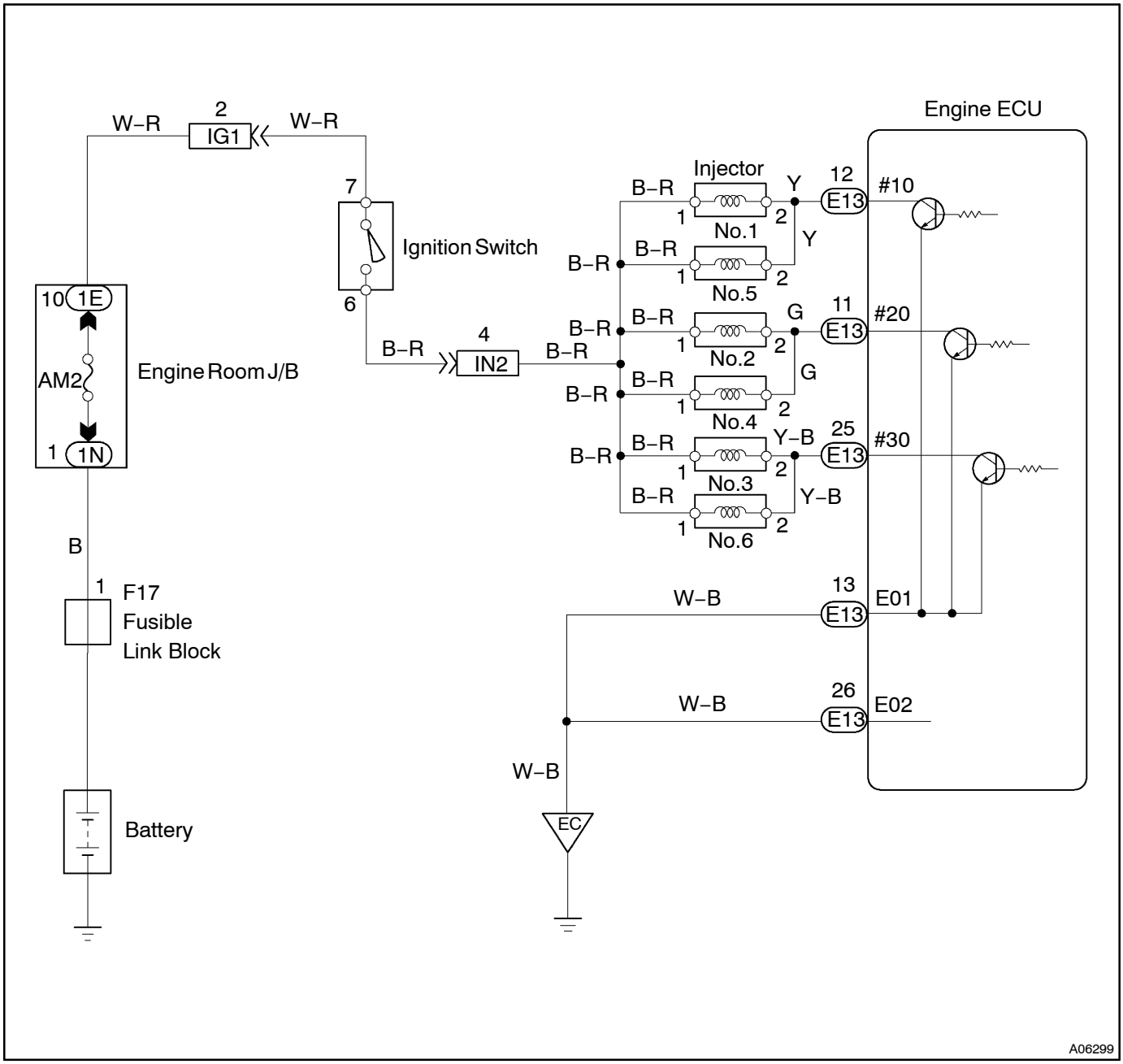
DI1IQ–06

Injector Circuit

CIRCUIT DESCRIPTION

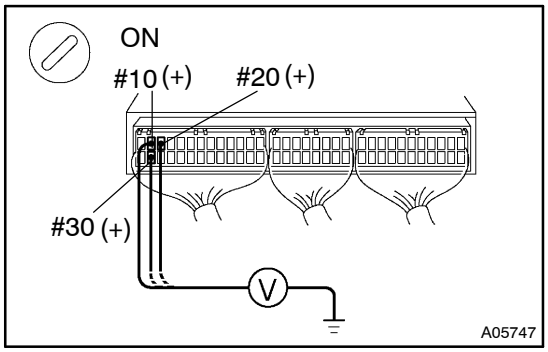
The injectors are located in the intake manifold. They inject fuel into the cylinders based on the signals from the engine ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check voltage between terminals # 10 ~ 30 of engine ECU and body ground.**



PREPARATION:

(a) Remove the glove compartment door.

(b) Turn the ignition switch ON.

CHECK:

Measure voltage between terminals #10 ~ 30 of engine ECU and body ground.

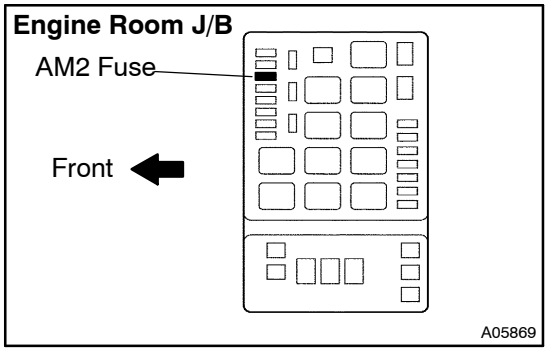
OK:

Voltage: 9 – 14 V

OK	**Go to step 4.**

NG

2	**Check AM2 fuse.**



PREPARATION:

Remove AM2 fuse from engine room J/B.

CHECK:

Check continuity of AM2 fuse.

OK:

Continuity

NG	**Check for short in the harness and all the components connected to AM2 fuse.**

