
European Aviation Safety Agency

EASA
SPECIFIC AIRWORTHINESS
SPECIFICATION

for

YAKOVLEV YAK-18T

This Specific Airworthiness Specification is issued in accordance with Regulation (EC) 216/2008 Article 20(1)(b). This document is generic and it should be read in association with any Airworthiness Approval Note for the approval of Flight Conditions for any aircraft issued with an EASA Permit to Fly prior to 31 October 2008, which is specific to a particular serial number. In the event of conflict, please contact EASA; roger.hardy@easa.europa.eu.

There is no valid EASA Type Certificate for this aircraft type.

The organisation responsible for technical issues and support for the aircraft is the Yakovlev Design Bureau:

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Separately, the Hungarian Civil Aviation Administration granted the Yak-18T a Hungarian Type Certificate in September 1999, No. 21ЯK18.

List of effective Pages:

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SECTION 1: Aircraft Design Definitions

1.1 Aircraft built to conform to Russian Civil Aircraft Norms of 13/10/1967.

1.1.1.I Certification Basis

The aircraft was certificated to Russian Norms (as above), in addition specific list 'technical requirements' of aircraft, which is agreed by the Deputy Civil Aviation Minister of the USSR and Yakovlev Design Bureau on 15/02/1968.

1.1.1.II Technical Characteristics and Operating Limitations

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| Engine | One Vedeneyev (OKBM) M14P (360 HP) or M14PF (400 HP) . 9 cylinder radial piston engine, which is geared and supercharged. | |
| Fuel | To Russian standard B91/115 GOST 1012-72. Octane rating minimum 91. | |
| Engine Limits | <p>M14P Maximum permitted speed of rotation 2950 rpm (101%). Up to five minutes up to 99% (2890 rppm). Up to one minute at 101% (2950 rpm).</p> <p>M24PF Maximum revolutions are 103% (3010 rpm) for one minute.</p> | |
| Propeller | <p>The following propellers are approved: V-530TA-D35 2-blade propeller manufactured by Speriot of Stupino, Russia. MTV-3-250-27 or -29 3-blade propeller manufactured by MT Propeller of Straubing, Germany. MTV-9-250-27 or -29 3-blade propeller manufactured by MT Propellers of Straubing, Germany. Diameter of V-530 propeller is 240cm, and of MTV-3 and MTV-9 propellers of 250cm.</p> | |
| Airspeed Limits | <p>Refer to AFM (Please note that Flight Manual is one of three documents being: Aircraft Flight Manual; Aircraft Description; Aircraft Operating Instructions, which should be considered in their entirety for providing the appropriate information on the aircraft).</p> <p>Never Exceed Speed (V_{NE}) 300 km/hr</p> | |
| C. of G. Range | <p>At Take-off Weight 1510 kg 13.0 – 22.0% AMC At Take-off Weight 1650 kg 13.0 – 26.0% AMC (Note that figures quoted on Yak 18T Flight Conditions approvals were in error)</p> | |
| Maximum Weight | Maximum Take-off Weight (Aerobatic Training) | 1510 kg |
| | Maximum Take-off Weight (General Training) | 1650 kg |
| | Maximum Landing Weight | 1650 kg |
| Manoeuvre Load Limits | <p>at Take-off Weight 1510 kg +6,48g/-3,24g at Take-off Weight 1650 kg +5g/-2,5g</p> | |
| Number of Seats | Four (or five with three in the rear seat subject to C. of G. Considerations) (refer to AFM) | |

