



Technical Service Bulletin

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Fault Code 14523 Occurrence Due to Data Link Interference

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Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Product Affected

- BES CM2450 EV107B
- BES CM2450 EV110B
- BES CM2450 EV111B

Issue Summary

Symptom:

- Fault Code 14523

Root Cause:

- The data link is experiencing excessive interference, impacting communication for components on the network. Multiple of the following fault codes (FC) for components on data link 3 can become active: FC11938, FC11939, FC11941, FC11943, FC11949, FC14523, FC14524, and FC14525.

Verification/Confirmation

- Verify if one or more of the following fault codes are active with FC14523:
 - FC11938
 - FC11939
 - FC11941
 - FC11943

- FC11949
- FC14524
- FC14525
- Follow the service instructions below to verify the presence of the terminating resistors for each data link.

Service Instructions

- At the diagnostic connector, measure the resistance of data link 1, data link 2, and data link 3.
 - Each data link will measure 60 ohms.
- If all measurements are within range, continue to the resolution section.
- If any resistance measurements are out of range, check the terminating resistors for each data link and make sure all terminating resistors are present. Replace any missing terminating resistors. Continue to the resolution section after verifying all terminating resistors are present, and the resistances for each data link are within range.

Resolution

- If **only** FC14523 is active, follow the published troubleshooting tree for FC14523.
- If multiple fault codes are active, do **not** replace the power steering pump. Clear all fault codes and verify unit operation.
 - If the fault codes do **not** return, release the unit to service if no other issues are present.
 - If the fault codes do return, follow the direction provided by 1-800-CUMMINS, or use the local technical escalation process.
- If a System Control Module (SCM) calibration code update for this fault code is available, the SCM calibration code revision **must** be that revision or higher. For the SCM calibration process, see the corresponding service manual.
 - Refer to the ECM calibration revision history for more information
 - https://quickserve.cummins.com/qs3/portal/ecm/spreadsheet_display.html?header=false

Document History

Date	Details
2026-2-12	Module Created
2026-7-31	Product Problem Solving (PPS)

