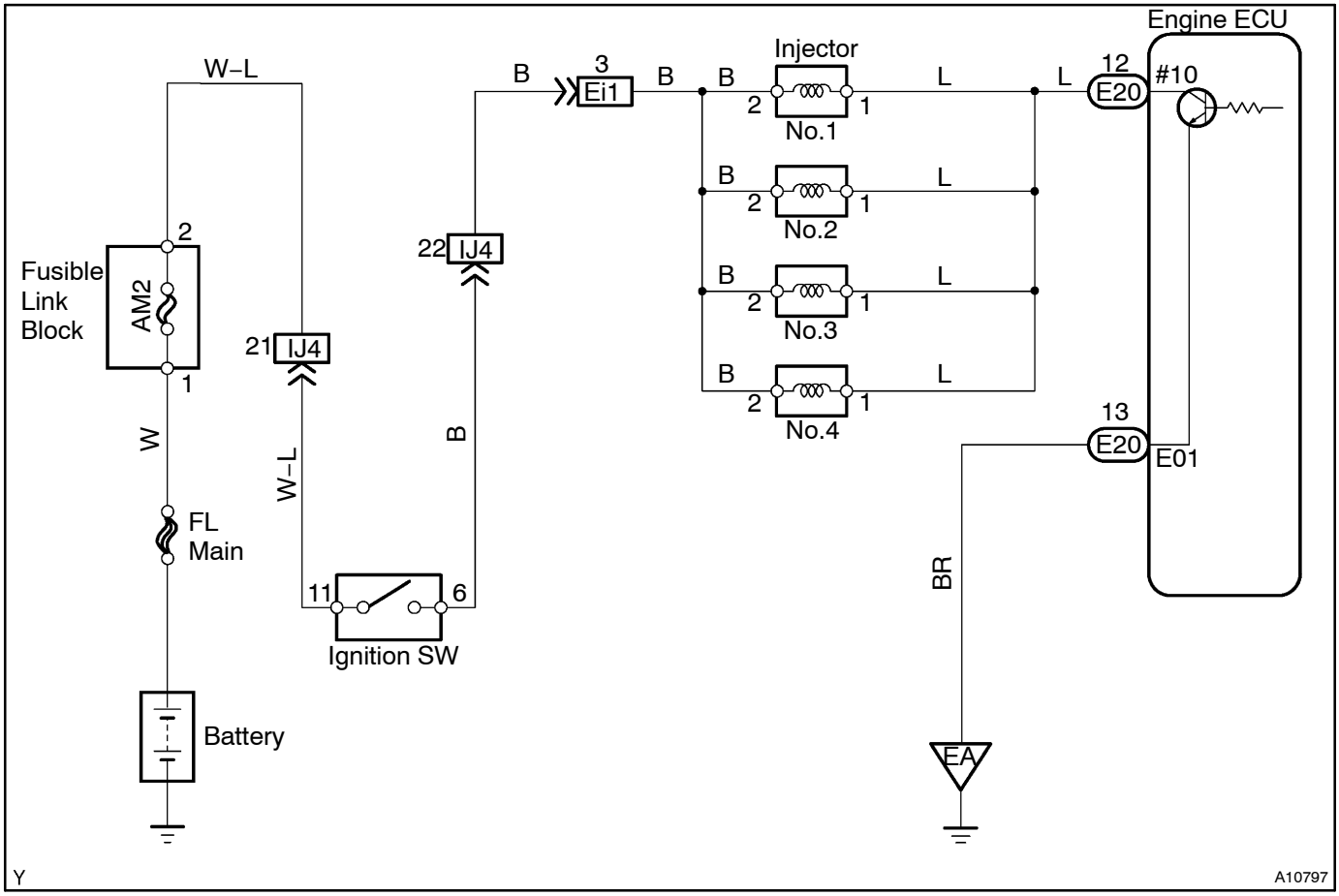
DI6JK–01

Injector Circuit

CIRCUIT DESCRIPTION

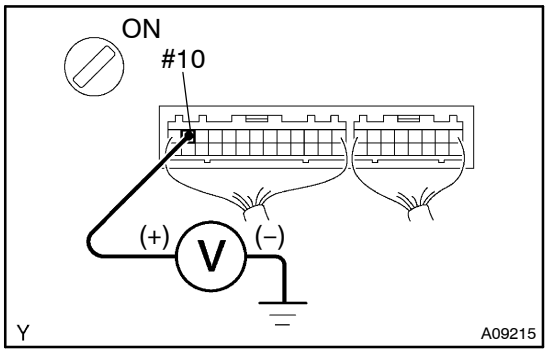
The injectors are located in the intake manifold. They inject fuel into the cylinders based on the signals from the engine ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

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



PREPARATION:

(a) Disconnect the engine ECU from the body bracket (See page FI–36).

(b) Turn the ignition switch ON.

