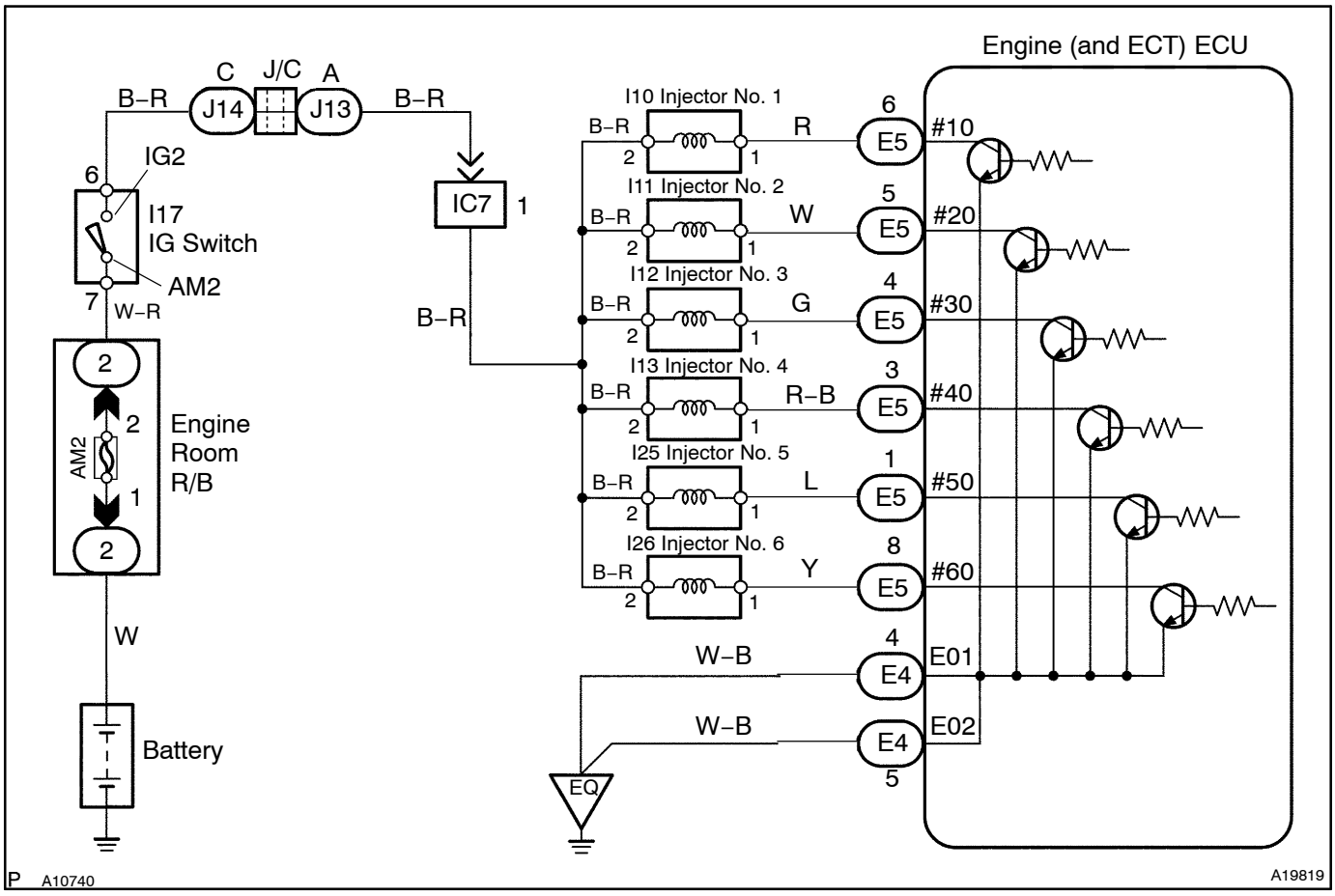
DI9Q7–02

Injector Circuit

CIRCUIT DESCRIPTION

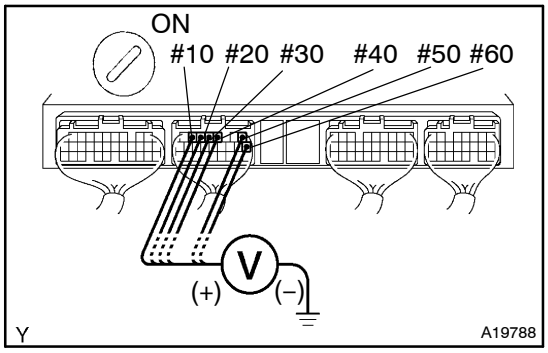
The injectors provide fuel to the intake manifold. They inject fuel into the cylinders based on the signals from the engine (and ECT) ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check #10, #20, #30, #40, #50 and #60 voltage of engine (and ECT) ECU.**



PREPARATION:

(a) Remove the glove compartment door.

(b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminals #10, #20, #30, #40, #50 and #60 of the engine (and ECT) ECU connector and the body ground.

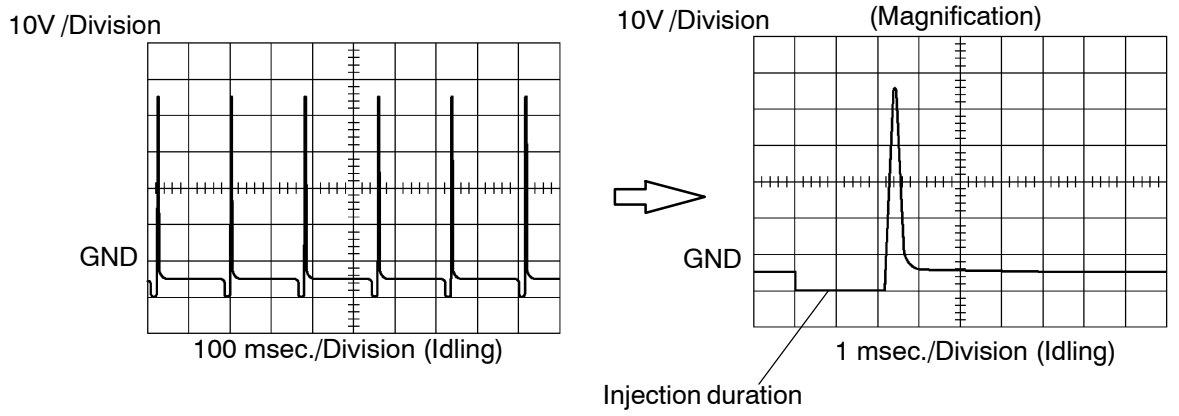
OK:

9 – 14 V

Reference INSPECTION USING OSCILLOSCOPE

With the engine idling, check the waveform between terminals #10 – #60 and E01 of the engine (and ECT) ECU connector.

Injector Signal Waveform



OK	**Go to step 4.**

NG

2	**Check AM2 fuse.**

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

OK

3	Check resistance of injectors (See Pub No. RM519E, page FI–3).

NG → Replace injector.

OK →

Check and repair harness and connector between engine (and ECT) ECU and battery.

4	Check for open in harness and connector between terminal E01 – E03 of engine (and ECT) ECU connector and body ground (See page IN–20).

NG → Repair or replace harness or connector.

OK →

5	Check injector injection (See Pub No. RM519E, page FI–3).

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

NG →

Replace injector(s).