



WINTERFRONTS- CHECK EACH DAY

SERVICE NOTICE #17-0321



REMINDER – SPRING IS HERE!

Believe it or not Spring is here, even with 3 feet of snow! Temperatures are up and down this time of year so winterfronts may be needed one day and not the next or for the morning run and not the afternoon run!

Heat is good for Diesel emissions, but like everything too much heat is not good. The next page has information from Cummins on the use of winterfronts.

Remind drivers to pay close attention to their gauges or provide drivers with an ambient temperature they can use as a guideline for removal.

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Winterfronts and Shutters

Winterfronts and shutters can be used on a vehicle or equipment to reduce air flow through the radiator core into the engine compartment. This can reduce the time required to warm the engine and help maintain the engine coolant temperature. The engine coolant temperature specifications are in the Maintenance Specification (Section V).

Cold Weather Operation cont..

- Minimize heat loss:
 - Use a temperature controlled fan
 - Viscous or on/off type clutch
 - Properly sized vent lines to reduce coolant flow bypassing the thermostat
 - **Use of a winter front**
 - **A minimum opening of 60 square in. is required for the ISB CM850**
 - **A minimum opening of 120 square in. is required for the ISC/ISL CM850, ISM CM870/875 & ISX CM870 engines**
 - **A series of slots is preferable to one large opening in the center of the CAC**

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