



## Chassis Equipped With VECU5 Active Datalink/Communication Faults For Multiple Modules; ABS And SRS Communication Faults



Internal Content

### Corrective Action

Verify in VDA parameter **P1SEQ** is set to **FALSE**.

1. The technicians perception of P1SEQ is that the parameter controls the LVD Device. The LVD Device is controlled by the LECM, these are two different components that are not related.
2. P1SEQ is set false from the factory, after the technician changes the status from false to true with Tech Tool(Parameter Programming) the fault codes will become active when condition are met to open relay20.
3. When P1SEQ is enable and when the conditions are met (low voltage for 120s) the VECU commands RELAY20 to power off, that causes the ECU's on that circuit to produces fault codes. ABS, VDS, SRS.....
4. The technician will spend unnecessary time diagnosing the Active Data Link fault codes caused by relay 20 being opened due to condition met in the P1SEQ.

REF - SR # 1-17946047891

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### Valid For

Mack GR,PI,AN Volvo VNL,VNR,VNX,VAH,VHD Model Years 2021 - 2024

Live UI

If the list of codes below are found to be active please create an E-Service case and reference this CBR solution number.

This combination of codes is caused by a software configuration issue not visible in Tech Tool.

Vehicles Equipped with GEN 2 Instrument Cluster		
Module	Code	Description
EMS	U012100	Lost Communication with Anti-Lock Brake System (ABS)
EMS	U041500	Invalid Data Received from ABS module
TECU	U012900	Lost Communications with Brake Control Unit
TECU	U114286	Wheel-Based Vehicle Speed Signal Invalid
IC - GEN 2	U101887	Lost Communication with SRS, Missing Message
IC - GEN 2	U104287	Wheel-Based Vehicle Speed, Missing Message
IC - GEN 2	U104987	Can Protocol SAE 1939 Message EBC1 Timeout Lost Communication
VECU	U024387	Lost Communication with ABS Missing Message
VECU	U103F87	ACC Status Electronic Data Link Missing Message

Vehicles Equipped with GEN 1 Instrument Cluster		
Module	Code	Description
EMS	U012100	Lost Communication with Anti-Lock Brake System (ABS)
EMS	U041500	Invalid Data Received from ABS module
TECU	U012900	Lost Communications with Brake Control Unit
TECU	U114286	Wheel-Based Vehicle Speed Signal Invalid
Information display (MID 140) IC - GEN 1	PSID 243 FMI 9	DATA Link, MID204
Information display (MID 140) IC - GEN 1	PSID 242 FMI 9	DATA Link, MID248

Information display (MID 140) IC - GEN 1	PSID 211 FMI 9	DATA Link, MID219
Information display (MID 140) IC - GEN 1	PSID 204 FMI 9	DATA Link, MID136
VECU	U024387	Lost Communication with ABS Missing Message
VECU	U103F87	ACC Status Electronic Data Link Missing Message

 Tags

[mack](#)    [volvo](#)    [p1seq](#)    [u012100](#)    [u114286](#)  
[u101887](#)    [u104287](#)    [u104987](#)    [u024387](#)  
[u103f87](#)    [mid 204 psid 243 fmi 9](#)  
[mid 248 psid 242 fmi 9](#)    [mid 219 psid 211 fmi 9](#)  
[mid 136 psid 204 fmi 9](#)    [mid 216 psid 204 fmi 9](#)  
[u041500](#)    [u012900](#)    [vecu5](#)

Categories 

Make and Model > Mack > CXU/CHU/PI - Pinnacle 

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Make and Model > Volvo > VNR 


Make and Model > Volvo > VNM 

Make and Model > Volvo > VNX 

Make and Model > Volvo > VAH 

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