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Coding Information

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Title: MEDIUM DUTY COLD WEATHER OPERATION

Applies To: ALL MEDIUM DUTY INTERNATIONAL ENGINES

DESCRIPTION

In some areas of the country with ambient temperatures below 15F (-10C) and high levels of humidity, an operator may experience engine stalling and poor aftertreatment performance. This is caused by condensation accumulating in the Charge Air Cooler (CAC) and freezing; affecting intake air flow.

PROCEDURE

A solid winter front should be installed to limit air flow through the cooling module. The winter front should cover the entire front opening of the grill and bumper with a small opening (2" x 2") in the middle to allow signal air flow for the fan drive sensor. Not including this small opening will cause intermittent fan operation that will over-cool the CAC even if a winter front is installed.

NOTE: Winter fronts that have large slots and do not cover the bumper opening are not effective in preventing CAC freezing.

In extreme cases when operating below 0F (-15C) it may be necessary to use a cover for the CAC.

WARNING: Winter fronts and CAC covers should be opened or removed when operating in temperatures above 35F(0C) or engine could overheat and be damaged.

RECOMMENDATION: When available shutters should be ordered to automatically compensate for cold temperature operation.

PREFERRED DESIGN

Source - Navistar (supplier - Belmor)

Part Number:

White - ZEDWF2195L (WF-2195L)

Yellow - ZEDWF2195LY (WF-2195LY)

Compatible Vehicles:

AE, BE, CE bus

TerraStar

Low Cab DuraStar

Mid Cab DuraStar

Not compatible with High Cab DuraStar or WorkStar.**Note - flush mount bumper assumed for all compatible vehicles****Proper fitment examples:**

Not compatible with high cab DuraStar or WorkStar; too short



Acceptable Design:



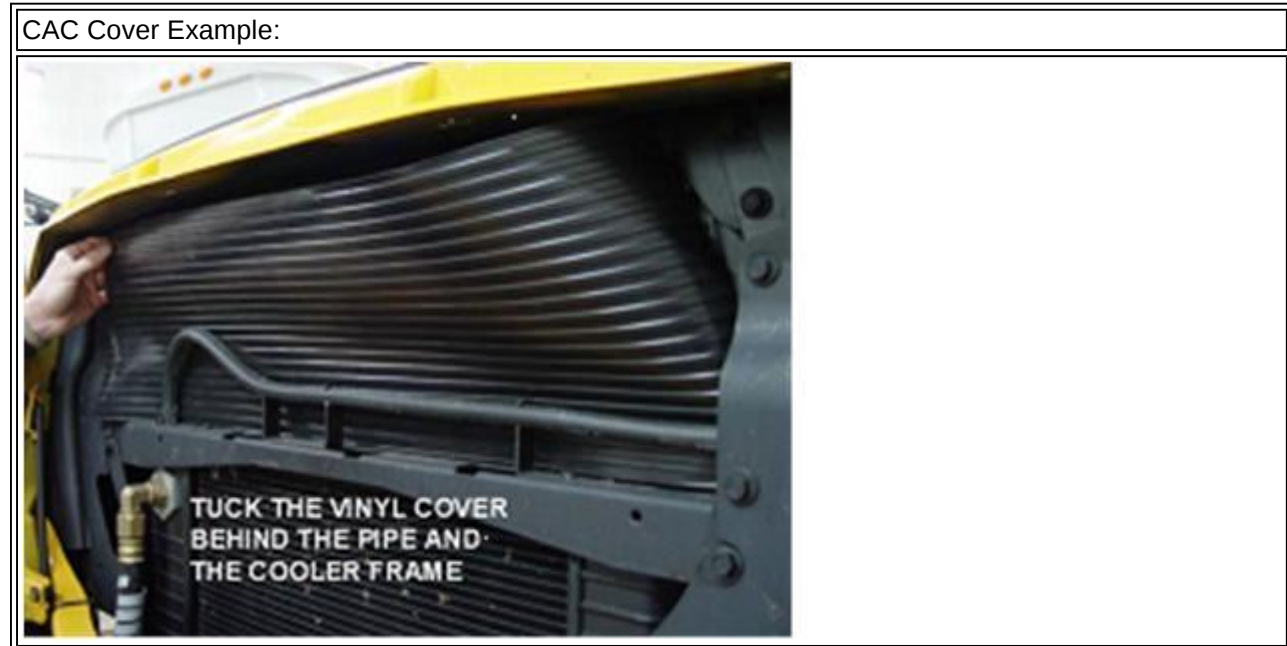
Acceptable Design - Part Number - CEWF-FULL



CAC COVER

In extreme cases when operating below 0F (-15C) it may be necessary to use a cover for the CAC.

- Covers can be fabricated locally - see example below



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