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Coding Information

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Title: ProStar Mirror / Map Light / Visor LED Lighting Up when CB MIC is Keyed

Applies To: ProStar and LoneStar

Change Log

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

02/24/2016 - Edited content to clarify information based on dealer feedback.	
02/09/2016 - Updated information for clarity of replacing the map light LED.	
12/17/2015 - Edited coding so the article is visible to more countries.	
08/28/2015 - Added part number for an incandescent bulb replacement for the map light assembly.	
07/28/2015 - Added visor map light as possible complaint. Added photos fo capacitor and	

Description

Mirror LED is lighting up when CB Mic is keyed ON. Vehicles with LEDs in the cab, such as map lights, may experience the same symptom when the CB Radio Mic is keyed ON. This article outlines replacing the light assembly or installing a capacitor into the circuit to repair the issue.

Symptoms

- LED will light up while the CB Microphone is keyed on for the driver to speak. LED will remain lighted entire time the microphone is on.
- LEDs in the sleeper have seen a momentary flicker when the auxillary fan (if equipped) is turned on

Service Parts Information

Kit Description	Part Number	Quantity Required	Notes
LIGHT OHC MAP LIGHT	3865519C92	2	LED Service Replacement Part
1000 μ F (micro farad) capacitor	See Figure 1	1	*One capacitor per light *Obtain Locally
Lead Free Rosin Core Solder			*Obtain Locally
Heat Shrink Tubing			*Obtain Locally

Troubleshooting

1. Verify the LED is momentarily lighting up when CB Mic is Keyed ON, or the LED is illuminating per the driver's complaint. It is not recommended to replace lights or wire capacitors into trucks that do not exhibit this complaint.

Repair Steps

LEDs illuminating due to electromagnetic interference (EMI) or radio frequency interference (RFI) can be corrected using two different methods:

1. For the map light above the visor, it is advised to replace the LED bulb assembly a different LED bulb assembly 3865519C92. This LED assembly does not exhibit this complaint.
2. When a service replacement LED is not available, you will need to install a 1000 μ F (micro farad) capacitor in the LED circuit and do not replace the bulb assembly.
 - For example: Reading light LED in the sleeper.

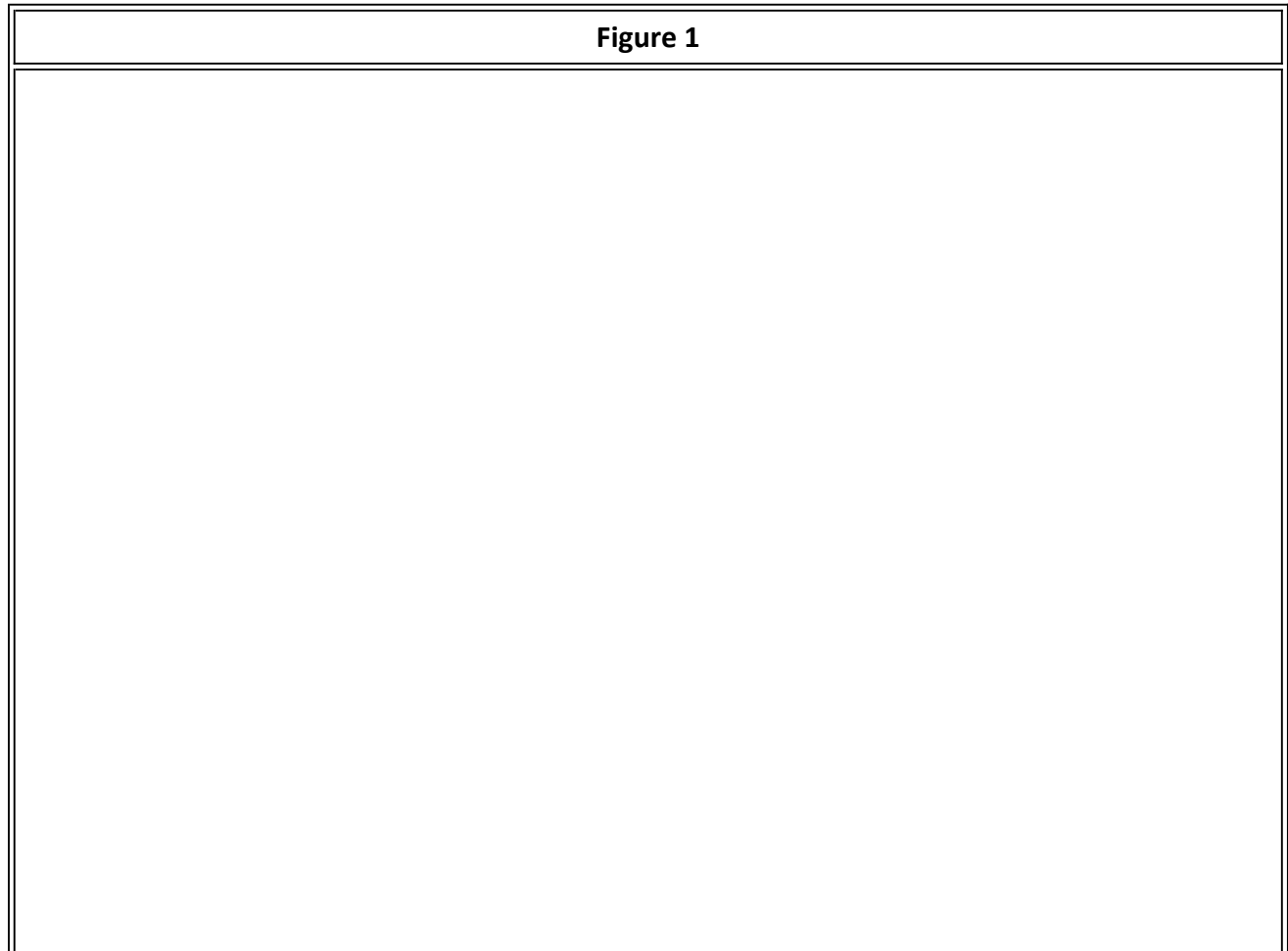
The repair procedure outlined below is for installing a capacitor in the LED circuit.

