ON–VEHICLE INSPECTION

EG7B2-01

1. REMOVE INTAKE AIR CONNECTOR FROM CARBURETOR

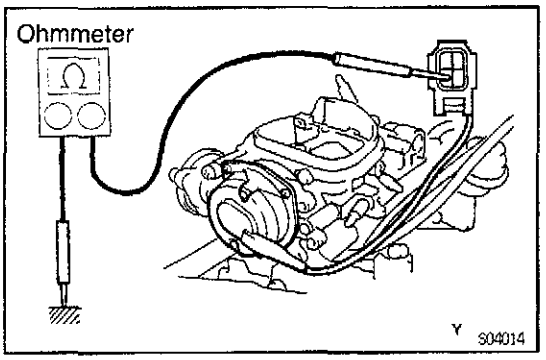
2. INSPECT CARBURETOR AND LINKAGE

(a) Check that the various set screws, plugs and union bolts are tight and correctly installed.

(b) Check the linkage for excessive wear and missing snap rings.

(c) Check that the throttle valves open fully when the accelerator pedal is fully depressed.

COLD ENGINE



3. INSPECT AUTOMATIC CHOKE SYSTEM

(a) Disconnect the wiring connector.

(b) Using an ohmmeter, measure the resistance between the coil housing terminal (red wire) and body ground.

Resistance:

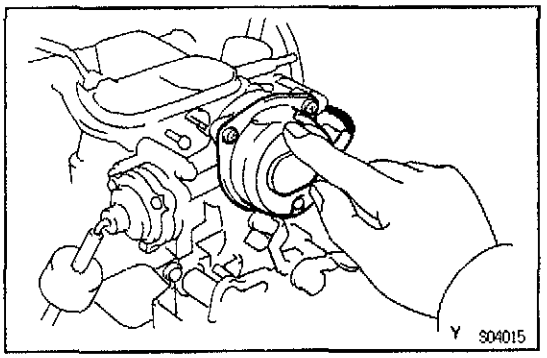
At 20°C (68°F): 17 – 19 Ω

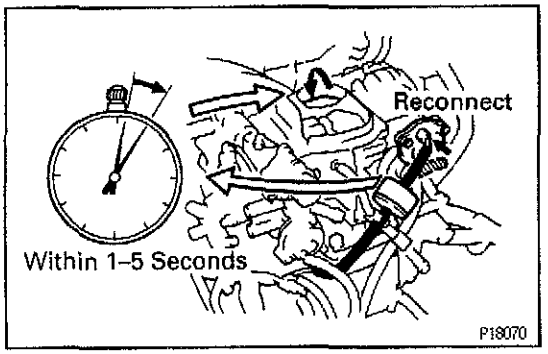
(c) Connect the wiring connector.

(d) Start the engine.

(e) Shortly after, check that the choke valve begins to open and the coil housing (choke heater) is heated.

(f) Stop the engine.





4. INSPECT CHOKE BREAKER (CB) SYSTEM

(a) Start the engine.

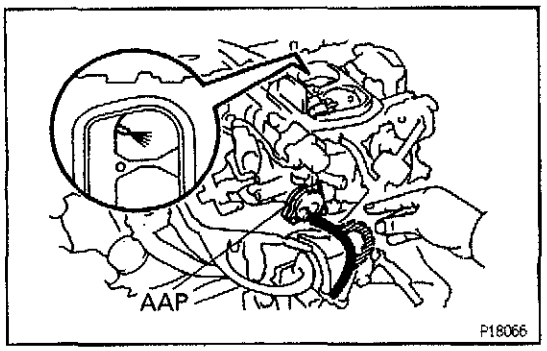
(b) Disconnect the vacuum hose from the CB and check that the choke valve moves.

(c) Reconnect the vacuum hose to the CB and check that the choke valve moves within the specified time after reconnecting the hose.

Time:

1 – 5 seconds

(d) Stop the engine.



