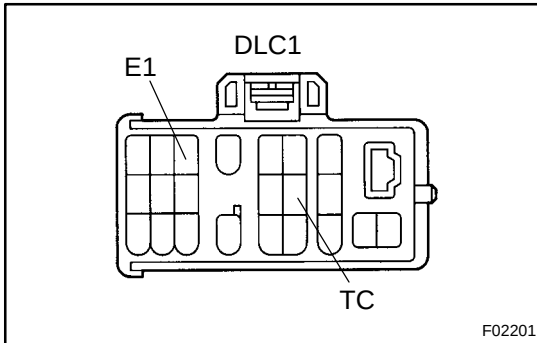


IDLE AIR CONTROL (IAC) VALVE ON-VEHICLE INSPECTION

SF1MH-01

1. INSPECT IAC VALVE OPERATION

- (a) Initial conditions:
- Engine at normal operating temperature
 - Idle speed checked correctly
 - Transmission in neutral position
 - A/C switch OFF



- (b) Using SST, connect terminals TC and E1 of the DLC1.

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- (c) After engine speed is kept at approx. 1,000 rpm for 5 seconds, check that it returns to idle speed.

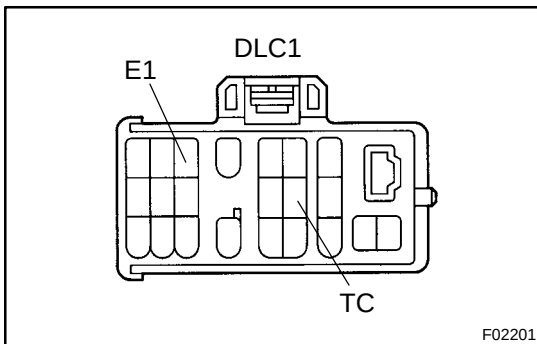
If the engine speed operation is not as specified, check the IAC valve, wiring and ECM.

- (d) Remove the SST from the DLC1.

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2. INSPECT AIR ASSIST SYSTEM

- (a) Initial conditions:
- Engine at normal operating temperature
 - Idle speed checked correctly
 - Transmission in neutral position
 - A/C switch OFF



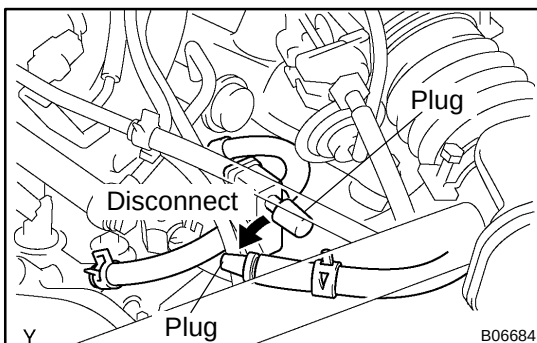
- (b) Using SST, connect terminals TC and E1 of the DLC1.

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- (c) After engine speed is kept at 900 - 1,300 rpm for 10 seconds, check that it returns to idle speed.

- (d) Stop the engine.

- (e) Remove the V-bank cover.



- (f) Disconnect the air assist hose from the air pipe, and block off the IAC valve exit and the entry to the pipe.

- (g) Start the engine and check that the idle speed reaches 500 rpm or below (the engine may stall).

If the idle does not reach 500 rpm or below, check for a leak between the air assist hoses, pipe and injectors.

- (h) Remove the SST from the DLC1.

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- (i) Reconnect the air assist hose to the air pipe.

- (j) Reinstall the V-bank cover.