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Coding Information

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Title: Winter Front Usage

Applies To: All medium and heavy duty Navistar vehicles operating in very cold climates

CHANGE LOG

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

10/13/15 - Added information for heavy duty products and added part numbers
 4/30/15 - Author updated for feedback purposes

DESCRIPTION

In some areas with ambient temperatures reaching 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 Navistar approved winter front should be installed to limit air flow through the cooling module. Navistar approved refers to any parts that can be purchased through the International parts system.

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.

SERVICE PARTS INFORMATION

Part Number	Part Description	Model
ZEDWF2109	WINTERFRONT	9900
ZEDWF2109	WINTERFRONT	9900
ZEDWF2109	WINTERFRONT	9900
ZEDWF2167	COVER-RAD WINTER FRONT	4300/4400/8500
ZEDWF2167	COVER-RAD WINTER FRONT	4300/4400/8500
ZEDWF2167	COVER-RAD WINTER FRONT	4300/4400/8500
ZEDWF2171	COVER,RAD WINTER FRONT	7000 series, '02+
ZEDWF2171	COVER,RAD WINTER FRONT	7000 series, '02+
ZEDWF2171	COVER,RAD WINTER FRONT	7000 series, '02+
ZEDWF2189Y	SCREEN,WEATHER FRONT YELLOW	IC Bus
ZEDWF2189Y	SCREEN,WEATHER FRONT YELLOW	IC Bus

ZEDWF2189Y	SCREEN,WEATHER FRONT YELLOW	IC Bus
ZEDWF2195	WINTERFRONT 3 SLOT WHT CE BUS	IC CE Bus 04+
ZEDWF2195	WINTERFRONT 3 SLOT WHT CE BUS	IC CE Bus 04+
ZEDWF2195	WINTERFRONT 3 SLOT WHT CE BUS	IC CE Bus 04+
ZEDWF2195L	WF WH INTL CE BUS EXTD	IC-CE Bus 04+ long
ZEDWF2195L	WF WH INTL CE BUS EXTD	IC-CE Bus 04+ long
ZEDWF2195L	WF WH INTL CE BUS EXTD	IC-CE Bus 04+ long
ZEDWF2195LY	WF YL INTL CE BUS EXTD	IC CE Bus 04+ long yellow
ZEDWF2195LY	WF YL INTL CE BUS EXTD	IC CE Bus 04+ long yellow
ZEDWF2195LY	WF YL INTL CE BUS EXTD	IC CE Bus 04+ long yellow
ZEDWF2195Y	WINTER FRONT YELLOW CE BUS	IC-CE Bus 04+yellow
ZEDWF2195Y	WINTER FRONT YELLOW CE BUS	IC-CE Bus 04+yellow
ZEDWF2195Y	WINTER FRONT YELLOW CE BUS	IC-CE Bus 04+yellow
ZEDWF2201	WINTERFRONT	7000
ZEDWF2201	WINTERFRONT	7000
ZEDWF2201	WINTERFRONT	7000
ZEDWF2214	INTERNATIONAL 7000	7000 Series Utility only
ZEDWF2214	INTERNATIONAL 7000	7000 Series Utility only
ZEDWF2214	INTERNATIONAL 7000	7000 Series Utility only
ZEDWF2219	PROSTAR WINTER FRONT	ProStar
ZEDWF2219	PROSTAR WINTER FRONT	ProStar
ZEDWF2219	PROSTAR WINTER FRONT	ProStar
ZEDWF2219F	WF WH INTL PROSTAR W/FLAPS	ProStar with closing flaps
ZEDWF2219F	WF WH INTL PROSTAR W/FLAPS	ProStar with closing flaps
ZEDWF2219F	WF WH INTL PROSTAR W/FLAPS	ProStar with closing flaps
ZEDWF2219PS	WINTERFRONT WHITE VINYL W PROS	ProStar with logo
ZEDWF2219PS	WINTERFRONT WHITE VINYL W PROS	ProStar with logo
ZEDWF2219PS	WINTERFRONT WHITE VINYL W PROS	ProStar with logo
ZEDWF2233	WINTERFRONT BLK VINYL-SNAPS	FE Bus 06+ (upper)
ZEDWF2233	WINTERFRONT BLK VINYL-SNAPS	FE Bus 06+ (upper)
ZEDWF2233	WINTERFRONT BLK VINYL-SNAPS	FE Bus 06+ (upper)
ZEDWF2234	WINTERFRONT BLK VINYL-SNAPS	FE Bus 06+ (lower)
ZEDWF2234	WINTERFRONT BLK VINYL-SNAPS	FE Bus 06+ (lower)
ZEDWF2234	WINTERFRONT BLK VINYL-SNAPS	FE Bus 06+ (lower)

PREFERRED DESIGN**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

CAC Cover Example:



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Feedback Information

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