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Title: Winter Grille Cover

Applies To: All Medium and Heavy-Duty International Vehicles (Truck & Bus) Operating in Very Cold Climates.

## CHANGE LOG

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

12/18/2025 - Correcting the ambient air temperatures for truck with the S13 engine from -40C to 40F.  
11/04/2025 - Updating P/N table and Including Canadian Supplier P/Ns and contact info.  
01/28/2021 - Updating P/N table and adding photos for each cover available.  
03/06/2020 - Updated article layout and current parts list.  
02/11/2020 - Responded to feedback via email and republished article.  
12/23/2019 - Responded to feedback via email and republished article.  
11/19/2018 - Responded to feedback by email.  
11/19/2018 - Added RH model.  
10/08/2018 - Added notes and comments for gasoline engine.  
03/02/2018 - Changed title and verbiage from Winter cover to grille.  
02/01/2018 - Changed Navistar to International.  
01/19/2018 - Added notes and comments for A26.

## DESCRIPTION

In some geographic areas, ambient temperatures reaching below 40°F (4°C), including 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. This article lists currently available winter front covers that can be installed on the front grille and bumper to reduce cold air flow to the engine compartment.

## PROCEDURE

International-approved winter front grille covers should be installed to limit air flow through the cooling module. International-approved refers to any parts that can be purchased through the International parts system. We are currently bringing a Canadian supplier up to speed, and their contact info and P/Ns are not listed in this article. However, their covers are not available through the parts catalog at this time and can be purchased directly from them at any time.

### **NOTE:**

- Engine overheating and damage can occur if the Winter grille & CAC covers are closed when ambient air temperatures are above **35°F (0 °C)** To ensure proper engine operation, the cover flaps should be opened or remove the cover completely when ambient air temperatures exceed **35°F (0 °C)**. (For S13 see comments below)
- Winter grille covers that have large slots and do not cover the bumper opening are not effective in preventing CAC freezing. In extreme cases, when operating below **0°F (-15 °C)**, it may be necessary to use a cover for the CAC.
- Winter grille covers are **NOT** recommended for **8.8 PSI propane and gasoline-equipped** buses.
- **A26-equipped** vehicles require air flow of **25%** across the cooling package. In extreme cases, engine de-rates will occur due to charge air cooler (CAC) efficiency.

- S13 equipped vehicles require the front grill to be completely covered with a winter grille cover when the air temperature is 40°F (4°C) or colder while driving on open roads at highway speeds. When operating stop/go in the city or at extended idle periods where the air temp is 40°F or higher the cover flaps may need to be opened or remove grille cover completely depending on environmental conditions.

## SERVICE PARTS INFORMATION

- Refer to Part Catalog for Availability.

