



Lighted Medical Annunciator/Switch Assembly Service Bulletin 1

1. Planning Information

A. Effectivity

(1) Aircraft with ASU STC's installed, as follows:

1. SR01383SE – Bell 206A, 206B, 206L, 206L-1, 206L-3, 206L-4 and 407
2. SR01390SE – Eurocopter AS350B, AS350B2, AS350B3, AS350BA, and EC130B4
3. SR01476SE – Agusta S.p.A. A109, A109A, A109All, A109C, A109E, A109K2, A119, and AW119 MKII
4. SR01545SE – Bell 222, 222B, 222U, 230, and 430
5. SR01546SE – Airbus Helicopters Deutschland GmbH BO-105C, BO-105LS A-3, and BO105S
6. SR01611SE – Eurocopter Deutschland GmbH MBB-BK117 A-3, MBB-BK117 A-4, MBB-BK-117 B-1, MBB-BK-117 B-2, MBB-BK-117 C-1, and MBB-BK-117 C-2
7. SR01634SE – Bell 212, 412, 412EP

(2) Components affected: Medical Annunciator/Switch incorporating NVIS filter P/N ASU-412-MDAN-1.

(3) Manufacturer Part Number – Honeywell AML 21Series, 31 Series and 32 Series as listed in original design data for the switch installation or applicable supplemental type certificate master drawing list.

(4) Spare Parts affected: None.

B. Concurrent Requirements

Not applicable.

C. Reason

Filter P/N ASU-412-MDAN-1 is used to filter non-flight critical medical annunciators. It has been identified that, for some aircraft, procedures described in the Aircraft Specific ICA Appendices are inadequate to facilitate the replacement/installation of filter onto the face of a medical annunciator/switch. In this case, the procedure for blocking out incompatible light from the sides of the annunciator/switch specifies the incorrect material. Using the incorrect material may foul the function of the switch. Use of incorrect material does not introduce an unsafe condition to the aircraft.

D. Description

Medical annunciator/switch NVIS filtration procedure update.

E. Compliance

The inspection/repair of annunciator/switches shall be accomplished at the next Annual or 100 hour inspection, whichever occurs first.

F. Approval

The technical content of this document is approved under the authority of the Seattle Aircraft Certification Office.

G. Manpower

Time required to complete this process is estimated at 1 hour.



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H. Electrical Load Data

Not applicable.

I. Software Accomplishment Summary

Not applicable.

J. References

Aircraft Specific ICA Appendices

K. Other Publications Affected

Not applicable.

L. Interchangeability of Parts

Not applicable.

M. Weight and Balance

Not applicable.

2. Material Information

A. Material – Price and Availability

P/N: Lusterless flat black paint (Testors) <1 fl oz **Availability:** Locally Procurable **Cost:** \$3.00

B. Support Information

Modification Specification.

C. Re-identified Parts

Not applicable.

D. Special Tooling

Not applicable.

3. Accomplishment Instructions

A. Visually inspect the aircraft and determine if the medical lighted annunciator/switch assembly has been edge sealed with black RTV sealant

- (1) Carefully remove the illuminated button cap by firmly lifting it out of the housing. Visually inspect the sides of the illuminated button cap and insure that RTV sealant has not been applied to any part of the assembly.
- (2) If it is determined that black RTV was used to edge seal the switch assembly, use a plastic scraper and remove all traces of sealant.
- (3) Apply finish to the exterior surfaces of the illuminated button cap to block out incompatible light. Utilize ASU Modification Specification ASP-UV-2, steps 3-5 to correctly apply lusterless flat black paint to the four external side surfaces of the illuminated button cap.

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Example 1: Typical Lighted Medical Annunciator/Switch installation.



Example 2: Typical Lighted Medical Annunciator/Switch installation.



(4) Confirm accomplishment of this service bulletin by an entry in the historical record of the helicopter.

B. Any further questions can be directed to ASU's Repair Station at (208) 426-8117.

4. **Appendix:** ASP-UV-2, Rev. A dated 07/21/14