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Title:

Weldon Data Recorder and Seat Belt Monitor

Applies To:

Terrastar, 4000 and 7000 Series Fire Truck, Ambulance and Emergency Vehicles.

DESCRIPTION

Units built with feature code 8TPA Data Recorder and 16HCK or 16HCL Seatbelt Warning System may not function properly when delivered to the customer. The two problems we have seen are the seats and seat belt sensors are not wired properly, and the chassis side wiring to the modules is not correct.

SYMPTOMS

- Seatbelt monitor in overhead console not functioning properly
- Data recorder not receiving E-Warning signal from body controller

POSSIBLE DIAGNOSTIC TROUBLE CODES

DTC	SPN	FMI	MODULE	DESCRIPTION
	520813	5	Body Controller	Relay Driver 3 Undercurrent

TROUBLESHOOTING

1. Verify that a ground signal is received on Connector 'A' Pin 3 at the VMUX recorder unit when unit is to record vehicle information. Possible options include only when Emergency lights are activated, or when ignition key is turned on.
2. Verify that Seat and Seat Belt Indicators function properly. If not, verify wiring according to attached diagrams.
3. Follow the links below to the Weldon service manuals

OTHER RESOURCES

- <http://www.weldoninc.com/pages/vdr.html>
- http://www.weldoninc.com/pdf/VDR_SystemDesigner-185.pdf
- [Data Recorder Fuse Location](#)
- [Connector Composites](#)
- [Connector References for seat belt wiring](#)
- [Ground Adapter Wiring](#)
- [Seat Belt Wiring](#)

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