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**Freightliner
Service Bulletin**

General Information

This service bulletin contains information on all proprietary Bulkhead Module (BHM) fault codes for J1587 and J1939 data bus protocols, how to view these codes, and what they mean. Each fault code contains three distinct pieces of information, as described below.

NOTE: References such as BHM B1.A (beginning with SID 050 in [Table 1](#)) indicate that the fault is sensed to be coming from the Bulkhead Module, connector B1, pin A. Similarly, CHM indicates the Chassis Module, and EXM1-5 indicates the first through fifth Expansion Modules on a vehicle.

J1587 fault codes consist of the following, in this order:

- Module Identifier (MID) – Identifies which Electronic Control Unit (ECU) the fault is coming from. The J1587 MID identifying all Bulkhead Information Module faults is 164.
- Subsystem Identifier (SID) – Indicates what function on the ECU has failed. All J1587 SIDs for the BHM are listed in [Table 1](#).
- Failure Mode Indicator (FMI) – Indicates in what way the function failed.

J1939 faults consist of the following, in this order:

- Source Address (SA) – Identifies which ECU the fault is coming from. The J1939 SA identifying all Bulkhead Module faults is 33.
- Suspect Parameter Number (SPN) – Indicates what function on the ECU has failed. All J1939 SPNs for the BHM are listed in [Table 2](#).
- Failure Mode Indicator (FMI) – Indicates in what way the function failed.

Also included is a reference table of all FMIs for both data bus protocols. See [Table 3](#).

NOTE: In ServiceLink, J1587 fault codes are shown under J1708. J1587 and J1708 are essentially the same data bus protocol.

NOTE: As the SAE J1939 subcommittee approves new SPNs for use in J1939 messaging on a continual basis, J1939 SPNs used for diagnostic messages could change when the Bulkhead Module part changes. These changes could impact any diagnostic message with an SPN value of 6915 or higher.

J1587 SIDs for Bulkhead Module (BHM) MID 164		
SID	Description	Possible FMI
000	Backlighting Dimmer Switch Fault	7
001	Clutch Switch Fault	7
002	Reserved for Future Use	–
003	Headlamp Switch Disagreement - Both Park and On Inputs are CLOSED	7
004	Stalk Switch High Beam Input Fault	2
005	Ignition Switch Fault	7
006	Marker Interrupt Switch Fault	7
007	Stalk Switch Disagreement - Both Wiper High and Wiper Low Inputs are ON	2
008	Stalk Switch Disagreement - Wiper On/Off Input is OFF and Wiper High or Low Input is ON	2
009	Wiper Park Input Fault	7

J1587 SIDs for Bulkhead Module (BHM) MID 164		
SID	Description	Possible FMI
010	ICU3-M2 Hazard Switch CAN Feedback Error	2
011	Stalk Switch Left Turn Signal Input Fault	2
012	Stalk Switch Right Turn Signal Input Fault	2
013	Stalk Switch Washer Switch Input Fault	2
014	Stalk Switch Wiper On/Off Input Fault	2
015	Stalk Switch Wiper Low Input Fault	2
016	Stalk Switch Wiper High Input Fault	2
017	Wheel Based Vehicle Speed CAN Message Error	2
018	Wake up Hardware Fault (modules are kept awake)	7
019	Unknown Keep Awake Fault (modules are kept awake)	7
020	Extra Smart Switch	7
021	Duplicate Smart Switch	7
022	Missing Smart Switch	7
023	Fifth Wheel Solenoid Unexpected Pressure Feedback	7
024	Fifth Wheel Solenoid No Pressure Feedback	7
025	End of Frame Air Unexpected Pressure Feedback	7
026	End of Frame Air No Pressure Feedback	7
027	Axle Lift Unexpected Pressure Feedback	7
028	Axle Lift No Pressure Feedback	7
029	Suspension Dump Unexpected Pressure Feedback	7
030	Suspension Dump No Pressure Feedback	7
031	Suspension Proportioning Unexpected Pressure Feedback	7
032	Suspension Proportioning No Pressure Feedback	7
033	Cigar Lighter Output Fault	7
034	BHM / ICU3-M2 Ignition Mismatch	7
035	BHM / ICU3-M2 Hazard Switch Mismatch	2
036	BHM / ICU3-M2 Wiper Park Mismatch	2
037	Missing Transmission CAN Message	9
038	Missing Chassis Module CAN Message	9
039-049	Reserved for Future Use	–
050	BHM B1.A	3,4
051	BHM B1.F, B1.P, B2.K, B2.L, B6.A8	5,6
052	BHM B1.J	3,4
053	BHM B1.K, B5.C	5,6
054	BHM B1.L	5,6
055	BHM B1.N	3,4
056	BHM B1.R	5,6
057	BHM B2.M	5,6
058	BHM B3.D	3,4
059	BHM B3.E	3,4,5,6
060	BHM B3.F	5,6