5. INSPECT AUXILIARY ACCELERATION PUMP (AAP) SYSTEM

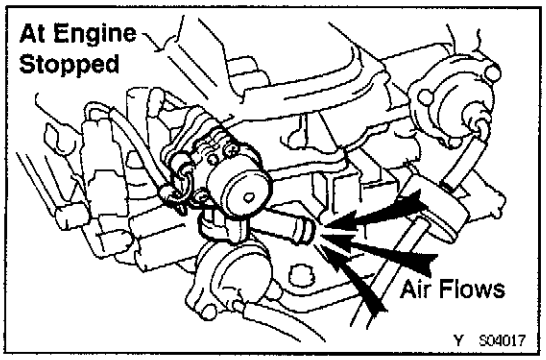
(a) Check that the coolant tempeature is below 55°C (131°F).

(b) Start the engine.

(c) Pinch the AAP hose, and stop the engine.

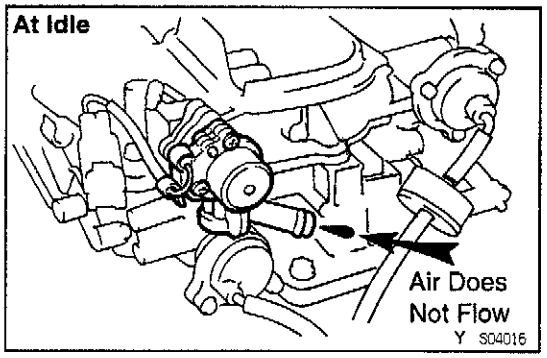
(d) Release the hose.

(e) Check that gasoline spurts out from the acceleration nozzle.

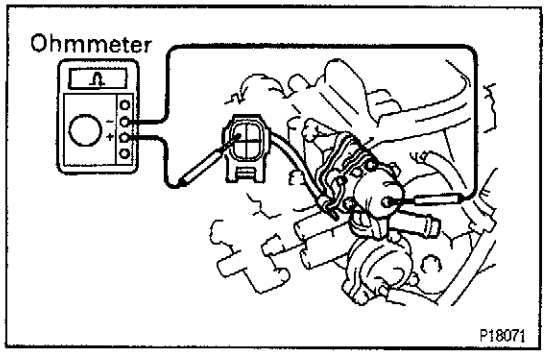


6. INSPECT OUTER VENT CONTROL VALVE (OVCV) OPERATION

(a) Disconnect the outer vent hose from the carburetor.
(b) Blow air into the outer vent pipe and check that the OVCV is open.



(c) Start the engine.
(d) With the engine idling, blow air into the outer vent pipe and check that the OVCV is closed.



(e) Disconnect the carburetor connector.
(f) Using an ohmmeter, measure the resistance between the OVCV terminal of the carburetor connector and body ground.
Resistance:
Cold: 32 – 38 Ω
(g) Reconnect the outer vent hose.

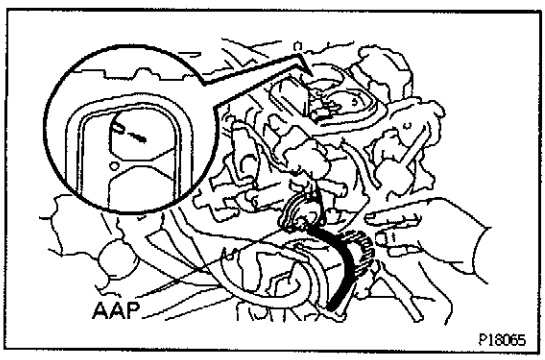
HOT ENGINE

7. INSPECT CHOKE VALVE

Check that the choke valve opens fully.

