



**No.: 13 TS-2**  
 January 31, 2013

TO: Service Locations

FROM: Service Operations

SUBJECT: **Single-Speed Fan Operation on Cascadia Vehicles**

NOTE: This document supersedes 08 TS-14Rev.

**ISSUE**

DDC has received complaints on engine fan operation when A/C is turned ON in Cascadia vehicles equipped with single-speed fans. There are settings required for proper operation and this letter shares those parameters. This letter updates the settings for fan type and PWM type.

**REQUIRED ACTION**

Using the following chart, ensure the CPC and MCM parameters are configured as listed when confronted with a complaint of fan operation in Cascadia vehicles equipped with single-speed fans.

NOTE: It is normal for the fan to operate at idle when the truck is stopped with the parking brake applied and the chassis A/C system is activated. This is intended to reduce the fan cycling while the driver is sleeping in the bunk during warm weather.

CPC Group	Parameter	Value
PGR001	CM1 Fan Source Addr1 SAE J1939	25 - HVAC Module, A/C Fan Request
PGR001	CM1 Fan Source Addr2 SAE J1939	49 – MSF Module, Fan Override Switch
PGR006	Mode of A/C Status Input	0 – Disabled
PGR019	J1939 Fan Request Enable	For units with A/C and a Fan Override Switch: 1-CM1 from SA1 (see 001/008) and SA2 (see 001/009)  For units with A/C only: 2-CM1 from SA1 (see 001/008) only
PGR019	Air Condition Enable Auto Fan	0 – Disabled
PGR019	Fan A/C Hold Time	180 sec
PGR019	Hold Time Fan	0 sec
PGR050	HDMS Transducer Enable	0 – Disable

<b>MCM Group</b>	<b>Parameter</b>	<b>Value</b>
PGR001_2_PropValve	PWM14 Configuration	17 – Fan 1
PGR001_PropValve	PWM6 Configuration	0 – not parameterized
PGR006_FanConfig	Fan Type	7 – Single-Speed Fan – 1 output

## **CONTACT INFORMATION**

Please contact the Detroit™ Customer Support Center at (800) 445-1980 or email [csc@daimler.com](mailto:csc@daimler.com) if you have any questions.