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Coding Information

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Title: Faults Setting Due to Fast Key Cycles

Applies To: IC Electric CE Series

CHANGE LOG

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

7/20/2021 - Initial Article Release

DESCRIPTION

This document is a guide to quickly identify and clear erroneous fault codes set by 'fast key cycles'.

Multiple fault codes can be set by 'fast' key cycles. When power is removed from the various modules, they will independently, go offline according to their own internal housekeeping processes.

When the key is turned back to the 'on' position before all the modules have fully powered off; each module will be unable to power back up in the proper sequence, causing communication errors.

SYMPTOMS

AMBER Warning Lamp Illuminated (AWL)

DTC/Light	Description
90-SPN2128-9	Source Address 128 : Abnormal Update Rate
90-SPN2131-9	Source Address 131 : Abnormal Update Rate

SPECIAL TOOLS / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
Electronic Service Tool - NAVIGATOR TXT MULTIHUB Diagnostic Tool Kit	N/A	N/A	N/A

SERVICE PARTS INFORMATION

Kit Description	Part Number	Qty.	Notes
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		Required	
N/A	N/A	N/A	N/A

DIAGNOSTIC STEPS

Retrieve fault codes using an Electronic Service Tool - NAVIGATOR TXT MULTIHUB

Common codes for 'fast key cycles' are;

Source Address 128 : Abnormal Update Rate : 90-SPN2128-9

Source Address 131 : Abnormal Update Rate : 90-SPN2131-9

REPAIR STEPS

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

1. Clear fault codes using Electronic Service Tool - NAVIGATOR TXT MULTIHUB
2. Retest by turning the key off, wait for all modules to power down and then turn back on allowing ample time for the system to power up, which is confirmed by the DRIVE ENABLE INDICATOR in the gauge cluster, illuminating GREEN. Do this multiple times to insure the codes, do not return.
3. If fault codes do return, please follow diagnostic steps within the [Service Manual](#)

OTHER RESOURCES

[Master Service Information Site](#)

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