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|---------------------------|--|------------|-----------------|------|-----------------|---------|------------|------|---------|----------|------------|------|---------|-------------------|-------------------------|--|--|--------|--------------|-------|---------|
| Maximum Baggage | Refer to AFM | | | | | | | | | | | | | | | | | | | | |
| Fuel Capacity | <p>Standard aircraft – 90 litres in each wing, and 3 litre fuselage collector tank</p> <p>Additional fuel can be provided by a rear fuselage tank of 90 or 130 litres.</p> <p>Alternatively, additional fuel may be provided within the wings, either by increasing the individual tank size to 180 litres or by adding an additional 85 litre tank outboard of the existing tank.</p> <p>In all these cases fuel management is automatic, with either the fuselage tanks, or the outer wing tank draining before the main wing tanks.</p> | | | | | | | | | | | | | | | | | | | | |
| Oil Capacity | <p>20 litres.</p> <p>Some aircraft are equipped with inverted oil system, in which case capacity is 16 litres for cruise flight and 10 litres for aerobatics</p> | | | | | | | | | | | | | | | | | | | | |
| Control Surface Movements | <table><tr><td>Wing flaps</td><td>Up 0°</td><td>down</td><td>50° +3° -1° 30'</td></tr><tr><td>Aileron</td><td>Up 22° -1°</td><td>down</td><td>15° -1°</td></tr><tr><td>Elevator</td><td>Up 25° -1°</td><td>down</td><td>25° -1°</td></tr><tr><td>Elevator trim tab</td><td colspan="3">+/- 20° +3° 45' -3° 15'</td></tr><tr><td>Rudder</td><td>Left 27° -1°</td><td>Right</td><td>27° -1°</td></tr></table> | Wing flaps | Up 0° | down | 50° +3° -1° 30' | Aileron | Up 22° -1° | down | 15° -1° | Elevator | Up 25° -1° | down | 25° -1° | Elevator trim tab | +/- 20° +3° 45' -3° 15' | | | Rudder | Left 27° -1° | Right | 27° -1° |
| Wing flaps | Up 0° | down | 50° +3° -1° 30' | | | | | | | | | | | | | | | | | | |
| Aileron | Up 22° -1° | down | 15° -1° | | | | | | | | | | | | | | | | | | |
| Elevator | Up 25° -1° | down | 25° -1° | | | | | | | | | | | | | | | | | | |
| Elevator trim tab | +/- 20° +3° 45' -3° 15' | | | | | | | | | | | | | | | | | | | | |
| Rudder | Left 27° -1° | Right | 27° -1° | | | | | | | | | | | | | | | | | | |
| Tyre pressures | <p>Main wheels – 3 kgf / cm²</p> <p>Nose wheel – 3 kgf / cm²</p> | | | | | | | | | | | | | | | | | | | | |
| Stall Warning | <p>The 18T is equipped with a CCKYA-1 stall warning system, with a light annunciator between -1° and +1°, and then a light unnnunciator together with audible signal from +6° to +11° angles of attack.</p> | | | | | | | | | | | | | | | | | | | | |
| Equipment | <p>The standard Yak-18T is equipped with the following equipment.</p> <p>Baklan 5 VHF</p> <p>ARK-9 ADF</p> <p>The IMK-IAZ gyro magnetic compass system.</p> <p>AGD-1K gyro horizon</p> <p>ZUE-53U turn indicator</p> <p>PP-5 radio altimeter</p> <p>However most aircraft in Western service have a range of Western avionics installed.</p> | | | | | | | | | | | | | | | | | | | | |
| Flight Manual | <p>Yak-18T Flight Manual May 5/03</p> <p>Aircraft on Hungarian Register will have individually allocated Flight Manual document numbers.</p> | | | | | | | | | | | | | | | | | | | | |

1.2 Pertinent Data

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| Weight & balance | The AFM gives a detailed analysis of Weight and Balance and C of G |
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Aerobatics and spinning are permitted at Take-off Weight 1510 kg and crew of 2 persons on board only. Inverted flight is prohibited unless this aircraft has been fitted with inverted oil and fuel systems.

Maximum permitted altitude 13,123 feet (4,000 meters), as the aircraft is not equipped with the oxygen supply system.

Placards All placards that are required by the Flight Manual must be installed in the appropriate locations

1.3 Lifetime

The Yak-18T has an initial 'Lifetime' of 5,000 flying hours and 20,000 landings, irrespective of calendar time. Yakovlev Design Bureau is currently devising an extension procedure, which will be available before any aircraft are approaching this time. The life can be extended by an approved inspection procedure.

1.4 Life Limited Parts

These lives must be incorporated in the maintenance schedule for the aeroplane.

| Description | Part Number | Life Limit hr's/years |
|----------------------------------|---------------------------------------|---|
| Propeller | V530TA-D35 MTV-9-B-C/CL250-27 / 29 | 500 hours / 6 years 1000 hours / 6 years |
| Main Air Bottle | LM-375a-11-50 | -/5 check |
| Emg Air Bottle | LM-375a-3-50 | -/5 check |
| Altimeter | ALT-20MBF-3 | calibration every 2 years |
| Speed Indicator | US-450K | calibration every 2 years |
| G Meter | AM-9S | On condition |
| Vacuum Pressure Gauge | MV-16K | On condition |
| Cylindrical Thermometers | TTT-13 | On condition |
| Fuel Pressure Transducers | P-1B | On condition |
| Oil Pressure Transducers | PM-15B | On condition |
| Bottles Pressure Gauge | 2M-80K | On condition |
| Flexible pipes as fitted | various | 10 yrs from date of installation – no more than 2 yrs after manufacture with no limit on flight hours |
| Undercarriage lifter, main gear | 4114-00 | on condition & check every 100 hrs |
| Undercarriage lifter, front gear | 4214-00A | on condition & check every 100 hrs |
| Undercarriage locks, main | 4115-00-1 4115-00-2 | on condition & check every 100 hrs |
| Undercarriage lock, front | 4215-00 | on condition & check every 100 hrs |

SECTION 2: Airworthiness Directives (Service Bulletins)

