

CIRCUIT DESCRIPTION

WIRING DIAGRAM



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-23](#).

LEXUS hand-held tester

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

- (a) Connect the LEXUS hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and push the LEXUS hand-held tester main switch ON.

CHECK:

Read 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-23](#)).

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2	Check for open in harness and connector between ECM and starter relay (Marking: STARTER) (See page IN-34).
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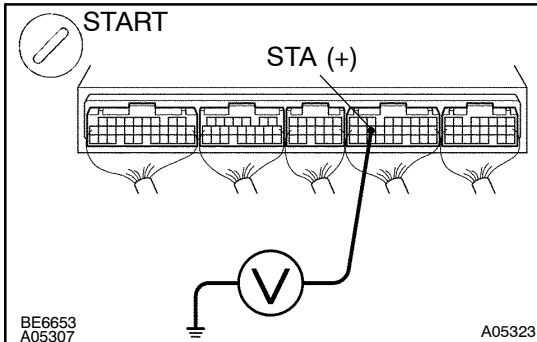
Repair or replace harness or connector.

OK

Check and replace ECM (See page [IN-34](#)).

OBD II scan tool (excluding LEXUS hand-held tester)

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|----------|---|
| 1 | Check voltage between terminal STA of ECM connector and body ground. |
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**PREPARATION:**

- (a) Remove the glove compartment door.
- (b) Turn the ignition switch ON.

CHECK:

Measure voltage between terminal STA of the ECM connector and body ground, during engine cranking.

OK:

Voltage: 6 V or more

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-23](#)).

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- | | |
|----------|---|
| 2 | Check for open in harness and connector between ECM and starter relay (Marking: STARTER) (See page IN-34). |
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Repair or replace harness or connector.

OK

Check and replace ECM (See page [IN-34](#)).