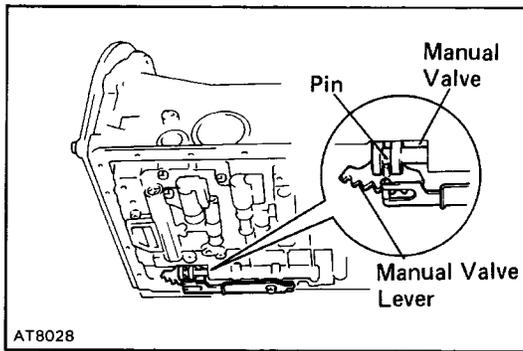
AT1369

(b) Disconnect the throttle cable from the cam and remove the valve body.

INSTALLATION OF VALVE BODY

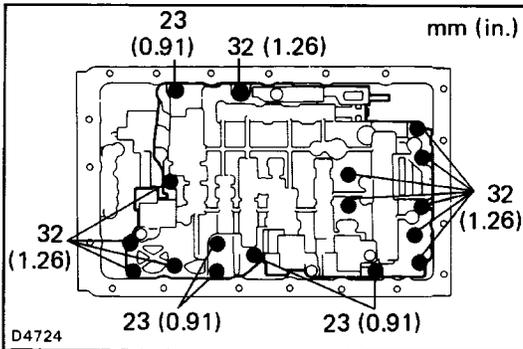
1. CONNECT THROTTLE CABLE TO CAM

Push the cable fitting into the cam.



2. INSTALL VALVE BODY

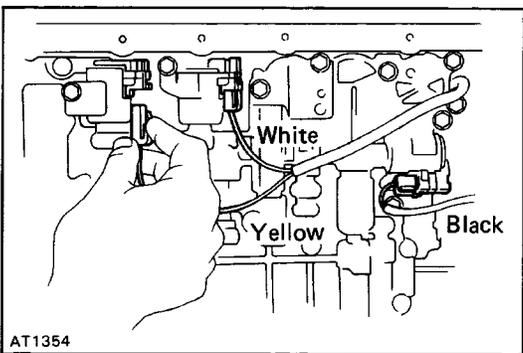
(a) Align the manual valve lever with the manual valve.



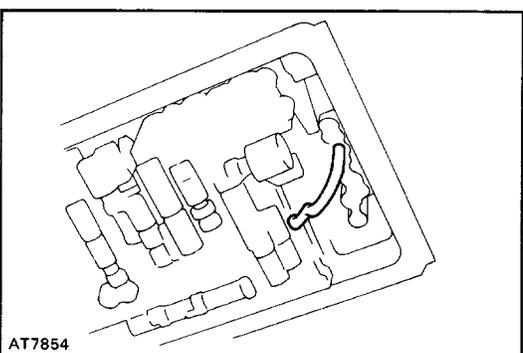
(b) Finger tighten the all bolts first. Then tighten the bolts evenly.

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

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



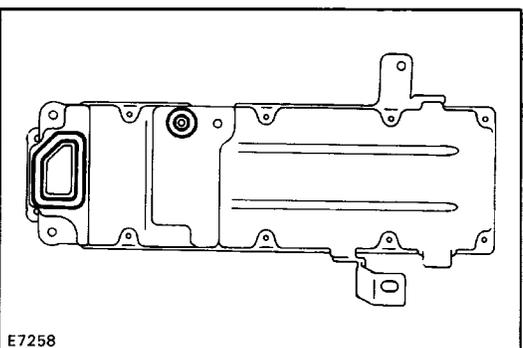
3. CONNECT SOLENOID WIRING



4. INSTALL OIL TUBE

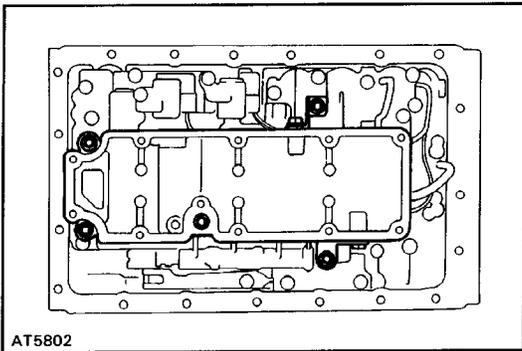
Tap the tubes with a plastic hammer to install the tube into the position shown in the figure.

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



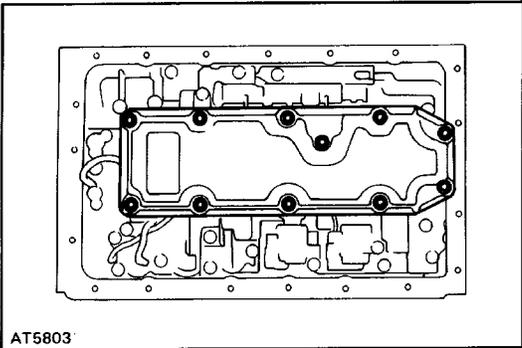
5. INSTALL OIL STRAINER AND GASKETS

(a) Install two new gaskets to the oil strainer case.



