Preliminary Check

1. CHECK FLUID LEVEL

HINT:

- The vehicle must have driven so that the engine and transmission are at normal operating temperature.

(Fluid temperature: 70 — 80°C or 158 — 176°F)

- Only use the COOL range on the dipstick as a rough reference when the fluid is replaced or the engine does not run.

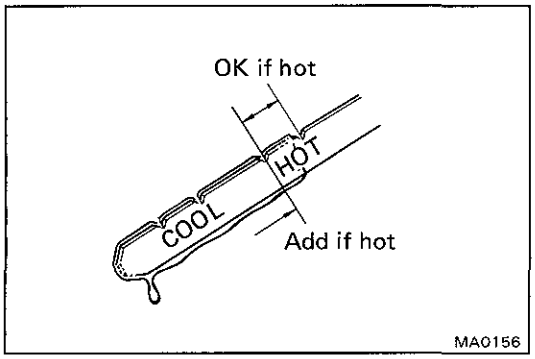
(a) Park the vehicle on a level surface, set the parking brake.

(b) With the engine idling, shift the shift lever into all positions from P to L position and return to P position.

(c) Pull out the transmission dipstick and wipe it clean.

(d) Push it back fully into the tube.

(e) Pull it out and check that the fluid level is on the HOT range.



If the level is at the low side, add fluid.

Fluid type: ATF DEXRON® II

NOTICE: Do not overfill.

2. CHECK FLUID CONDITION

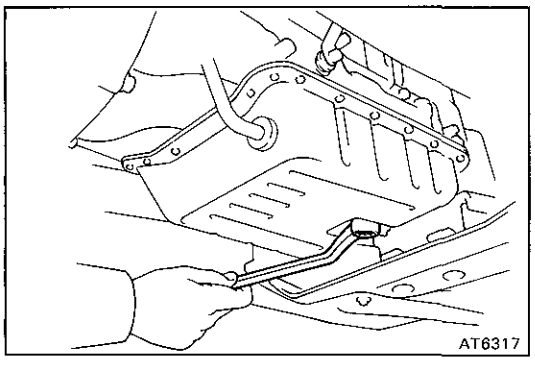
If the fluid smells burnt or is black, replace it in the following procedure.

(a) Remove the drain plug and drain the fluid.

(b) Reinstall the drain plug securely.

Torque: 280 kg-cm (20 ft-lb, 27 N·m)

(c) With the engine OFF, add new fluid through the oil filler tube.



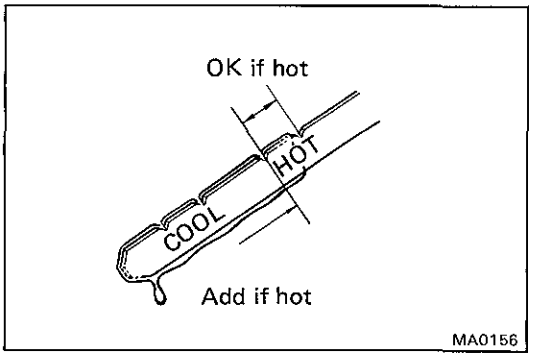
Fluid type: ATF DEXRON® II

Capacity: Total
w/o Oil cooler
15.0 litters (15.9 US qts, 13.2 Imp. qts)
w/ Oil cooler
15.4 litters (16.3 US qts, 13.6 Imp. qts)
Drain and refill
6.0 litters (6.3 US qts, 5.3 Imp. qts)