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J1587 SIDs for Bulkhead Module (BHM) MID 164		
SID	Description	Possible FMI
061	BHM B3.G	5,6
062	BHM B3.H	5,6
063	BHM B4.B	5,6
064	BHM B4.E, B4.F	3,4,5,6
065	BHM B4.G	3,4
066	BHM B4.K	3,4
067	BHM B4.M, B5.E	3,4,5,6
068	BHM B5.A, B7.A12	5,6
069	BHM B6.A9, B6.A10	5,6
070	BHM B5.B	5,6
071	BHM B5.D	5,6
072	BHM B5.F	3,4,5,6
073	BHM B5.G	3,4,5,6
074	BHM B5.H, B7.A1	3,4,5,6
075	CHM C1.A, C1.H, C1.J	5,6
076	CHM C1.G, C2.H, C3.N	5,6
077	CHM C1.L	5,6
078	CHM C1.N	5,6
079	CHM C1.P, C2.E, C3.R	5,6
080	CHM C2.A	3,4
081	CHM C2.F, C4.C, C4.D, C4.L, C4.M	3,4,5,6
082	CHM C3.A	3,4,5,6
083	CHM C3.C, C3.D	5,6
084	CHM C3.E	3,4
085	CHM C3.F	3,4
086	CHM C3.J	3,4
087	CHM C3.K	5,6
088	CHM C3.L	5,6
089	CHM C4.F	5,6
090	CHM C4.J	3,4
091	CHM C4.K	5,6
092	CHM C4.P	3,4
093	CHM C5.A	3,4
094	CHM C5.B	3,4
095	CHM C5.F	3,4
096	CHM C5.G	3,4
097	CHM C5.H	3,4
098	CHM C5.J	3,4
099	CHM C5.L	3,4
100	CHM C5.M	3,4
101	EXM1 C1.A, C1.H, C1.C	5,6

J1587 SIDs for Bulkhead Module (BHM) MID 164		
SID	Description	Possible FMI
101	EXM1 C4.K	5,6
101	EXM1 C3.L	5,6
101	EXM1 C2.F, C4.C, C4.D, C4.L, C4.M	3,4,5,6
101	EXM1 C1.N	5,6
101	EXM1 C1.L	5,6
101	EXM1 C1P, C2.E, C3.R	5,6
101	EXM1 C1.G, C2.H, C3.N	5,6
101	EXM1 C2.A	3,4
101	EXM1 C3.A	3,4,5,6
101	EXM1 C3.C, C3.D	5,6
101	EXM1 C3.K	5,6
101	EXM1 C4.F	5,6
101	EXM1 C5.H	3,4
101	EXM1 C5.C	3,4
101	EXM1 C5.L	3,4
101	EXM1 C5.M	3,4
101	EXM1 C3.E	3,4
101	EXM1 C3.F	3,4
101	EXM1 C3.C	3,4
101	EXM1 C4.C	3,4
101	EXM1 C4.P	3,4
101	EXM1 C5.A	3,4
101	EXM1 C5.B	3,4
101	EXM1 C5.F	3,4
101	EXM1 C5.G	3,4
102	EXM2 C1.A, C1.H, C1.C	5,6
102	EXM2 C4.K	5,6
102	EXM2 C3.L	5,6
102	EXM2 C2.F, C4.C, C4.D, C4.L, C4.M	3,4,5,6
102	EXM2 C1.N	5,6
102	EXM2 C1.L	5,6
102	EXM2 C1P, C2.E, C3.R	5,6
102	EXM2 C1.G, C2.H, C3.N	5,6
102	EXM2 C2.A	3,4
102	EXM2 C3.A	3,4,5,6
102	EXM2 C3.C, C3.D	5,6
102	EXM2 C3.K	5,6
102	EXM2 C4.F	5,6
102	EXM2 C5.H	3,4
102	EXM2 C5.C	3,4
102	EXM2 C5.L	3,4

