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## Service Information Bulletin

SUBJECT	DATE
SPN 1590/FMI 9 - CPC- All Years	February 2014

### Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	DD Platform	SPN 1590/FMI 9 - All Years	The diagnostics have been clarified and screen shots have been added.



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## 2 SPN 1590/FMI 9 - ALL YEARS

This diagnostic is typically Adaptive Cruise Control Message Not Received.

**Table 1.**

SPN 1590/FMI 9	
Description	Adaptive Cruise Control Message Not Received
Monitored Parameter	PGR034 adaptive cruise control enable
Typical Enabling Conditions	Key is on, CPC is online, CAN network is online, Adaptive Cruise Control System is equipped, 10 seconds after the engine has been cranked.
Monitor Sequence	None
Execution Frequency	Continuous when enabling conditions met
Typical Duration	2 seconds
Dash Lamps	None
Engine Reaction	None
Verification	Engine running for 1 minute

1. Connect DiagnosticLink™.
2. Turn the ignition ON (key ON, engine OFF).
3. Verify that the vehicle is equipped with an adaptive cruise system. Is the vehicle equipped with adaptive cruise?
  - a. Yes; Go to step 5.
  - b. No; Go to step 4.
4. Verify that the "adaptive cruise control enable" parameter PGR043 is disabled; refer to the Application and Installation (A&I) manual. Is parameter PGR043 disabled?
  - a. Yes; replace the Common Powertrain Controller (CPC). Verify repair.
  - b. No; Change the "adaptive cruise control enable" parameter PGR043 to disabled. Verify repair.
5. Verify that the "adaptive cruise control enable" parameter PGR043 is enabled; refer to the Application and Installation (A&I) manual. Is parameter PGR043 enabled with the correct Adaptive Cruise Control System?
  - a. Yes; refer to OEM literature to diagnose the concern. Verify repair.
  - b. No; change parameter PGR043 to enabled. Verify repair.

Parameters Engine: DDEC13-DD15 Transmission: DT12-DT12 DA DiagnosticLink

Green House Gas Emissions Group Coding Strings Idle and RTO Shutdown Inputs and Outputs Optimized Idle Progressive Shift PTO Speed Limiter Transfer Accumulators

All Parameters Compare Parameters Compare Server Data Cruise Control DPF History Engine Brake Config Engine Protection Fan Fleet Management Fuel Economy

Parameter	Value	Units	M...	Max...	Description
PGR030 Engine Configuration					
PGR031 Vehicle Parameters III					
PGR032 Coolant Level Sensor					
PGR035 Digital Outputs					
PGR037 Fault Management					
PGR038 Vehicle Speed Governor					
PGR039 Vehicle Mass					
PGR040 Anti Tampering					
PGR041 Component ID					
PGR042 Das					
PGR043 Acc					
ACC accept Resume Time	30	s	0	255	(043/001) Time span after reception of CCVS Pause command from Wabco Ac...
Adaptive Cruise Control Enable	disable				(043/002) vehicle equipped with ACC system
Fast ACC Gov Engine brake mode	none				(043/003) New ACC Gov Engine brake mode
Manual Cruise Enable	enable				(043/004) Manual Cruise Enable(via double toggle) after Acc system failure
ACC1 Tx Mode Selection	disable				(043/005) CPC to send ACC1 message to support legacy products
PGR044 SynGov					
PGR046 Diesel Particulate Filter					
PGR047 Ag					
PGR048 Ptconf					
PGR049 Reserved					
PGR050 HDMS Fan					
PGR051 Idle Volume					
PGR052 Soft Cruise					

Parameters were successfully read from the device.

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Figure 1. GHG14 Adaptive Cruise Control Enable

Parameters Engine: DDEC13-DD15 Transmission: DT12-DT12 DA DiagnosticLink

Green House Gas Emissions Group Coding Strings Idle and PTO Shutdown Inputs and Outputs Optimized Idle Progressive Shift PTO Speed Limiter Transfer Accumulators

All Parameters Compare Parameters Compare Server Data Cruise Control DPF History Engine Brake Config Engine Protection Fan Fleet Management Fuel Economy

Parameter	Value	Units	Min	Max	Description
PGR030 Engine Configuration					
PGR031 Vehicle Parameters III					
PGR032 Coolant Level Sensor					
PGR035 Digital Outputs					
PGR037 Fault Management					
PGR038 Vehicle Speed Governor					
PGR039 Vehicle Mass					
PGR040 Anti Tampering					
PGR041 Component ID					
PGR042 Dss					
PGR043 Acc					
ACC accept Resume Time	30	s	0	255	(043/002) time span after reception of CCVS Pause command from Wabco Acc...
Adaptive Cruise Control Enable	0 disable				(043/002) vehicle equipped with ACC system
Fast ACC Gov Engine brake mode	0 disable				(03) few ACC Gov Engine brake mode
Manual Cruise Enable	1 Eaton Vorad Adaptive Cruise Device				(04) Manual Cruise Enable(via double toggle) after Acc system failure
ACC1 Tx Mode Selection	2 Meritor Wabco Adaptive Cruise Device				(05) PC to send ACC1 message to support legacy products
PGR044 SynGov					
PGR046 Diesel Particulate Filter					
PGR047 Ag					
PGR048 Ptconf					
PGR049 Reserved					
PGR050 HDMS Fan					
PGR051 Idle Volume					
PGR052 Safe Cruise					

Parameters were successfully read from the device.