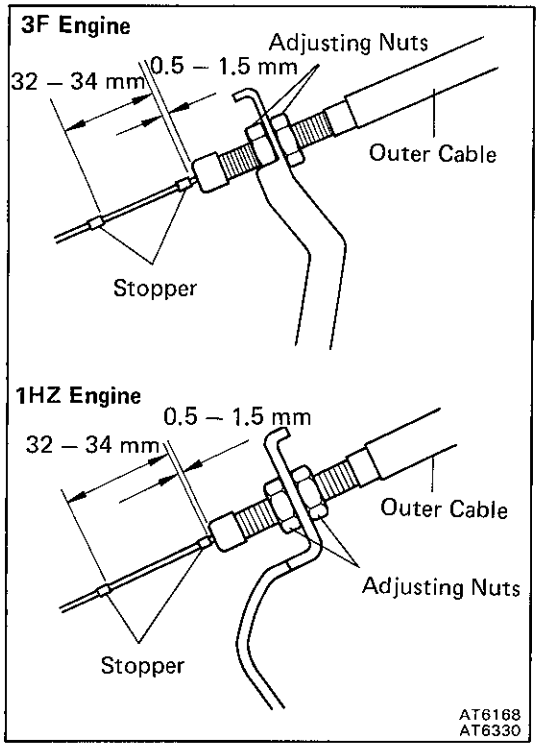
(d) Start the engine and shift the shift lever into all positions from P to L position and then shift into P position.

(e) With the engine idling, check the fluid level. Add fluid up to the COOL level on the dipstick.

(f) Check the fluid level with the normal operating temperature (70 — 80°C or 158 — 176°F) and add as necessary.



NOTICE: Do not overfill.



3. INSPECT THROTTLE CABLE

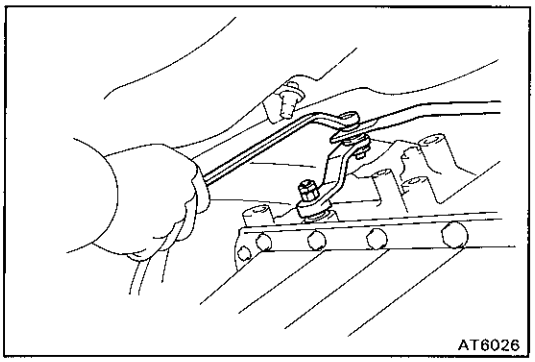
(a) Check that the throttle cable is installed correctly and not bent.

(b) With the throttle valve fully closed, measure the distance between the end of the boot and stopper on the cable.

Standard distance:

Fully closed	**0.5 – 1.5 mm (0.020 – 0.059 in.)**
Fully opened	**32 – 34 mm (1.260 – 1.339 in.)**

If the distance is not standard, adjust the cable by the adjusting nuts.



4. INSPECT TRANSMISSION SHIFT LEVER POSITION

When shifting the shift lever from the N position to other positions, check that the lever can be shifted smoothly and accurately to each position and that the position indicator correctly indicates the position.

If the indicator is not aligned with the correct position, carry out the following adjustment procedures.

(a) Loosen the nut on the control rod.

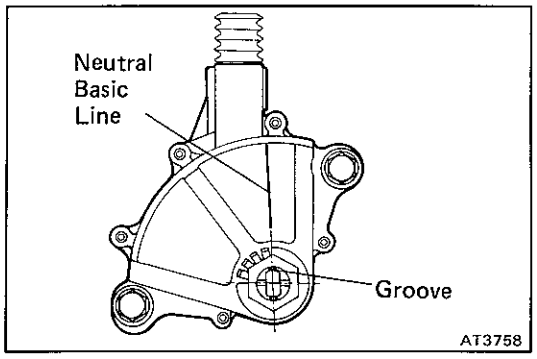
(b) Push the control shaft lever fully toward the rear of the vehicle.

(c) Return the control shaft lever two notches to N position.

(d) Set the shift lever to N position.

(e) While holding the shift lever lightly toward the R position side, tighten the control rod nut.

(f) Start the engine and make sure that the vehicle moves forward when shifting the lever from the N to D position and reverse when shifting it to the R position.



5. INSPECT NEUTRAL START SWITCH

Check that the engine can be started with the shift lever only in the N or P position, but not in other positions.

If not as started above, carry out the following adjustment procedures.

(a) Loosen the neutral start switch bolts and set the shift lever to the N position.

(b) Align the groove and neutral basic line.

(c) Hold in position and tighten the bolts.

Torque: 130 kg-cm (9 ft-lb, 13 N·m)