

# Customer Information 02/2010

## Control of Low Fuel Sensors Fuel Tank

### MANDATORY

#### Repeating Symbols:

Please pay attention to the following symbols throughout this document emphasizing particular information:

❖	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 gyroplane or lead to suspension of warranty.
➤	Note:	Information useful for better handling.

#### 1. Planning information

1.1	Gyroplane affected	MTOsport: built as of February until May 2010
1.2	Reason	During maintenance it has occurred that the connection of the low fuel sensor could cause leakage. In this case the reason for the leakage is a moving seal of the sensor inside the fuel tank.
1.3	Subject	Exchange of the affected fuel tank (Photo 4.1)
1.4	Compliance	At next preflight check Before next flight
1.5	Approval	The technical content is approved under the authority of AutoGyro GmbH
1.6	Manpower	Estimated working time for the exchange of fuel tank is approximately 1.5h
1.7	Mass data	No change
1.8	Electrical load data	No change
1.9	References	In addition to this technical information refer to current issue of: - spare part catalogue <a href="http://www.auto-gyro.com">www.auto-gyro.com</a>
1.10	Other publications affected	None
1.11	Interchangeability of parts	All old parts are not reusable and have to be sent back to AutoGyro or the authorized distribution partners.

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### 2. Material information

2.1	Material cost and availability	The specific spare part is available on request at AutoGyro GmbH. AutoGyro GmbH will cover the cost of the replacement after returning the old part.
2.2	Material requirement per gyroplane	If it is necessary to remove a component like lock wire or nylock nuts during assembly, it is obligatory to replace this part by a new one.
2.3	Material requirement per spare part	Fuel tank left M.BE13
2.4	Rework of parts	None
2.5	Special tooling / lubricant-/ adhesives-/ sealing compound	- Loctite 243 (blau) S.WZ10 - Loctite 5331 S.WZ11

### 3. Accomplishment / Instructions

3.1	Accomplishment	All the work must be done and confirmed by the following persons or facilities: - AutoGyro authorized persons - 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 gyroplane against unintentional operation. Disconnect negative terminal of aircraft battery.
	❖ Warning:	If it is necessary to remove a component like lock wire or nylock nuts during assembly, it is obligatory to replace this part by a new one.
3.2	Instructions	<ol style="list-style-type: none"> <li>1. Secure gyroplane with park brake on</li> <li>2. Secure control stick in full forward position</li> <li>3. Adjust flight/brake switch to "brake"</li> <li>4. Apply full pressure</li> <li>5. Secure rotor system</li> <li>6. Remove rear seat</li> <li>7. Remove front seat belt</li> <li>8. Remove front seat</li> <li>9. Drain both fuel tanks</li> <li>10. Remove fuel/breather hoses from fuel tank</li> <li>11. Remove holding straps</li> <li>12. Remove fuel tank by pulling out to front</li> <li>13. Check tube end cap</li> <li>14. Insert tank in reverse order</li> <li>15. Fasten holding straps and pay attention to the correct tension</li> <li>16. Attach all fuel /breather hoses</li> <li>17. Refill fuel tanks and check for leakage</li> <li>18. Install front seat</li> <li>19. Install front seat belt</li> <li>20. Install rear seat</li> </ol>

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3.3	Test run	Conduct test run and check for leakage
3.4	Summary	These instructions (section 3) have to be conducted in accordance with compliance in section 1.4. Confirm the implementation of the specific service bulletin in aircraft log.

### 4. Photos

