

08/11/2020
CAL FTL 54-010

Subject: New Cascadia ABS Warning Light Illumination

Models Affected: Freightliner New Cascadia

Our records indicate that you are the owner of certain vehicles and therefore DTNA has decided to share the following documentation with you.

We hope you find this information helpful.

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Work Instructions

Subject: New Cascadia ABS Warning Light Illumination

Models Affected: Freightliner New Cascadia

REVISED: This CAL replaces the CAL issued June 17th, 2020. The phrase "if equipped" in reference to cab load disconnect switches has been removed.

General Information

NOTE: New Cascadia vehicles and the first generation Cascadias have entirely different ABS architecture.

Due to the enhanced vigilance of the New Cascadia ABS controller, some fault codes and indicator lights do not necessarily require immediate maintenance attention. DTNA and WABCO are currently jointly working on a long-term corrective plan for the condition.

This short-term corrective action procedure clears an unexpected trap handler fault (629/11). However, the system must pass all safety-related self-diagnostic routines at initialization of the ABS system for the ABS lamp(s) to extinguish. The procedure will not erase, remove, or disable ABS fault indication that is stored over a key cycle and/or battery cycle.

If the corrective action procedure is successful, the vehicle does not need to be routed to a service facility.

If the indicator lights remain active, a different situation exists in the ABS functionality of either the tractor, trailer, or both. The vehicle will need to be inspected at an appropriate service facility.

Corrective Action

If a driver experiences loss of cruise control and either or both of the ABS warning telltales appear (see [Fig. 1](#)) as well as the Adaptive Cruise Control (ACC) Unavailable pop-up (see [Fig. 2](#)) and the Active Brake Assist (ABA) Alert pop-up [Fig. 3](#)), pull over safely at the nearest convenient stop or the next planned stop.

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Fig. 1, ABS Telltales on ICUC Instrument Cluster



ABS Warning Telltales	
 Tractor ABS Warning Light	Solid illumination indicates a problem with the vehicle ABS.
 Trailer ABS Warning Light	Solid illumination indicates a problem with the vehicle ABS.

Table 1, ABS Warning Telltales

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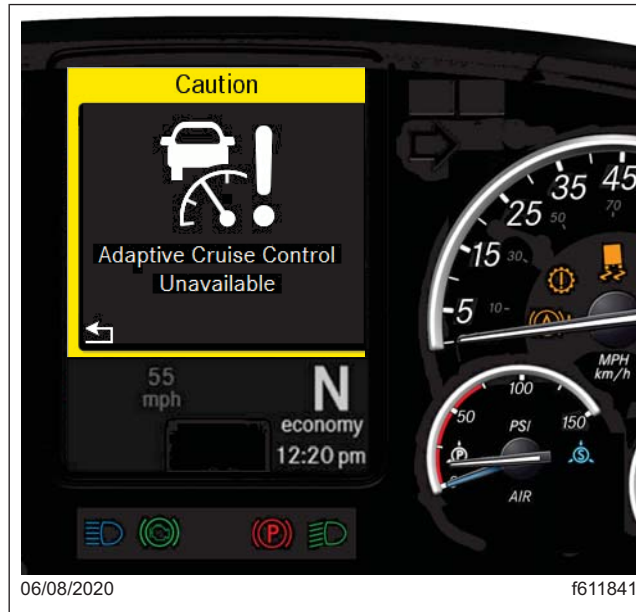


Fig. 2, Adaptive Cruise Control (ACC) Unavailable Pop-Up

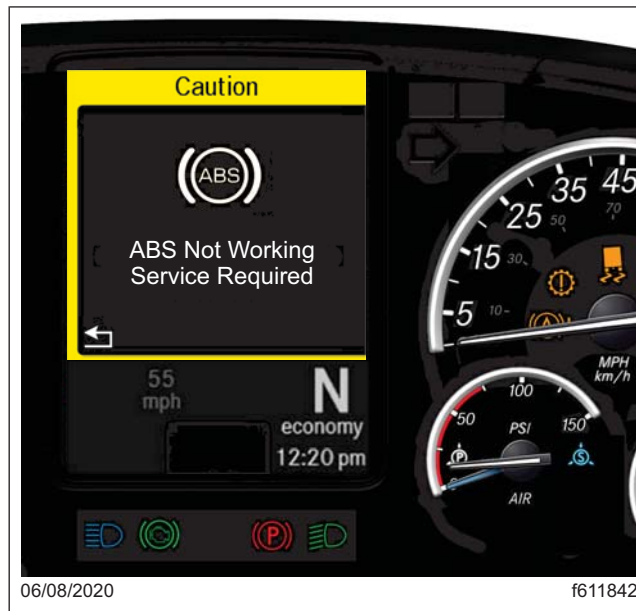


Fig. 3, Active Brake Assist (ABA) Alert Pop-Up

To verify if these are legitimate warnings, perform the following steps in order:

1. Set the parking brakes for both the tractor and the trailer.
2. Turn the ignition switch to the OFF position.
3. Turn the cab load disconnect switch (CLDS) to the OFF position

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4. Wait a minimum of 30 seconds.
5. Turn the cab load disconnect switch (CLDS) to the ON position.
6. Turn the key to the ON position and verify, after an ICU self-check, that the ABS warning telltales do not remain illuminated.
7. If a code remains after cycling, the vehicle may need to be driven for up to 15 mph (24 kph) to clear it.
8. If the indicator lights remain active after the vehicle is driven up to 15 mph (24 kph), a different situation exists in the ABS functionality of either the tractor, trailer, or both. The vehicle will need to be inspected at an appropriate service facility.