

Fuel System Circuit

CIRCUIT DESCRIPTION

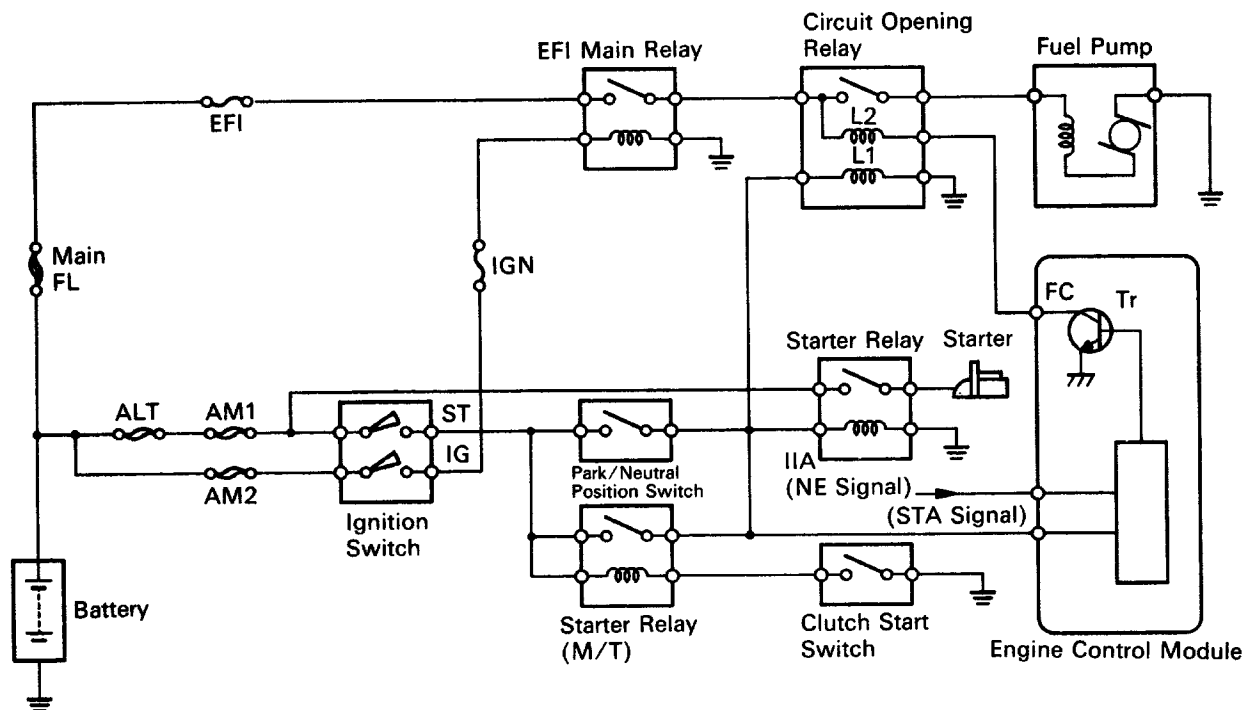
Fuel pump control

The fuel pump is switched on (low voltage at terminal FC) when STA is on or while the NE signal is input to the ECM.

