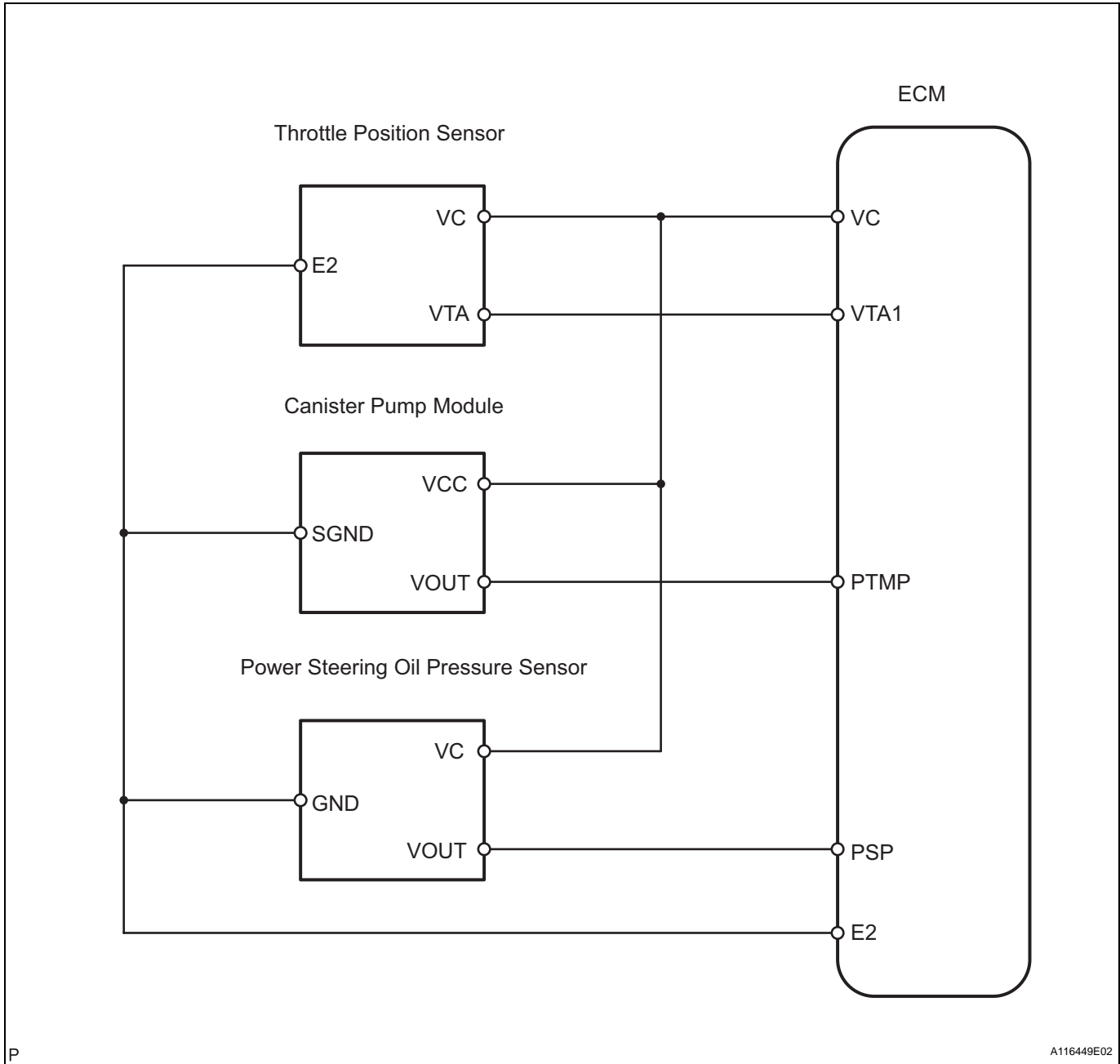


VC Output Circuit

DESCRIPTION

The VC voltage (5 V) is generated in the ECM. The voltage is used to supply power to the throttle position sensor, canister pump module, etc.

WIRING DIAGRAM



ES

P

A116449E02

1

CHECK MIL

- (a) Check that the Malfunction Indicator Lamp (MIL) lights up when turning the ignition switch ON.

