

Customer Information 03/2010

Control of Prerotator pulley small

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	MT 03: all models built until December 2007
1.2	Reason	Damage of prerotator pulley. The reason is a second hole 90 degrees through the shaft
1.3	Subject	Replacement of prerotator pulley small
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 replacement is approximately 0.5h
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 www.auto-gyro.com
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	Prerotator pulley small M.PR01.02 or Prerotator assembly M.PR01
2.4	Rework of parts	None
2.5	Special tooling / lubricant- / adhesives- / sealing compound	- Loctite 243 (blau) S.WZ10 - Loctite 638 S.WZ12

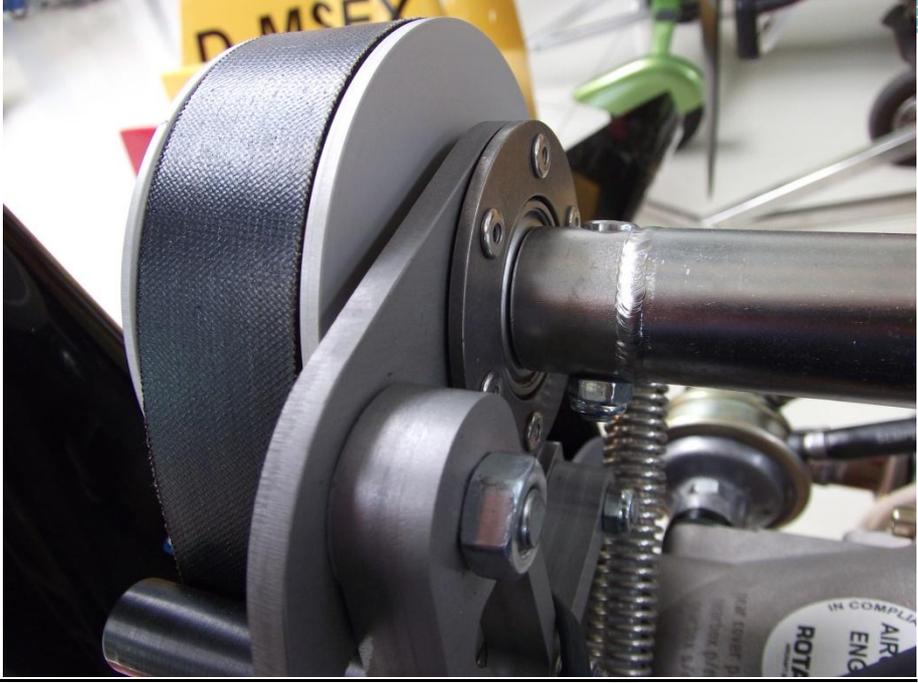
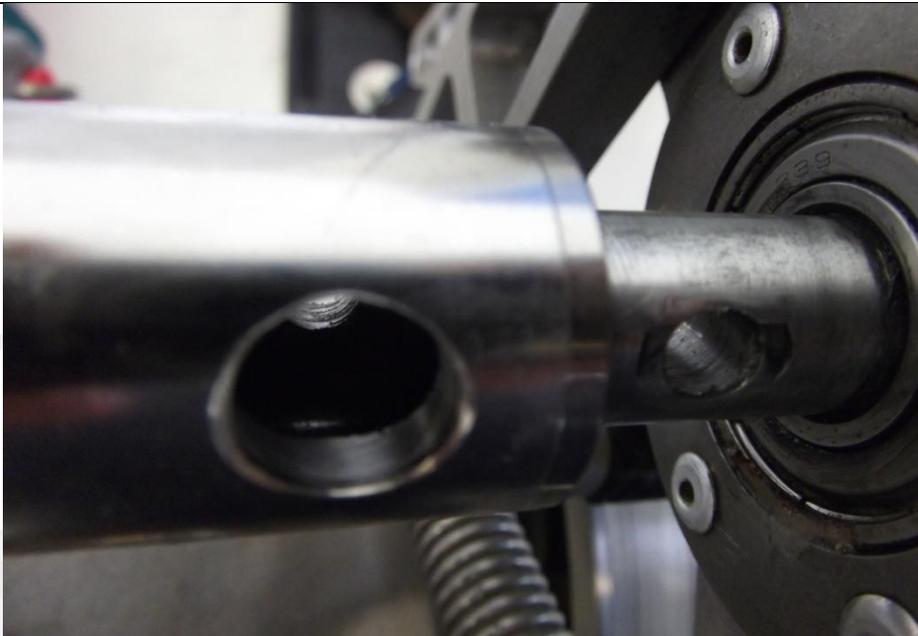
3. Accomplishment / Instructions

