

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 70 USD 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 $\text{Ø}6\text{H}7$ 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

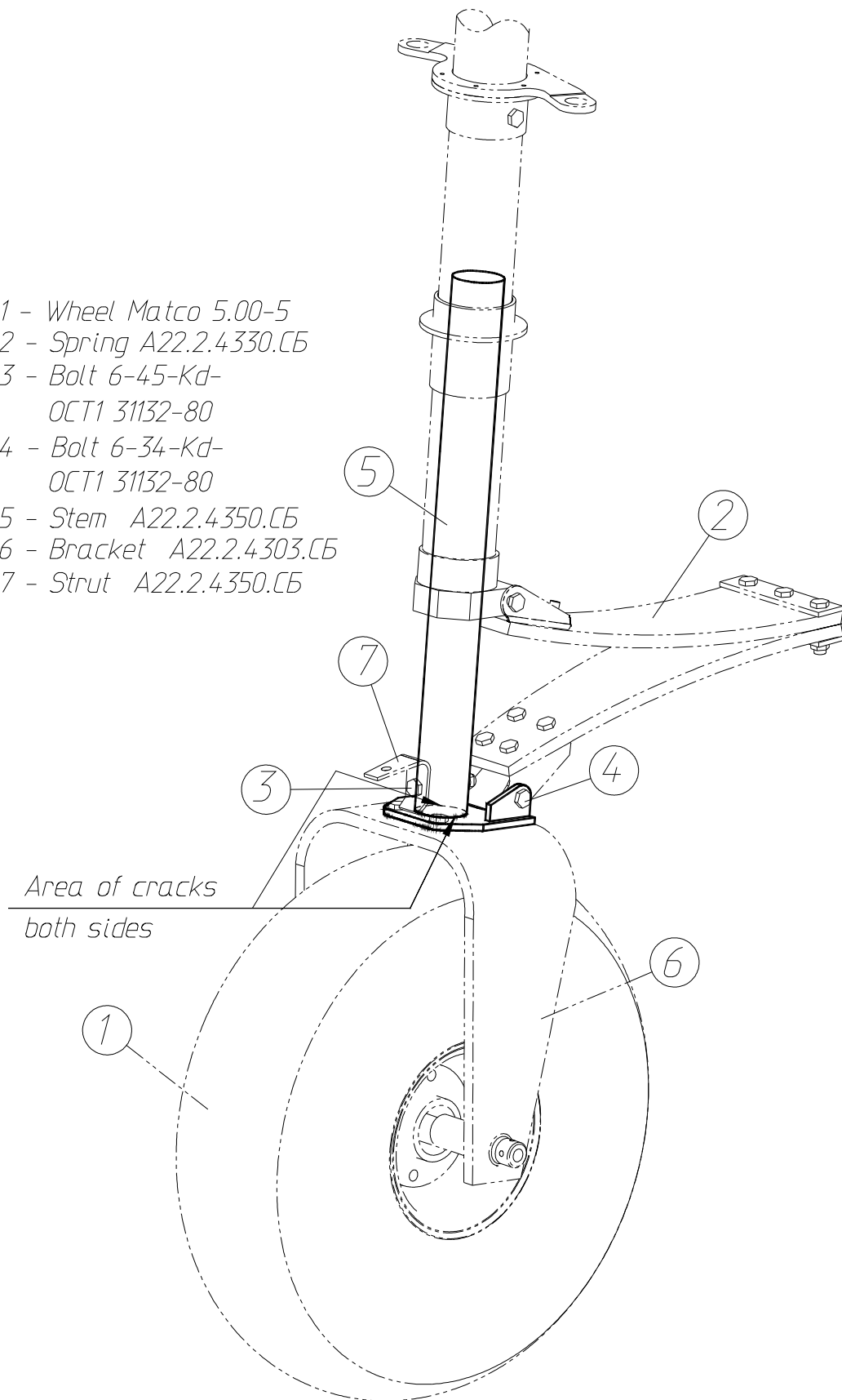


Fig. 1