(b) Install the oil strainer case and torque the five bolts.

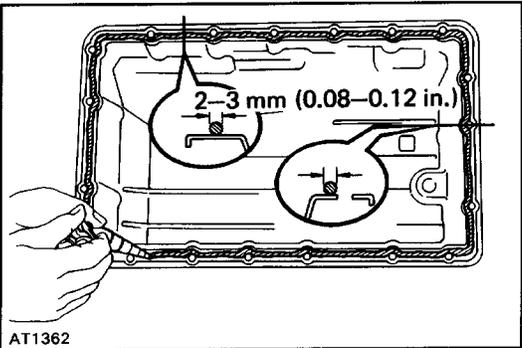
Torque: 10 N-m (100 kgf-cm, 7 ft-lbf)



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

(d) Install the oil strainer and torque the eleven bolts.

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

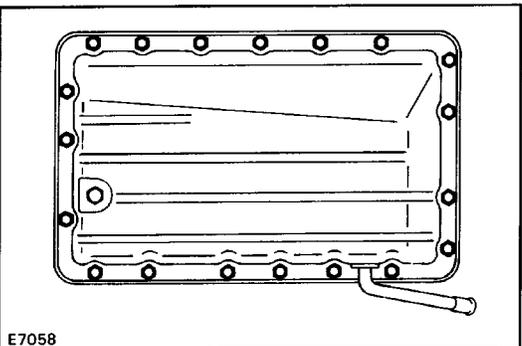


6. INSTALL OIL PAN

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

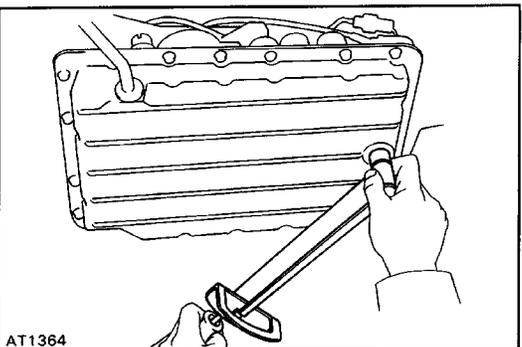
(b) Apply seal packing to the oil pan shown in the figure.

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



(c) Install and torque the nineteen bolts.

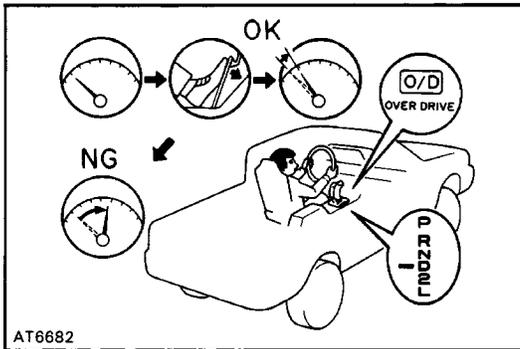
Torque: 7.4 N-m (75 kgf-cm, 65 in.-lbf)



7. INSTALL DRAIN PLUG

Torque the drain plug.

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



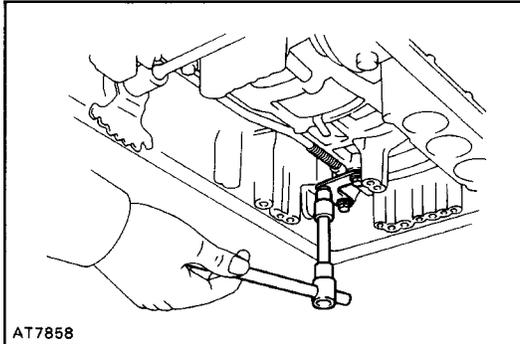
AT6682

8. FILL TRANSMISSION WITH ATF

Add only about two liters of ATF. Start the engine and shift through all the positions. Check the fluid level and add as necessary.

NOTICE: Do not overfill.

Fluid type: ATF DEXRON[®] II

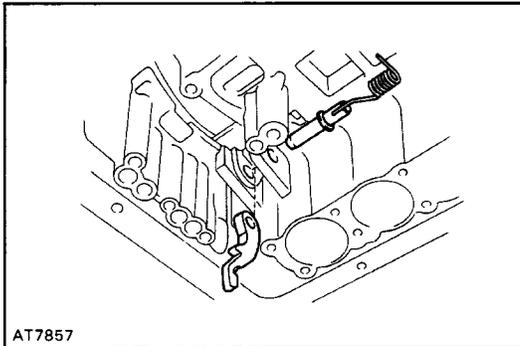


AT7858

Parking Lock Pawl

REMOVAL OF PARKING LOCK PAWL

1. REMOVE VALVE BODY (See page [AT-204](#))
 2. REMOVE PARKING LOCK PAWL BRACKET
- Remove the three bolts and the bracket.

