

DTC	B2402	TRANSISTOR RELAY OVERLOAD MALFUNCTION
------------	--------------	--

DTC	B2403	TRANSISTOR RELAY OVERHEAT MALFUNCTION
------------	--------------	--

CIRCUIT DESCRIPTION

The electric current flowing in the transistor inside the J/B is examined by the ECU.

When an excessive current is detected, DTC B2402 is output.

When overheating occurs prior to an excessive current, the ECU cuts off the current in the transistor to prevent it from being damaged and outputs DTC B2403.

Normally, turning off the ignition switch clears DTC.

However, if an excessive current is detected frequently (9 times or more), DTC may not be cleared.

When this happens, disconnect the negative (-) lead from the battery to clear DTC.

DTC No.	DTC Detecting Condition	Trouble Area
B2402	Transistor relay overload malfunction	<ul style="list-style-type: none"> • Luggage room junction block ECU • Wire harness or connector
B2403	Transistor relay overheat malfunction	<ul style="list-style-type: none"> • Luggage room junction block ECU • Wire harness or connector

HINT:

When "B2403" is output, "B2402" is also output.

INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II
----------	--

- Connect the intelligent tester II to the DLC3.
- Turn the ignition switch to the ON position and press the intelligent tester II main switch on.
- Select the items below in the DATA LIST, and read the displays on the intelligent tester II.

BODY NO.4 (LUGGAGE ROOM JUNCTION BLOCK):

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
Tail Light Tr	Tail light Tr/ OK or BREAK	OK	-
Rear Fog Light Tr	Rear fog light Tr/ OK or BREAK	OK	w/ Rear fog
Stop Light Tr	Stop light Tr/ OK or BREAK	OK	-
High Mount Stop Light Tr	High mount stop/ OK or BREAK	OK	-
Back-up Light Tr	Back-up light Tr/ OK or BREAK	OK	-

OK: Condition sign can be displayed.

NG

Go to step 2

OK

NORMAL OPERATION. NOT A MALFUNCTION

2

CHECK HARNESS AND CONNECTOR (LUGGAGE ROOM JUNCTION BLOCK, ECU AND LIGHT IN WHICH AN ERROR IS DETECTED AT ABOVE STEP)

(a) Inspect each circuit in the table below.

Suspected Area	See Page
Taillamp	05-1478
Rear fog lamp	05-1493
Stop lamp	05-1493
Hi-mounted stop lamp	05-1493
Back-up lamp	05-1504

NG

REPAIR OR CONNECTORREPLACE HARNESS OR

OK

REPLACE LUGGAGE ROOM JUNCTION BLOCK ASSY