 - mandatory bulletins

| Bulletin Number | Date of issue | Contents | Applies to a/c S/N | Performer | Performing term |
|-----------------|---------------|--|------------------------|--------------------------|-----------------|
| 1E | 08.01.75 | "Varly" battery body repair | | Overhaul factory | Major overhaul |
| 01-DM | 31.10.75 | Replacement of the SBSE-77 fuel meter with the SBES2077E fuel meter | 0601-0504 | Aircraft manufacturer | Major overhaul |
| 02-DK | 29.05.75 | Replacement of the engine mount ring for the reinforced one | 0601-2007 | Aircraft manufacturer | Major overhaul |
| 03-DK | 29.05.75 | Replacement of the 4211-93 linkage in the 4211-90 damper | 0601 | | |
| 04-R | 29.05.75 | Replacement of undercarriage shock absorber pistons No.4111-14 and No.4211-18. | 0601-0306 | Aircraft manufacturer | Major overhaul |
| 05E | 09.07.75 | Manuals clarification | 0101-1008 | Maintenance organization | |
| 06-DK | 06.06.75 | Replacement of landing gear uplock springs No.4115 and No.4215 | 0601-0906 | Aircraft manufacturer | Major overhaul |
| 07-DM | 11.06.75 | Replacement of the M-14 engine with the M-14P | 0601-0204 | Maintenance organization | |
| 08-DK | 19.05.76 | Fire shut-off valves sealing | 0601-0106 | Maintenance organization | |
| 09-DK | 29.07.76 | Replacement of the edge former No.1014-07 on the wall of the rib No.4 in the wing center section | 0601-2008 | Aircraft manufacturer | Major overhaul |
| 10-DK | 13.09.76 | Installation of the oil cooler winterization blank No.6205-30A | 0601-2008 | Aircraft manufacturer | 30.09.77 |
| 12-DK | 23.03.76 | Reinforcement of the front spar wing attachment point | 0601-1008 | Aircraft manufacturer | Major overhaul |
| 14-E | 29.09.76 | Manuals clarification | 0101-0110 | Maintenance organization | |
| 15-DK | 29.04.77 | Pitot attachment reinforcement | 0601-0814 | Aircraft manufacturer | Major overhaul |
| 16-DK | 13.07.76 | Replacement of throttle lever attachment and friction unit | 0601-0407 | Aircraft manufacturer | Major overhaul |
| 17-DK | 23.11.76 | Holes in the carburettor inlet choke | 0601-0610 | Aircraft manufacturer | |
| 21-DK | 29.03.77 | Replacement of the trim tab and installation of additional balance weight on the elevator | 0601-0812 | Aircraft manufacturer | Major overhaul |
| 22-DK | 06.04.77 | Replacement of the governor stop-screws bracket with the reinforced one | 0601-2015 | Aircraft manufacturer | Major overhaul |
| 24-DK | 06.04.77 | Replacement of the collective tank drain valve No.6100-170 for the drain valve No.600500A | 0601-1807 | Aircraft manufacturer | Major overhaul |
| 25-DK | 29.04.77 | Stabilizer reinforcement within the brace attachment area | 0601-2013 | Aircraft manufacturer | Major overhaul |
| 26-DK | 05.03.77 | Fire wall reinforcement within the area of PK-45 attachment | 0401-2012 | Aircraft manufacturer | Major overhaul |
| 27-DK | 05.03.77 | 1.Enlargement of the aileron skin cutout 2.Installation of the additional access door in the cockpit floor | 0601-2013 0601-2014 | Overhaul factory | Major overhaul |
| 28-DK | 06.05.77 | 1.Installation of the plate on the wing center section leading edge 2.Replacement of three SP-1 AC circuit breakers with SP-2B AC circuit breakers | 0101-2014 0101-0313 | Aircraft manufacturer | 30.12.77 |
| 29-DK | 19.01.77 | Landing gear inspection | 0601-0807 | Aircraft manufacturer | 28.02.77 |

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|-------|--------------|---|--|--------------------------|--|
| 30-DK | 26.05.7 7 | Replacement of control surfaces attachment units with removable studs units | 0101-2014 | Aircraft manufacturer | Major overhaul |
| 31-DK | 25.03.7 7 | Replacement of the oil cooler thermostatic valve with the reducing valve | 0101-1010 | Overhaul factory | Major overhaul |
| 32-DK | 29.04.7 7 | Wing center section reinforcement | 0101-2014 | Aircraft manufacturer | Major overhaul |
| 33-DK | 29.04.7 7 | Replacement of the emergency air bottle supporting cup | 0601-2013 | Aircraft manufacturer | Major overhaul |
| 34-DK | 27.06.7 7 | 1.Fuselage modification for the installation of 7512-0 fans 2.Reinforcement of gills lip attachment 3.Reinforcement of gills vanes attachment points | 0101-2010 0101-2009 0101-2013 | Aircraft manufacturer | Major overhaul |
| 35-DK | 26.05.7 7 | 1.Improving AM-800K landing gear micro switch reliability 2.Replacement of gills control arm with the reinforced one 3.Improving of brake cable terminations 4.Adjusting air system reducing valve | 0101-1009 0101-2015 0601-2010 0601-2014 | Aircraft manufacturer | Major overhaul Major overhaul Major overhaul 26.08.77 |
| 37-DK | 01.06.7 7 | Replacement of the stabilizer attachment fork-bolt No. 3000-02 | 0601-0614 | Aircraft manufacturer | 30.09.77 |
| 38-DK | 01.09.7 7 | Replacement of bushings No.4210-05 in upper part of nose landing gear bracing strut | 0601-2014 | Aircraft manufacturer | Major overhaul |
| 39-DK | 27.02.7 8 | Replacement of 2KNR buttons with PK2S-2 buttons for "Radio" and "Intercom" | 0601-1415 | Aircraft manufacturer | Major overhaul |
| 40-DK | 02.12.7 7 | Installation of the reinforcement plate on the pilot's seat sliding rail | 0601-2015 | Aircraft manufacturer | Major overhaul |
| 41-DK | 09.02.7 8 | Elimination of plays in rudder pedals mechanism | 0101-2015 | Aircraft manufacturer | Major overhaul |
| 42-DK | 01.09.7 7 | Replacement of the wing center section diaphragm post with the reinforced post | 0601-0614 | Aircraft manufacturer | Major overhaul |
| 43-DK | 02.12.7 7 | Reinforcement of the carburetor inlet pipe | 0601-1416 | Aircraft manufacturer | Major overhaul |
| 45-E | 17.07.7 8 | Increasing the life time and calendar life for nose landing gear jack | All | | Information bulletin |
| 46-DK | 18.07.7 9 | Fin reinforcement | 0601-1018 | Aircraft manufacturer | Major overhaul |
| 47-E | 23.03.7 8 | Manuals clarification | 0115-2015 | | Information bulletin |
| 48-DK | 05.01.7 8 | Replacement of elevator flanges for reinforced ones | 0601-1018 | Aircraft manufacturer | Major overhaul |
| 49-DK | 18.03.7 9 | Replacement of aileron's and elevator's brackets due to the replacement of MP-5 alloy with the AL-19 alloy | 0601-1706 | Aircraft manufacturer | Major overhaul |
| 50-DK | 02.12.7 8 | Installation of additional stabilizer attachment point | 0601-1018 | Aircraft manufacturer | Major overhaul |
| 51-DK | 24.05.7 8 | Lower engine cowling reinforcement | 0601-2016 | Aircraft manufacturer | Major overhaul |
| 52-DK | 09.06.7 8 | Reinforcement of cockpit ventilation pipes, compressor and generator cooling ducts | 0101-2014 | Aircraft manufacturer | Major overhaul |
| 53-DK | 25.04.7 8 | Replacement of undercarriage jacks No.4114-00 | 0601-0216 | Maintenance organization | 25.09.79 |
| 54-DK | 06.02.7 8 | Oil tank leaks elimination | 0601-2014 | Maintenance organization | If necessary |
| 55-DK | 08.02.7 | Replacement of fuel tanks No.6101-001V with | 0601- | Overhaul | 30.12.79 |

