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Coding Information

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Title: 2630-16 CACOT Under Cooling Faults on N13 WorkStar Plow Truck Application

Applies To: All N13 WorkStar Snow Plow Applications

## CHANGE LOG

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

01/06/2016 - Added link to training site for Level 3 DLB access  
 12/22/2016 - Added a new template with the option to adjust on/off temp and timer.  
 12/06/2016 - Added a note to the instruction steps.  
 11/17/2016 - Eliminated fan override switch field correction. Added DLB ladder logic template as latest field correction.  
 03/01/2016 - Added diagnostic manual link in step 4 of the repair procedure  
 02/22/2016 - Initial Article Release

## DESCRIPTION

N13 WorkStars equipped with a snow plow may set 2630-16 faults without an issue with the sensor or circuit. Cruising at highway like speeds with the plow blade raised in the air can cause enough reduction in air flow over the CAC to set a 2630-16 CAC Undercooling fault. See 'Repair Steps' below for the correction.

**NOTE: VERIFY THERE IS NO DIRT/DEBRIS IN THE CAC AND THAT THE OPERATOR WAS NOT USING A WINTER FRONT IN WARM WEATHER**

## SYMPTOM(s)

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

DTC/Light	Description
2630-16	CACOT Under Cooling

Customer Observations or Concerns:

MIL illuminated after driving with the plow raised at highway speeds.

## SPECIAL TOOL(s) / SOFTWARE

Tool Description
ServiceMaxx
Diamond Logic Builder

## SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required
Not Applicable		

## DIAGNOSTIC STEP(s)

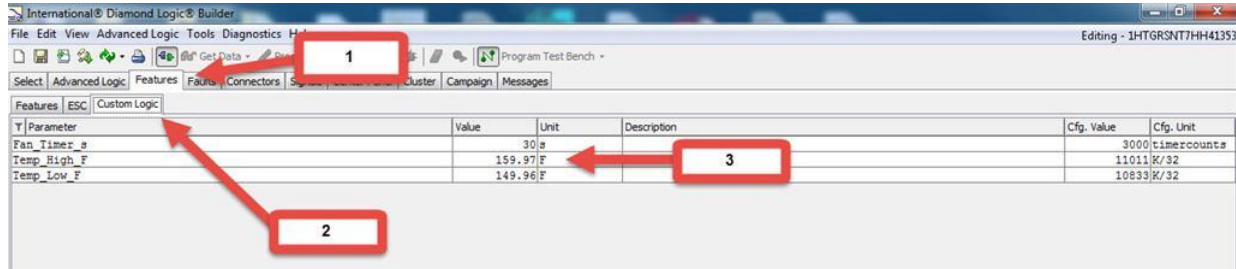
Not Applicable

## REPAIR STEP(s)

INSTALLATION PROCEDURE:

1. Connect EZ-Tech to 9-pin.

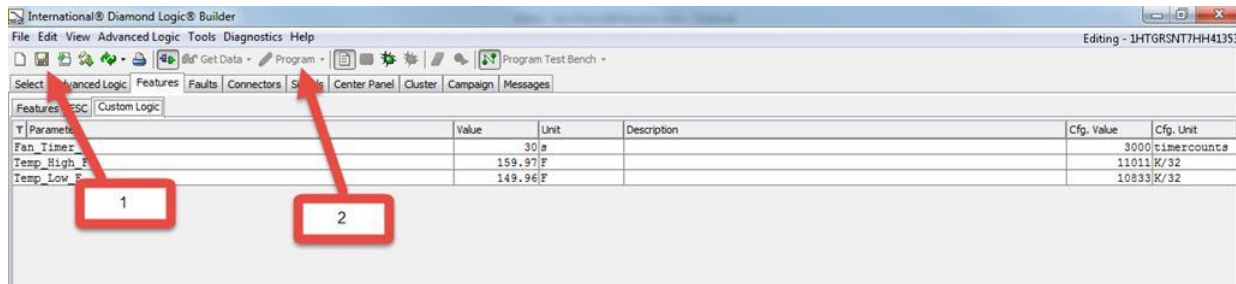
2. [Click Here](#) to Download the Diamond Logic Template file. Save to desktop.
3. Upload template to truck via DLB. [Click here](#) for instructions on importing/exporting DLB .IVA files. **NOTE: When applying the template ONLY select 'ADVANCED LOGIC'. Checking 'apply all' or any other box will create undesirable results. In order to install the template to the VIN you must have level 3 permission associated with your user ID. If you do not currently have level 3 permission [click here](#) to setup/enroll in the instructor led portion of the program. If you are unable to participate in the level 3 training and nobody else in your shop has level 3 access, please start a case file to assist you with attaching the template to the VIN.**
4. Test drive with the plow in the air at highway speeds to verify the fan engages, fault does not return and CACOT does not continuously rise with the fan on. NOTE: If the fault returns active with the fan on proceed by going through the 2630-16 diagnostics in the [engine manual](#)
5. If the fan is coming on and off at an unacceptable rate for the customer you may adjust the on/off temps and timer.



**Adjustable Parameters**

- Item 1: Features Tab
- Item 2: Custom Logic Tab
- Item 3: Adjustable Values

6. To access and change the variables: click on the features tab, then custom logic, then make your changes.



**Saving the Changes**

- Item 1: Save Button
- Item 2: Program button

7. After you have made your desired changes click the save button.
8. Ensure that the key is in the off position and the batteries are charged
9. Select the program option and wait until programing is complete.

**WARRANTY INFORMATION**

**Warranty Claim Coding:**

<b>Group:</b>	08526 - Body Electrical System Controller Components
<b>Noun:</b>	887 - Programming

**Standard Repair Time(s):**

**SRT Manual**  
[Click Here](#)

**Claim Comment Suggestion:**

PLEASE REFERENCE THIS IKNOW ARTICLE WHEN FILING YOUR WARRANTY CLAIM!

**Special Requirement(s):**

## **OTHER RESOURCES**

[Master Service Information Site](#)

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