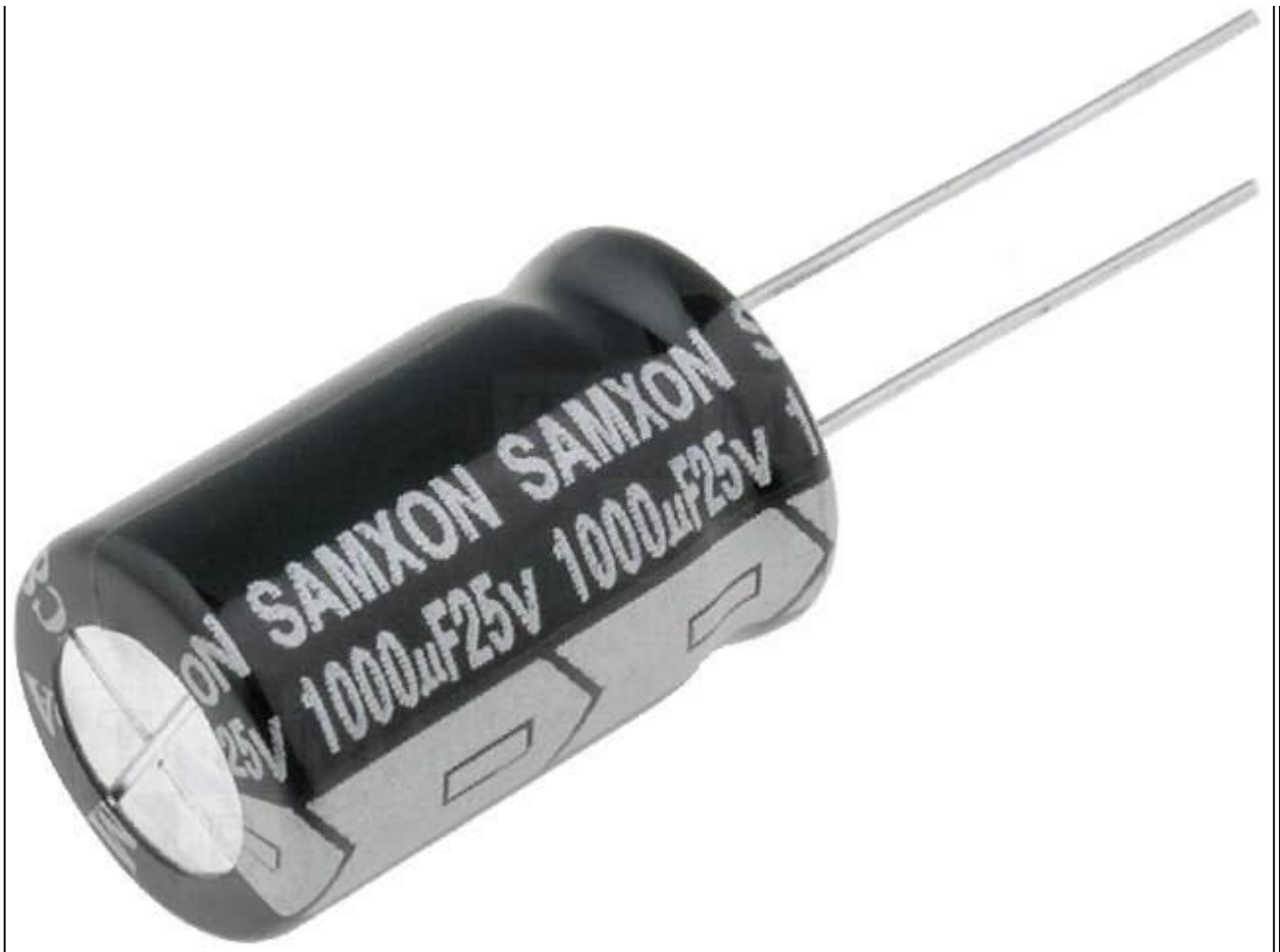
Technician should obtain locally a 1000 μ F (micro farad) capacitor and install it across the LED lead (from power to ground) for the LED that is affected.

