

# AEROPRAKT INFORMATION BULLETIN

## INSPECTION OF THE NOSE LANDING GEAR LEG STEM OF A-22 AIRCRAFT. IB A-22-01

### **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 stem of the nose landing gear.

◆ **NOTE:** Information useful for better handling.

#### **1) Planning information**

##### **1.1) Stems affected**

All versions of the aircraft Aeroprakt-22 from №05 to №50

##### **1.2) Reason**

It has been found out, that the fatigue failure of the weld is the reason of the cracks in the nose landing gear.

##### **1.3) Subject**

Inspection and replacement of the nose landing gear leg stem of Aeroprakt-22.

##### **1.4) Compliance**

Replacement of the nose landing gear stem is to be carried out on the aircraft after 1000 flight hours or 2000 landings.

##### **1.5) Approval**

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

##### **1.6) Manpower**

Estimated man-hours:

The stem replacement can be performed within 4 hours

##### **1.7) Mass data**

Change of weight - none

##### **1.8) Other publications affected**

None

##### **1.9) Spare parts**

Spare parts are sent upon requirement of aircraft owner.

## 2) Replacement part information

### 2.1) Replacement part – cost and availability

The price of the stem is 115 EUR excluding delivery

### 2.2) Special tooling / lubricant /

Used lubricant is Castrol oil.

## 3) Accomplishment / Instructions

### 3.1) Instructions

( fig. 1)

#### 3.1.1) Removing the stem

- 1) remove the wheel (item 1) ;
- 2) remove the fairing;
- 3) compress the spring (item 2) and remove the lower bolt (item 4);
- 4) undo the upper attachment bolt (item 4) of the retaining cable;
- 5) remove the stem (item 5) with bracket;
- 6) remove the bracket (item 7);
- 7) insert a new stem;
- 8) install the retaining cable passing it under the lower bolt (item 4);

■ **CAUTION:** Do not forget to re-install the bracket (item 7).

- 9) attach the bracket (item 6);
- 10) attach the spring (item 5);
- 11) install the fairing;
- 12) install the wheel (item 1).

◆ **NOTE:** Lubricate the stem before re-installing it.

■ **CAUTION:** When assembling new stem with old bracket the holes may be misaligned, so ream the holes with  $\varnothing 6H7$  reamer.

#### 3.1.2) Inspection of the nose landing gear leg stem.

Inspect the nose landing gear leg stem

■ **CAUTION:** In case, if the stem is not replaced in time, the nose landing gear leg may fail, this will cause the airplane nose-over.

### 3.2) Summary

These instructions are to be conducted in compliance with section 1.5.

#### 4) Appendix

The following drawing contains additional information:

- 1 - Wheel Matco 5.00-5
- 2 - Spring A22.2.4330.CB
- 3 - Bolt 6-45-Kd-  
OCT1 31132-80
- 4 - Bolt 6-34-Kd-  
OCT1 31132-80
- 5 - Stem A22.2.4350.CB
- 6 - Bracket A22.2.4303.CB
- 7 - Strut A22.2.4350.CB

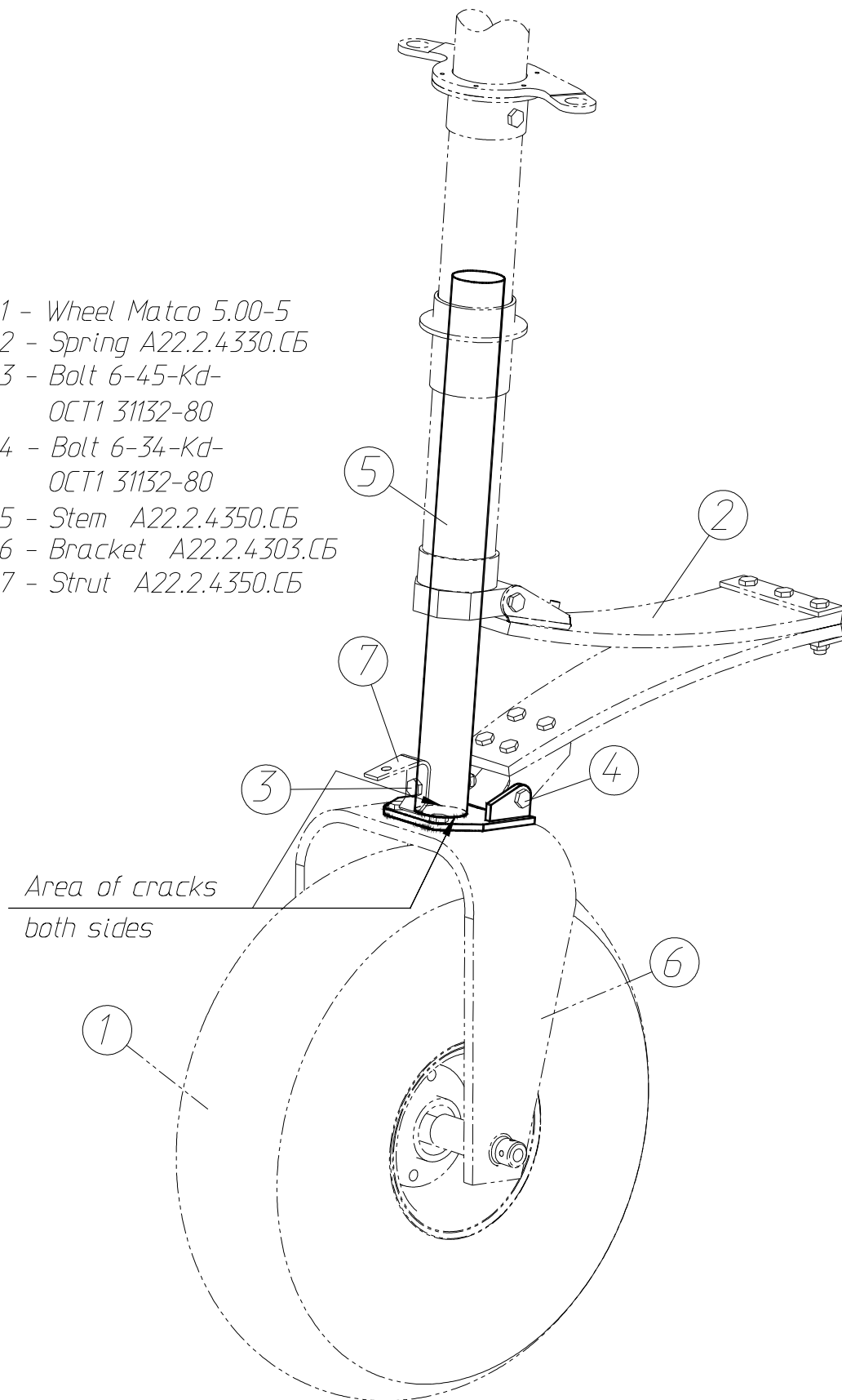


Fig. 1