

<b>DTC</b>	<b>P0AA4/232</b>	<b>HYBRID BATTERY NEGATIVE CONTACTOR CIRCUIT STUCK CLOSED</b>
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## CIRCUIT DESCRIPTION

Refer to DTC P0AA1 (INF 224) on page [05-760](#).

DTC No.	INF Code	DTC Detection Condition	Trouble Area
P0AA4	232	System main relay terminal of HV battery negative side stuck closed	• System main relay No. 3

## MONITOR DESCRIPTION

The HV control ECU monitors the system main relay No. 3, because shutting off the high-voltage system might be impossible if the relay terminal becomes stuck. If the HV control ECU detects that the relay terminal has stuck closed, it illuminates the MIL and sets a DTC.

## MONITOR STRATEGY

Related DTCs	P0AA4 (INF 232): SMR circuit/ "–" side stuck
Required sensor/components	System main relay No.3
Frequency of operation	Continuous
Duration	TOYOTA's intellectual property
MIL operation	Immediately
Sequence of operation	None

## TYPICAL ENABLING CONDITIONS

The monitor will run whenever the following DTCs are not present	TOYOTA's intellectual property
Other conditions belong to TOYOTA's intellectual property	–

## TYPICAL MALFUNCTION THRESHOLDS

System main relay No. 3	Stuck closed
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## COMPONENT OPERATING RANGE

System main relay No. 3	DTC P0AA4 (INF 232) is not detected
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## INSPECTION PROCEDURE

If the information (INF) code is present, replace the system main relay No. 3.

<b>REPLACE SYSTEM MAIN RELAY NO. 3 (See page <a href="#">21-90</a>)</b>
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