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|-------|--------------|---|------------------------|-----------------------|--|
| | 8 | reinforced tanks No.6101-00D | 1111 | factory | |
| 57-E | 10.08.7 8 | Clarification of bulletin No. 32-DK | 0601-2014 | | Information bulletin |
| 58-DK | 02.12.7 8 | Fuel system modification: 1.Replacement of the tee-piece No.6100-06 with the new shape tee-piece 2.Installation of the additional attachment point for the pipe No.6100-00 | 0601-2017 0601-2011 | Overhaul factory | 30.12.79 |
| 59-DK | 09.06.7 8 | Installation of the IL-611-150 regulator in the charging device | 0601-0516 | Aircraft manufacturer | Major overhaul |
| 60-DK | 09.06.7 8 | Installation of plates on the wing center section skin near the landing flap | 0601-2016 | Aircraft manufacturer | Major overhaul |
| 61-DK | 10.08.7 8 | 1.Replacement of aluminium pipes with steel pipes No.5800-00-165 and No.167P1.(replacement of steel pipes with Teflon hoses is cancelled) 2.Replacement of aluminium pipes with steel pipes No.5800-00-165 | 0601-1016 0601-0517 | Overhaul factory | Major overhaul |
| 62-DK | 30.11.7 8 | Installation of the plate on the relay box | 0601-2017 | Aircraft manufacturer | Major overhaul |
| 63-DK | 10.04.7 9 | Airplane modification for the installation of engine equipped with M9F magneto | 0601-1617 | Aircraft manufacturer | Major overhaul |
| 64-DK | 31.07.7 8 | Introduction of new airplanes numbering | 0601-0730 | | Information bulletin |
| 65-DK | 21.02.7 9 | 1.Fuel tank compartment inspection and replacement of bracket 2006-11 2.Undercut of the middle stringer of the removable panel of the tank compartment | 0601-1016 0601-2018 | Aircraft manufacturer | In accordance with the plan of Civil Aviation Ministry |
| 66-E | 10.08.7 8 | Clarification of serial numbers of airplanes to be modified in accordance with bulletins 35, 43, 48, 51 DK | 0601-2018 | | Information bulletin |
| 67-R | 05.09.7 8 | Changing of the attachment of main landing gear shock absorber obturator | 0601-1015 | Overhaul factory | Major overhaul |
| 68-E | 10.08.7 8 | Extending the validity of the bulletin No.15-DK | 1108-0814 | Aircraft manufacturer | Major overhaul |
| 69-E | 08.06.7 9 | Manuals clarification | 0601-0119 | | Information bulletin |
| 70-E | 21.02.7 9 | 1.Extending air bottles life time and calendar life 2.Interchangeability of fuel meters No.SBES-2077A and No.SBES-207B | 0601-0730 0601-0813 | | Information bulletin |
| 71-DK | 29.06.7 9 | Replacement of exhaust pipes made from Steel 20 with exhaust pipes made from 12H18N10 | 0601-2019 | Aircraft manufacturer | Major overhaul |
| 72-DK | 08.06.7 9 | Modification of fuel breathing system in order to make separate breathing | 0601-2007 | Overhaul factory | Major overhaul |
| 73-DK | 22.09.7 9 | Reinforcement of the elevator trim tab control system | 0601-2021 | Aircraft manufacturer | Major overhaul |
| 74-DK | 08.06.7 9 | 1.Installation of the additional pneumatic system non-return valve 2.Separation of emergency air system from the main one | 0601-0719 | Aircraft manufacturer | 08.06.81 |
| 75-IK | 31.01.7 9 | Structural changes of airplanes | 1313-2017 | | Information bulletin |
| 76-DK | 12.03.7 9 | Replacement of attachment bolts for wing center section fairing | 0601-2014 | Aircraft manufacturer | Major overhaul |
| 77-DK | 18.06.7 9 | Installation of the plate on cockpit doors within the upper hinge area | 0601-2020 | Aircraft manufacturer | Major overhaul |

