

CUSTOMER ADVISORY BULLETIN

CAB-103

AERONAUTICAL ACCESSORIES, INC.
P.O. BOX 3689 • BRISTOL, TENNESSEE 37625-3689

SAFETY ALERT NOTICE

POTENTIAL PROBLEM AND SOLUTION SPECTROLAB SX-16 NIGHTSUN® SEARCHLIGHT

SUBJECT: **SX-16 NIGHTSUN SEARCHLIGHT QUICK MOUNT KITS:**
P/N 206-820-xxx
Installed on Bell 206A,B,L,L-1,L-3,L-4 Model Helicopters
P/N 407-820-xxx
Installed on Bell 407 Model Helicopters
P/N 412-830-xxx
Installed on Bell 205,212,412 Model Helicopters
P/N 058-830-xxx
Installed on Restricted TC Bell OH-58 Model Helicopters
P/N 369-830-xxx
Installed on MDHC 369/500 Model Helicopters

HELICOPTERS AFFECTED: All Bell 206A,B,L,L-1,L-3,L-4, 407, 205,212,412, Restricted TC Bell OH-58 and MDHC 369/500 Helicopters equipped with subject Quick Mount Kits.

DESCRIPTION: To ensure continuation of the excellent service of Aeronautical Accessories, Inc. Quick Mount Kits, This Customer Advisory Bulletin provides procedures for incorporating a retrofit kit. This kit will enhance the reliability and durability of the system's operation.

Date: July 20, 2000

1.0 PURPOSE

This Customer Advisory Bulletin is being issued to advise the user community of the possibility of diode malfunction in the Spectrolab SX-16 NIGHTSUN Searchlight junction box.

2.0 SCOPE

Aeronautical Accessories, Inc. has been notified by Spectrolab, Inc. of a potentially dangerous situation for the SX-16 NIGHTSUN Searchlight System.

3.0 OBSERVATIONS

Under certain operational conditions, diodes CR4 and CR5 in the junction box can malfunction causing an abnormal state of continuous conduction while the searchlight is in operation. If this happens, the diode's wiring will be severely overloaded, causing the wire to overheat and generate smoke.

4.0 DOCUMENTATION NEEDED FOR CORRECTIVE ACTION.

- CAB-103
- Spectrolab Safety and Service Bulletin #SL0600-01
- Spectrolab Service Bulletin SL0600-01A
- Spectrolab Procedure 032384
- Spectrolab Procedure 032401

5.0 CORRECTIVE ACTION

On all

6.0 CLASSIFICATION

- Product Improvement
- Reliability
- Service Life
- Performance

7.0 RECOMMENDED IMPLEMENTATION

- Immediately