

DTC	P0403	Exhaust Gas Recirculation Circuit Malfunction
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CIRCUIT DESCRIPTION

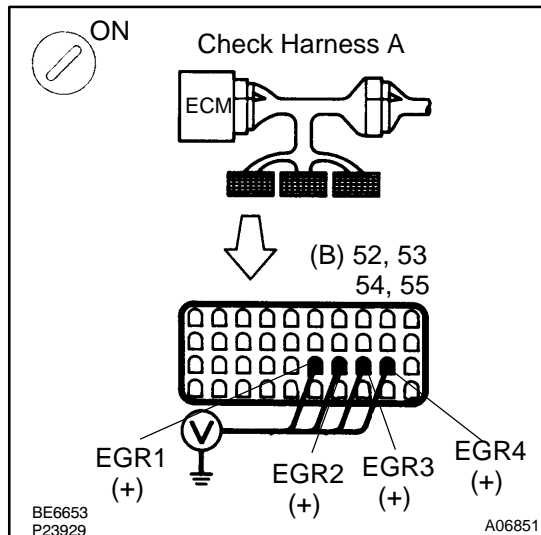
Refer to DTC P0401 Exhaust Gas Recirculation Flow Insufficient Detected on page [DI-219](#).

DTC No.	DTC Detecting Condition	Trouble Area
P0403	Open or short in EGR step motor circuit	<ul style="list-style-type: none"> • Open or short in EGR step motor circuit • EGR valve • ECM

See DTC P0401 for System Check Driving Pattern and Wiring Diagram.

INSPECTION PROCEDURE

1	Check voltage between terminal EGR 1 – 4 of ECM and body ground.
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PREPARATION:

- Connect the Check Harness A.
- Turn ignition switch ON.

CHECK:

Measure voltage between terminals EGR 1 ~ 4 of ECM and body ground.

OK:

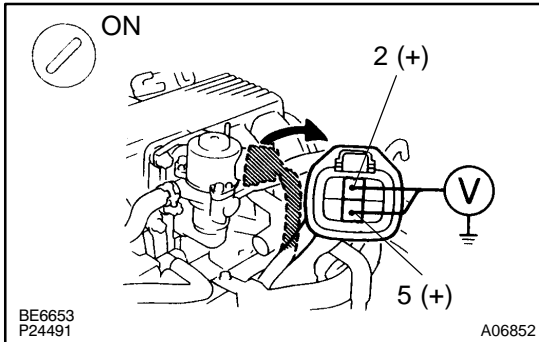
Voltage: 9 – 14 V

OK

Go to step 3.

NG

2 Check voltage between terminals 5 and 2 of EGR valve connector and body ground.



PREPARATION:

- (a) Disconnect EGR valve connector.
- (b) Turn ignition switch ON.

CHECK:

Measure voltage between terminals 5 and 2 of EGR valve connector and body ground.

OK:

Voltage: 9 – 14 V

NG

Check for open and short in harness and connector between battery and EGR valve (See page [IN-29](#)).

OK

3 Check resistance of EGR valve (See page EC-11).

NG

Replace EGR valve.

OK

4 Check for open and short in harness and connector between EGR valve and ECM (See page [IN-29](#)).

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Repair or replace harness or connector.

OK

Check and replace ECM (See page [IN-29](#)).