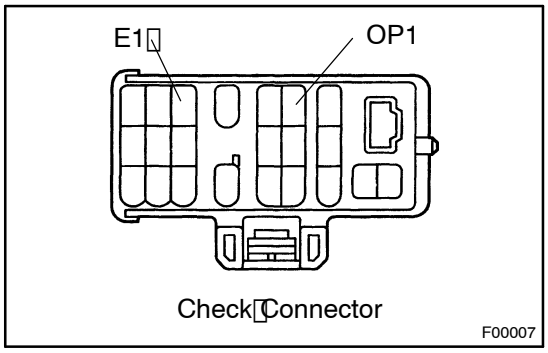
CO0TP–01

ON–VEHICLE INSPECTION

1. INSPECT DRIVE BELT
(See page CH–2)
2. KEEP VEHICLE LEVEL
3. REMOVE V–BANK COVER



4. INSPECT FLUID LEVEL

(a) Using SST, connect terminals OP1 and E1 of the check connector.
SST 09843–18020

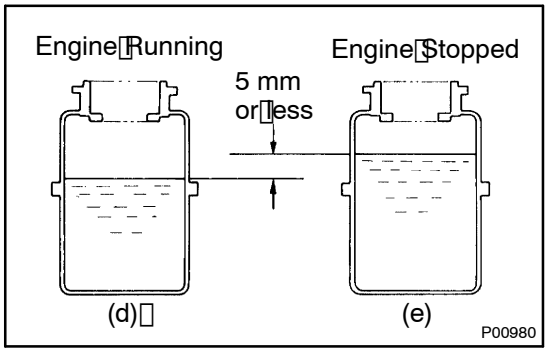
HINT:
When terminals OP1 and E1 are connected, the circuit of the ECT sensor is grounded, fixing the cooling fan speed at approx. 1,100 rpm. (Fail–safe operation occurs.)

(b) Keep the engine speed at 2,000 rpm until the fluid temperature reaches the specified temperature.
Fluid temperature:
75 – 85°C (167 – 185°F)

(c) Check that there is no foaming and emulsification of the fluid in the reservoir tank.

(d) Measure the fluid level with the engine running.

(e) Stop the engine, and measure the fluid level.



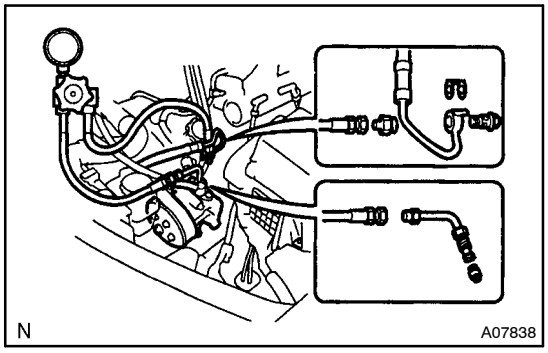
(f) Subtract (d) from (e).
Maximum stroke:
5 mm (0.20 in.)

(g) Check the fluid level.

If low, add fluid.
Fluid:
ATF DEXRON®II or III

HINT:
Check that fluid level is within the "HOT" level on reservoir. If the fluid is cold, check that it is within the "COLD" level on the reservoir.

(h) Remove the SST from the check connector.
SST 09843–18020



5. DISCONNECT PRESSURE HOSE FROM HYDRAULIC MOTOR, AND INSTALL OIL PRESSURE GAUGE

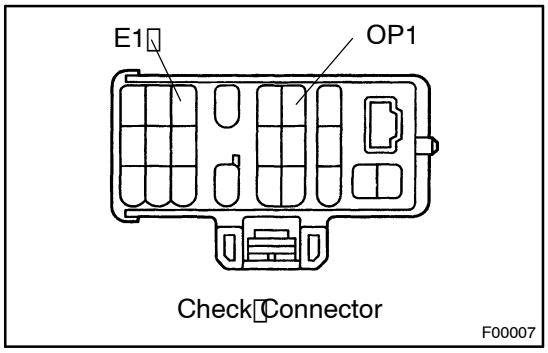
(a) Remove the union bolt and gasket, and disconnect the pressure hose from the hydraulic motor.

(b) Connect the gauge side of a pressure gauge to pressure hose, and the valve side to the hydraulic motor.

6. INSPECT OIL PRESSURE

HINT:

Before inspecting the oil pressure, first check that the A/C is off.



(a) Using SST, connect terminals OP1 and E1 of the check connector.

SST 09843–18020

HINT:

When terminals OP1 and E1 are connected, the circuit of the ECT sensor is grounded, fixing the cooling fan speed at approx. 1,100 rpm. (Fail–safe operation occurs.)

(b) Bleed the hydraulic cooling system.
(See page CO–20)

(c) Keep the engine speed at 1,500 rpm until the fluid temperature reaches the specified temperature.

Fluid temperature:
75 – 85°C (167 – 185°F)

(d) Check the fluid level is correct.

(e) Measure the oil pressure at idling.

Oil pressure:
4,511 – 5,492 kPa
(46 – 56 kgf/cm^2, 654 – 796 psi)

(f) Remove the SST from the check connector.

SST 09843–18020

(g) Check that the oil pressure decreases.

7. REMOVE OIL PRESSURE GAUGE, AND RECONNECT PRESSURE HOSE TO HYDRAULIC MOTOR

(a) Remove the pressure gauge.

(b) Connect the pressure hose to the hydraulic motor with a new gasket and the union bolt.

Torque: 64 N·m (650 kgf·cm, 47 ft·lbf)