

 Preview Solution CBR-2429-5

Flexible Switch Panel Replacement and Calibration Procedures - VN (4) - PR (4)

Published 10 August 2026

Valid For

Volvo Chassis - VN(4)

Mack Chassis - PR (4)

Model Year - 2025 to current

This CBR solution outlines the procedures for diagnosing, replacing, calibrating, and programming Flexible Switch Panels and the Security and Cab Interface Module (SCIM) to resolve switch malfunction notifications and associated fault codes.

Overview

This document provides instructions for the following procedures:

- **Contact Workshop – Switch Malfunction IC Notification**
- **Replacing Flexible Switches**
- **Replacing Flexible Switch Panels**
- **Adding a Flexible Switch or Flexible Switch Panel**
- **Replacing the SCIM (Security and Cab Interface Module)**
- **Diagnosing Fault Codes Associated with Flexible Switch Panels**

Switch Malfunction IC Notification Example:



SCIM Sub Hardware Mismatch Example:

Control Unit Data Mismatch

Readout Time: 11/5/2024 12:30 PM

Control Unit	Product Data	Central Data	Hardware	Sub hardware	Software
Passenger Door Module (PDM)	✓	✓	✓	✓	✓
Engine Control Module (EMS)	✓	✓	✓	✓	✓
Transmission ECU (TECU)	✓	✓	✓	✓	✓
Security and Cab Interface Module (SCIM)	✓	✓	✓	✗	✓
Driver Assistance Control Unit (DACU)	✓	✓	✓	✓	✓
Living Environment Control Module (LECM)	✓	✓	✓	✓	✓
Forward Looking Camera (FLC)	✓	✓	✓	✓	✓
Front Chassis I/O Module (FCIOM)	✓	✓	✓	✓	✓
Supplementary Restraint System (SRS)	✓	✓	✓	✓	✓
Forward Looking Radar (FLR)	✓	✓	✓	✓	✓
Services and Entertainment Module (SEM)	✓	✓	✓	✓	✓
Side Radar, Right-hand side, Forward-looking (S	✓	✓	✓	✓	✓

Details (Security and Cab Interface Module (SCIM))

Sub hardware	23624589	23624589	18000322
Sub hardware	23624599	23624599	04000322
✗ Flexible Switch Module	22026373	23656794	21549946
✗ Flexible Switch Module	22026373	23656794	21550158
✗ Flexible Switch Module	22026373	23656794	21549995
✗ Flexible Switch Module	22026373	23656794	21549996
✗ Flexible Switch Module	22026373	24806698	21549915

Procedure (Volvo Only)

Step 1: Verify Flexible Switch Panel (FSP) Part Numbers

Confirm the installed Flexible Switch Panels (FSPs) have the **correct** part numbers.





Old (Incorrect) Switch Panel:



New (Correct) Switch Panel:

- **Procedure:**
 - Physically inspect each FSP by removing it to locate the part number on its back.
 - Follow **Impact operation 3646-03-02-89** for FSP removal.
- **Part Numbers:**
 - Old (Incorrect): **23656794**
 - New (Correct): **24806698**