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Figure 2. GHG14 Adaptive Cruise Control Enable Options

**Parameters** DiagnosticLink

Group Coding Strings | Idle and PTO Shutdown | Inputs and Outputs | Optimized Idle | Progressive Shift | PTO | Speed Limiter | Transfer Accumulators

All Parameters | Compare Parameters | Compare Server Data | Cruise Control | Engine Brake Config | Engine Protection | Fan | Fleet Management | Fuel Economy

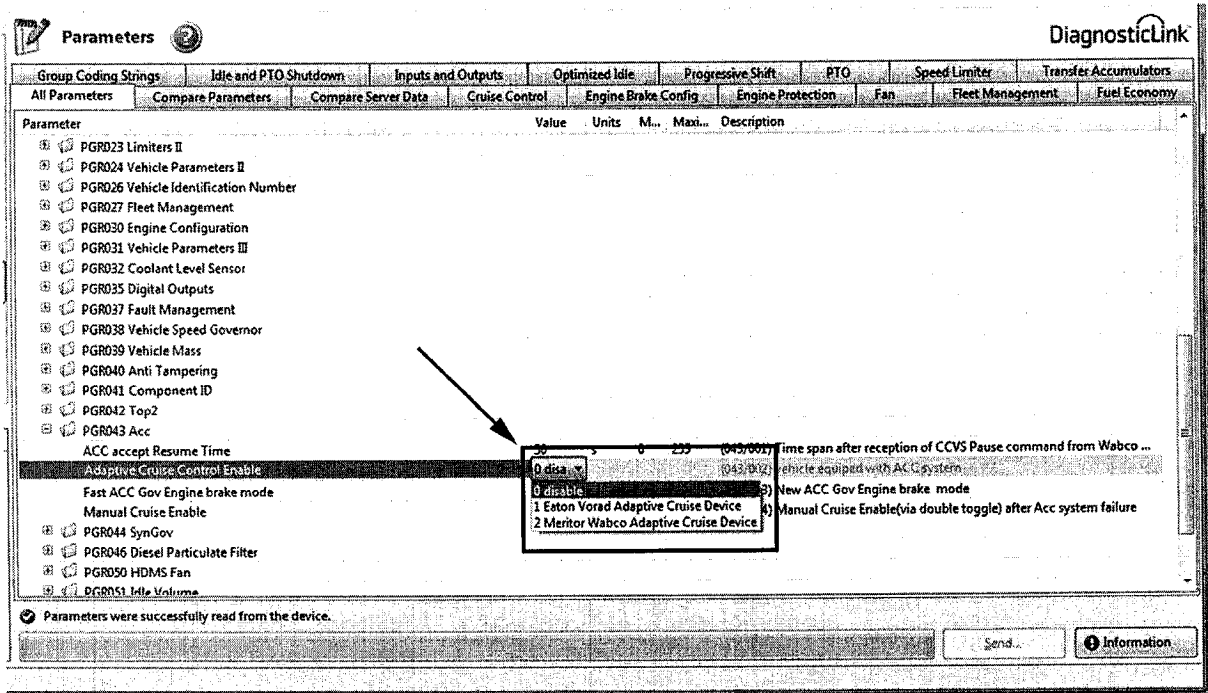
Parameter	Value	Units	M...	Max...	Description
ACC accept Resume Time	30	s	0	255	(043/001) Time span after reception of CCV5 Pause command from Wabco ...
Adaptive Cruise Control Enable	disable				(043/002) vehicle equipped with ACC system
Fast ACC Gov Engine brake mode	none				(043/003) New ACC Gov Engine brake mode
Manual Cruise Enable	enable				(043/004) Manual Cruise Enable(via double toggle) after Acc system failure
PGR023 Limiters II					
PGR024 Vehicle Parameters II					
PGR026 Vehicle Identification Number					
PGR027 Fleet Management					
PGR030 Engine Configuration					
PGR031 Vehicle Parameters III					
PGR032 Coolant Level Sensor					
PGR035 Digital Outputs					
PGR037 Fault Management					
PGR038 Vehicle Speed Governor					
PGR039 Vehicle Mass					
PGR040 Anti Tampering					
PGR041 Component ID					
PGR042 Top2					
PGR043 Acc					
PGR044 SynGov					
PGR045 Diesel Particulate Filter					
PGR050 HDMS Fan					
PGR051 Idle Volume					

Parameters were successfully read from the device.

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Figure 3. EPA10 Adaptive Cruise Control Enable



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Figure 4. EPA10 Adaptive Cruise Control Enable Options