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Other Languages:	NONE	Author:	William Knoth
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Coding Information

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Title: Wabco OnGuard Software Update

Applies To: 500k Units with Wabco OnGuard with Cummins Engines built before 9-24-2018.

CHANGE LOG

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

03/05/2019 - Added DTC list, Fixed links, Updated TP-18032 link, Updated module part number list
 10/02/2018 - Update build breaks and software links
 04/17/2018 - Initial Article Release

DESCRIPTION

This document will provide the user with information on updating the Wabco OnGuard system software.

This software update only applies to 500K OnGuard systems with Cummins engines built before 9/24/2018.

The software update is intended to reduce potential false occurrences of the collision mitigation system alerts and interventions. If any DTCs other than those listed below are present they must be diagnosed first.

SYMPTOM(s)

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

DTC/ SPN-FMI	Description
SPN 527 - FMI 09	CAN Time Out CCVS1_SA1 - Abnormal Update Rate
SPN 516096 - FMI 09	CAN Time Out CCVS1_SA2 - Abnormal Update Rate
SPN 516097 - FMI 09	CAN Time Out CCVS1_SA3 - Abnormal Update Rate
SPN 516998 - FMI 12	Wabco Production Data could not be read from EEPROM during startup - Bad Intelligent Device or Component
SPN 517653 - FMI 07	Motor azimuth : Blockage detected - Mechanical System not Responding : Out of Adjustment
SPN 517657 - FMI 07	Motor Azimuth : bemf speed is out of range for more than 5 minutes - Mechanical System not Responding : Out of Adjustment
SPN 517659 - FMI 07	Motor elevation : Fault while setting back The original plate position occurred. - Mechanical System not Responding : Out of Adjustment

Customer Observations or Concerns:

Potential false occurrences of collision mitigation system following distance audible and visual alerts.

Potential false occurrences of collision mitigation system interventions including audible and visual alert, engine derate, engine brake activation, and foundation brake application.

Note: This software update reduces only the fault codes listed, if any other faults are present they must be diagnosed, and the system reevaluated.


SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
EST		Electronic Service Tool	
Wabco TOOLBOX Software		Version 12.5 or high	

SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required	Notes
Not applicable			

DIAGNOSTIC STEP(s)

 WARNING:	<p>To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.</p>
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Step	Action	Decision
1	DIAGNOSTIC: Are there any active faults in the OnGuard system, other than the listed faults?	Yes. Diagnose these faults and retest for the customer complaint.
		No. Go to Step 2.

Step	Action	Decision
2	DIAGNOSTIC: Check the forward radar for any alignment faults and/or bumper damage. Is the bumper damaged and or radar in need of an alignment?	Yes. Repair the bumper as needed and perform radar alignment per the OnGuard Manual MM-1306 and retest for the customer complaint.
		No. Please proceed to step 3.

OTHER RESOURCES

[Master Service Information Site](#)

www.Wabco-na.com

[OnGuardActive ECR 2.3 Download](#)

[Wabco OnGuard Maintenance Manual MM-1306](#)

[OnGuard Active Operations Manual](#)

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