

Will-Burt Product Service Bulletin

**Night Scan Chief Tower Lighting Product Line
Circuit Board and Wiring Harness damage**

**Bulletin # 0108
January 29, 2015**

Product Market Segment	Product Line	Models Affected
Commercial Lighting	Night Scan – Chief models NS 1.8 and NS 2.3	Ship dates from 2/14/11 through January 1, 2015

Description of the Problem:

Some Night Scan Chief models shipped between February 14, 2011 and January 1, 2015 could experience abrasion of electrical wires in the Remote Controlled Positioner (RCP). This could lead to a ground fault and/or over-current situation of the electrical system if not properly grounded or circuit protected per NFPA and NEC circuit protection installation requirements. As with any AC electrical appliance, serious consequences can be experienced if it is not properly circuit protected.

Possible Causes:

In certain cases, wiring insulation within the RCP (Remote Controlled Positioner – Figure A) can come into contact with an abrasive surface (Figure B). Over an extended period of time, the abrasion could allow bare wires to come into contact with a metal surface resulting in an electrical short.



Figure A:
Night Scan Chief RCP



Figure B: RCP Wiring Through Coupling

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Corrective Actions:



Shock Hazard! Ensure that the power for the mast and lighting has been properly disconnected and lockout procedures are used before inspection or repair.

- Inspect the wiring bundle that passes through the coupling in the center of the RCP.
 - If no wear is evident on the wiring insulation or protective heat-shrink wrapping, no further action is necessary at this time. However, add inspection of the RCP wiring to your regularly scheduled maintenance routine of the Night Scan light tower.

- If wear is visible on the wire insulation, even if bare wires are not exposed, please take the following actions:
 - **Immediately discontinue use of product**
 - Call or e-mail customer service and request Chief RCP Wire Coupling Repair Kit Part # 5156901 free of charge
 - +1-330-684-5244 between the hours of 8am and 5pm EST Monday – Friday
 - rcowger@willburt.com

This repair requires a moderate level of mechanical and electrical ability. Tools required are Metric Allen wrenches and a flat screwdriver along with a heat gun for replacement of the shrink tubing on the outside of the wiring.