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	1. Secure gyroplane with park brake on 2. Secure control stick in full forward position 3. Adjust flight/brake switch to "brake" 4. Apply full pressure 5. Secure rotor system 6. Remove prerotator drive shaft (photo 4.1) 7. Check for a second hole through the pulley shaft and remove if affected 8. Install new pulley with Loctite 638 9. Install prerotator drive shaft and check for alignment of the hole through pulley / drive shaft 10. Use new nylock nut and Loctite 243 11. If the prerotator assembly is worn, replace with new assembly M.PR01
3.3	Test run	Conduct test run and prerotate rotors
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.

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4. Photos

4.1	Picture shows the connection between prerotator pulley and drive shaft	 A close-up photograph showing the connection between a prerotator pulley and a drive shaft. The pulley is a large, dark, textured wheel mounted on a metal shaft. The shaft is secured with a nut and washer. In the background, a yellow sign with the text "D. M. SEY" is partially visible. A label on the machinery reads "IN COMPLIANCE WITH EN ISO 9001 ROTZ AIR ENIG".
4.2	Picture shows the prerotator pulley shaft with correct hole	 A close-up photograph showing the prerotator pulley shaft with a correct hole. The shaft is a polished metal rod passing through a hole in a metal component. The hole is perfectly aligned with the shaft, demonstrating the precision of the manufacturing process. A spring is visible in the background.

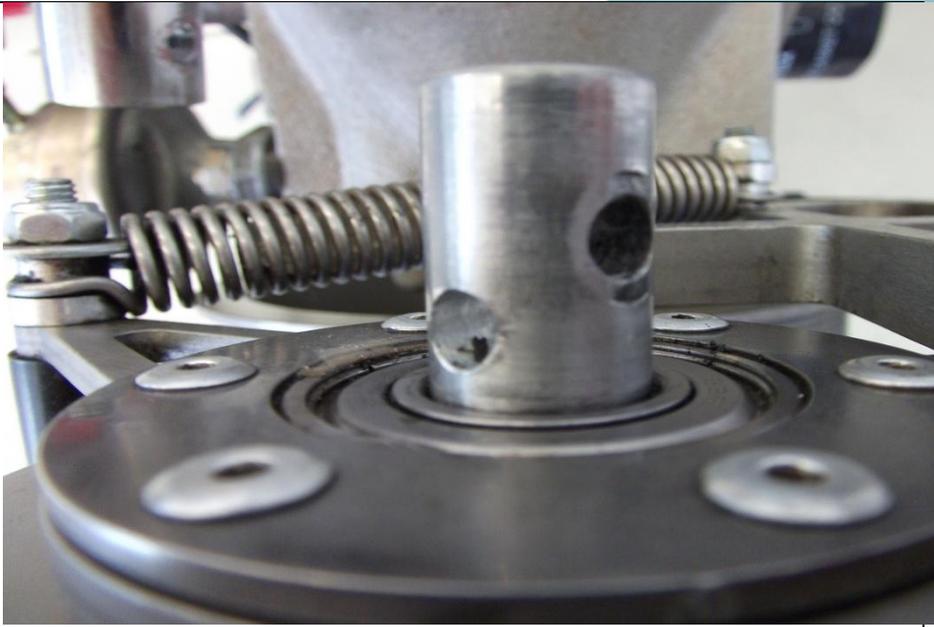
Gyrofliegen...
die neue Dimension!

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4.3	Picture shows the prerotator pulley shaft with incorrect holes	
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