

FLA COE FLB COE FLD Conventional Business Class FLC 112 Conventional Century Class Conventional Argosy Cargo Columbia > 122SD and Coronado > Business Class M2 Cascadia
 > 108SD/114SD New Cascadia Freightliner Service Bulletin

General Information

On some New Business Class M2 and 108SD/114SD vehicles, bulkhead module (BHM) fault code SPN 6918 FMI 7 displays at key ON, despite all switches showing that the correct parameters are loaded and are present in DiagnosticLink®.

This issue is resolved by upgrading BHM software 7.41 to BHM Software 7.43. Use the instructions in this bulletin to update the BHM software level.

Work Instructions

- 1. Park the vehicle on a level surface, apply the parking brakes, and shut down the engine. Chock the tires.
- 2. Connect the vehicle to DiagnosticLink.
- 3. Ensure that the bulkhead module is connected. See Fig. 1.



Fig. 1, Verifying that the Bulkhead Module is Connected

4. Go to the "Identification" tab then click on the "Standard" tab. See Fig. 2.

54-320 New BHM Software for Switch Expansion Module Fault SPN 6918 FMI 7

Freightliner Service Bulletin

FLA COE FLB COE FLD Conventional Business Class FLC 112 Conventional Century Class Conventional Argosy Cargo Columbia > 122SD and Coronado > Business Class M2 Cascadia
 > 108SD/114SD New Cascadia



Fig. 2, Verifying the Correct Software

- 5. Verify that the BHM is currently installed with 7.41 software, then click the "Program Device" tab.
- 6. Click "Remove All" to clear VINs from the program device list.
- 7. Click Add. The "Request Equipment Data Download" form will appear. See Fig. 3.

New BHM Software for Switch Expansion Module Fault SPN 6918 FMI 7

FLA COE FLB COE FLD Conventional Business Class FLC 112 Conventional Century Class Conventional Argosy Cargo Columbia > 122SD and Coronado

- > Business Class M2 Cascadia > 108SD/114SD
- New Cascadia

Freightliner Service Bulletin

54-3

Ent	inter the identity of the equipment you wish to program.						
Veh	/ehicle Identification 💿 VIN 🔿 PIN						
1FV	FVHG3DV8HHHY0243						
Eno	ngine Serial Number (Unit Number)						
Eng	ine senarivamber						
Dev	vice controllers for	this equipment					
ð	Add 💥 Remove						
	Device	Hardware Part Number					
۲	▼ U.r.2.A0.07.41						
	<u>C</u> lear All	<u>QK</u>					
	<u>C</u> lear All	<u>QK</u> <u>Cancel</u>					

Fig. 3, Equipment Data Download Screen

- 8. The VIN will auto populate. If not, manually type in the VIN.
- 9. Ensure that BHM_J1939 is showing in the "Device" column, then click OK.
- 10. On the "Program Device" tab, the "Upload Data" symbol will appear next to the VIN. See Fig. 4.

		Datasets	Diagnosis Descriptions
Unit			
- 1	Request Pend	ing	
÷ -	IFVHG3DV8H	HHY0243	

Fig. 4, Update Data Symbol

- 11. Click "Connect to Server." DiagnosticLink will download VIN data from the server.
- 12. If the chassis status is OK, click "Next." If there is an error, contact the Customer Assistance Center (CAC).
- 13. Click "Connect" and select "Newest." See Fig. 5. If "Newest" is not available, it is possible that the current BHM software is not 7.41. Go to the "Identification" tab and check the software version. See Fig. 6.



Freightliner Service Bulletin

FLA COE FLB COE FLD Conventional Business Class FLC 112 Conventional Century Class Conventional Argosy Cargo Columbia > 122SD and Coronado > Business Class M2 Cascadia
 > 108SD/114SD New Cascadia

1			
	Connect	CANHS-1 on USB-Link 2	
10/04/20	19		f547038

Fig. 5, Connect Button

Settings	Status
Latest	OK
Newest	OK

Fig. 6, Selecting the Newest Software Version

14. Click Start. DiagnosticLink will begin to install 7.43 software on the BHM. See Fig. 7.

Step	Result
Connect to device	Complete
Flash Firmware	n/a - using existing firmware
Flash Dataset	0.0% Complete
Execute version specific initialization	
Reset device to default settings	
Load settings from server	
Write settings	
Commit settings to permanent memory	
Reconnect to device	
Verify settings	
Update usage count	

Fig. 7, DiagnosticLink Software Download Page

- 15. Once software installation is completed, click "Finish."
- 16. DiagnosticLink will return to the "Program Device" page. The "Upload Data" symbol is displayed next to the VIN. Fig. 8.

New BHM Software for Switch Expansion Module Fault SPN 6918 FMI 7

FLA COE FLB COE FLD Conventional Business Class FLC 112 Conventional

Century Class Conventional Argosy Cargo Columbia > 122SD and Coronado > Business Class M2 Cascadia
 > 108SD/114SD New Cascadia Freightliner Service Bulletin

54-32

Unit Data	Software	Datasets	Diagnosis Descriptions
Unit			
E Wa	arning		
🔔 1F	HG3DV8H	HHY0243 (4	47192850414053)
🗉 Up	load Data		
= 1E	HG3DV8H	HY0243	

Fig. 8, Upload Data Symbol

- 17. Click "Connect to Server" to upload data to the server.
- 18. Once the data upload is complete, go to the "Identification" tab and click on the "Standard" tab.
- 19. Verify that the BHM is updated to 7.43 software.

Warranty

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

Normal warranty applies. See **Table 1** for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the *Service Bulletin #* field.

OWL VMRS Codes and Labor Allowance						
Primary Failed Part	Component Code	Cause Code	SRT Code	Description	Time: Hours	
BHM Software Update	037-001-001	23	32A-5036A	UPDATE BHM SOFTWARE FOR SEM FAULT 6918/7	0.5	

 Table 1, OWL VMRS Codes and Labor Allowance