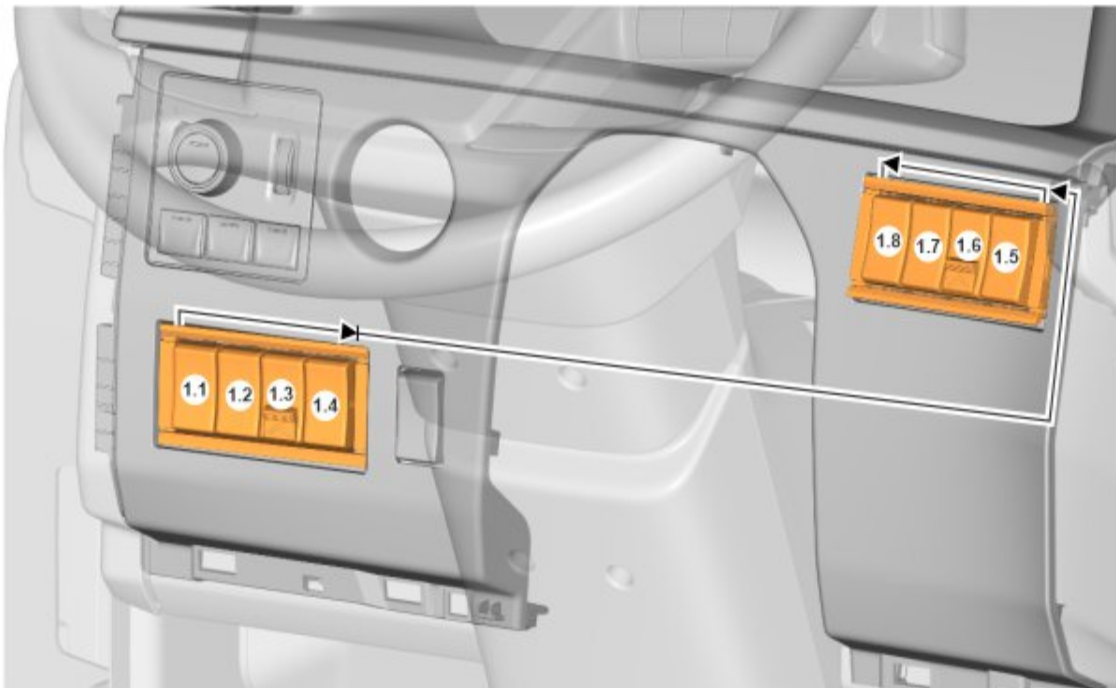
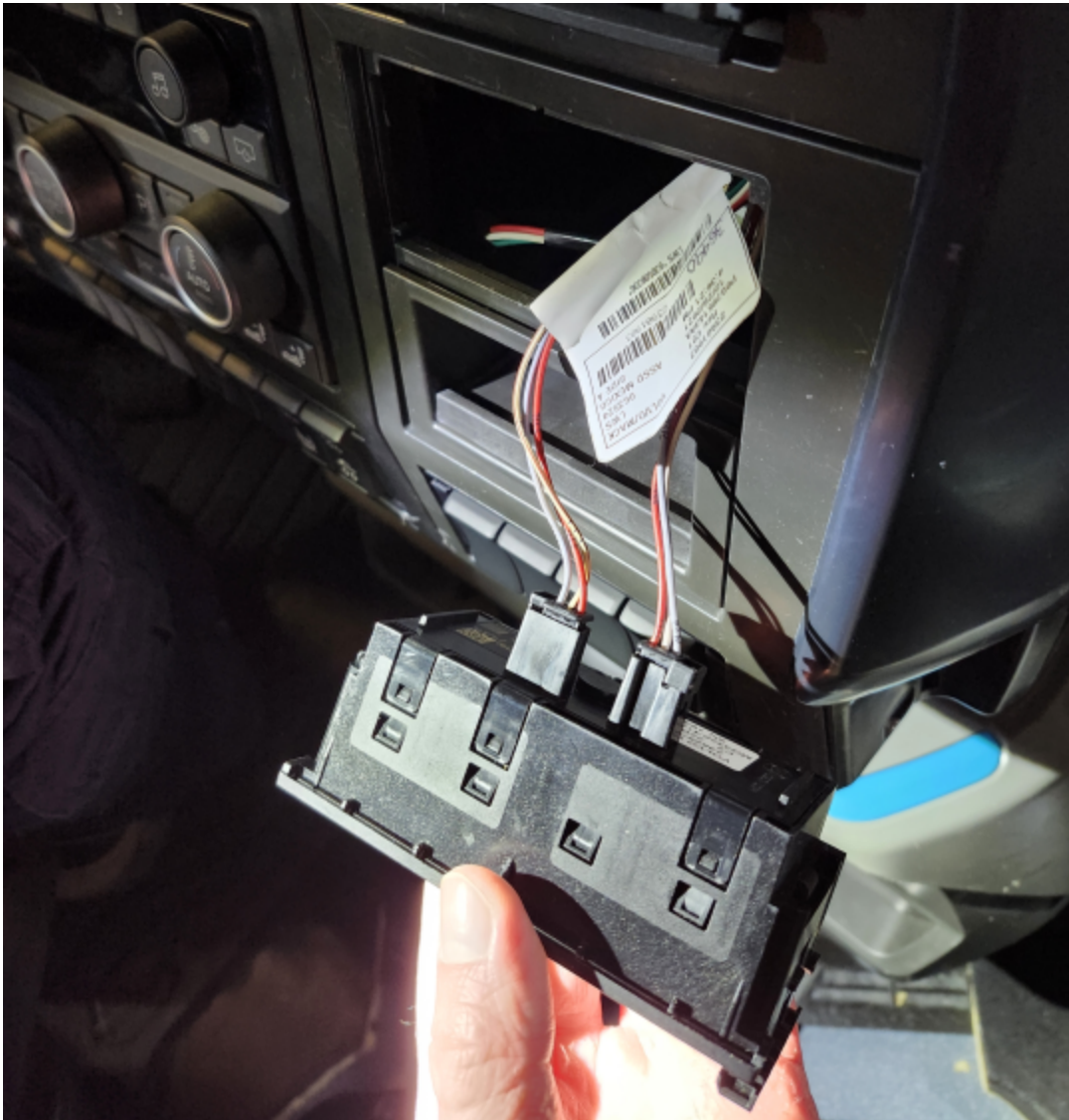