Bulkhead Module Fault Code Information

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SID	Description	Possible FMI
102	EXM2 C5.M	3,4
102	EXM2 C3.E	3,4
102	EXM2 C3.F	3,4
102	EXM2 C3.C	3,4
102	EXM2 C4.C	3,4
102	EXM2 C4.P	3,4
102	EXM2 C5.A	3,4
102	EXM2 C5.B	3,4
102	EXM2 C5.F	3,4
102	EXM2 C5.G	3,4
103	EXM3 C1.A, C1.H, C1.C	5,6
103	EXM3 C4.K	5,6
103	EXM3 C3.L	5,6
103	EXM3 C2.F, C4.C, C4.D, C4.L, C4.M	3,4,5,6
103	EXM3 C1.N	5,6
103	EXM3 C1.L	5,6
103	EXM3 C1P, C2.E, C3.R	5,6
103	EXM3 C1.G, C2.H, C3.N	5,6
103	EXM3 C2.A	3,4
103	EXM3 C3.A	3,4,5,6
103	EXM3 C3.C, C3.D	5,6
103	EXM3 C3.K	5,6
103	EXM3 C4.F	5,6
103	EXM3 C5.H	3,4
103	EXM3 C5.C	3,4
103	EXM3 C5.L	3,4
103	EXM3 C5.M	3,4
103	EXM3 C3.E	3,4
103	EXM3 C3.F	3,4
103	EXM3 C3.C	3,4
103	EXM3 C4.C	3,4
103	EXM3 C4.P	3,4
103	EXM3 C5.A	3,4
103	EXM3 C5.B	3,4
103	EXM3 C5.F	3,4
103	EXM3 C5.G	3,4
104	EXM4 C1.A, C1.H, C1.C	5,6
104	EXM4 C4.K	5,6
104	EXM4 C3.L	5,6
104	EXM4 C2.F, C4.C, C4.D, C4.L, C4.M	3,4,5,6
104	EXM4 C1.N	5,6

J1587 SIDs for Bulkhead Module (BHM) MID 164		
SID	Description	Possible FMI
104	EXM4 C1.L	5,6
104	EXM4 C1P, C2.E, C3.R	5,6
104	EXM4 C1.G, C2.H, C3.N	5,6
104	EXM4 C2.A	3,4
104	EXM4 C3.A	3,4,5,6
104	EXM4 C3.C, C3.D	5,6
104	EXM4 C3.K	5,6
104	EXM4 C4.F	5,6
104	EXM4 C5.H	3,4
104	EXM4 C5.C	3,4
104	EXM4 C5.L	3,4
104	EXM4 C5.M	3,4
104	EXM4 C3.E	3,4
104	EXM4 C3.F	3,4
104	EXM4 C3.C	3,4
104	EXM4 C4.C	3,4
104	EXM4 C4.P	3,4
104	EXM4 C5.A	3,4
104	EXM4 C5.B	3,4
104	EXM4 C5.F	3,4
104	EXM4 C5.G	3,4
105	EXM5 C1.A, C1.H, C1.C	5,6
105	EXM5 C4.K	5,6
105	EXM5 C3.L	5,6
105	EXM5 C2.F, C4.C, C4.D, C4.L, C4.M	3,4,5,6
105	EXM5 C1.N	5,6
105	EXM5 C1.L	5,6
105	EXM5 C1P, C2.E, C3.R	5,6
105	EXM5 C1.G, C2.H, C3.N	5,6
105	EXM5 C2.A	3,4
105	EXM5 C3.A	3,4,5,6
105	EXM5 C3.C, C3.D	5,6
105	EXM5 C3.K	5,6
105	EXM5 C4.F	5,6
105	EXM5 C5.H	3,4
105	EXM5 C5.C	3,4
105	EXM5 C5.L	3,4
105	EXM5 C5.M	3,4
105	EXM5 C3.E	3,4
105	EXM5 C3.F	3,4
105	EXM5 C3.C	3,4

