

Factory Mods Index

Factory modifications consist of kits of parts and instructions available from Europa. They have the same status as LAA Standard Mods. You may install the mod and it can be signed for by your local inspector.

Modification numbers 1 to 14 inclusive were allocated internally, and are not shown on customers' paperwork. All mandatory modifications up to Mod 58 are incorporated into the XS design.

The Bug-Eye mod has no number and the Mod number 70 was used, in error, twice. The first Mod 70 is now known as "Turbo Intercooler".

- 1/1 **Mandatory**, Rudder tip shape, 23.4.93, , C/N 1 – 10 only
 - 2/1 **Mandatory**, Flap root core hot wire cut omitted, 24.11.93, Wing kits delivered prior to 24.11.93
 - 3/1 **Mandatory**, Wing push rod channel misalignment, C/N 1,3,11,12,13,15,16,17,22,27,33,34
 - 4/1 **Mandatory**, Aileron bellcrank bracket stop bolt position, 13.5.94 Wing kits delivered prior to 30.8.94
 - 5/1 **Mandatory**, Tailplane drive arm centre pin mass balance hole, 29.9.94, C/N1 – 150
 - 6/1 **Mandatory**, Tailplane rib/t.e. close-out bracket between tailplane outboard rib and closeout, 10.10.94, All aircraft Page 4-13 Issue 2 Rev 2
 - 7/1 **Mandatory**, OR5 shape, 20.10.9, Wing kits delivered prior to 12.10.94
 - 8/1 **Optional**, DL03 shape, 20.10.94, As required
 - 9/1 **Mandatory**, Tailplane drive arm new hole positions, 1.2.95, C/N 1 – 250
 - 10/1 **Mandatory**, TP18 adjuster, 21.2.95, C/N 1 – 250
 - 11/1 **Mandatory**, W16 hole moved, 25.3.95, Wing kits delivered prior to 24.3.95
 - 12/1 **Mandatory**, Rudder pedal stiffening (5/8" Steel tubes Reduxed inside), 10.5.95, All aircraft Page 10-63 Prelim Issue 15
 - 13 /1 **Mandatory**, Bungee attachment – LG02A, B, C, 14.8.95, LG02 items delivered prior to 12.10.95
 - 14/1 **Mandatory**, Fuel tank spacers (1/2" ply / Bid "tee" / alloy angle spacer between rear face of seatback and forward face of tank), 7.9.95, All aircraft, Page 10-52A, B & C Prelim Issue 23
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- 15/1 **Mandatory**, Forward lift pin/fuselage stiffening (1/4" foam / Bid " top hat stiffener", vertically from thigh support to door sill), 14.9.95, All aircraft, Page 10-87 Prelim Issue 22
 - 16/1 **Mandatory**, Shock absorber block shape modification, 7.11.95, All kits with LG06 without "V" shaping
 - 17/1 **Mandatory**, Rudder pedal guides (Tufnell blocks) to clear the Undercarriage Frame), 7.11.95, All aircraft Page 10-65C & D prelim Issue 23
 - 18/1 **Mandatory**, Pitot and static positioning, (to the XS wing position), 10.11.95, All aircraft Page 7-10
 - 19/2 **Mandatory**, Rear lift pin top hat stiffener, 5.12.95, All aircraft, Page 30-5 Issue 1
 - 20/1 **Mandatory**, Throttle closed stop, 4.12.95, All Rotax aircraft Page E1-4 Issue 1 rev 2 Rotax FF Manual
 - 21/3 **Mandatory**, Replacement of OR4P/S, OR7, OR11, 4.12.95, All aircraft, Page 9-13 & ff Issue 3
 - 22/1 **Mandatory**, Drilling of tail wheel rubber blocks, 5.12.95, Tail wheel rubbers delivered prior to 1.11.95
 - 23/1 **Mandatory**, Rudder pedal floor stiffening, 12.12.95, All aircraft, Page 10-65A Prelim Issue 23
 - 24/1 **As required**, Seat width increase, 20.12.95, **Optional**,
 - 25/1 **Mandatory**, Rudder pedal crank positioning, 18.1.96, Fuselage kits issued prior to 18.1.96

