

**AEROPRAKT**  
**INFORMATION BULLETIN**  
**REPLACEMENT OF THE NOSE LANDING GEAR LEG SPRING OF**  
**A-22 AIRCRAFT**  
**IB A-22-06**

**MANDATORY**

**Repeating symbols:**

Please, pay attention to the following symbols throughout this document marking important 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 cause severe damage.
- ◆ **NOTE:** Information useful for better handling.

**1) Planning information**

**1.1) Aircraft affected**

All versions of Aeroprakt-22 aircraft with metal spring

**1.2) Reason**

The cracks appear in the nose landing gear spring due to fatigue damage.

**1.3) Subject**

The nose landing gear leg spring

**1.4) Compliance**

Replacement of the nose landing gear leg spring is to be carried out on the aircraft after 500 flight hours or 5000 landings

**1.5) Approval**

The technical content of this Information Bulletin has been approved by Aeroprakt

**1.6) Manpower**

Estimated man-hours:

Replacement of the nose landing gear leg spring can be performed within an hour

**1.7) Mass data**

None

## 1.8) Spare parts

Spare parts are supplied upon request of aircraft owner

## 2) Replacement part information

### 2.1) Replacement part – cost and availability

The price of the metal spring is 165 EUR excluding delivery

## 3) Special tooling / materials

Clamp, castrol LM

## 4) Accomplishment / Instructions

### 4.1) Instructions

(see fig. 1)

#### 4.1.1) spring replacement

- 1) remove the wheel (item 1);
- 2) remove the fairing (item 2);
- 3) compress the spring (item 3) in area of brackets (4) using clamps.
- 4) take out the upper (item 5) and lower (item 6) bolts, remove the spring;
- 5) take the new spring, compress it and install in place of the old one;
- 6) put back the upper and lower bolts and cotter it;
- 7) put the fairing and wheel.

◆ **NOTE:** if the fairing is not installed, it is not necessarily to remove the wheel.

◆ **NOTE:** Lubricate the contacting surface of the brackets (item 4), lower cuff (item 7) and bracket (item 8) before re-installing it.

▲ **WARNING:** if the spring is not replaced in time (1.4), the nose landing gear leg may fail, this will cause the airplane nose-over.

#### 4) Appendix

The following drawing contain additional information

- 1 - Wheel Matko 6.00-6
- 2 - Nose wheel fairing
- 3 - Spring A22.3.4330.00CB
- 4 - Bracket A22.3.4331.00
- 5 - Bolt 6-66-KØ OCT1 31132-80
- 6 - Bolt 6-75-KØ OCT1 31132-80
- 7 - Lower cuff A22.1.4306.00
- 8 - Bracket A22.3.4353.00

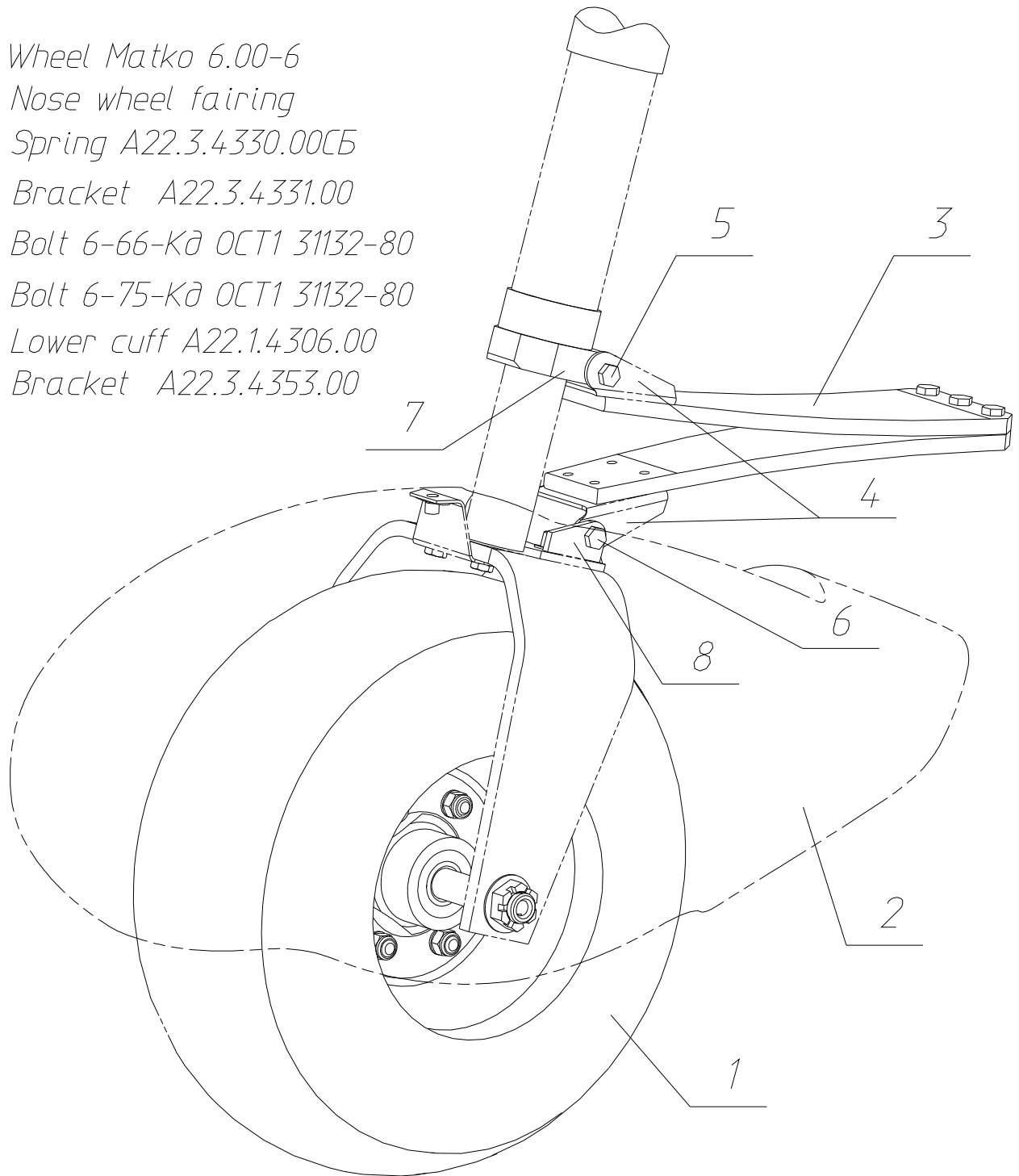


Fig. 1