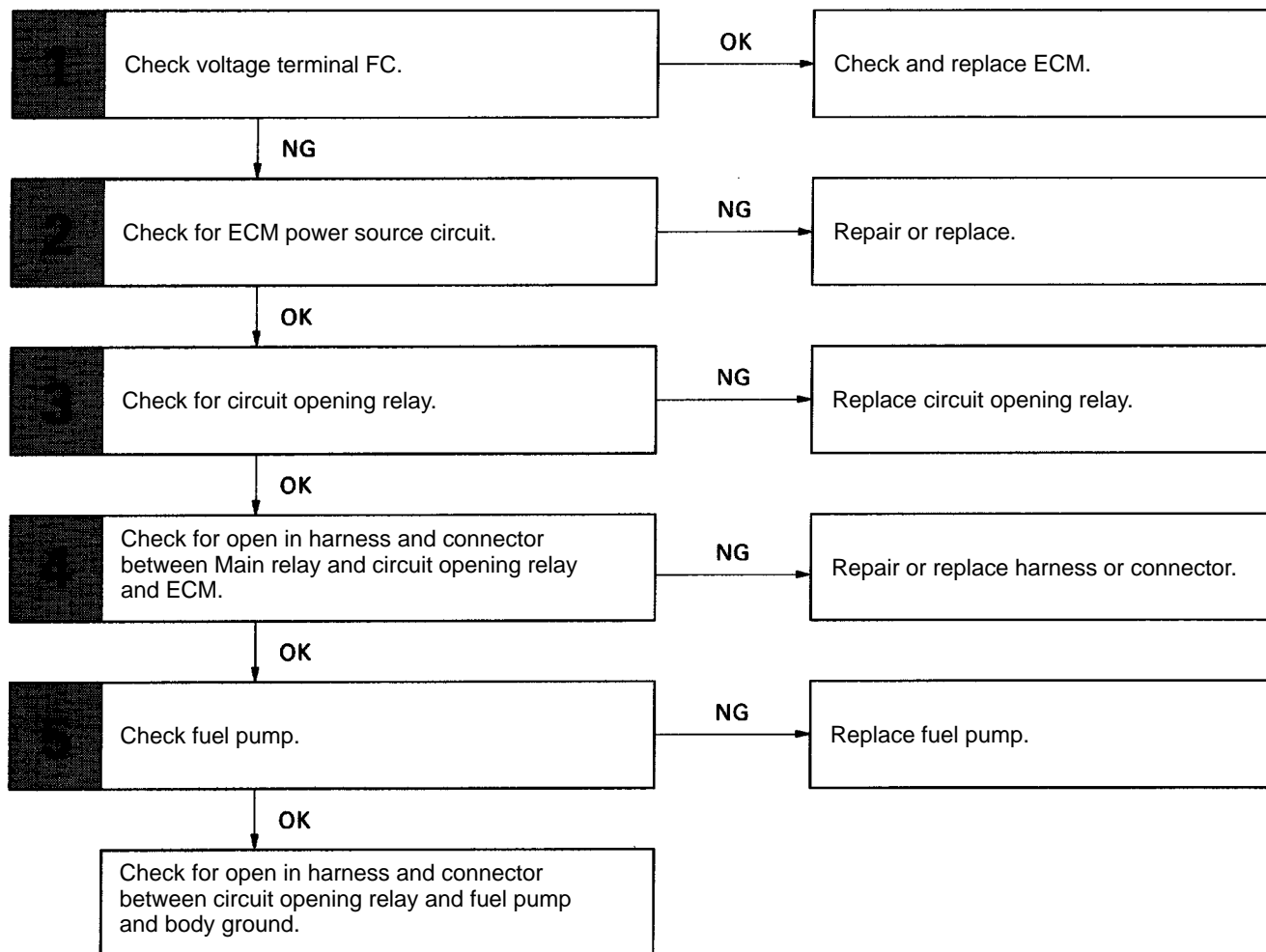
In the diagram below, when the engine is cranked, current flows from terminal ST of the ignition switch to the starter relay coil, the starter relay switches on and current flows to coil L1 of the circuit opening relay. Thus the circuit opening relay switches on, power is supplied to the fuel pump and the fuel pump operates.

When the STA signal and NE signal are input to the ECM, Tr is turned ON, current flows to coil L2 of the circuit opening relay, the relay switches on and the fuel pump operates.