### NOTE:

**1. These Covers are NOT compatible with High Cab MV(DuraStar) or High Cab HV(WorkStar).**

**2. Flush-mount bumper assumed for all compatible vehicles.**

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

### Winter Front Covers for Truck

Part Number	Type	Model	Model Year	Color	Winter Front Kit Description
ZEDWF2219	Truck	RH	2017-2024	White	RH-Hardware Included with Cutouts
ZEDWF2219F	Truck	RH	2017-2024	White	RH-Hardware Included with Flaps
ZEDWF2219PS	Truck	RH	2017-2024	White	RH-Hardware Included (Has Printed ProStar Logo) with Cutouts
ZEDWF2219USA	Truck	RH	2017-2024	White	RH-Hardware Included (American Flag Print) with Cutouts
S-ProStar (Canadian MFR-Canevabec)	Truck	RH	2017-2024	Black	Prostar/RH-Hardware Included - Black Insulated/Quilted with Flaps
ZEDWF2219	Truck	Prostar	2005-2016	White	Prostar-Hardware Included with Cutouts
ZEDWF2219F	Truck	Prostar	2005-2016	White	Prostar-Hardware Included with Flaps
ZEDWF2219PS	Truck	Prostar	2005-2016	White	Prostar-Hardware Included (Has Printed ProStar Logo) with Cutouts
ZEDWF2219USA	Truck	Prostar	2005-2016	White	Prostar-Hardware Included (American Flag Print) with Cutouts
S-ProStar (Canadian MFR-Canevabec)	Truck	Prostar	2005-2016	Black	Prostar/RH-Hardware Included - Black Insulated/Quilted with Flaps
ZEDWF3035	Truck	Original MV/4000	2017-2022	White	4000 Series - No Drill; Hardware Included with Cutouts
S-MV2022- (Canadian MFR-Canevabec)	Truck	Original MV/4000	2017-2022	Black	4000 Series - Hardware Included - Black Insulated/Quilted with Flaps
ZEDWF3033	Truck	LT-Older Bar Style Grille	2017-2024	White	LT - Hardware Included with Cutouts
ZEDWF3033F	Truck	LT-Older Bar Style Grille	2017-2024	White	LT - No Drill; Hardware Included with Flaps
S-LT (Canadian MFR-Canevabec)	Truck	LT-Older Bar Style Grille	2017+	Black	LT - Hardware Included - Black Insulated/Quilted with Flaps
S-LTS13 (Canadian MFR-Canevabec)	Truck	LT-Black Honeycomb Grille	2024+	Black	LT W/New Honeycomb grille - Black Insulated/Quilted with flaps
TBD - (Belmor)	Truck	LT-Black Honeycomb Grille	2024+	White	LT W/New Honeycomb grille - White Vinyl
TBD - (Belmor)	Truck	LT-Black Honeycomb Grille	2024+	Black	LT W/New Honeycomb grille - Black Vinyl
TBD - (Belmor)	Truck	LT-Black Honeycomb Grille	2024+	Black	LT W/New Honeycomb grille - Black Insulated/Quilted
ZEDWF3036	Truck	HX620	2017-2024	Black	HX620 - No Drill; Hardware Included with Cutouts
ZEDWF3039	Truck	HX520	2017-2024	Black	HX520 - Drilling Required; Hardware Included with Cutouts
ZEDWF3043	Truck	CV	2019+	White	CV Series

ZEDWF2109	Truck	9900; 9900I; 9900IX	1998-2008	White	9900; 9900I; 9900IX-2 Cutouts w/Printed Diamond Logo w/Construction Duty-Hdw
ZEDWF2079	Truck	9400; 9400I	1997-2008	White	9400; 9400I - Hardware Included with Diamond Logo with Cutouts
ZEDWF1644	Truck	9300 Eagle	1985-2000	White	9300 Eagle - Hardware Included with Cutouts
ZEDWF2079	Truck	9100; 9200; 9200I	1997-2011	White	9100;9200;9200I - Hardware Included with Diamond Logo with Cutouts
ZEDWF1878	Truck	7100; 8100	1990-2001	White	7100 & 8100 -Hardware included with Cutouts
ZEDWF2214	Truck	7000 -Stationary Grill	2007-2019	White	7000-Stationary Grill - Hardware Included with Cutouts
ZEDWF2171	Truck	7000 Series	2002-2005	White	7000 Series - Hardware Included with Cutouts
ZEDWF2201	Truck	7000 Series	2006-2019	White	7000 Series - Hardware Included with Cutouts
ZEDWF2109	Truck	5900I CONSTRUCTION DUTY	2000-2017	White	5900I - 2 Cutouts with Printed Diamond Logo w/Construction Duty-Hardware
ZEDWF2079	Truck	5600I Set Back Axle	2000-2004	White	5600I Set Back Axle-Hardware Included with Diamond Logo with Cutouts
ZEDWF2079	Truck	5500I Set Front Axle	2000-2004	White	5500I Set Front Axle-Hardware Included with Diamond Logo with Cutouts
ZEDWF2167	Truck	4000;4300;4400	2001-2019	White	4000;4300;4400 - Hardware Included with Cutouts
ZEDWF1886	Truck	3000; 4600; 4700; 4800; 4900	1982-2000	White	3000; 4600; 4700; 4800; 4900 -Hardware included with Cutouts
ZEDWF3046	Truck	New MV Low Hood	2023+	White	MV-CE Bus - No Drill; Hardware Included with Cutouts
ZEDWF3046B	Truck	New MV Low Hood	2023+	Black	MV-CE Bus - No Drill; Hardware Included with Cutouts
ZEDWF3046Y	Truck	New MV Low Hood	2023+	Yellow	MV-CE Bus - No Drill; Hardware Included with Cutouts
S-MV2023+ (Canadian MFR-Canevabec)	Truck	New MV Low Hood	2023+	Black	MV-CE Bus - Snap Hardware Included - Black Insulated/Quilted with Flaps
ZEDWF3047	Truck	New MV Low Hood	2023+	White	MV Series - No Drill; Hardware Included (Solid no cutouts or flaps)
ZEDWF1885	Truck	9400	1990-1998	White	9400 - Hardware Included with Cutouts
ZEDWF1885	Truck	9200	1993-1996	White	9200 - Hardware Included with Cutouts
ZEDWF2173	Truck	8600	2002-2010	White	8600 Series - Hardware Included with Cutouts
ZEDWF2167	Truck	8500	2002-2010	White	8500 - Hardware Included with Cutouts
ZEDWF1886	Truck	3000	1982-2000	White	3000 -Hardware included with Cutouts