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J1587 SIDs for Bulkhead Module (BHM) MID 164		
SID	Description	Possible FMI
105	EXM5 C4.C	3,4
105	EXM5 C4.P	3,4
105	EXM5 C5.A	3,4
105	EXM5 C5.B	3,4
105	EXM5 C5.F	3,4
105	EXM5 C5.G	3,4

Table 1, J1587 SIDs for Bulkhead Module (BHM) MID 164

J1939 SPNs for Bulkhead Module (BHM) SA 33		
SPN	Description	Possible FMI
70	Parking Brake Switch	2
80	Washer Fluid Level	2
84	Wheel Based Vehicle Speed	19
96	Fuel Level	19
97	Water In Fuel Indicator	19
163	Transmission Current Range	12,19
177	Transmission Oil Temperature Sensor	3,4
523	Transmission Current Gear	12,19
524	Transmission Selected Gear	12,19
597	ABS Service Brake Switch	2
598	Clutch Switch	7
879	Front Left Turn Signals Output Fault	5,6
880	Trailer Stop Lamp Relay Output Fault	4
881	Front Right Turn Signals Output Fault	5,6
882	Park / Marker Lights Output Fault	4,5,6
973	Engine Retarder Selection	19
1487	Backlighting Dimmer Switch Fault	7
1550	A/C Clutch Output Fault	5,6
2003	Missing Transmission CAN Message	9
2071	Missing Chassis Module CAN Message	9
6915	Lamp and Gauge Ignition Output Fault	4,5,6
6916	BHM / ICU3-M2 Wiper Park CAN Message Mismatch	2
6917	BHM / ICU3-M2 Hazard Switch CAN Message Mismatch	2
6918	Missing Smart Switch	7
6919	Duplicate Smart Switch	7
6920	Extra Smart Switch	7
6921	Unknown Keep Awake Fault (modules are kept awake)	7
6922	Wake up Hardware Fault (modules are kept awake)	7
6923	Wiper Parked Input Fault	7

J1939 SPNs for Bulkhead Module (BHM) SA 33		
SPN	Description	Possible FMI
6924	Stalk Switch Disagreement - Wiper On/Off Input is OFF and Wiper High or Low Input is ON	2
6925	Stalk Switch Disagreement - Both Wiper High and Wiper Low Inputs are ON	2
6926	Marker Interrupt Switch Fault	7
6927	Utility Lamp Output Fault	3,4,5,6
6928	Suspension Proportioning No AMU Pressure Feedback	7
6929	Suspension Proportioning Unexpected AMU Pressure Feedback	7
6930	Suspension Proportioning Solenoid Output Fault	3,4,5,6
6931	Suspension Dump No AMU Pressure Feedback	7
6932	Suspension Dump Unexpected AMU Pressure Feedback	7
6933	Suspension Dump Solenoid Output Fault	3,4,5,6
6934	Spotlights Output Fault	3,4,5,6
6935	Snow Plow Relay Output Fault	3,4,5,6
6936	Rear 2 Differential Lock AMU Pressure Feedback Fault	7
6937	Rear 2 Differential Lock Solenoid Output Fault	3,4,5,6
6938	Rear 1 Differential Lock AMU Pressure Feedback Fault	7
6939	Rear 1 Differential Lock Solenoid Output Fault	3,4,5,6
6940	Optional Feature Output Fault	3,4,5,6
6941	Heated Mirrors Output Fault	3,4,5,6
6942	Interaxle AMU Pressure Feedback Fault	7
6943	Interaxle Solenoid Output Fault	3,4,5,6
6944	Fuel Water Separator Heater Output Fault	4,5,6
6945	Front Differential Lock AMU Pressure Feedback Fault	7
6946	Front Differential Lock Solenoid Output Fault	3,4,5,6
6947	Fog Lamp Output Fault	5,6
6949	Fire Pump AMU Pressure Feedback Fault	7
6950	Fire Pump Solenoid Output Fault	3,4,5,6
6951	Fifth Wheel Slide No AMU Pressure Feedback	7
6952	Fifth Wheel Slide Unexpected AMU Pressure Feedback	7
6953	5th Wheel Slide Solenoid Output Fault	3,4,5,6
6954	End of Frame Air No AMU Pressure Feedback	7
6955	End of Frame Air Unexpected AMU Pressure Feedback	7
6956	End of Frame Air Solenoid Output Fault	3,4,5,6
6957	Daytime Running Lights (DRL) Output Fault	5,6
6958	Brake Line Air Dryer Output Fault	3,4,5,6
6959	Axle Shift AMU Pressure Feedback Fault	7
6960	Axle Shift Solenoid Output Fault	3,4,5,6
6961	Axle Lift No AMU Pressure Feedback	7
6962	Axle Lift Unexpected AMU Pressure Feedback	7
6963	Axle Lift Solenoid Output Fault	3,4,5,6

