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**Viewed:** 1765

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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:

- 1/19/18- Added notes and comments for A26
- 7/13/17- Added LT part #
- 1/20/16 - Added note about PSI 8.8L engines
- 1/15/16 - Removed duplicates from parts section
- 10/13/15 - Added information for heavy duty products and added part numbers

## DESCRIPTION

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

## PROCEDURE

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 and CAC covers should be opened or removed when operating temperatures are above 35F (0C), engine overheating could occur causing engine damage.

### **NOTE:**

Winter fronts are **not to be used** with the PSI 8.8L propane engine.

### **NOTE:**

Winter covers that are installed on A26 vehicles cannot be fully closed, they will require an opening to allow 25% airflow.

### **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.

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

**SERVICE PARTS INFORMATION**

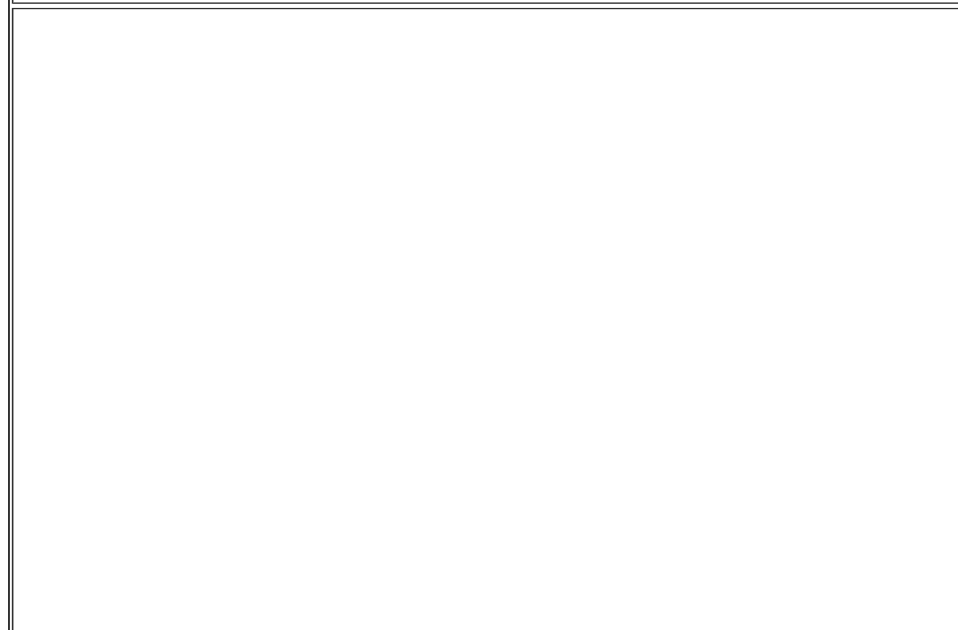
**NOTE:**

**PREFERRED DESIGN**

Not compatible with High Cab DuraStar or WorkStar  
 Note: flush mount bumper assumed for all compatible vehicles

<u>Part Number</u>	<u>Part Description</u>	<u>Model</u>
<u>ZEDWF2109</u>	<u>Winterfront</u>	<u>9900</u>
<u>ZEDWF2167</u>	<u>Cover-Rad WF</u>	<u>4300/4400/8500</u>
<u>ZEDWF2171</u>	<u>Cover-Rad WF</u>	<u>7000 Series '02+</u>
<u>ZEDWF2189Y</u>	<u>Screen-WF Yellow</u>	<u>IC Bus</u>
<u>ZEDWF2195</u>	<u>WF 3 Slots White CE Bus</u>	<u>IC-CE Bus '04+</u>
<u>ZEDWF2195L</u>	<u>WF White International CE Bus Extd</u>	<u>IC-CE Bus '04+ (Long)</u>
<u>ZEDWF2195LY</u>	<u>WF Yellow International CE Bus Extd</u>	<u>IC-CE Bus '04+ (Long Yellow)</u>
<u>ZEDWF2195Y</u>	<u>Winter Front Yellow CE Bus</u>	<u>IC-CE Bus '04+ (Yellow)</u>
<u>ZEDWF2201</u>	<u>Winterfront</u>	<u>7000</u>
<u>ZEDWF2214</u>	<u>International 7000</u>	<u>7000 Series Utility Only</u>
<u>ZEDWF2219</u>	<u>Prostar WF</u>	<u>ProStar</u>
<u>ZEDWF2219F</u>	<u>WF White Int ProStar w/Flaps</u>	<u>ProStar w/Closing Flaps</u>
<u>ZEDWF2219PS</u>	<u>WF White Vinyl w/ProStar</u>	<u>ProStar w/Logo</u>
<u>ZEDWF2233</u>	<u>WF Black Vinyl w/Snaps</u>	<u>FE Bus '06+ (Upper)</u>
<u>ZEDWF2234</u>	<u>WF Black Vinyl w/Snaps</u>	<u>FE Bus '06+ (Lower)</u>
<u>ZEDWF3033</u>	<u>Winterfront</u>	<u>LT</u>

**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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