- 26/1 Cancelled, Landing gear shock absorber, 22.1.96, All aircraft Cancelled by Mod 37
- 27/1 **Mandatory**, PRO 805 fuel filter, 22.2.96, All Rotax aircraft Page E7-1 Iss 1 rev 1 Rotax Engine Kit manual
- 28/1 **Mandatory**, Landing gear stiffening struts, 11.4.96, Fuselage kits delivered prior to 22.3.96
- 29/2 Optional, Undercarriage damper (Issue 2), 1.11.96, (iss 2), All monowheel aircraft
- 30/1 **Mandatory**, Outrigger leg length increase, 24.6.96, All monwheel aircraft Page 9-23 Issue 4
- 31/1 **Mandatory**, Fuel sight gauge, 12.8.96, All aircraft Page 34-3 Issue 4
- 32/1 **Mandatory**, Engine bay fuel line insulation, 12.8.96, Rotax Engine Kit Page E7-2 Issue 1 rev 1 manual.
- 33/4 Optional, Water drain valves installation, 9.96, As required
- 34/1 Optional, Fuel tank vent extension tube, 3.10.96, As required Combined Manual Issue 3
- 35/1 **Mandatory**, Door handle guard, 3.10.96, All aircraft Page 33-9 Issue 1
- 36/1 Cancelled, Undercarriage mounting frame "U" bolts, 11.10.96,
- 37/1 **Mandatory**, Modification to undercarriage system, 22.10.96, All monowheel aircraft
- 38/1 Optional, Fuel tank and sight gauge vents, 5.12.96, All aircraft Page 34-1 Issue 4
- 39/1 **Mandatory**, Modification to door latches, 20.5.97, All aircraft Page 33-4 Issue 1
- 40/1 **Mandatory**, Modification to Rotax fuel system, 3.6.97, All Rotax 912 aircraft Page E7-2 Issue 1
- 41/1 **Mandatory**, Modification to nose gear, 20.5.97, Tri-gear aircraft, nose gear dispatched before 30.4.97
- 42/3 Optional, Cold air inlet plenum modification, 20.8.97, As required Rotax 912 aircraft
- 43/7 Optional, Modification to tail wheel, 23.10.97, Monowheel aircraft as required
- 44/1 **Mandatory**, Tri-gear nose wheel mounting, 30.9.97, All Tri-gear Europas before end Sept. 1997 Page 29-10 Issue 1
- 45/1 **Mandatory**, Nose wheel bungee mounting, 2.9.97, All Tri-gear Europas before end September 1997 Page 29-12 Issue 1
- 46/3 **Mandatory**, Pitch torque tube end cap replacement, 23.1.98, All Europa aircraft with fuselages dispatched before 10 Feb 1998 Page 15-1 Issue 2
- 47/4 Optional, Extended baggage bay modification, 19.3.98, Pre-XS Europa fuselages as required
- 48/2 **Mandatory**, Re-routing of oil return hose Rotax 912, 20.9.98, Pre-XS 912 Installation only
- 49/2 Recommended, Modification to fuel filter, 24.9.98, All Rotax 912 Engined Europa's Sept 2001
- 50/1 Recommended, Under wing Pitot/static, 24.9.98, All Pre-XS Europa's
- 51/2 Optional, Landing gear retract lever strut, 4.2.99, All Mono-wheel Europas
- 52/4 Optional, Gross weight increase to 1370lb, 02.05.00, All pre XS Europas
- 53/2 Optional, Long ranger fuel tank, 4.6.99, All Europa aircraft, (NOT LAA approved for Trigear)
- 54/1 Optional, Cranked 1" dia. control columns, 15.6.99, All Europa aircraft Combined Manual Issue 3
- 55/1 Optional, Speed kit – Mono-wheel, 7.9.99, All Europa Mono-wheel aircraft
- 56/2 Optional, Speed kit – Tri-gear, 03.00, All Europa Tri-gear aircraft
- 57/3 **Mandatory**, Nose gear leg to housing reinforcement, 09.00, All Europa Tri-gear aircraft
- 58/2 **Mandatory**, Anti-servo/ trim tab drive pin replacement, 18.12.00, All Europas

