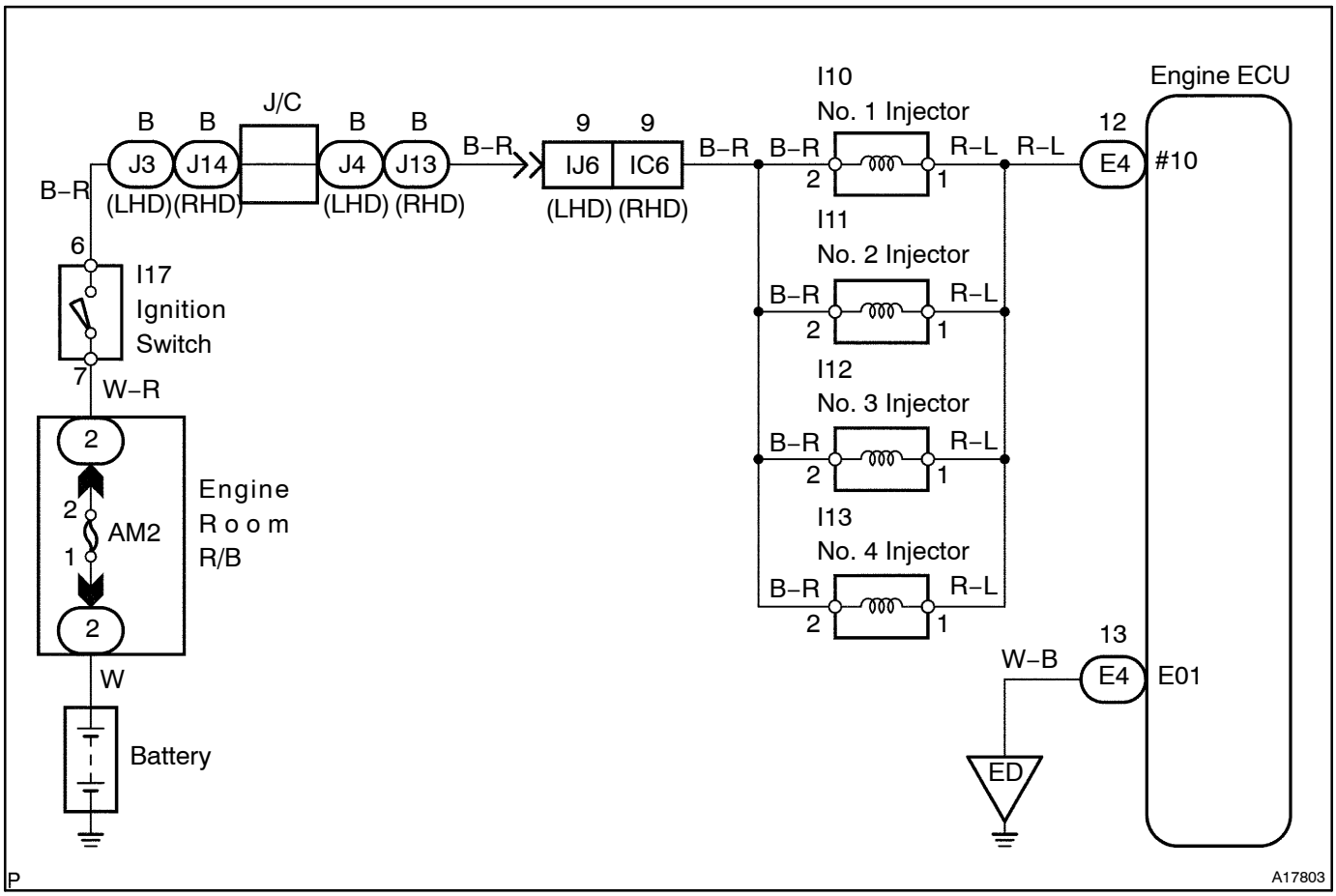
Injector Circuit

CIRCUIT DESCRIPTION

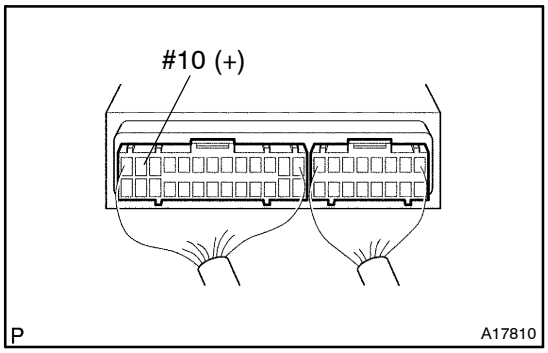
The injectors are located in the intake manifold. They inject fuel into the cylinders based on the signals from the engine ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

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



PREPARATION:

(a) Remove the glove compartment.