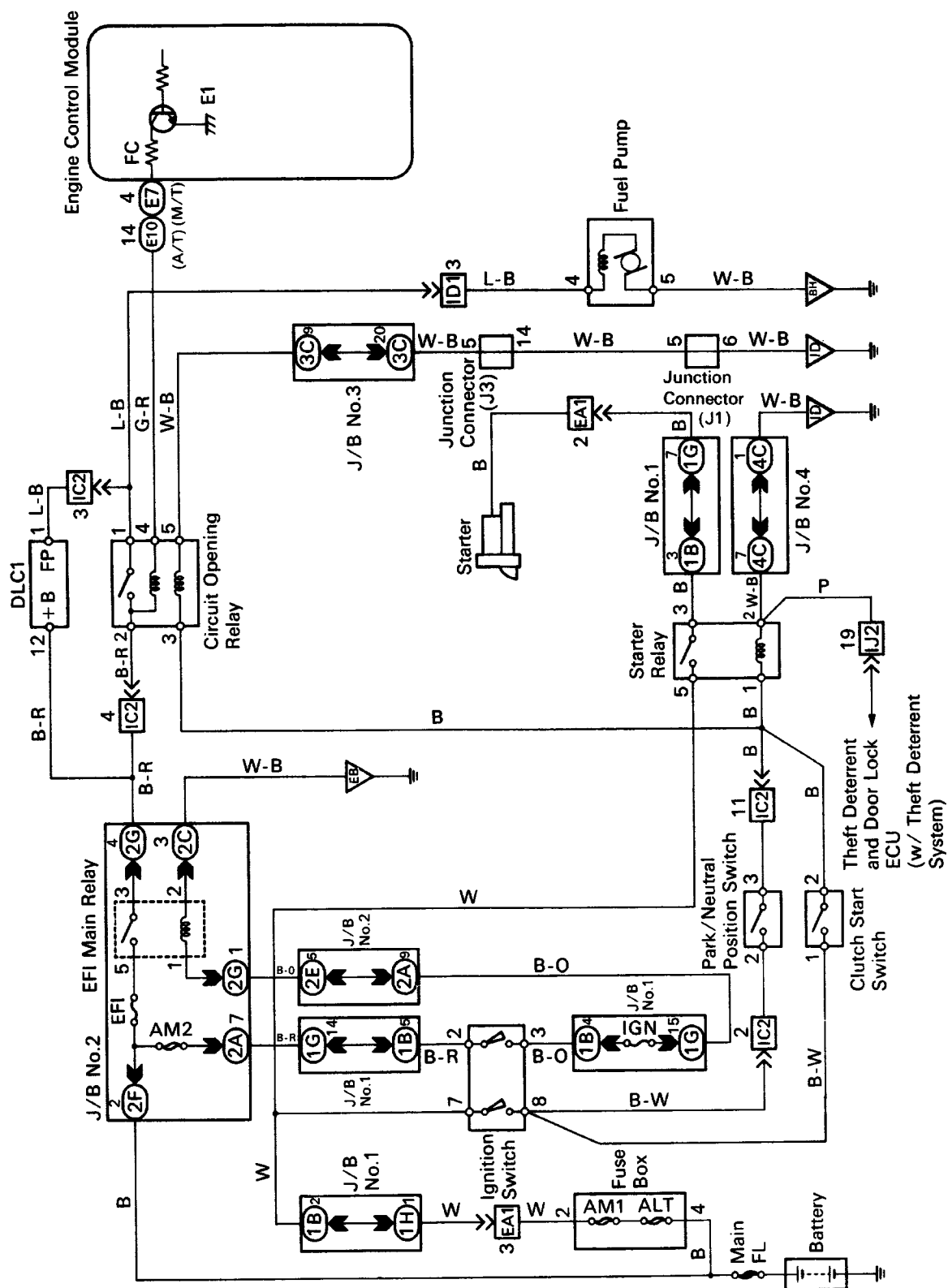
While the NE signal is generated (engine running), the ECM keeps Tr ON (circuit opening relay ON) and the fuel pump also keeps operating.



