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Technical Information Bulletin

Troubleshooting Moisture/Condensation in CT660 Headlights{ 7000}

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Troubleshooting Moisture/Condensation in CT660 Headlights {7000}

SMCS - 7000

On Highway Truck:
CT660 (S/N: TRK1-UP; TKL1-UP)

Introduction

The problem that is identified in this technical information bulletin does have a known permanent solution. Use the solution that is identified below.

Problem

Condensation in a headlamp is normal and can be seen on virtually all headlamps except for glass sealed beam units. The CT660 headlamp uses a single gortex patch design for use in headlamp applications as a ventilation filter. The patch allows for air to enter the lamp and for air and water vapor to exit the lamp. The patch also prevents water from entering the lamp. Moisture condensation on the lens will become more prevalent under certain atmospheric conditions. When the sun heats the inside of the lamp, water droplets inside the lamp will turn to vapor. This vapor will then appear on the cold lens surface as condensation. This condition will remain until the lamp temperatures stabilize and the water droplets return to a vapor state.

Solution

Before replacing a headlamp for moisture complaint, drive the vehicle for 1 hour with the lights on. If the condensation goes away, the lamp is fine and there is no issue. If the moisture does not go away, replace the lamp.

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