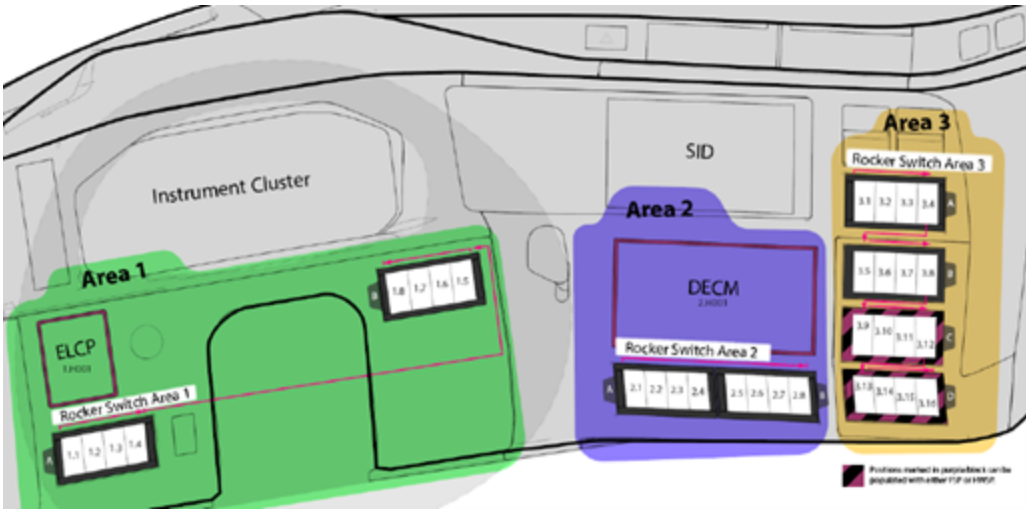
Verify Proper FSP Connections

1. Ensure that all FSPs are connected correctly:

- These are **LIN (Local Interconnect Network) switches**, requiring the input of one panel to be connected to the output of the previous panel in each switch area.