DIAGNOSTIC CHART



WIRING DIAGRAM

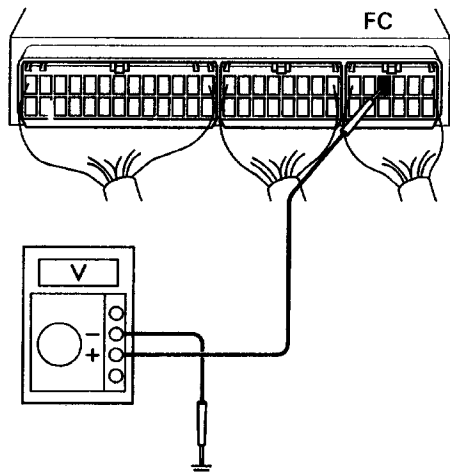


INSPECTION PROCEDURE

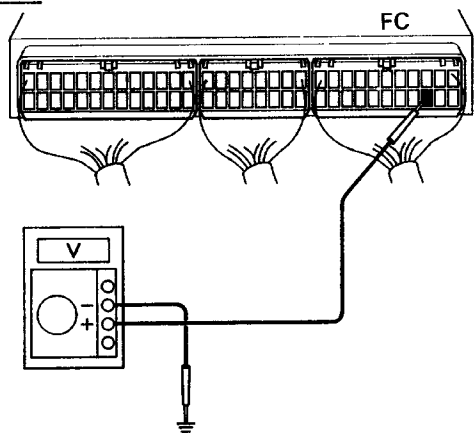
1 Check voltage terminal FC.



for M/T



for A/T



BE6653
FI6735
FI6736

- P** (1) Turn up the floor mat on the passenger side.
(2) Remove the two bolts for engine control module.
(3) Turn ignition switch ON.

C Measure voltage between terminal FC of engine control module connector and body ground.

OK Voltage: 9 - 14 V

NG

OK

Check and replace engine control module.

2

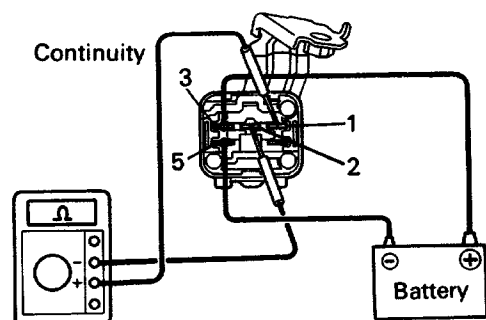
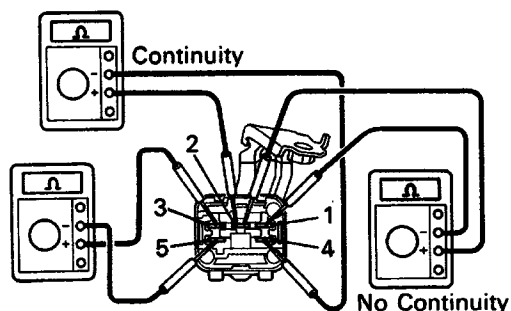
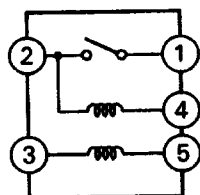
Check for ECM power source circuit (See page [EG-558](#)).

OK

NG

Repair or replace.

Check circuit opening relay.



FI6782
P06249
P06251

OK

- P** (1) Remove center cluster finish lower panel and finish lower center panel.
(2) Remove circuit opening relay.
- C** Check continuity between terminals of circuit opening relay shown below.

OK

Terminals 1 and 2	Open
Terminals 3 and 5	Continuity (Reference value 25Ω)
Terminals 2 and 4	Continuity (Reference value 140Ω)

- C** (1) Apply battery positive voltage between terminals 3 and 5.
(2) Check continuity between terminals 1 and 2.

OK

Terminals 1 and 2	Continuity
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NG Replace circuit opening relay.

4 Check for open in harness and connector between main relay and circuit opening relay, circuit opening relay and engine control module (See page [IN-27](#)).

OK

NG Repair or replace harness or connector.

Check fuel pump (See page [EG-203](#)).

OK

NG Replace fuel pump.

Check for open in harness and connector between circuit opening relay and fuel pump, fuel pump and body ground.

- MEMO -