OK

3	Check resistance of injectors (See page FI–21).

NG → Replace injector.

OK →

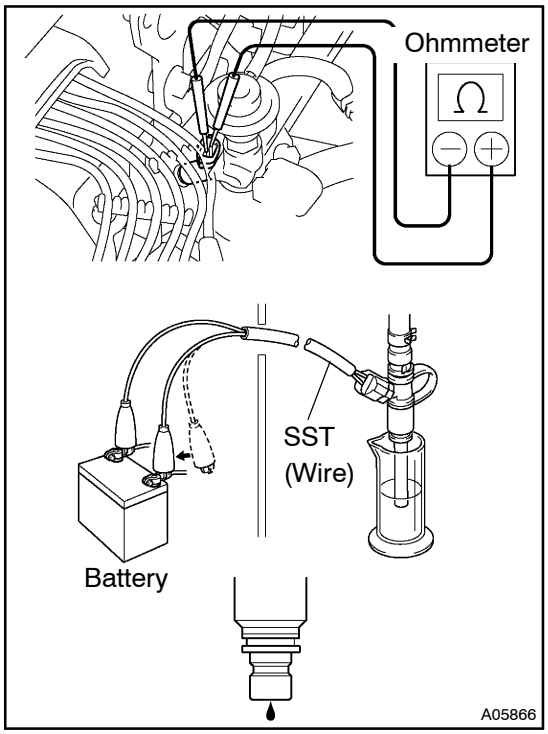
Check and repair harness and connector between engine ECU and battery.

4	Check for open in harness and connector between terminal E01, E02 of engine ECU connector and body ground (See page IN–19).

NG → Repair or replace harness or connector.

OK →

5	Check injectors.



PREPARATION:
Disconnect the injector connectors.
CHECK:
Measure resistance of injectors.
OK:
Resistance: 13.4 – 14.2 Ω at 20°C (68°F)
CHECK:
Check injection volume of injectors.
OK:
Injection volume:
71 – 86 cm^3 (4.3 – 5.2 cu in.)/15 sec.
Difference between each injector:
Less than 13 cm^3 (0.8 cu in.)
Leakage: One drop or less per minute

NG → **Replace injector(s).**

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI–21).