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| 78-DK | 10.02.8 0 | Replacement of the door lock fixing arm with the longer arm No.0134-07 | 0601-2023 | Aircraft manufacturer | Major overhaul |
| 79-DK | 26.07.7 9 | Installation of the plate on the shape No.0100-21-1,-2 on the 9th bulkhead | 0601-1020 | Aircraft manufacturer | Major overhaul |
| 80-R | 24.10.7 9 | Addendum to "The Major Overhaul Manual" | | Overhaul factory | Information bulletin |
| 81-E | 08.06.7 9 | Manuals clarification | 0601-2020 | | Information bulletin |
| 82-E | 24.04.7 9 | Increasing of the life time before the first major overhaul for lower arms of undercarriage bracing struts | 0601-0730 | | Information bulletin |
| 84-DM | 21.10.8 2 | Installation of SARPP-12K flight data registration system | 0601-2027 | Aircraft manufacturer | Major overhaul |
| 85-DK | 05.04.8 0 | Addendum to the bulletin No.40-DK 1.Installation of the reinforcement plate on the rail No.7509-211 2.Reaming seat fixation holes 8x9 in seat rails | 0601-2015 0601-1323 | Aircraft manufacturer | Major overhaul |
| 86-DK | 13.02.8 0 | Emergency door jettison mechanism modification | 0601-2025 | Aircraft manufacturer | Major overhaul |
| 87-BD | 03.06.8 2 | Replacement of the metal oil cooler fairing with the glass fiber fairing | 0601-0927 | Aircraft manufacturer | Major overhaul |
| 89-R | 24.10.7 9 | Replacement of the shock absorber ring No.4111-11 with the ring No.4111-00 | 0601-1520 | Overhaul factory | Major overhaul |
| 81127-R | 02.04.8 2 | Addendum to the carburettor repair technology | All | | Information bulletin |
| 90-DK | 07.02.8 0 | AK-50 compressor cooling improvement | 0601-0910 | Aircraft manufacturer | Major overhaul |
| 91-E | 07.06.8 0 | Manuals clarification | 0114-1020 | | Information bulletin |
| 92-DK | 22.09.8 1 | Replacement of the landing gear switch attachment bracket with the improved bracket | 0601-1023 | Aircraft manufacturer | Major overhaul |
| 93-DK | 19.12.8 0 | Reinforcement of the landing flap hinge | 0601-2015 | Aircraft manufacturer | Major overhaul |
| 94-DK | 13.06.8 0 | Replacement of the terminal in the trim tab neutral position warning system | 0601-2023 | Aircraft manufacturer | Major overhaul |
| 95-DK | 13.11.8 0 | Installation of the additional instrument panel shock mount | 0601-2022 | Aircraft manufacturer | Major overhaul |
| 96-DM | 24.11.8 0 | Replacement of the "Landysh-5" radio with "Baklan" radio | 0601-0523 | Aircraft manufacturer | Major overhaul |
| 97-DK | 22.08.8 0 | Reinforcement of the wing center section skin along the rib No.4 (if cracks occur) | 0601-1013 | | If cracks occur |
| 98-DK | 25.12.8 0 | Reinforcement of the landing flap within the area of pneumatic jack attachment | 0601-0424 | Aircraft manufacturer | Major overhaul |
| 99-DK | 22.09.8 1 | Elevator structure reinforcement | 0601-2025 | Aircraft manufacturer | Major overhaul |
| 100-R | 22.07.8 0 | Major Overhaul documentation clarification | 0601-2022 | | Information bulletin |
| 101-E | 16.04.8 1 | Manuals clarification | 0601-1124 | | Information bulletin |
| 102-DK | 20.04.8 1 | Reinforcement of relay box attachment points | 0601-1124 | Aircraft manufacturer | Major overhaul |
| 103-DK | 20.04.8 1 | Replacement of fuel tank aluminium attachment bands with steel bands | 0601-2019 | Aircraft manufacturer | Major overhaul |
| 104-E | 04.02.8 1 | Clarification of bulletins No.61-DK and No.86-DK | | | Information bulletin |
| 105-DK | 22.09.8 1 | Replacement of faulty cylinders No. 4114-00A with cylinders No.4114-00B | 0601-1026 | Aircraft manufacturer | Major overhaul |
| 106-DK | 24.09.8 1 | Reinforcement of the rudder structure within the trim tab attachment area | 0601-2025 | Aircraft manufacturer | Major overhaul |

