

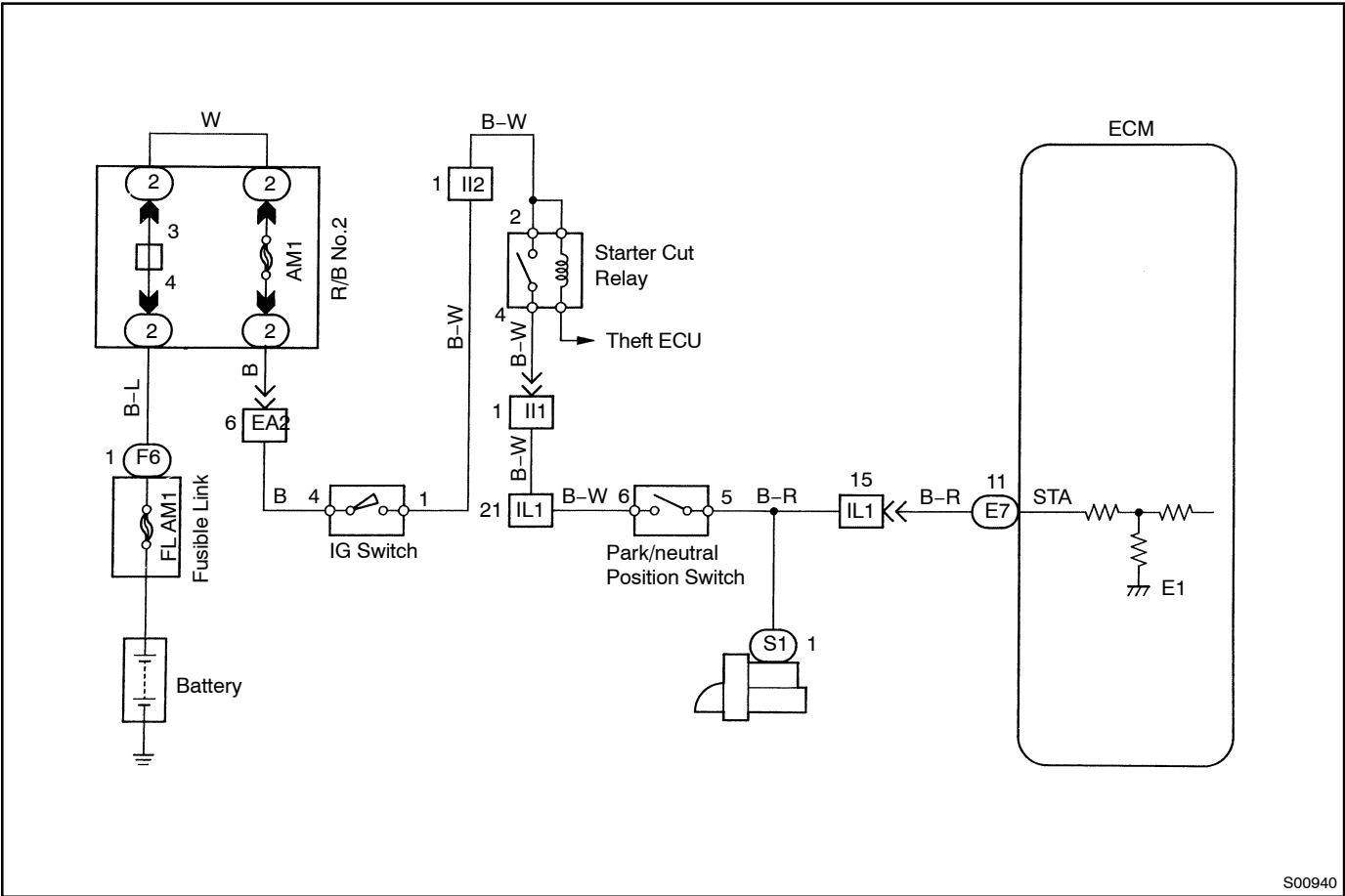
DTC	P1500	Starter Signal Circuit
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CIRCUIT DESCRIPTION

When the engine is cranked, the intake air flow is slow, so fuel vaporization is poor. A rich mixture is therefore necessary in order to achieve good startability. While the engine is being cranked, the battery positive voltage is applied to terminal STA of the ECM. The starter signal is mainly used to increase the fuel injection volume for the starting injection control and after-start injection control.

DTC No.	DTC Detection Condition	Trouble Area
P1500	No starter signal to ECM	• Open or short in starter signal circuit • ECM

WIRING DIAGRAM



S00940

INSPECTION PROCEDURE

HINT:

This diagnostic chart is based on the premise that the engine is cranked normally. If the engine is not cranked, proceed to the problem symptoms table on page [DI-20](#).

1	Connect LEXUS hand-held tester and check STA signal.
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PREPARATION:

- (a) Remove the fuse cover on the instrument panel.
- (b) Connect the LEXUS hand-held tester to the DLC3.
- (c) Turn the ignition switch ON and push the LEXUS hand-held tester main switch ON.

CHECK:

Read the STA signal on the LEXUS hand-held tester while starter operates.

OK:

Ignition Switch Position	ON	START
STA signal	OFF	ON

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-20](#)).

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2	Check for open in harness and connector between ECM and starter relay (Marking: STARTER) (See page IN-27).
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Repair or replace harness or connector.

OK

Check and replace ECM (See page [IN-27](#)).