### Winter Front Covers for Bus

Part Number	Type	Model	Year	Color	Winter Front Kit Description
ZEDWF3046	Bus	Next Gen - CE & ECE Bus	2023+	White	MV-CE Bus - No Drill; Hardware Included with Cutouts
ZEDWF3046B	Bus	Next Gen - CE & ECE Bus	2023+	Black	MV-CE Bus - No Drill; Hardware Included with Cutouts
ZEDWF3046Y	Bus	Next Gen - CE & ECE Bus	2023+	Yellow	MV-CE Bus - No Drill; Hardware Included with Cutouts
5-MV2023+ (Canadian MFR-Canevabec)	Bus	Next Gen - CE & ECE Bus	2023+	Black	MV-CE Bus - Snap Hardware Included - Black Insulated/Quilted with flaps
ZEDWF2195	Bus	CE Bus	2013-2022	White	CE Bus - Hardware Included with Cutouts
ZEDWF2195L	Bus	CE Bus	2013-2022	White	CE Bus - Extended/Long; Hardware Included no Flaps
ZEDWF2195Y	Bus	CE Bus	2013-2022	Yellow	CE Bus - Hardware Included with Cutouts
ZEDWF2195LY	Bus	CE Bus	2013-2022	Yellow	CE Bus - Extended/Long; Hardware Included no Flaps
ZEDWF2195	Bus	IC Bus	2013-2022	White	IC Bus - Hardware Included with Cutouts
ZEDWF2195Y	Bus	IC Bus	2013-2022	Yellow	IC Bus - Hardware Included with Cutouts
ZEDWF2295	Bus	BE School Bus	2006-2015	White	BE School Bus - Hardware Included
ZEDWF2295L	Bus	BE School Bus	2006-2015	White	BE School Bus - Extended/Long; Hardware Included
ZEDWF2195Y	Bus	BE School Bus	2006-2015	White	BE School Bus - Hardware Included with Cutouts
ZEDWF2195LY	Bus	BE School Bus	2006-2015	Yellow	BE School Bus - Extended/Long; Hardware Included
ZEDWF2233	Bus	FE Bus	2006-2010	Black	FE Bus - Hardware Included with snaps with Cutouts
ZEDWF2234	Bus	FE Bus	2006-2010	Black	FE Bus - Hardware Included with Snaps with Cutouts
ZEDWF2195L	Bus	IC Bus	2004-2022	White	IC Bus - Extended/Long; Hardware Included no Flaps
ZEDWF2195LY	Bus	IC Bus	2004-2022	Yellow	IC Bus - Extended/Long; Hardware Included no Flaps
ZEDWF1888Y	Bus	3800 Bus	2001-2004	Yellow	3800 Bus - Hardware included with Cutouts

### Examples of Properly Fit Winter Front Covers



**Not Compatible with High Cab MV(DuraStar) or High Cab HV (WorkStar)**



### **CAC COVER INFORMATION**

#### **NOTE:**

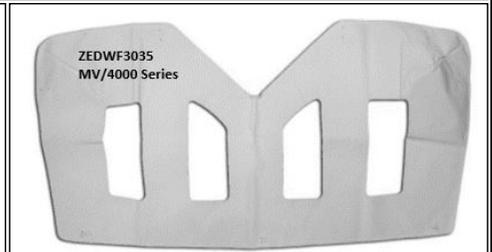
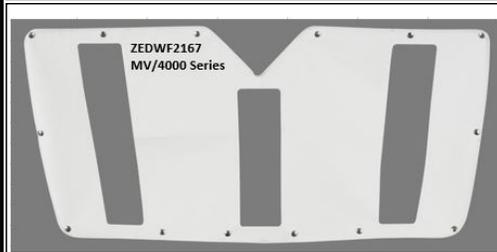
**In extreme cases, when operating below 0°F (-15 °C), it may be necessary to use a cover for the CAC.**

