

Battery 12V 8.0Ah – eliminate the risk of blown link

RECOMMENDED

Repeating symbols:

- ❖ **WARNING:** Identifies an instruction, which if not followed, may cause serious injury or even death.
- **CAUTION:** Denotes an instruction which if not followed, may severely damage the aircraft or could lead to suspension of warranty
- **NOTE:** Information useful for better handling

1. Planning information

1.1 Reference

1.1.1 All Gyrocopter

1. MTOsport: all models with battery „Cyclon 12V / 8.0Ah“
2. MT 03: all models with battery „Cyclon 12V / 8.0Ah“

1.2 Reason

Battery 12V 8.0Ah – eliminate the risk of blown link

1.3 Subject

Bridge the link between the two rows of battery cells

Customer Information 03/2008

1.4 Compliance

As soon as possible

- ❖ **WARNING:** by using Rotax 914 UL it is flight safety related
- **CAUTION:** by using Rotax 912 ULS it is not flight safety related

1.5 Approval

The technical content is approved under the authority of

- AutoGyro GmbH

1.6 Manpower

Estimated man-hours for disassemble / assemble battery ca. 0,5 h

1.7 Mass data

none change

1.8 Electrical load data

none change

1.9 References

In addition to this technical information refer to current issue of

- Parts catalog www.auto-gyro.com

1.10 Other publicatons affected

none

1.11 Interchangeability of parts

For revision please send battery

- within Germany to:
AutoGyro GmbH, Dornierstr. 6-8, D-31137 Hildesheim
- outside Germany:
International AutoGyro – Distributor

Customer Information 03/2008

2. Material Information

2.1 Material – cost and availability

Battery will be revised from AutoGyro GmbH or international Distributor and returned afterwards.

2.2 Material requirement per gyro

Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required when undergoing disassembly/assembly, always replace with a new one

2.3 Material requirement per spare part

- Plastic 4mm ties to retain battery cables (if removed)
- Self-locking fasteners M4 (4 pieces)

2.4 Rework of parts

None

2.5 Special tooling/lubricant-/adhesives-/sealing compound – Price and availability

None

Customer Information 03/2008



3. Accomplishment / Instructions

3.1 Accomplishment

All the measures must be taken and confirmed by the following persons or facilities:

- AutoGyro GmbH

- ❖ **WARNING:** Proceed with this work only in a non-smoking area and not close to sparks or open flames. Switch off ignition and secure engine against unintentional operation. Secure aircraft against unauthorized operation. Disconnect negative terminal of aircraft battery.
- ❖ **WARNING:** Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required when undergoing disassembly/assembly, always replace with a new one

3.2 Instructions

1. Block wheels against rolling away.
2. Remove key and ensure mag switches are "Off".
3. Disconnect battery-cable from airframe and isolate it with tape to prevent short circuits.
4. Disconnect battery from starter solenoid and isolate it with tape to prevent short circuits.
5. Remove, if required, the plastic ties that hold the battery cables to the airframe. Note where they are for replacement.
6. Remove the four mounting bolts that hold the battery onto the airframe. If required loosen fuel pumps.
7. Remove the battery.
8. Send battery
 - within Germany to:
AutoGyro GmbH, Dornierstr. 6-8, D-31137 Hildesheim or
 - outside Germany to:
international AutoGyro – Distributor
and await returning.
9. Refit the battery as a reverse of the removal procedure (Pos. 3 – 7), and ensure cables are secured. Reconnect the battery as the last action (first plus, then mass)

3.3 Checking of installation after completion

Customer Information 03/2008



1. Check the battery bolts are tight, and fuel pumps are secured with the bolts (two pumps for a 914).
2. Check starter solenoid bolt is tight.
3. Check all fastenings disturbed or new-made are tight.

3.4 Test run

After assembling the battery check if engine starts smoothly.

3.5 Summary

These instructions (section 3) have to be conducted in accordance with section 1.5.

The execution/completion of the mandatory Service information must be annotated in the aircraft logbook.

4. Fotos



4.1 Link at the base of the battery



4.2 Example of blown link