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J1939 SPNs for Bulkhead Module (BHM) SA 33		
SPN	Description	Possible FMI
6964	Air Horn Solenoid Output Fault	5,6
6965	BHM VBAT 5 Input Fault	3,4
6966	BHM VBAT 4 Input Fault	3,4
6967	BHM VBAT 3 Input Fault	3,4
6968	BHM VBAT 2 Input Fault	3,4
6969	BHM VBAT 1 Input Fault	3,4
6970	Wiper High Output Fault	5,6
6971	Wiper Low Output Fault	5,6
6972	Stalk Switch Wiper High Input Fault	2
6973	Stalk Switch Wiper Low Input Fault	2
6974	Stalk Switch Wiper On/Off Input Fault	2
6975	ICU3-M2 Wiper Park CAN FeedbackError	2
6976	Washer Pump Output Fault	5,6
6977	Stalk Switch Washer Switch Input Fault	2
6978	Stalk Switch Right Turn Signal Input Fault	2
6979	Stalk Switch Left Turn Signal Input Fault	2
6980	Right Stop Lamp Output Fault	5,6
6981	Left Stop Lamp Output Fault	5,6
6982	Wake up Hardware Fault	5,6
6983	Starter Relay (Mag Switch) Output Fault	5,6
6984	Ignition System, Accessory Power Outputs Fault	5,6
6985	Ignition System, Ignition Power Outputs Fault	2,5,6
6986	Ignition Switch Fault	7
6987	Tail / Clearance / License Plate Lights Output Fault	5,6
6988	Left Low Beam Output Fault	5,6
6989	Right Low Beam Output Fault	5,6
6990	Left High Beam Output Fault	5,6
6991	Right High Beam Output Fault	5,6
6992	Stalk Switch High Beam Input Fault	2
6993	Headlamp Switch Disagreement - Both Park and On Inputs are CLOSED	7
6994	ICU3-M2 Hazard Switch CAN Feedback Error	19
6995	Horn Output Fault	3,4,5,6
6996	Dome Lamps Switched Power Output Fault	5,6
6997	Cigar Lighter Output Fault	3,4,5,6
6998	Dome Lamps Battery Power Output Fault	5,6
6999	Backup Lamps / Alarm Output Fault	5,6
7000	Panel Lamp Backlighting PWM Output Fault	3,4,5,6

