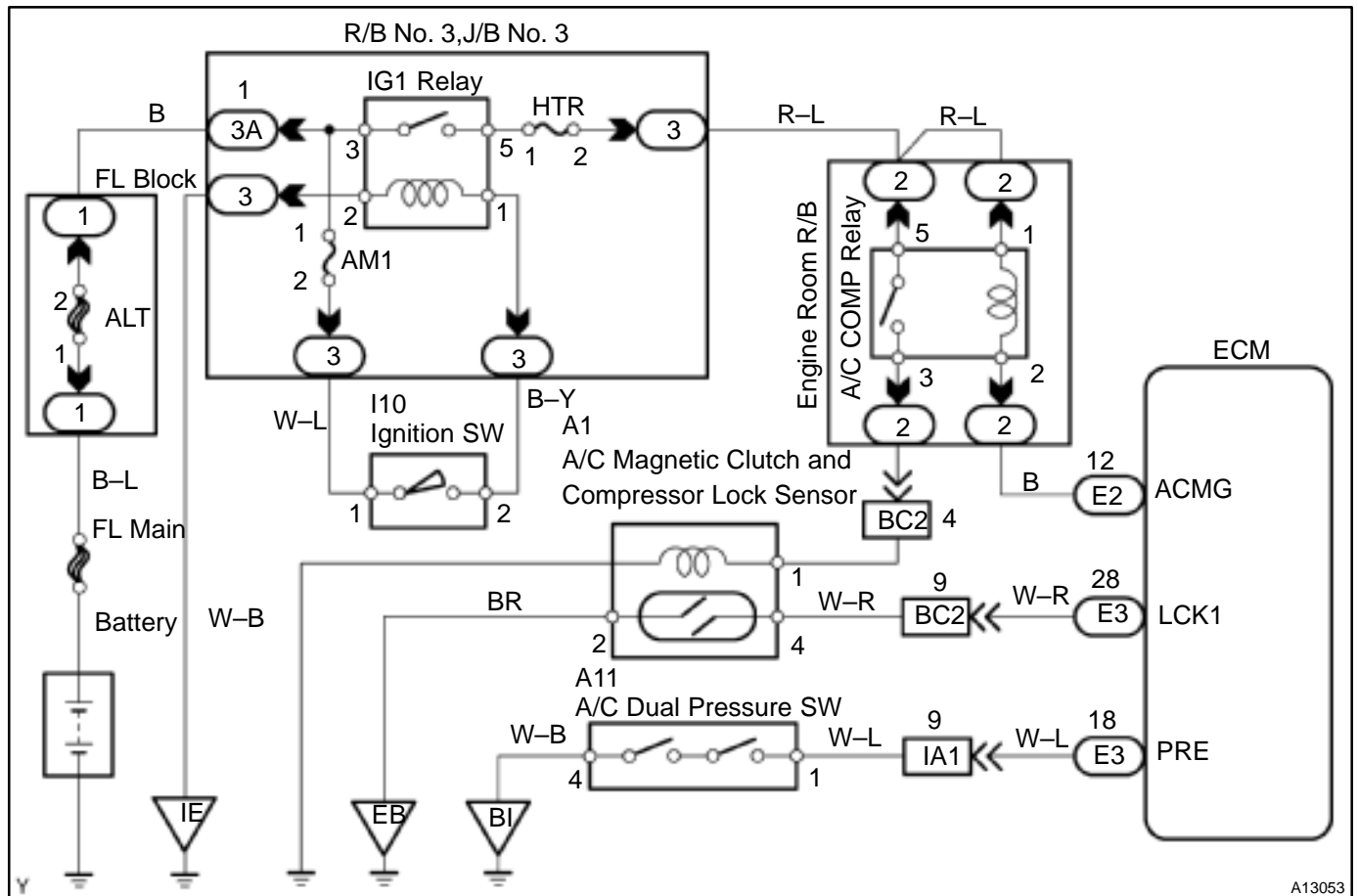


A/C Compressor Circuit

CIRCUIT DESCRIPTION

This sensor sends 1 pulse per engine revolution to the ECM. If the number ratio of the compressor speed divided by the engine speed is smaller than a predetermined value, the ECM turns the compressor off. And, the indicator flashes at about 1 second interval.

WIRING DIAGRAM



INSPECTION PROCEDURE

- 1 Check A/C compressor.

PREPARATION:

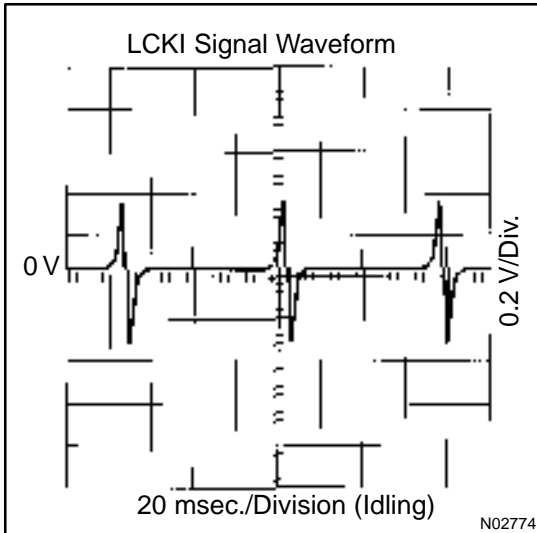
- (a) Check the tension of the compressor drive belt (See page AC-16).
- (b) Check if the compressor does not lock during operation with the engine started, and the blower switch and A/C switch ON.

NG

Adjust drive belt tension or repair compressor (See page AC-16).

OK

2 Check A/C compressor lock sensor (See page [AC-46](#)).



Reference: INSPECTION USING OSCILLOSCOPE

During cranking or idling, check the waveform between terminals LCKI and E1 of the ECM connector.

HINT:

The correct waveform appears as shown.

NG

Replace compressor lock sensor
(See page [AC-47](#)).

OK

3 Check magnetic clutch relay (Marking: A/C COMP) (See page [AC-71](#)).

NG

Replace magnetic clutch relay
(See page [AC-47](#)).

OK

4 Check harness and connector between A/C compressor lock sensor and ECM
(See page [IN-28](#)).

NG

Repair or replace harness or connector.

OK

Check and replace ECM (See page [IN-28](#)).