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| 107-DK | 10.11.8 1 | Installation of aircraft electric grounding device | 0601-2021 | Aircraft manufacturer | 30.12.82 |
| 108-DK | 03.06.8 2 | Reinforcement of the carburetor intake | 0601-0128 | Aircraft manufacturer | If necessary |
| 109-IK | 10.06.8 1 | Major structural changes of airplane | 0118-2025 | | Information bulletin |
| 110-E | 12.11.8 1 | Reducing landing gear shock absorbers charging pressure | 0601-0730 | Maintenance organization | 30.12.82 |
| 111-E | 21.05.8 2 | Manuals clarification | 0601-1325 | | Information bulletin |
| 112-DK | 22.06.8 2 | Modification of pilots seat control cable termination | 0601-1327 | Aircraft manufacturer | Major overhaul |
| 113-DK | 03.06.8 2 | Replacement of brackets, which attach ribs to the rear spar | 0601-2026 | Aircraft manufacturer | If necessary |
| 114-DK | 30.06.8 2 | 1.Replacement of pneumatic panel No.5801-00A with the pneumatic panel No.5801-00B 2.Installation of the main air bottle drain system 3.Transfer of the main air bottle to the left part of luggage compartment | 0601-0719 0601-2020 0601-2006 | Aircraft manufacturer | Major overhaul |
| 115-DK | 14.07.8 2 | Replacement of AZP-1BM with AZP-A2 (if AZP-1BM is found faulty) | 0601-0227 | Maintenance organization | If defect found |
| 116-DM | 21.01.8 4 | Critical angle of attack warning installation | 0601-2027 | Aircraft manufacturer | Major overhaul |
| 117-DK | 29.12.8 1 | Replacement of outer and middle aileron hinges | 0601-1028 | Aircraft manufacturer | 30.06.83 |
| 118-DA | 25.11.8 1 | Periodical inspection of the middle aileron hinge bracket | 0601-1028 | Maintenance organization | During scheduled maintenance |
| 119-E | 28.04.8 2 | Manual clarification (elimination of summer heating) | All | | Information bulletin |
| 120-BR | 21.05.8 2 | Major Overhaul Manual text clarification | All | | Information bulletin |
| 121-BD | 04.10.8 2 | Preventing of cracks and galling of rollers No.5200-20 located on the bulkhead No.12 | 0601-1926 | Aircraft manufacturer | Major overhaul |
| 122-BR | 04.10.8 2 | Major Overhaul Manual clarification (rudder control) | | | Information bulletin |
| 123-BD | 13.05.8 3 | Preventing the aileron inboard hinge bolt No.2000-19 wear out | 0601-2022 | Aircraft manufacturer | Major overhaul |
| 124-BR | 03.05.8 3 | Major Overhaul Manual clarification (bulletins No.87 and No.117) | All | | Information bulletin |
| 125-BE | 14.05.8 2 | Manual clarification (regarding the replacement of AEP-MB with AEP-A2) | All | | Information bulletin |
| 126-BR | 14.07.8 2 | Manual clarification (regarding AZP) | All | | Information bulletin |
| 127-BD | 04.10.8 2 | Elimination of engine cowling shapes wear out | 0601-1020 | Aircraft manufacturer | 30.06.83 |
| 128-BD | 18.10.8 2 | Replacement of attachment eyebolts on the aileron outboard bracket | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 129 BD | 28.03.8 3 | Replacement of the pitot attachment tube with the reinforced one | 0601-0530 | Aircraft manufacturer | Major overhaul |
| 130-BR | 09.09.8 2 | Clarification of Operational and Major Overhaul Manuals regarding aileron's attachment brackets | All | | Information bulletin |
| 131-BE | 28.07.8 3 | Clarification of Operational and Major Overhaul Manuals regarding the SSKUA-1 flight data recording system | All | | Information bulletin |
| 132-BD | 04.03.8 3 | Replacement of exhaust collector and exhaust pipe repair | 0601-0730 | Aircraft manufacturer | If necessary |

