

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-21](#) .

TOYOTA hand-held tester:

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

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

CHECK:

Read the STA signal on the TOYOTA hand-held tester while the 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-21](#)).

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2	Check for open in harness and connector between ECM and starter relay (Marking: ST) (See page IN-28).
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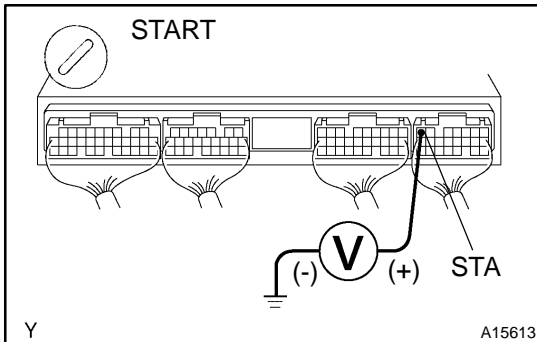
Repair or replace harness or connector.

OK

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

OBD^{II} scan tool (excluding TOYOTA hand-held tester):

1 Check voltage between terminal STA of ECM connector and body ground.

**PREPARATION:**

Remove the glove compartment (See page [SF-49](#)).

CHECK:

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

OK:

Voltage: 6.0 V or more

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-21](#)).

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2 Check for open in harness and connector between ECM and starter relay (Marking: ST) (See page [IN-28](#)).

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Repair or replace harness or connector.

OK

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