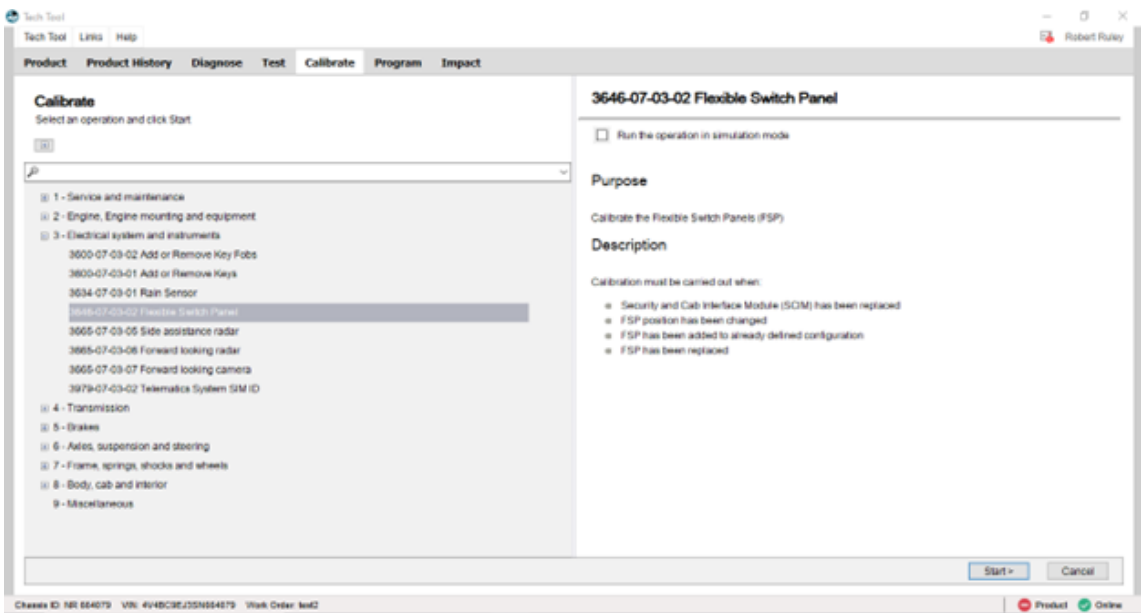
Diagram of Connections (View from Above the FSP When Removed):





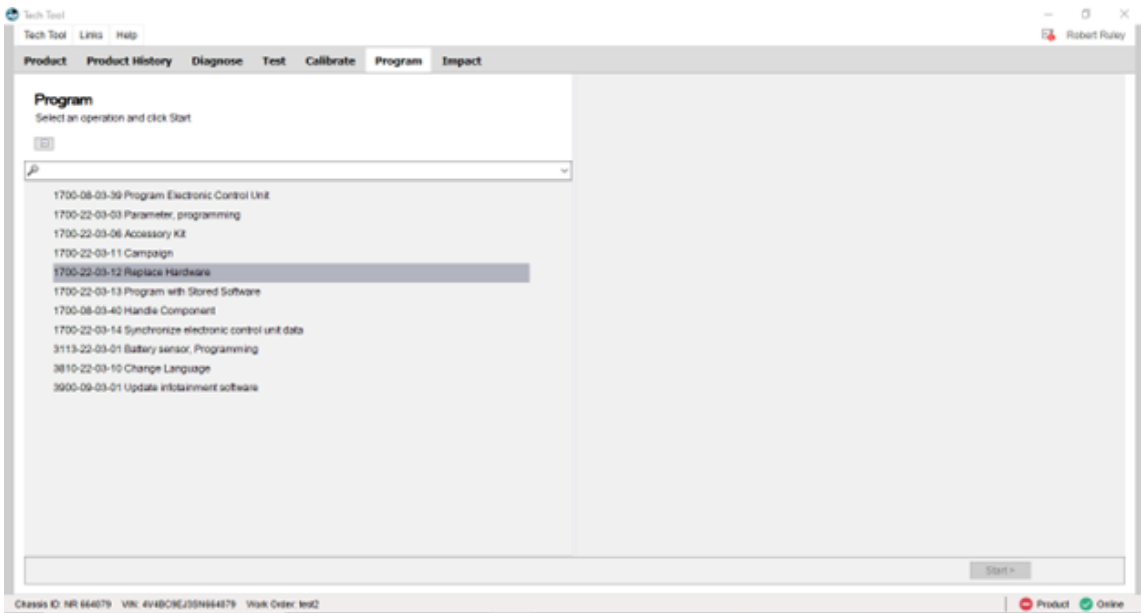
Calibrate Switches Using TechTool

1. Use **TechTool** to calibrate the FSPs, ensuring they are recognized by the SCIM.



Calibrate SCIM Using TechTool

1. Perform the **Replace Hardware** function in TechTool to calibrate the SCIM to work with the new FSPs.



Verify Calibration and Connections

1. Refresh the vehicle readout using TechTool.
2. Confirm there are **no sub-hardware mismatches** listed under the SCIM.

Additional Information

For further reference, consult the following resources in **Impact FG 364**:

- **Flexible switch, replace**
- **Flexible switches and panel, component description**

Related links and attachments

No links or attachments available



Share

to others that might find it helpful



Feedback

[Give feedback](#)

to help improve the content of this article