(b) Turn the ignition switch ON.

CHECK:

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

OK:

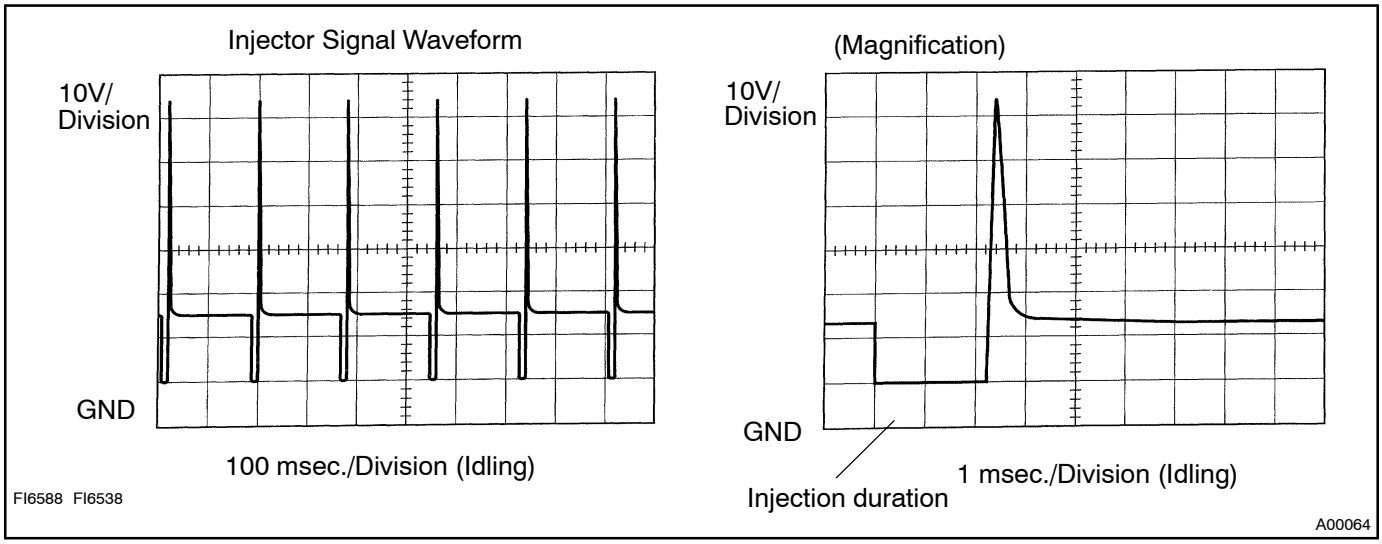
Voltage: 9 – 14 V

Reference: INSPECTION USING OSCILLOSCOPE

With the engine idling, check the waveform between terminals #10 – #40 and E01 of the ECM connector.

HINT:

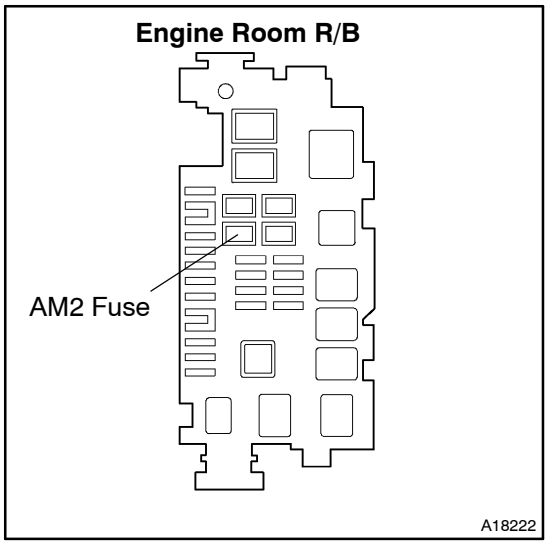
The correct waveform is as shown.



OK	**Go to step 4.**

NG

2	**Check AM2 fuse.**



PREPARATION:

Remove the AM2 fuse from the engine room R/B.

CHECK:

Check the continuity of the AM2 fuse.

OK:

Continuity

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

OK

3	Check resistance of injectors (See Pub. No. RM584E).

NG → Replace injector.

OK →

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

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

NG → Repair or replace harness or connector.

OK →

5	Check injector injection (See Pub. No. RM584E).

NG → Replace injector.

OK →

Proceed to next circuit inspection shown on problem symptoms table (See page DI–178).