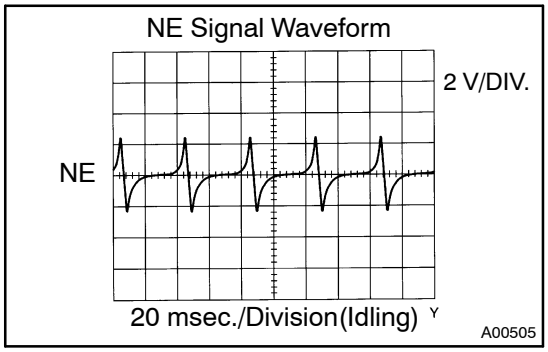
DI1IK–08

DTC	P0335/12, 13	NE Signal Circuit Malfunction

CIRCUIT DESCRIPTION

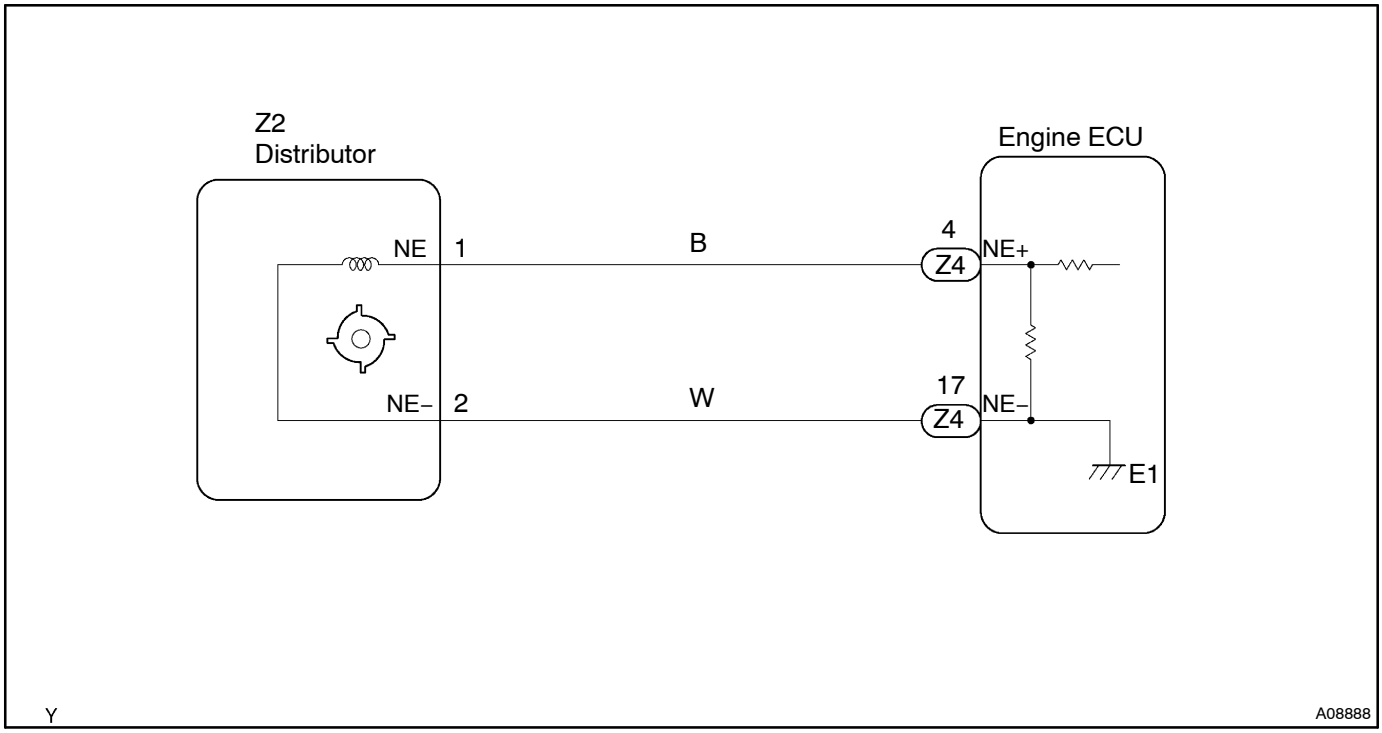
The distributor in the engine control system contains a pickup coil for NE signal.
The NE signal plate has 4 teeth on its outer circumference. The NE signal sensor generates 4 signals for every engine revolution. The engine ECU detects the engine speed by the NE signal.

DTC No.	DTC Detection Condition	Trouble Area
P0335/12, 13	No NE signal to ECU during cranking	• Open or short in NE circuit • Distributor • Engine ECU
	No NE signal to ECU for 2.0 sec. or more at 1,500 rpm or more.	



Reference: INSPECTION USING OSCILLOSCOPE
During cranking or idling, check the waveform between terminals NE+ and NE– of the engine ECU connector.
HINT:
The correct waveform is as shown.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check resistance of pickup coil in distributor (See page IG–1).

NG → Replace distributor housing assembly.

OK

2	Check for open and short in harness and connector between engine ECU and distributor (See page IN–20).

NG → Repair or replace harness or connector.

OK

3	Check air gap (See page IG–1).

NG → Replace distributor housing assembly.

OK

Check and replace engine ECU (See page IN–20).