8. INSPECT AUXILIARY ACCELERATIONS PUMP (AAP) SYSTEM

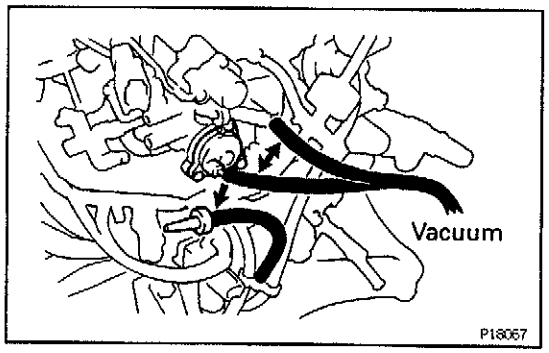
(a) Warm up the engine to normal operating temperature.
(b) Start the engine.
(c) Pinch the AAP hose, and stop the engine.
(d) Release the hose.
(e) Check that gasoline does not spurt out from the acceleration nozzle.

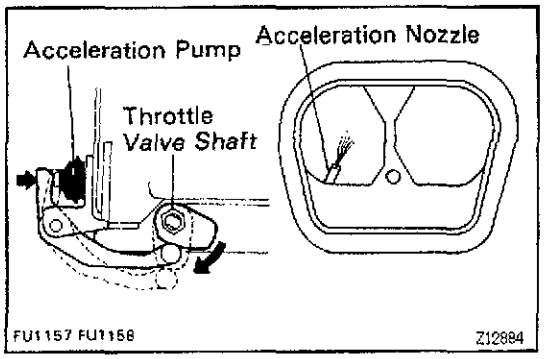


9. INSPECT AUXILIARY ACCELERATION PUMP (AAP) DIAPHRAGM

(a) Start the engine.
(b) Disconnect the hose from the AAP.
(c) Apply and release the vacuum directly to the AAP at idle.
(d) Check that the engine rpm changes by releasing vacuum.
(e) Reconnect the AAP hose.

If a problem is found, replace the AAP diaphragm.





10. INSPECT ACCELERATION PUMP

Open the throttle valve, and check that gasoline spurts out from the acceleration nozzle.

11. INSTALL AIR INTAKE CONNECTOR

12. CHECK AND ADJUST IDLE SPEED AND IDLE MIXTURE

(See idle CO check and adjust in Engine Mechanical)

13. CHECK AND ADJUST FAST IDLE SPEED

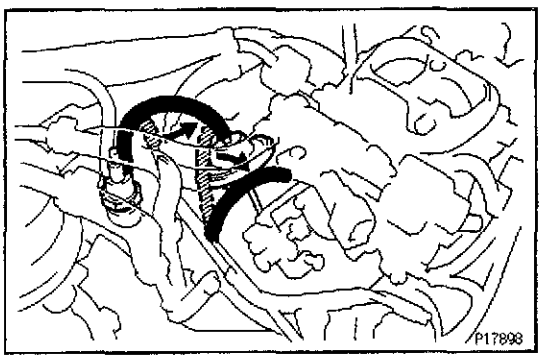
(See fast idle speed inspection and adjustment in Engine Mechanical)

14. CHECK AND ADJUST THROTTLE POSITIONER (TP) SETTING SPEED

(a) *Warm up and stop engine.*

(b) Connect tachometer to engine.

(c) Start the engine.



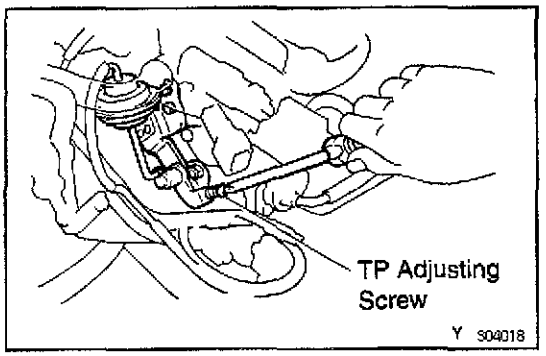
(d) Disconnect the vacuum hoses from the gas filter and TP.

(e) Connect the vacuum hose which you have disconnected from the gas filter onto the TP.

(f) Check the TP setting speed.

TP setting speed:

1,270 – 1,470 rpm



If the TP setting speed is not as specified, adjust the setting speed by turning the TP adjusting screw.

TP setting speed:

1,370 rpm

(g) Reconnect the vacuum hose and check the idle speed.