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| <b>Title: Super B Battery replacement with SBS 8 Battery</b>                                                                                                                                                                                                                                                                                                                     |                                                                                    |                                                                                  |
| <b>AG-SB-2018-06-B-EN</b>                                                                                                                                                                                                                                                                                                                                                        |                                                                                    | <b>Compliance Category:</b>                                                      |
| <b>Applicability</b>                                                                                                                                                                                                                                                                                                                                                             |                                                                                    | <b>A - MANDATORY</b><br><b>B - RECOMMENDED</b><br><del><b>C - OPTIONAL</b></del> |
| <b>Aircraft type &amp; model:</b><br><b>All models with Super B Battery fitted</b>                                                                                                                                                                                                                                                                                               | <b>Affected Serial number(s):</b><br><b>All models with Super B Battery fitted</b> |                                                                                  |
| The maintenance manual to be referenced is this stated or subsequent issue.                                                                                                                                                                                                                                                                                                      |                                                                                    | As per AutoGyro website                                                          |
| <p>This form is the response from AutoGyro GmbH either against a problem found in the product in service requiring a containment or rectification action, or as service information for aircraft modification incorporation.</p> <p>For help, contact AutoGyro on 49(0)5121 88056-00, or email <a href="mailto:airworthiness@auto-gyro.com">airworthiness@auto-gyro.com</a>.</p> |                                                                                    |                                                                                  |

### Documentation (Service Bulletin Completion action)

The accomplishment of this Service Bulletin, or the decision of its rejection, must be properly documented, if such procedure is required by the relevant authority

### Category Codes

- |                 |                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------|
| A – Mandatory   | – failure to comply result in a significant reduction of flight safety, injury or death |
| B – Recommended | – failure to comply may result in reduced safety margin, injury and/or equipment damage |
| C - Optional    | – improves operating behavior, reliability and/or maintainability                       |

|                                          |                                          |
|------------------------------------------|------------------------------------------|
| <b>Chief Certification Officer</b>       | <b>Chief Technical Officer</b>           |
| <br><br><br><br><br><br><br><br><br><br> | <br><br><br><br><br><br><br><br><br><br> |

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**Reason and overview of the Service Bulletin (cause of problem if known)**

It has been found that if the Super B battery should fail through electrical overload, then this can result in the generation of smoke (but not fire). This smoke generation could occur in flight, creating an operational hazard and pilot stress.

Failure of a normal lead acid battery does not generate such a hazard.

To remove this potential hazard, this bulletin issues instructions for the replacement of **all** Super B batteries installed in AutoGyro aircraft with an SBS 8 lead-acid gel type battery.

**Manpower estimates**

The task may only be performed by an organization or individual entitled and trained to carry out maintenance on AutoGyro aircraft.

Estimated man-hours to complete the task as a stand-alone item is:

approx. 1 to 4 hours depending on the aircraft installation and documentation requirements.

**Tooling required**

Standard tools.

**Weight and Balance Effects**

Plus 2 kg per battery

**Manuals affected**

POH AutoGyro and AMM AutoGyro are not affected, the SBS8 battery is already released for all markets.

**Previous Modifications that affect the SB**

None

**Accomplishment instructions (Action required to implement this bulletin):**

Effective date of this SB is 27<sup>th</sup> September 2018

**Instructions**

1. Remove any cowlings and components required to gain access to the battery.
2. Remove the battery in accordance with the relevant aircraft AMM, typically jobcard 24-30-00 4-1
3. Ensure new battery is serviceable and fully charged.
4. Fit the new battery and bracket in accordance with the relevant aircraft AMM, typically jobcard 24-30-00 4-1
5. Carry out functional test of the electrical systems.
6. Refit any previously removed components and cowlings.
7. Carry out a functional ground run of the aircraft.
8. Carry out a functional flight test of the aircraft.



Super B battery



Hawker SBS 8

**Completion of this Service Bulletin must be recorded within the aircraft documentation, in line with the requirements of the country of operation.**

**Material information (Parts required to be made to implement this service bulletin):**

Use the parts appropriate to the aircraft type.

30998 Hawker SBS8

32146 battery attachment kit SBS8 ETFE (for Cavalon)

44436 battery attachment kit SBS 8 (2017) (for MTO2017)

31385 installation kit SBS 8 battery (2010) (for MTOsport 2010)

31036 attachment kit battery SBS8 (for Calidus)

**List of components (with purchasable part nos)**

31025 Battery charger CTEK for normal lead-acid batteries

**Interchangeability**

Not affected

**Parts disposition**

- a) Disposal requirements – battery to be disposed of in accordance with manufacturers and local hazardous waste disposal instructions
- b) Environmental hazards of parts containing hazardous materials – Environmental hazards associated with the disposal or storage of Lithium Iron Phosphate batteries
- c) Scrap requirements (e.g. mutilate scrapped items beyond use) – Not applicable