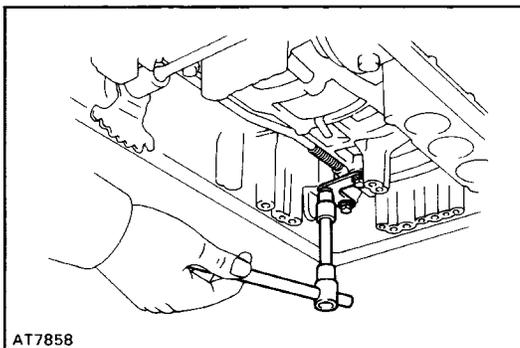


AT7857

3. REMOVE SPRING FROM PARKING LOCK PAWL PIVOT PIN

4. REMOVE PIVOT PIN AND PARKING LOCK PAWL INSTALLATION OF PARKING LOCK PAWL

1. INSTALL PARKING LOCK PAWL AND PIVOT PIN
2. INSTALL SPRING



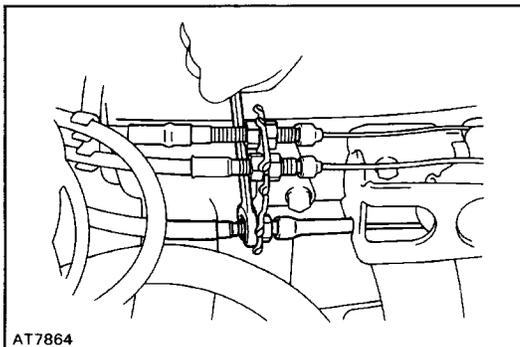
AT7858

3. INSTALL PARKING LOCK PAWL BRACKET

- (a) Push lock rod fully toward.
- (b) Install the three bolts finger tight.
- (c) Check that the pawl operates smoothly.
- (d) Torque the bolts.

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

4. INSTALL VALVE BODY (See page [AT-204](#))



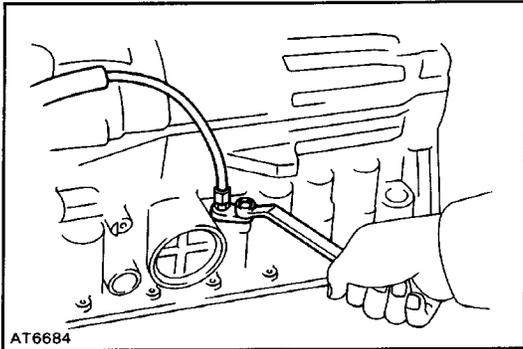
AT7864

Throttle Cable

REMOVAL OF THROTTLE CABLE

1. DISCONNECT THROTTLE CABLE

Disconnect the cable from the throttle linkage.



AT6684

2. REMOVE VALVE BODY (See page [AT-204](#))
3. PUSH THROTTLE CABLE OUT OF TRANSMISSION CASE
Remove the retaining bolt and pull out the throttle cable.

INSTALLATION OF THROTTLE CABLE

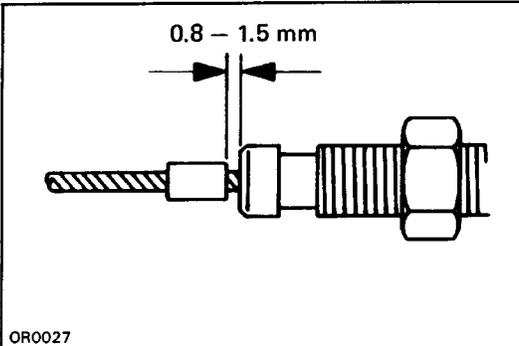
1. INSTALL CABLE IN TRANSMISSION CASE

Install the retaining bolt and push in the throttle cable.

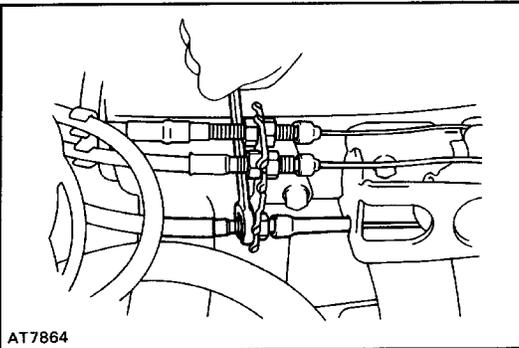
2. INSTALL VALVE BODY (See page [AT-205](#))

3. IF THROTTLE CABLE IS NEW, STAKE STOPPER ON INNER CABLE

- (a) Pull the inner cable lightly until a slight resistance is felt, and hold it.
- (b) Stake the stopper as shown, 0.8 – 1.5 mm (0.031 – 0.059 in.) in width.



OR0027



AT7864

4. CONNECT THROTTLE CABLE
5. ADJUST THROTTLE CABLE (See page [AT-182](#))
6. TEST DRIVE VEHICLE