

Eiri Avion (Finland)

| Status | Subject | Detail | Reference information | TNS |
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Contact:

Note that the Pik 20 used a different resin, with a different curing temperature compared to most other gliders built during the 1970s and 80s.

This is a source of flight and repair manuals and most of the construction drawings. http://www.yksityisilmailu.fi/ilma-alukset/harrasteilma-aluksen_lentokelpoisuus/pik-20-tuki/

This is an unofficial source of data <http://pik20.streckenflug.at/index.php?inc=modelle>

This is an unofficial source of ADs, manuals and Service Bulletins. <http://pik20.streckenflug.at/index.php?inc=tm>

Note these are all EASA SAS orphan aircraft. Not annex 2

Pik 20 Flight manual found here <https://members.gliding.co.uk/library/uncategorised/pik-20-flight-manual/>

Pik 20B Service manual found here <https://members.gliding.co.uk/library/uncategorised/pik-20b-service-manual/>

Pik 20B Repair manual found here <https://members.gliding.co.uk/library/uncategorised/pik-20b-repair-manual/>

Pik 20D Flight manual found here <https://members.gliding.co.uk/library/uncategorised/pik-20d-flight-manual/>

Pik 20D Flight manual supplement found here <https://members.gliding.co.uk/library/uncategorised/pik-20d-flight-manual-supplement/>

Pik 20D Service manual found here <https://members.gliding.co.uk/library/uncategorised/pik-20d-service-manual/>

Pik 20D Repair manual found here <https://members.gliding.co.uk/library/uncategorised/pik-20d-repair-manual/>

Pik 20E Repair manual found here <https://members.gliding.co.uk/library/uncategorised/pik-20e-repair-manual/>

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| <u>Vasama Pik 16C</u> | | | | |
| | Wings | pin security in fuselage | SB M227/64/2 | |
| M | Rudder cables | replace with 3/32" Mil spec 1511 | SB M278/64/2 | |
| M | Rudder pulleys | replace | SB M300/65/2 | |
| M | Push rod end fittings loose | inspect | SB M784/78 | 04/88 |
| <u>Pik 20 series</u> | | | | |
| R | Tailplane | front fitting modify | SB M1 | 10/75 |
| I | Data plate | Introduction of fire proof data palte | SB M2 | |
| R | Elevator disconnects | secure connector with Fokker pin | SB M3 | 10/75 |
| R | Undercarriage | free operation of locking pin | SB M4 | 10/75 |
| R | Elevator and T P | shroud jamming | SB M5 | 10/75 |
| M | Rudder cables | worn against flap drive operating rod | AD 2004-20058, SB M6 | 10/75 |
| R | Flap drive | knob insecure | SB M7 | 10/75 |
| I | Flaps | Mass balance | SB M8 | |
| I | Flying controls | Flap & aileron interconnection | SB M 9 | |
| I | Weight increase | 450 Kg AUW, max water 140 Kg | SB M10 | 07/76 |
| I | Data plate | Replacement of data plate | SB M11 | |
| R | Flaps | lubricate with Molycote | SB M12 | 10/76 |
| R | Controls | Airbrake locking force | SB M13 | |
| M | Tow hook | Modification of Tost Europa hook | AD 735/77, SB M14 | |
| M | Safety harness | "LIV" replace with LEKO/1 | AD 746/77, SB M15 | 09/77 |
| M | Flaps | Inspection & modification of flap gear rack | AD 736/77, SB M16 | |
| R | Spar bonding | check for voids | SB M17 | 07/77 |
| M | Rudder cable | failure, worn on u/c lever bolt ends | AD 779/78, SB M 18 | 04/78 |
| R | Wheel fouls landing gear | 5 mm minimum clearance | SB M19 | 01/79 |
| R | Water ballast - slow draining | tanks too long /pipes restricted | SB M20&21 | 06/79 |
| M | Landing gear | Corrosion | AD 851/79, SB M22 | |
| I | Fuselage | Installation of fuselage to wing fairings | SB M 23 | |
| R | Wing skin | incomplete bonding inspect & repair as necessary | SB M20D-24 | 06/80 |

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| R | Access panels | Introduce securing of inspection panels | SB M25 | |
| M | Rudder lower hinge failure | rudder separation modify | AD M1232/84, SB M 20-26 | 06/83 |
| M | Controls | Aileron mass balance | AD M 1479/87R1 | 12/87 |
| M | Controls | L'Hotellier locking & annual inspection | AD 93-001/3 | |

Pik 20E (Powerplant) in addition to PIK20 series

| | | | | |
|---|----------------------|--------------------------------------|----------------------------|---------------|
| M | Starting circuit | dual solenoids | CAA Notice N° 33, SB M20 E | 08/79 |
| M | Fuel tank chafed | by tow release cable clip - re-clip | SB M20 E3 | 04/80 |
| M | Fuel flow restricted | pipe clamps too tight & dirt in fuel | SB M20 E4 | 06/80 |
| M | Electrical system | mods to reduce consumption | SB H2SE-1A | 12/80 |
| M | Prop hub | bearing failure | CAA - AN 36, AD 90-239 | 08/99 & 10/90 |
| M | Fuel System | inspection of fuel hose clips | AD M1200/83 | |
| M | propeller | Inspection of propeller hub mounting | AD M1737/90R1 | |

Pik 20 and Pik 20E In Service Reports (Advisory)

| | | | | |
|---|------------------------------|--|--|---------------|
| R | Lightning strike protection | fit bonding | | 10/75 |
| R | Tow rings | hang up in hook access hole, cut clearance | | 10/75 |
| R | Rudder travel | restricted at extreme pedal adjustment, limit adjustment | | 06/84 |
| | Heavy landing | rudder lower hinge failed | | 04/89 |
| R | Elevator control | foul in cockpit with flap lever leaf spring | | 06/90 |
| R | Elevator control | foul in cockpit by misaligned trim spring fouling seat pan | | 02/94 |
| | Elevator controls | uniball joint thread stripped | | 10/92 |
| R | Cable release | relocation to improve pilot access | | 06/93 |
| R | Landing gear | No locking on main wheel axle drill holes and fit wire-locking | | 06/97 |
| R | Engine down lock fouled | by restraint cable modify if necessary | | 04/80 |
| R | Fuel tank chafed | by seat back cable tube clamps | | 02/94 |
| | Fuel gauge inaccurate | calibrate | | 12/82 |
| | Power plant wiring | damaged | | 12/82 |
| R | Fuel flow | restricted by hose at filter check flow rates | | 10/94 & 12/85 |
| | Electrical bonding | connection by pylon failed | | 06/94 |
| | Intermittent ignition faults | cracked spark plug connector | | 02/99 |

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|--------|----------------------------|---|-----------------------|--------|
| I | Propeller bearing failures | Maintenance information | | 02/04 |
| I | Pick 20 Support | Drawings library and AD information moved see TNS for web links | | 6-2013 |