NOTE:

The capacitors have specific polarity. Make sure the + lead on the capacitor is soldered to the power wire to the light.

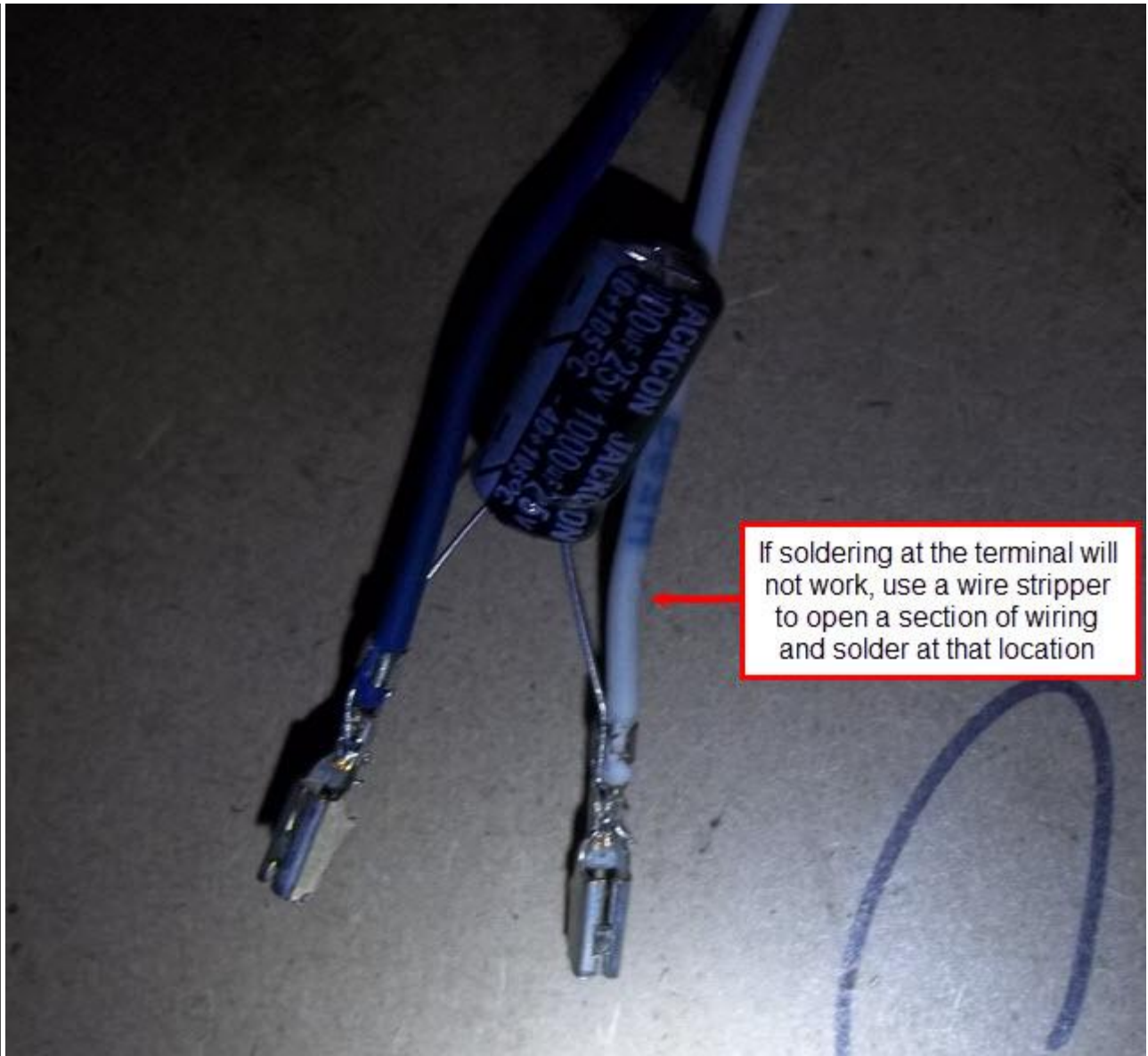
Figure 1





1000µF (micro farad) capacitor.

Figure 2



Solder the capacitor leads to the terminal crimp ends as shown.

- Ensure the capacitor is oriented properly. The positive lead of the capacitor needs to be on the positive wire to the light, and the negative lead of the capacitor needs to be on the negative wire to the light.
- Use caution not to damage any wiring or insulation.
- Use caution to ensure the terminals will fit properly into the connector body.

Figure 3



- Heat shrink the leads on the capacitor individually (not shown) so the capacitor leads cannot short together.
- Heat shrink around the capacitor to hold in place between the wiring as shown.

Circuit Diagrams

- Refer to the [Master Service Information](#) page of the Service Portal for the most current circuit diagram manuals

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