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Major System: ELECTRICAL SYSTEM **Created:** 6/10/2013

Current Language: English **Last Modified:** 12/9/2015

Other Languages: NONE **Author:** Charles Schroeder

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Coding Information

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Title: Active Faults During Load Shed

Applies To: ProStar and LoneStar

Change Log

Please refer to the change log text box below for recent changes to this article:

12/09/2015 - Added notes to clarify if the fault is present and the truck is not in load shed the complaint will need to be diagnosed.

09/11/2015 - Added TCM fault code to the list based on dealer feedback.

12/15/2014 - Updated fault code information. Added change log.

Description

Load shedding can cause fault codes to be logged in other modules. The faults will be active during load shedding.

The switch packs in the center panel are on a load shed circuit. When the unit goes into load shed, the switches do not have power to them. When the key is turned on, faults may be set by modules looking for communication from any of the switches.

The Adaptive Cruise forward facing radar is also on a load shed circuit, so a fault may be set for that module as well.

NOTE:

Components may be in the off state due to load shedding. Always verify the truck is NOT in load shedding prior to diagnosing electrical issues.

Possible Fault Codes

Module	SPN	FMI	Description
ECM	1590	19	Adaptive Cruise Control not detected on J1939
ECM	3695	19	DPF Regen Inhibit Switch status not detected on J1939
ECM	3696	19	DPF Park Regen Switch status not detected on J1939
ABS	231	2	HSA (Hill Start Aid) Switch error or unavailable
TCM	563	9 / 14	ABS CAN Message
Body Controller	3314	2	Fifth Wheel Jaw Unlock Switch state is invalid
Body Controller	2362	5	Work Light Undercurrent
Body Controller	3979	5	Floor Lights Relay Under Current or Open Circuit
Body Controller	520461	9	Switch 6-Pack #1 Data Link Comm. Failure
Body Controller	520462	9	Switch 6-Pack #2 Data Link Comm. Failure
Body Controller	520463	9	Switch 6-Pack #3 Data Link Comm. Failure
Body Controller	2058	14	Rear HVAC Data Link Comm. Failure

Troubleshooting

See if the unit is in load shedding. The standard load shed voltage is 12.1 vdc. If the voltage on the J6 (Gen II BCM) or J8 (Gen 4 BMC) power stud of the Body Controller is 12.1 vdc or less, there is a good possibility the truck is in load shedding. If you find the unit is in load shedding, no troubleshooting needs to be performed for these faults.

You can also make a session in DLB from the electrical load control feature that is installed on the truck. For assistance troubleshooting with DLB follow [IK2600008 - How to Diagnose Electrical Problems with Diamond Logic® Builder](#) .

Examples of possible Load Shed features in DLB:

0595ACL	BC Prog, Electrical Load Control
0595BRM	BC Prog, Electrical Load Control
0595BMY	BC Prog, Electrical Load Control

NOTE:

If a fault is present and you have verified the truck is not in load shedding, you will need to use the appropriate diagnostic manual and wiring schematic to troubleshoot the complaint.

Other Resources

- [Master Service Information](#)
- [ProStar®+ and LoneStar® \(EPA 10\) - Electrical Circuit Diagrams Manual – Models Built June 14, 2010 and After, Revision 4 \(Supersedes S08344 and S08371\)](#)
- [Electrical Circuit Diagrams - LoneStar® and ProStar® Chassis Built January, 2007 and After](#)
- [IK08000085 - ProStar® Electrical Load Shed Feature 08XEV](#)

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