CHECK:

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

OK:

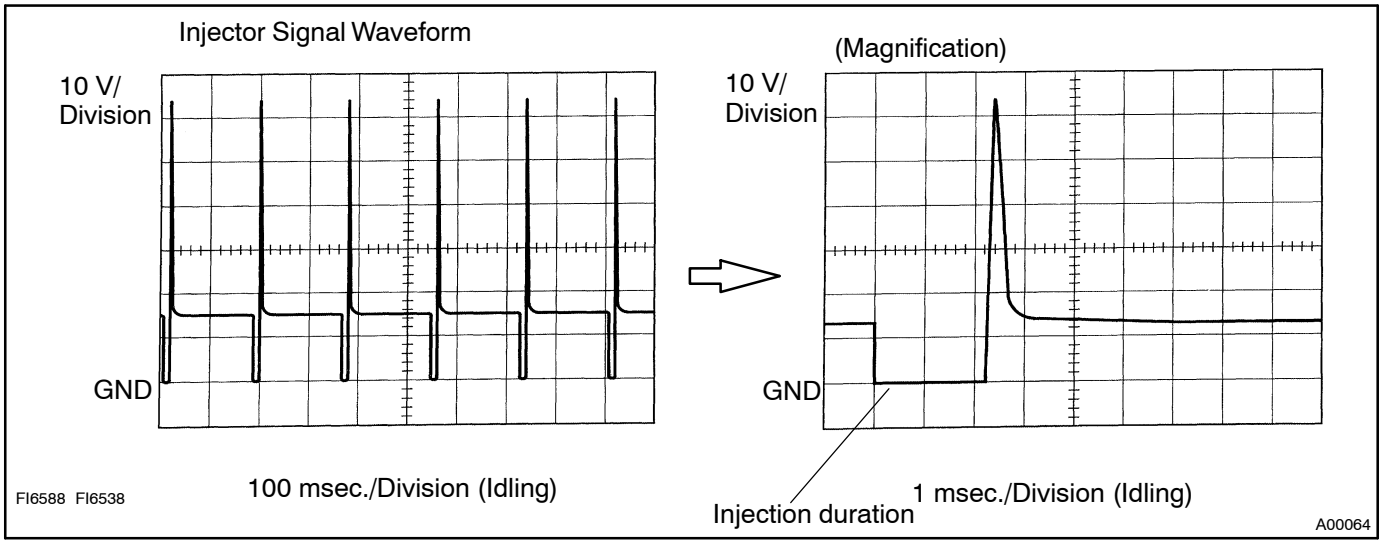
Voltage: 9 – 14 V

Reference: INSPECTION USING OSCILLOSCOPE

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

HINT:

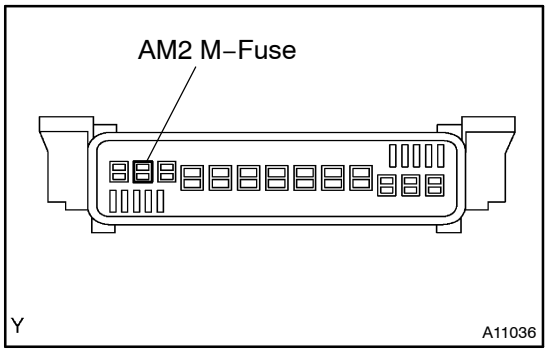
The correct waveforms are as shown.



OK	**Go to step 4.**

NG

2	**Check AM2 M–fuse.**



PREPARATION:

Remove the AM2 M–fuse from the fusible link block.

CHECK:

Check the continuity of the AM2 M–fuse.

OK:

Continuity

NG	**Check for short in harness and all components connected to AM2 M–fuse (See page IN–19).**

OK

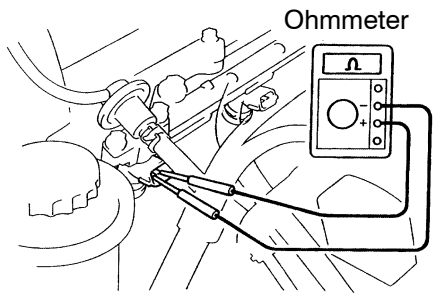
Check and repair harness and connector between engine ECU and battery (See page IN–19).

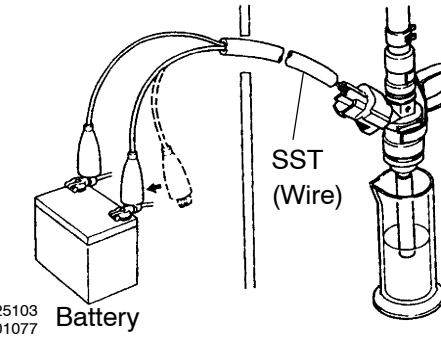
3	**Check for open in harness and connector between terminal E01 of engine ECU and body ground (See page IN–19).**

NG → **Repair or replace harness or connector.**

OK

4	**Check injectors.**





P25103
P01077
A02353

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**
  64 – 77 cm^3/15 sec. (3.9 – 4.7 cu in./15 sec.)
  Difference between each injector:
  Less than 13 cm^3 (0.3 cu in.)
- **Leakage**
  Fuel drop: 1 drop or less per 12 minutes

NG → **Replace injector.**

OK

Check and replace engine ECU
(See page IN–19).