

Routing change of fuel tank breather hose

MANDATORY

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: time of manufacture 01.2007 - 07.2008
2. MT 03: time of manufacture 01.2007 - 07.2008
3. MT 03: all models which had an annual inspection with position of fuel tank breather hose between frame and tank
4. MTOsport: all models which had an annual inspection with position of fuel tank breather hose between frame and tank

1.2 Reason

Shape fluctuation due to loading and temperature of the fuel tanks can lead to a narrowing of the passage between tank and mainframe. As a result of a cross section narrowing the fuel tank breather hose may be crushed.

1.3 Subject

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Routing change of fuel tank breather hose on mainframe

1.4 Compliance

Within next inspection (25 or 100 hours)

- **NOTE** flight safety related
- **NOTE** this action occurs as a precaution

1.5 Approval

The technical content is approved under the authority of

- AutoGyro GmbH

1.6 Manpower

Estimated man-hours: transfer fuel tank breather hose ca. 0,1 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.de

1.10 Other publications affected

none

1.11 Interchangeability of parts

All used parts are mostly further usable

2. Material Information

2.1 Material – cost and availability

Unless the hose is actually completely crushed it is reusable. In case of doubt a spare part is available by request at AutoGyro GmbH or local agent

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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

1 x cable tie

2.4 Rework of parts

none

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

none

3. Accomplishment / Instructions

3.1 Accomplishment

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

- AutoGyro GmbH maintenance authorised persons
- AutoGyro GmbH

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- Bodies Approved by local country aviation authority to carry out the work
- ❖ **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. Fix stick in front position
3. Turn Flight/Brake-switch to „Brake“
4. Engage compressor to maximum compression
5. Fix rotor system from turning with tie down bag
6. Lift rear seat forwards and restrain in place necessary with a strp
7. Remove fuel tank breather hose from Y-piece
8. Extract hose between frame and tank (see pic. 1)
9. Fix hose with cable tie at mainframe (see pic. 2)
10. Reconnect hose to Y-piece
11. If the tank straps are loosened to remove the hose, ensure they are fully retightened

3.3 Checking of fuel tank breather hose

1. check clearance of all control rods and fork
 2. make sure fuel tank breather hose not kinked
- ❖ **WARNING:** fuel tank breather hose must be fixed with cable tie to ensure clearance of control rods and fork

3.4 Test run

After assembling test run with the engine running

3.5 Summary

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These instructions (section 3) have to be conducted in accordance with section 1.4.

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

4. Fotos

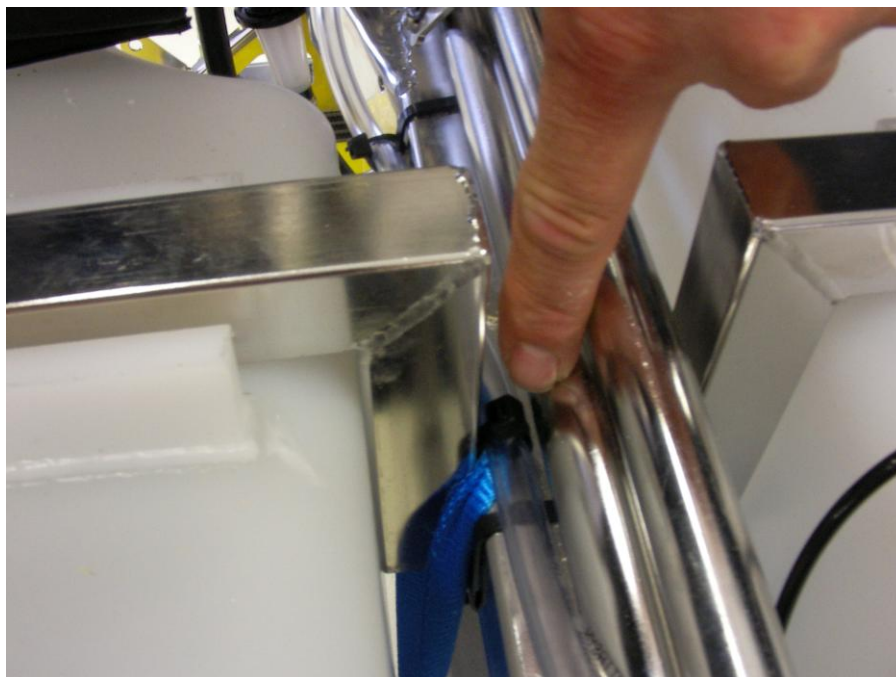
picture 1



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picture 2



Gyrofliegen...
die neue Dimension!

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