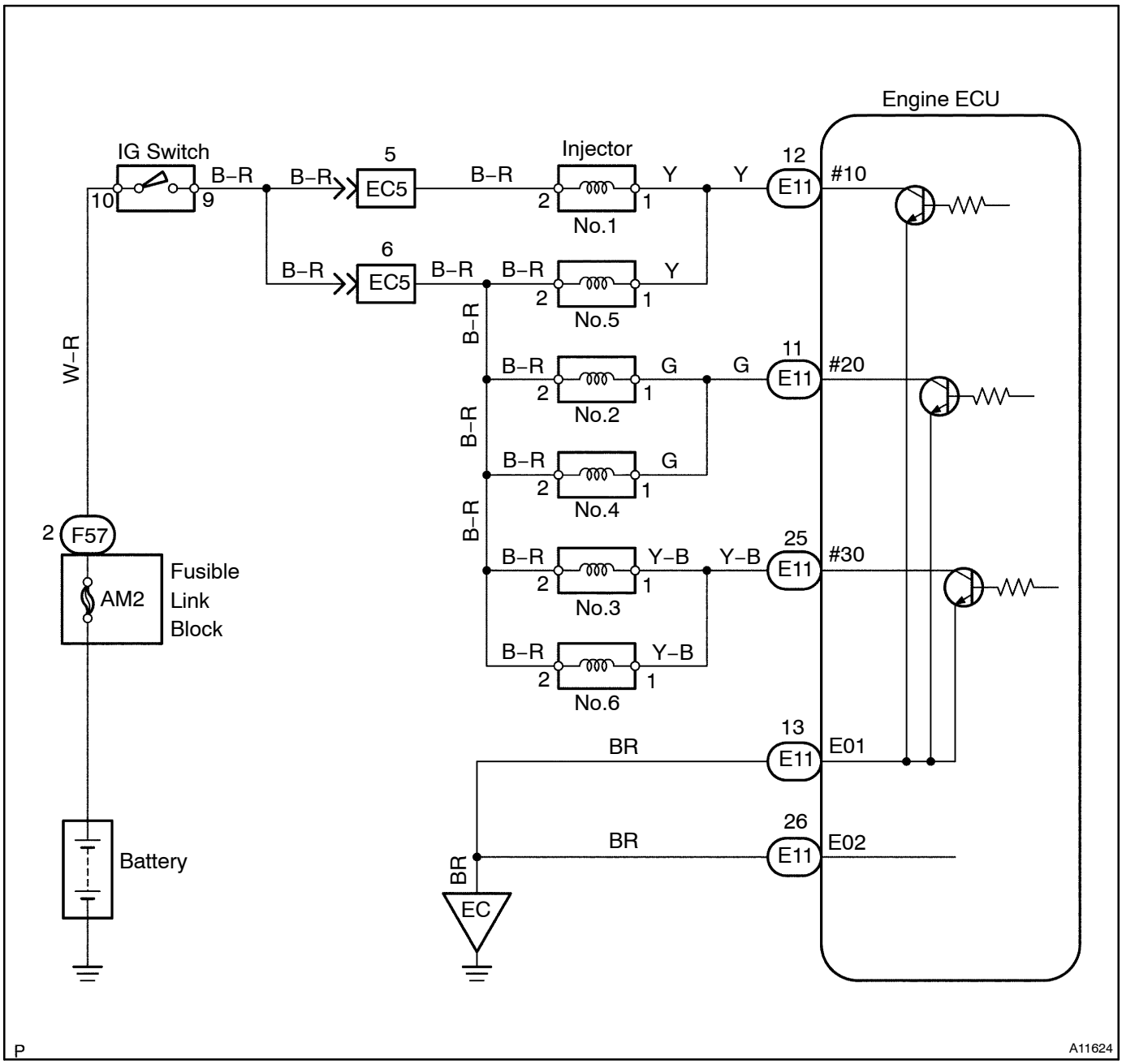
DI75O–02

Injector Circuit

CIRCUIT DESCRIPTION

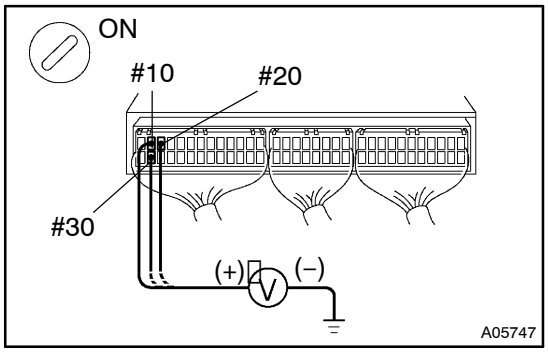
The injectors are located in the intake manifold. They inject fuel into the cylinders based on the signals from the engine ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminals #10 – #30 of engine ECU connector and body ground.



PREPARATION:

(a) Remove the glove compartment (See page IN–19).

(b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminals #10 – #30 of the engine ECU connector and body ground.

OK:

Voltage: 9 – 14 V

OK	Go to step 3.

NG

2	Check resistance of injectors (See page FI–16).

NG	Replace injector.

OK

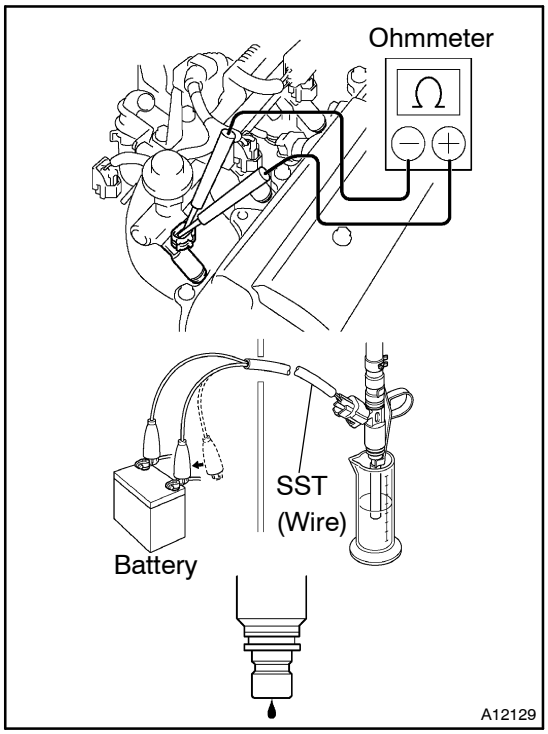
Check and repair harness and connector between engine ECU and battery (See page IN–19).

3	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

4	Check injectors.



PREPARATION:
Disconnect the injector connector.
CHECK:
Measure the resistance of the injector.
OK:
Resistance: 13.4 – 14.2 Ω at 20°C (68°F)
CHECK:
Check the injection volume of the injector.
OK:

Injection volume:
71 – 86 cm^3 (4.3 – 5.3 cu in.)/15 seconds
Difference between each injector:
Less than 15 cm^3 (1.0 cu in.)
Leakage: 1 drop or less per minute

NG → **Replace injector.**

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI–19).