OK:
MIL lights up

OK → SYSTEM OK

NG

2 CHECK CONNECTION BETWEEN INTELLIGENT TESTER AND ECM

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch ON and intelligent tester ON.
- (c) Check the communication between the intelligent tester and ECM.

Result	Proceed to
Communication is possible	A
Communication is not possible	B

ES

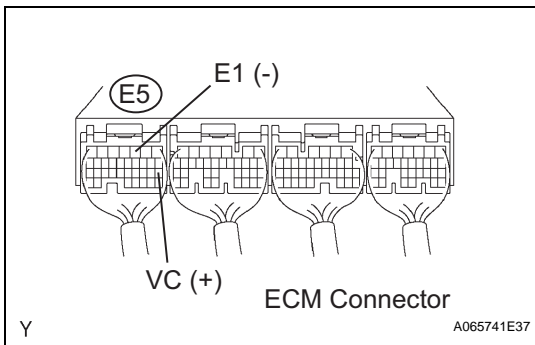
A → GO TO MIL CIRCUIT

B

3 INSPECT ECM

- (a) Turn the ignition switch ON.
- (b) Measure the voltage between E5-18 (VC) and E5-3 (E1) of the ECM connectors.

Result:
Voltage is not 5 V



NEXT

4 CHECK MIL (THROTTLE POSITION SENSOR)

- (a) Disconnect the T1 throttle position sensor connector.
- (b) Turn the ignition switch ON.
- (c) Check the MIL.

Result

Result	Proceed to
MIL illuminates	A
MIL does not illuminate	B

A → REPLACE THROTTLE POSITION SENSOR

B

ES

5 CHECK MIL (POWER STEERING OIL PRESSURE SENSOR)

- (a) Disconnect the P1 power steering oil pressure sensor connector.
- (b) Turn the ignition switch ON.
- (c) Check the MIL.

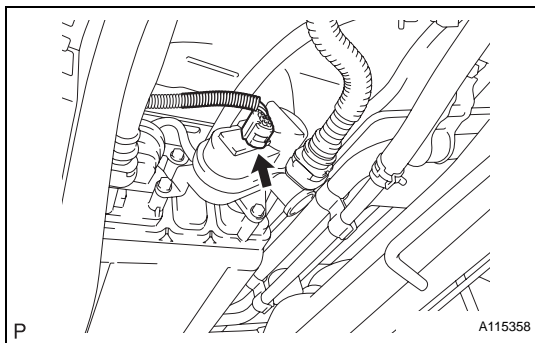
Result

Result	Proceed to
MIL illuminates	A
MIL does not illuminate	B

A → **REPLACE POWER STEERING OIL PRESSURE SENSOR**

B

6 CHECK MIL (CANISTER PUMP MODULE)



- (a) Disconnect the C10 canister pump module connector.
- (b) Turn the ignition switch ON.
- (c) Check the MIL.

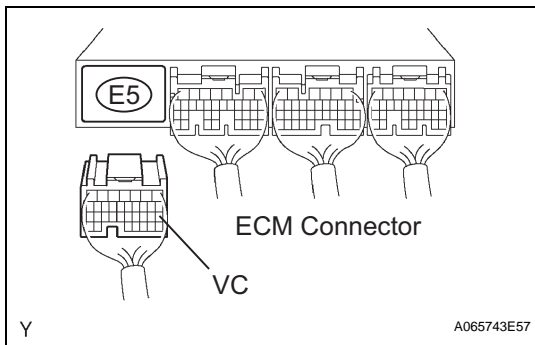
Result

Result	Proceed to
MIL illuminates	A
MIL does not illuminate	B

A → **REPLACE CANISTER**

B

7 CHECK HARNESS AND CONNECTOR



- (a) Disconnect the T1 throttle position sensor connector.
- (b) Disconnect the P1 power steering oil pressure sensor connector.
- (c) Disconnect the C10 canister pump module connector.
- (d) Disconnect the E5 ECM connector.
- (e) Measure the resistance of the wire harness side connector.

Standard resistance (check for short)

Tester Connection	Specified Condition
VC (E5-18) - Body ground	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

REPLACE ECM

ES