

Troubleshooting: DCU1_a000_tluCurrentLow - VH6.B3/B4

This procedure explains how to troubleshoot this Door Control Unit (DCU) diagnostic fault *DCU1_a000_tluCurrentLow*, when 1x top **DOOR LATCH**, **UPR ASM** (P00003764-01-AA) current is low.

Fault Description

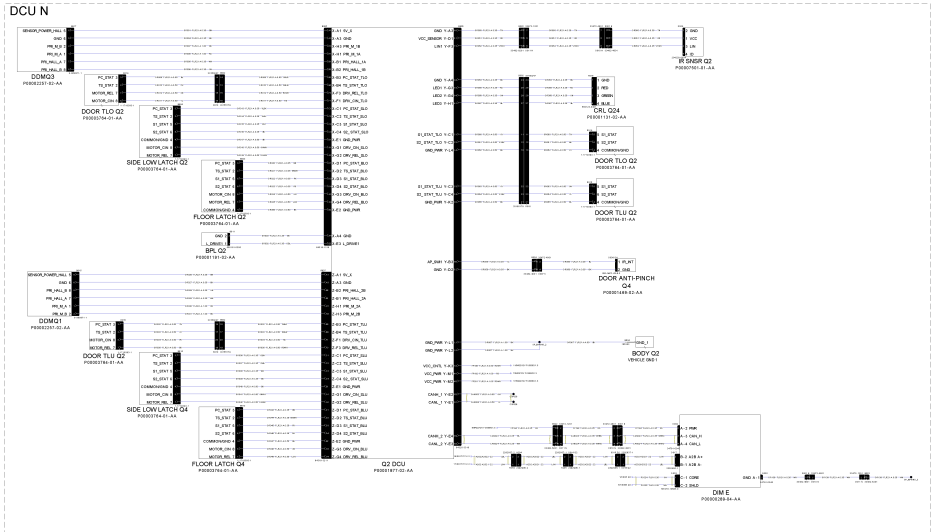
BaseOps Fault ID	Supplier Fault ID	Fault Name	Fault Description
03D09E	a000	DCU1_a000_tluCurrentLow	1x DOOR LATCH , UPR ASM current is low.

Reference

Source	Severity
DCU1	Alert

Circuit/System Description: The door latch consist of a DC motor and 5 switches. It electrically releases and cinches via a single motor/lever output.

Wiring Diagram: DCU1



Electrical Component Connector Pinout: N/A

Special Tools

Tool Name
N/A

Setting Criteria

- 1. Cinch/Release Motors, Current is (<0.1A.).
- 2. Set Debouncing Time is 500ms.

Clearing Criteria

Note: DCU Mode State Requires Another 10s to Transition From 'Fault' to 'Operation' State.

After the First trigger **DCU1_a000_tluCurrentLow** Self-Clears in 500ms.

Failsoft Actions

1x DCU goes to Faulted Mode.

Diagnostic Procedure

1. Verify the Following for **DCU1_a000_tluCurrentLow**:
- a. No other faults in 1x**DCU1**.

b. **CAN Signal DCU1_tluLastTransition** is requested.

[Firefly User Manual - VH6 Fleet-Wide](#)

2. Inspect 1x **Latch, Door Asm** Circuit and Verify there is NO:
- o Burnt/melted plastic

o Damaged Terminal Pins

o Loose connectors

o Recessed Terminal Pins
3. **Note:** Always Disconnect Harness, Asm Connectors When Resistance is Measured.

Measure the Circuit Resistance for 1x **Door Latch, Upr Asm**:

Table 1. **DCU1**

Latch, Door, CDR	To	DCU CDR
(R015), Pin 4	To	(B906), Pin K2
(R015), Pin 7	To	(B907), Pin F3
(R015), Pin 8	To	(B907), Pin F1

4. If the Resistance is:
- o (>0 Ohms), Repair 1x **Harness, Body Asm** and or 1x **Harness, Roof Asm**

o (0 Ohms), Replace 1x **Latch, Door Asm** (P00003764-01-AA)
- [Replacement: Door Latch, Upper, Angled \(P00003765-01\) - VH6.B3](#)
- ## Remove/Replace Procedure Links
- Procedures

[Firefly User Manual - VH6 Fleet-Wide](#)

[Replacement: Door Latch, Upper, Angled \(P00003765-01\) - VH6.B3](#)
- https://botechpubs.zooxlabs.com/VH6/VH6-Troubleshooting/VH6-Door-T/VH6B-DCU1_a000_tluCurrentLow.html
- 2/3

Repair Verification Steps

The Doors Release and Open and the Doors Close and Cinch.

Revision History

Version	Description	JIRA	Date
1	Initial release.	BD-1669	November 15, 2024