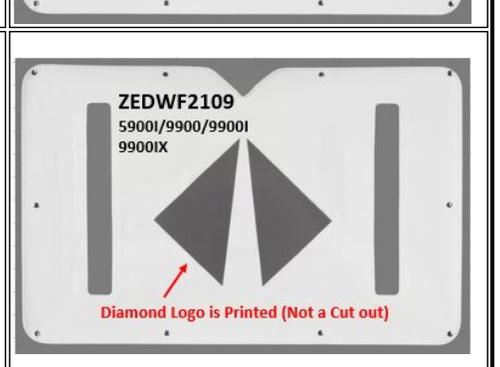
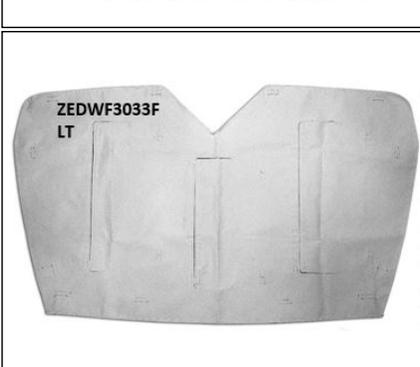
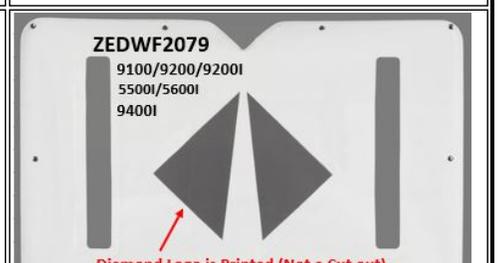
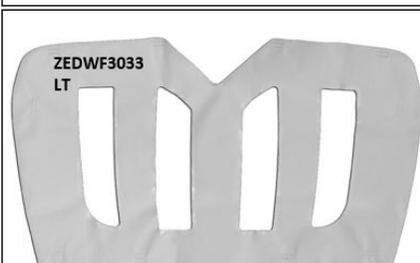
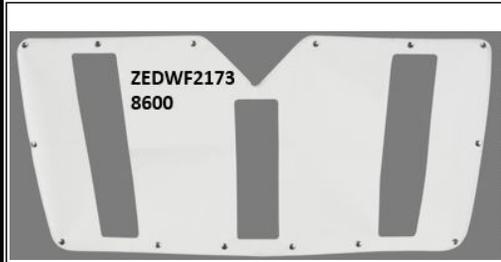
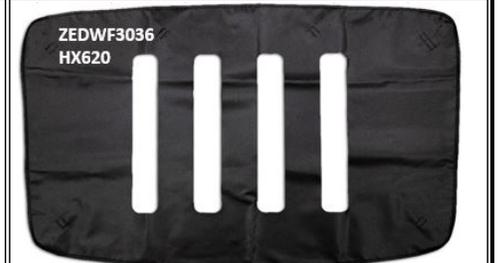
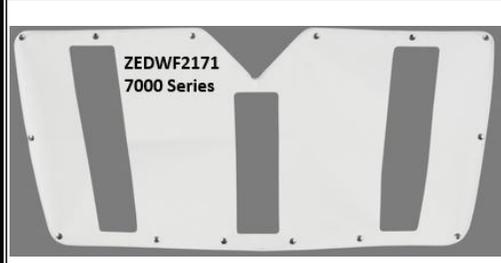
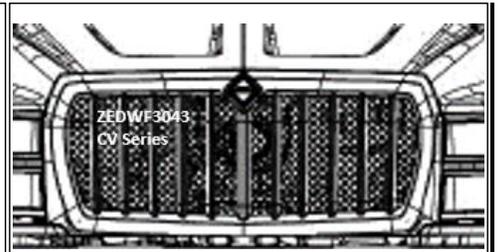
- **Covers can be fabricated locally - see example below**

#### **CAC Cover Example:**



\*\*\*\*\* **WINTER FRONTS FOR TRUCK** \*\*\*\*\*





\*\*\*\*\* WINTER FRONTS FOR BUS \*\*\*\*\*





**Canadian Supplier Contact Info:**

**Email:** [serviceclient@canevabec.com](mailto:serviceclient@canevabec.com)

**Phone:** 819-864-6854; Press 0 and ask operator for English-speaking rep



**WARRANTY INFORMATION**

**Warranty Claim Coding:**

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

**Standard Repair Time(s):**

Refer to the [SRT Manual](#) for Repair Times

**OTHER RESOURCES**

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