

Nightsun® XP Searchlight System **Service Letter #SL0616**

Issue Date: October 31, 2016

WARNING: TO AVOID POTENTIAL PROPERTY DAMAGE, ENSURE THAT THE AFFECTED MATERIAL IS INSPECTED AND/OR REMOVED AS DESCRIBED IN THIS BULLETIN.

Subject: This Bulletin is to alert owners and operators of Nightsun® XP Searchlight System of a potential damage to wire harness manufactured internal or external to Spectrolab.

Affected Products:

All Nightsun® XP Searchlight Systems utilizing Junction Box J11 Link Port Connector
ICD 032507 Revision F and previous
Nightsun® XP Junction Box Assembly 033340 Revision W and previous
Link Interface Cable 032929 Revision D and previous

Dear Valued Nightsun® XP User,

There is a potential fault condition that may result in damage to the Nightsun® XP Junction Box J11 Link Port aircraft harness which may be provided by Spectrolab. This fault condition occurs when there is a loss of the high current ground wire (AUX Return) connected to the Junction Box at (J10-D) that allows high current to flow through the Junction Box and out the serial communication ground pin (J11-7), a path that was not intended to exceed 100mA. Since the current through this alternate, if fault condition is present, may exceed 7 Amps, the wire can be overheated and cause damage to the aircraft wiring/harness connected to the Junction Box (J11) (Link Port/Connector) which may be manufactured by Spectrolab.

What you should do:

Inspection of the J11 Link Port Harness:

If a harness is connected to the Junction Box J11 Link Port, inspect the harness to verify the harness connector pin 7 is populated. If the connector pin 7 is populated, it is recommended that the pin be removed and secured to mitigate any potential for fault condition to arise. For proper communication operation, it is recommended that the ground used for the system connected to the J11 Link Port is the same as the Nightsun® XP Junction Box J10-D (Aux Return).

Please contact Spectrolab if more information is required.

Sincerely,


11/11/2016

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