Table 2, J1939 SPNs for Bulkhead Module (BHM) SA 33

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Failure Mode Identifiers		
FMI	J1939 Description	J1587 Description
00	Data valid but above normal operational range - Most severe level	Data valid but above normal operational range (engine overheating)
01	Data valid but below normal operational range - Most severe level	Data valid but below normal operational range (engine oil pressure too low)
02	Data erratic, intermittent, or incorrect	Data erratic, intermittent, or incorrect
03	Voltage above normal or shorted high	Voltage above normal or shorted high
04	Voltage below normal or shorted low	Voltage below normal or shorted low
05	Current below normal or open circuit	Current below normal or open circuit
06	Current above normal or grounded circuit	Current above normal or grounded circuit
07	Mechanical system not responding or out of adjustment	Mechanical system not responding properly
08	Abnormal frequency, pulse width, or period	Abnormal frequency, pulse width, or period
09	Abnormal update rate	Abnormal update rate
10	Abnormal rate of change	Abnormal rate of change
11	Root cause not known	Failure mode not identifiable
12	Bad intelligent device or component	Bad intelligent device or component
13	Out of Calibration	Out of Calibration
14	Special Instructions	Special Instructions
15	Data valid but above normal operational range - Least severe level	Reserved for future assignment by the SAE Subcommittee
16	Data valid but above normal operational range - Moderately severe level	—
17	Data valid but below normal operational range - Least severe level	—
18	Data valid but below normal operational range - Moderately severe level	—
19	Received network data in error	—
20	Reserved for SAE Assignment	—
21	Reserved for SAE Assignment	—
22	Reserved for SAE Assignment	—
23	Reserved for SAE Assignment	—
24	Reserved for SAE Assignment	—
25	Reserved for SAE Assignment	—
26	Reserved for SAE Assignment	—
27	Reserved for SAE Assignment	—
28	Reserved for SAE Assignment	—
29	Reserved for SAE Assignment	—
30	Reserved for SAE Assignment	—
31	Not available or condition exists	—

Table 3, Failure Mode Identifiers

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Viewing Faults in ServiceLink

Both J1587 and J1939 fault codes can be viewed in ServiceLink. Only J1587 fault codes can be viewed on the instrument cluster. J1939 fault codes CANNOT be viewed on the instrument cluster.

To view fault codes using ServiceLink:

1. Connect to the vehicle using an approved communication device.
2. Open ServiceLink in either online or offline mode.
3. Turn the vehicle's ignition to the ON position.
4. Click on the Connect button in ServiceLink.

NOTE: The J1587 Message Identifier (MID) for the BHM is 164, and the J1939 Source Address (SA) for the BHM is 33, shown in the far left column of the main window in [Fig. 1](#), and [Fig. 2](#).

5. From this point, either:
 - Click on the Faults tab from the main ECU List screen to display all faults present on the vehicle. See [Fig. 1](#). Or,
 - Click on the Bulkhead Module icon first, then on the Faults tab to display faults coming from the BHM only. See [Fig. 2](#).

Viewing J1587 Faults on the Instrument Cluster

While fault codes for both data bus protocols (J1939 and J1587) can be viewed using ServiceLink while connected to the vehicle, only J1587 faults can also be viewed on the dash message center of the ICU3-M2 instrument cluster. See Section 54.04, **Subject 410** of the *Business Class® M2 Workshop Manual* for Mode/Reset Switch Functions and how to use the mode/reset switch on the ICU3-M2 to display fault information.

The following is one example using the ICU3-M2 dash message center to view a J1587 fault.

1. In this example, during an active fault the first screen shows "SYS 164". See [Fig. 3](#). This indicates the fault is coming from the BHM, which has a J1587 MID of 164.

NOTE: The Bulkhead Module (BHM) will appear on the dash message center as "SYS 164." Be aware that the "SYS" looks like the numbers "545" on the digital display, as shown in [Fig. 3](#).

2. Pressing the mode/reset switch displays the second fault screen, which shows "SID 022". See [Fig. 4](#).
3. Next, find the description for SID 22 in [Table 1](#), which lists the description as "Missing Smart Switch."
4. Press the mode/reset button again and the third ICU screen displays "Fail 07". See [Fig. 5](#).
5. Next, find FMI 07 in in the J1587 Description column. See [Table 3](#). It indicates "Mechanical system not responding properly."

In this example, the fault indicates that the mechanical system is not responding properly because the BHM senses that a Smart Switch is missing from the vehicle. There can be various possibilities for the cause of each fault.

Warranty

This is an informational bulletin only; warranty does not apply.

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Disconnect

General Info **Faults** Templates ?

Active Historic

J1708

ECU ^	Type	ID	Description	FMI	Description	Count
164	SID	22	Missing Smart Switch	7	Mechanical system not responding pro	5
187	SID	231	SAE J1939 Data Link	9	Update rate abnormal	1
188	SID	231	SAE J1939 Data Link	9	Update rate abnormal	1

J1939

ECU ^	Type	ID	Description	FMI	Description	Count
33	SPN	6918	Missing Smart Switch	7	Mechanical system not responding pro	5

* = J1939 ^ v = Sorted Column Refresh

Fault Detail

ECU: [REDACTED]

FMI: [REDACTED]

[REDACTED]

Ready SN M00294 CONNECTED J1708 | J1939 Offline

10/28/2003 f120107

Fig. 1, ServiceLink Faults Screen for All ECUs on the Vehicle

FLA COE
FLB COE
FLD Conventional
Business Class

FLC 112 Conventional
Century Class Conventional
Argosy COE
Cargo

Columbia
Condor
Coronado
> Business Class M2

**Freightliner
Service Bulletin**

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Disconnect

General Info **Faults** Configuration Features Flashing Templates ?