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|--------|--------------|--|------------------------|---|-------------------------------------|
| 133-BD | 20.07.8 3 | Expanding of the bulletin No.32-DK application | 0112-0730 | Aircraft manufacturer | Major overhaul |
| 134-BD | 20.07.8 3 | Installation of Teflon washers for the wing fairing attachment bolts | 0601-2026 | | Cancelled by the bulletin No.195-BD |
| 135-BD | 23.11.8 3 | Replacement of the lever No.6500-71 with the reinforced one | 0601-0730 | Aircraft manufacturer | 30.12.84 |
| 136-BD | 04.11.8 3 | Preventing fin fabric skin ruptures | 0601-0730 | | Cancelled by the bulletin No.200-BD |
| 138-BE | 05.11.8 3 | Manuals clarification (installation and dismounting of landing gear jacks) | 0601-0730 | | Information bulletin |
| 139-BR | 23.02.8 4 | Major Overhaul Manual clarification (throttle control) | All | | Information bulletin |
| 140-BD | 10.02.8 6 | Preventing destruction of the relay No.7230 box attachment | 0601-0730 | Overhaul factory | Major overhaul |
| 141-BD | 17.07.8 4 | Reinforcement of the attachment area of elevator control bracket No. 5130-30 | 0601-0730 | Overhaul factory | Major overhaul |
| 142-BU | 06.07.8 4 | Hole in the trim tab control linkage No.5410-140SB | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 143-BE | 14.07.8 4 | Operation manual clarification | | | Information bulletin |
| 144-BD | 20.03.8 6 | 1.Replacement of wing attachment fittings for thicker ones 2.Replacement of wing attachment bolts | 0601-2011 0601-2010 | Aircraft manufacturer | Major overhaul |
| 145-BR | 11.12.8 4 | Major Overhaul Manual clarification | All | | Information bulletin |
| 146-BD | 01.11.8 4 | Installation of the fuel breathing system cover No.6100-94 instead of the constrictor | 0601-1526 | | Operation within summer season |
| 147-BU | 28.03.8 5 | Installation of the first-aid box | 0601-2007 | Aircraft manufacturer | Major overhaul |
| 148-BD | 23.11.8 4 | Installation of bonding stripes between engine cowling and fuselage | 0601-1021 | Aircraft manufacturer | Major overhaul |
| 149-BU | 26.03.8 5 | Replacement of the oil system valve No.6204-05 with the steel valve made from 12H18A10T | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 150-BU | 16.04.8 5 | Replacement of oil tank with the reinforced oil tank No.6201-100 | 0601-2023 | Aircraft manufacturer | Major overhaul |
| 151-BD | 05.09.8 5 | Reinforcement and replacement of stops No.5130-50 and No.5130-90 in airplane control system | 0601-0730 | Overhaul Factory and Maintenance Organization | |
| 152-R | 31.05.8 5 | Clarification of Major Overhaul Manual and parts catalogue | All | | Information bulletin |
| 153-BD | 06.02.8 6 | Replacement of control column attachment bolts with bolts No.3027-6-18 Control column replacement | 0601-2008 2009-0730 | Overhaul factory | After 2000 flight hours |
| 154-BD | 20.02.8 5 | Installation of the eyebolt No.5410-1410SB in trim tab control system | 0601-0730 | Overhaul factory | Major overhaul |
| 155-BU | 18.04.8 5 | Installation of spring cylinder on RH landing gear | 0601-0521 | Aircraft manufacturer | Major overhaul |
| 157-BD | 10.04.8 6 | Replacement of brackets 0161-20, 0161-30 with reinforced ones | 0601-0730 | Both Aircraft Manufacturer and Overhaul | Major overhaul |

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|--------|--------------|--|-----------|---|---|
| 159-BE | 29.05.8 5 | Manuals clarification (nuts tightening with pre-select torque) | 0601-0730 | | Cancelled in 1987 |
| 160-BE | 18.12.8 4 | Manuals clarification (increasing time between major overhauls) | 0601-0730 | | Information bulletin |
| 161-BD | 29.10.8 6 | Reinforcement of ribs nose parts attachment to the wing center section front spar | 0601-0730 | | Information bulletin |
| 162-BD | 16.05.8 5 | Replacement of the clamp No.6801-110V-7 with the clamp No. 6801-310 | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 163-BD | 16.05.8 5 | Replacement of gills bolts No.6303-171 with higher strength bolts | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 164-BD | 16.08.8 5 | Replacement of the engine cowling lock case No.6902-81 (if cracks found) | 0601-0730 | | If cracks found |
| 165-BD | 14.02.8 6 | Replacement of throttle handle for the reinforced throttle handle No.7303-48 | 0601-1029 | Aircraft manufacturer | If defect found |
| 166-BD | 13.12.8 6 | Replacement of the R-2 governor pawl No.6500-203 with the improved pawl No.6500-211 | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 167-BD | 13.02.8 6 | Replacement of carburettor scoop hinge | 0601-0730 | Aircraft manufacturer | If necessary |
| 168-BD | 09.06.8 6 | Replacement of the bracket 6500-10 with the improved bracket 6500-230 | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 169-BD | 02.07.8 5 | Replacement of the center support bolt No.3000-11 with the bolt 3000-13 | 0601-0730 | Aircraft manufacturer | During operation |
| 170-BD | 16.05.8 6 | Preventing brake control cable ruptures | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 171-BD | 03.03.8 6 | Installation of bushings under the PU-7 valve control screw | 0601-0730 | Maintenance organization | 03.09.86 |
| 172-BD | 29.01.8 6 | Installation of bushings under the shut-off valve handle attachment screw | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 173-BD | 15.01.8 6 | Replacement of the attachment bracket No.0200-30 on the rear stabilizer attachment point | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 175-BD | 08.04.8 6 | Installation of the edge former around the oil cooler cutout | 0601-0730 | Overhaul Factory or Maintenance Organization if cracks found | Major overhaul or during operation, if cracks found |
| 176-BD | 11.05.8 6 | Air heater modification | 0601-0730 | Both Overhaul Factory and Maintenance Organization | Major overhaul |
| 177-BD | 24.03.8 7 | Installation of light- and sound- warning system for landing gear retracted position | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 178-BD | 11.12.8 5 | Changing of the US-450 air speed indicator installation | 0601-0730 | Aircraft manufacturer | During operation |
| 179-BD | 14.07.8 6 | Cockpit doors modification | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 180-BD | 15.05.8 6 | Reinforcement of bulkhead No.0, No.8 and profile 0100-20 | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 181-BD | 30.10.8 6 | Replacement of rudder flange and bearing in the lower rudder hinge | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 182-BD | 25.06.8 6 | Installation of reinforcement plates on the canopy post No.0160-40 | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 183-BD | 27.08.8 6 | Replacement of aileron attachment bolts No.2000-19 with bolts No.2000-19A | 0601-0730 | Overhaul factory | Major overhaul |