Mods applicable to XS Aircraft

- 59/1 Recommended, Nose wheel shimmy damper, 01.10.01, All Tri-gear a/c, Combined Manual Issue 3
- 60/3 Optional, Electric fuel contents gauge (float type), 22.02.02, All Europa aircraft
- 61A/2 Optional, Stall Warner (new build), 15.04.02, XS wing only
- 61B/2 Optional, Stall Warner (retrofit), 22.04.02, All Europa aircraft
- 62/1 Optional, Torque tube pins replacement, 30.06.02, All Europa Aircraft
- 63/1 Optional, Instrument panel inserts, 30.06.02, All Europa Aircraft
- 64/2 Optional, Hi-Top Modification, 23.10.02, All Europa Aircraft
- 65/1 Optional, Finger Brake System, 09.10.03, Europa XS Tri-gear Aircraft
- 66/1 Optional, Door Gas Strut Repositioning, 09.10.03, All Europa Aircraft
- 67/1 Optional, Cockpit Width Increase.
- 68/1 Optional, Electric flap drive - conventional taildragger, 10.1.04, Conventional taildragger Europas
- 69/1 Optional, Wing tie down points, 10.01.05, XS aircraft only
- 70/1 **Mandatory**, Tailplane Mass balance arm replacement, 06.2005,
- 71/1 Optional, Nose gear leg bungee, replacement with springs, 01.05.2006, Europa XS Tri-gear Aircraft
- 72/1 **Mandatory**, Undercarriage mounting frame strengthening, 01.12.2006, Most Europa Aircraft.
- 73/1 **Mandatory**, Tailplane retention, 01.07.2007, All Europa Aircraft.
- 74/1 **Mandatory**, Wing rear attachment reinforcement, 01.08.2007, All Classic with foam core wings.
- 75/1 Optional, Roll trim autopilot (revamp of LAA SM10507)
- 76/1 Optional, Altitude hold autopilot.
- 77/1 Optional, Push rod rudder drive (revamp of LAA SM11414)

Undocumented Mods (as detailed in factory news letters etc)

- a) Issue 22 Brake calliper position. Torque plate (LG21) Ensure you have the LG21 which positions the calliper in line with the swing arm
- b) Issue 23. Fuel filler hose. Check this has a yellow and red date marking
- c) Issue 24 Dec 99, Trigear centre tunnel bulkhead (Also centre tunnel access check this
- d) Issue 25 March 00, XS fuel filler. Three ply BID reinforcement of skin [Not Classic]
- e) Issue 25, March 00, Vent holes for area below rudder pedal floors.
- f) Issue 30 June 01, Wheel fairing mud shields
- g) Issue 35 Sept 02, Landing gear frame, misplaced inserts
- h) Issue 37 March 02, Boost/manifold pressure gauge plumbing (not in Europa Pricelist)
- i) Issue 38, rear battery tray (not in Europa price list)
- j) Issue 39, Sept 02, Checking procedure for rudder pedal installation

LAA Mods applicable to XS Aircraft

All of type

10051/1 Pippin covers

10297/1 Door locks

10371/1 Graham Singleton's Tailwheel mod

10601/1 IR Centre tunnel mod

11123/1 Graham Singleton's phenolic firewall

Standard Mods

10401/2 Fitting strobes.

10402/1 Panel, removable sub panels

10403/1 Seat lockers

10404/1 Over voltage protection

10405/1 Cowl attachment with Southco fastners

10447/1 Capacitance fuel gauge

10661/2 Outrigger modification

10672/1 Improved TP5 location

11321/1 Ant shock mount for panel

11324/1 Direct vision panel

11362/1 Revised (Tropical) oil/water cooler air intake

11414/1 Graham Singleton's pushrod rudder drive

10507/4 Roll autopilot