

GUARDDOG CONNECT



DTC: SPN 639 FMI 2

Bulletin: GDC22-217

Date: April 01, 2022

Description: See below for fault code description(s)

Applies to: US ARMY VEHICLES

General Information

These repair instructions are intended to address the following fault(s):

DTC	Description	Possible Cause	Possible (Observable) Symptoms
SPN 639 FMI 2	J1939 Engine (EEC1) Electronic Engine Controller Loss of Communication or Time Out - Data Erratic, Intermittent, or incorrect	N/A	N/A
	J1939 Electronic Retarder Timeout or Invalid Signal (ERC1) - Data Erratic, Intermittent, or incorrect		
	J1939 Electronic Engine Controller 2 Timeout or Invalid Message (EEC2) - Data Erratic, Intermittent, or incorrect		
	Timeout or Invalid Data on XBR Message - Data Erratic, Intermittent, or incorrect		
	J1939 Transmission (ETC1) Electronic Transmission Controller, loss of communication message or time out - Data Erratic, Intermittent, or incorrect		
	AUXIO CAN Message Timeout - Data Erratic, Intermittent, or incorrect		
	J1939 Engine (EEC3) Electronic Transmission Controller loss of communications or time out - Data Erratic, Intermittent, or incorrect		
	J1939 Transmission (ETC2) Electronic Transmission Controller loss of communications or time out - Data Erratic, Intermittent, or incorrect		
	J1939 Engine (EEC1) Electronic Engine Controller loss of communications between EC-80 ECU and other devices - Data Erratic, Intermittent, or incorrect		
	J1939 Retarder (ERC1) Electronic Retarder Controller loss of communications or time out - Data Erratic, Intermittent, or incorrect		
	J1939 Engine (EEC2) Electronic Engine Controller loss of communications or time out - Data Erratic, Intermittent, or incorrect		
	J1939 Transmission Loss of Communications, ETC1 message - Data Erratic, Intermittent, or incorrect		
	J1939 Engine Loss of Communications, EEC2 message - Data Erratic, Intermittent, or incorrect		
	J1939 Transmission Loss of Communications, ETC2 message - Data Erratic, Intermittent, or incorrect		

Required Parts

Part Number	Description	Quantity
N/A	PTT, VOCOMII	1

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Repair Instructions

Please reference the following file(s):

- IETM, WP File Name: **T01425**
- IETM, WP Number: **468**

Additional Resources

- For support with a warrantable fault/fault code, please submit an SF368 Product Quality Deficiency Report (PQDR) in the Product Data Reporting & Evaluation Program (PDERP) at <https://www.pdrep.csd.disa.mil/> and CC or forward the PDREP generated .pdf copy of the SF368 to appropriate Mack Defense Warranty Managers:

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- For assistance with normal service or technical related questions, please contact our Contractor Logistics Support (CLS) provider POCs:

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