Active Historic

J1708

ECU ^	Type	ID	Description	FMI	Description	Count
164	SID	22	Missing Smart Switch	7	Mechanical system not responding pr	5

J1939

ECU ^	Type	ID	Description	FMI	Description	Count
33	SPN	8918	Missing Smart Switch	7	Mechanical system not responding pro	5

^ v = Sorted Column Refresh

Fault Detail

ECU:	164	
SID:	22	Missing Smart Switch
FMI:	7	Mechanical system not responding property

Ready SN M00294 CONNECTED J1708 | J1939 Offline

10/28/2003 f120106

Fig. 2, ServiceLink Faults screen for the BHM only

Freightliner Service Bulletin

FLA COE
FLB COE
FLD Conventional
Business Class

FLC 112 Conventional
Century Class Conventional
Argosy COE
Cargo

Columbia
Condor
Coronado
> Business Class M2

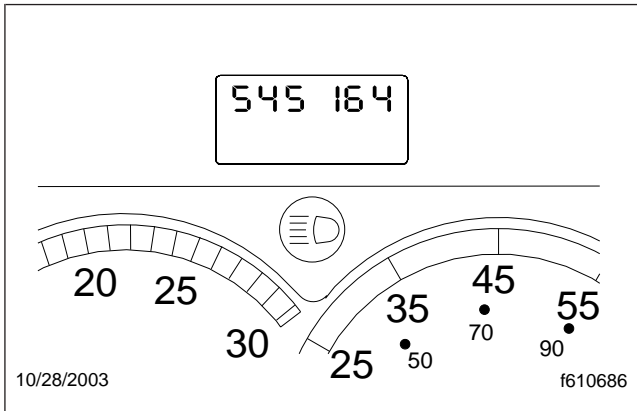


Fig. 3, J1587 Fault Code "SYS 164"

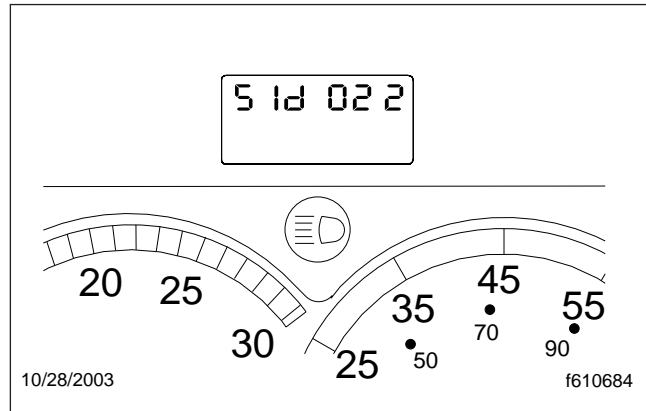


Fig. 4, J1587 Fault Code "SID 022"

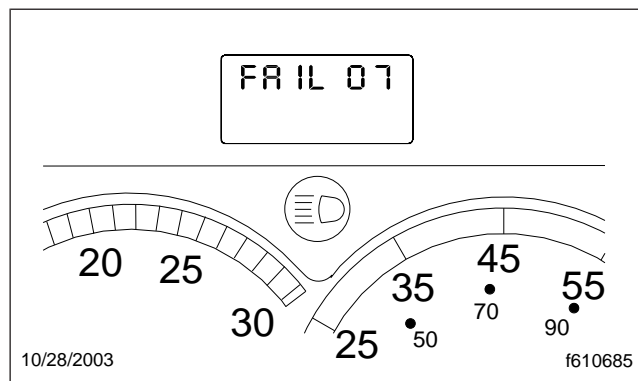


Fig. 5, Fault Code FMI 07