



Service Information System

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SB-10056294-4006

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Special Instruction

Headlight Condensation or Frost on Certain CT660 On Highway Truck{7000}

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Headlight Condensation or Frost on Certain CT660 On Highway Truck{7000}

SMCS - 7000

On Highway Truck:

CT660 (S/N: TGA1-UP; TGD1-UP; TJD1-UP; TEJ1-UP; TRK1-UP; TKL1-UP; TEM1-UP; TEP1-UP; TGR1-UP; TGS1-UP; TJS1-UP; TGT1-UP; TGW1-UP; TSW1-UP; TEY1-UP; TSY1-UP; TEZ1-UP; TGZ1-UP)

Introduction

Condensation, fog, or moisture inside the lens of a headlight is common and expected under certain environmental conditions.

This special instruction describes how to determine whether the symptom is normal, or if further action is necessary.

Symptoms

Customer Complaint:

Frost, fog, or condensation is visible within the lens of a headlight. If the condition does not clear on own, follow the below Inspection Steps.

Inspection Steps

Pre-Inspection:

1. Describe the environmental conditions present just before or during the observed symptoms.
 - a) Temperature
 - b) Humidity
 - c) Precipitation

Inspection:

1. Observe whether condensation is currently visible.
2. Look for cracks on lens.
3. Check for loose electrical connection.

Diagnostic Steps

Condensation is a normal and expected condition that should usually clear on own within 1 hour. In conditions such as high humidity, heavy precipitation, or extreme cold, the clearing time can be much longer.

In extended periods of extreme weather, if the vehicle remains outside, the condition may not clear until the extreme weather subsides.

Diagnostics beyond general inspection are not recommended. Lights should not be replaced, unless the condensation has failed to clear or nearly clear under one of the following conditions:

1. Customer has driven the vehicle for at least 1 hour in dry weather conditions, with temperatures above freezing.
- OR
2. Vehicle has first been allowed to reach room temperature in a dry environment such as a garage. Park the vehicle for at least one additional hour. The process could take longer if the vehicle is cold soaked in extreme cold conditions.

Resolution

If the moisture clears under the conditions outlined under Diagnostic Steps, no action should be taken as the headlights are performing as intended.

If the moisture does not clear or if there is dirt and/or puddles of water, then the source of the intrusion should be identified.

Check the bulb connectors/covers and ensure that the sealing are properly. If not, reinstall and recheck.

If the above solution does not resolve or if the connectors/covers look appear to be damaged/defective, replace the offending components as replacing the entire housing. The replacement would be considered an over-repair.

If the connectors/covers are sealing properly, then check for a crack in the lens or a compromise in any of the joints of the headlight housing. If the housing is found to be defective, replace the defective parts.

Note: Damage due to external/physical damage are not considered warranty.

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