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|--------|--------------|---|-----------|--|------------------------------------|
| 185-BD | 15.05.8 6 | Manuals clarification (regarding air heater) | All | | Information bulletin |
| 186-BD | 25.06.8 6 | Reinforcement of attachment of ribs tail parts to the wing rear spar | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 187-BE | 24.03.8 7 | Manuals clarification (regarding bulletin No.177-BD) | All | | Information bulletin |
| 188-BR | 15.06.8 7 | Clarification of Major Overhaul Manual and parts catalogue (regarding bulletin No.177-BD) | All | | Information bulletin |
| 189-BR | 30.10.8 6 | Clarification of Major Overhaul Manual | All | | Information bulletin |
| 190-BD | 29.10.8 6 | Replacement of the battery access door diaphragm with the reinforced diaphragm No.1020-180-31 | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 191-BD | 29.10.8 6 | Replacement of the diaphragm which connects tail parts of ribs within the wing center section | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 192-BD | 29.10.8 6 | Replacement of flaps in the PO-250 access door hinge | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 193-BD | 29.10.8 6 | Replacement of shapes in the PO-250 niche with reinforced shapes | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 194-BD | 29.10.8 6 | Replacement of the wing center section step band No.1020-80-90 with the new one | 0601-0730 | Aircraft manufacturer | During operation |
| 195-BD | 08.07.8 7 | Replacement of Teflon washers under the wing fairing attachment bolts | 0601-0730 | Overhaul Factory or Maintenance Organization | Major overhaul or during operation |
| 196-BD | 26.08.8 6 | Replacement of loose rivets attaching lower skin to the wing center section | 0601-0730 | Overhaul factory | Major overhaul |
| 197-BD | 27.08.8 6 | Elimination of cracks on the oil cooler inlet. Arc welding | 0601-0730 | Overhaul factory | Major overhaul |
| 198-BE | 08.05.8 7 | Clarification of weight and balance data | All | | Information bulletin |
| 200-BD | 11.03.8 7 | Fin skin reinforcement and repair | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 201-BD | 13.04.8 7 | Replacement of canopy bracket No. 0161-10 with the reinforced one | 0601-0730 | Overhaul factory | Major overhaul |
| 202-BU | 05.01.8 7 | Replacement of balls in landing gear jacks | 0601-0730 | Overhaul factory | Major overhaul |
| 203-BD | 13.04.8 7 | Addendum to the bulletin No.157-BD (regarding canopy brackets replacement) | 0601-0730 | | Information bulletin |
| 204-BD | 08.05.8 7 | Installation of the cover No.9960-120 for the DS-1 sender protection | 0601-2027 | Aircraft manufacturer | During operation |
| 205-BD | 08.05.8 7 | Clarification of the bulletin No.173-BD (bracket replacement after 2000 flight hours) | 0601-0730 | | After 2000 flight hours |
| 206-BR | 10.11.8 7 | Clarification of Major Overhaul Manual and parts catalogue | All | | Information bulletin |
| 207-BD | 01.09.8 7 | Replacement of control column locking bolts and their wire locking | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 208-BD | 02.09.8 7 | Replacement of shapes attaching ribs to the front wing spar | 0601-0730 | Aircraft manufacturer | Major overhaul |
| 209-BD | 04.04.8 8 | Modification of fuel breathing system | | | |
| 211-BD | 04.04.8 8 | Manuals clarification (regarding bulletin No.209-BD) | | | Information bulletin |
| 212-BR | 04.04.8 8 | Major Overhaul Manual clarification (regarding bulletin No.209-BD) | | | Information bulletin |
| 215-BD | 19.02.8 8 | Replacement of the MU-615 sender attachment (SARPP-12K system) | 0601-0730 | Aircraft manufacturer | Major overhaul |

NOTE

No Service Bulletins (Airworthiness Directives) have been issued subsequent to 1998.

A list of Service Bulletins can be obtained from Yakovlev Design Bureau (address as Page 1) or from either of the following:

Kobo-Coop'96 Kft
9027 GYŐR
Vágóhíd utca 7.,
Hungary

Mr Béla Kóbori
Tel: +36 96 348 144
Email: b.kobori@mail.kobocoop.hu

Richard Goode Aerobatics
Rhodds Farm,
Lyonshall
Herefordshire
HR5 3LW
United Kingdom

Tel: +44 (0) 1544 340 120
E-mail: richard.goode@russianaeros.com

SECTION 3: Occurrence Reporting

This Specific Airworthiness Specification may be used as a basis for the issue of a Restricted Certificate of Airworthiness in accordance with 21A.173 (b)(2) under the following conditions:

- a) The holder of a Restricted Certificate of Airworthiness based on this Specific Airworthiness Specification shall report to the State of Registry all information related to occurrences associated with the operation of the aircraft which affects or could affect the safety of operation¹.
- b) Such reports shall be despatched within 72 hours of the time when the occurrence was identified unless exceptional circumstances prevent this.
- c) The State of Registry shall forward the information received under (a) to the Agency when it relates to failures, malfunctions, defects or other occurrences which cause or might cause adverse effects on the continuing airworthiness of the aircraft.

Section 4: Other Limitations

This aircraft is limited to non-commercial operations.

¹ AMC 20-8 contains guidance describing the occurrences which are to be reported. This document can be found on the EASA website under Regulations>Certification Specifications: