

Compliance with this bulletin is

MANDATORY

EFFECTIVE DATE

25.11.2019

APPLICABILITY

This service bulletin is applicable for all Aviation Artur Trendak rotors.

SUBJECT

Rotor under 1000 hours work - every 25 hour inspection.

Rotors above 1000 hours work – replacement.

BACKGROUND

The reason is unknown, it is under investigation. The bulletin is preventive.

RISK OF NEGLECT

Failure to comply with this instruction/information will result in

- possible damage of the aircraft,
- loss of rotor blade.

REQUIREMENTS

Task may be performed by an owner. In case of doubt in the assessment, contact with Aviation Artur Trendak company.

PROCEDURES

Rotor under 1000 hours work – 25h inspection

NOTE!

Remember to make every flight inspection related to the Pilot's Operating Handbook.

- 1) Remove rotor from the gyro.
- 2) Unscrew the blades and sockets from the hubbar.
- 3) Wash the blades with extraction naphtha
- 4) Carry out a visual inspection of the blades around the holes (fig.1, fig.2) that attach it to the hubbar. Use 5x or 10x magnifier. Look for scratches, chafing, cracks or other signs of damage. In case of doubt, contact Aviation Artur Trendak company.

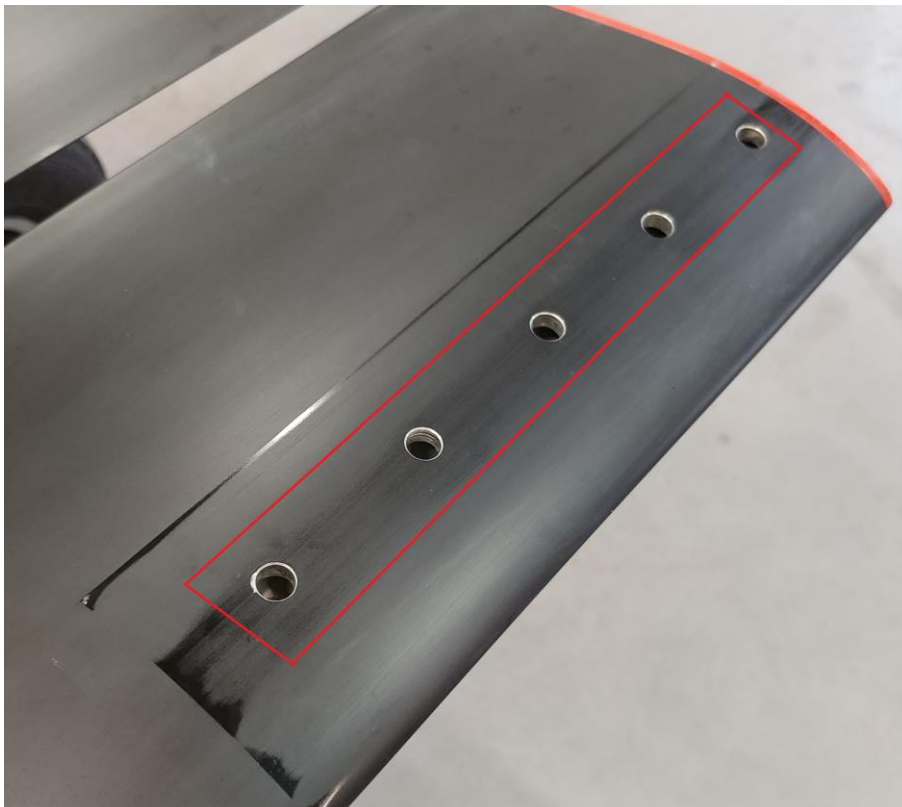


Fig. 1

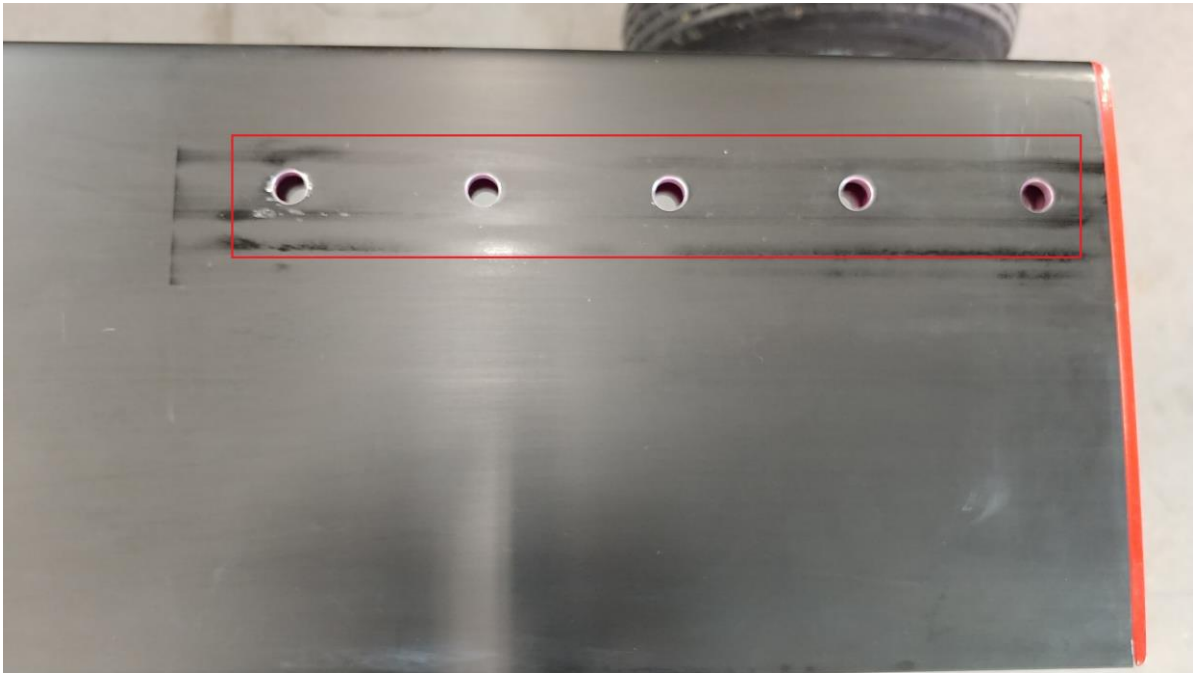


Fig. 2

- 5) Carry out a visual inspection of the blades near the end of the hubbar (fig.3, fig.4). Look for scratches, chafing, cracks or other signs of damage. In case of doubt, contact Aviation Artur Trendak company.



Fig. 3



Fig. 4

- 6) If any doubts related to the previous points perform the dye penetrant inspection.
- Apply penetrant on the surface close to the hubbar. If penetrant collects in drops clean the surface again. After application please leave its on the surface for some period of time (time should be specified on the penetrant).
 - Clean the surface with a towel. The removal method is controlled by the type of penetrant used. Please read the manual on the label carefully.
 - Apply the developer. Application depend on the developer which is used. Please read the manual on the label carefully.
 - The defects will be marked by a bright color. A solid or broken lights means a crack, rolling, or tearing.
- There are a lot of penetrants and developers available on the market e.g. produced by SPOTCHECK.

If any scratches, chafing, cracks or other signs of damage or permanent deformations are found on blades, the gyrocopter can not be operated! Please immediately contact with manufacturer Aviation Artur Trendak.

Rotors above 1000 hours work – replacement

The gyrocopter can not be operated! Please immediately contact with manufacturer Aviation Artur Trendak for replacement.

People to contact:

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