



# Mods & Service Bulletins

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## Modification Index

No	Description	Date	Compliance	Applicability
1/1	Rudder tip shape	23.4.93	Mandatory	C/N 1 – 10 only
2/1	Flap root core hot wire cut omitted	24.11.93	Mandatory	Wing kits delivered prior to 24.11.93
3/1	Wing push rod channel misalignment	-	Mandatory	C/N 1,3,11,12,13,15,16,17,22,27,33,34
4/1	Aileron bellcrank bracket stop bolt position	13.5.94	Mandatory	Wing kits delivered prior to 30.8.94
5/1	Tailplane drive arm center pin, mass balance hole	29.9.94	Mandatory	C/N1 – 150
6/1	Tailplane rib/t.e. closeout "bid" bracket	10.10.94	Mandatory	All aircraft
7/1	OR5 shape	20.10.9	Mandatory	Wing kits delivered prior to 12.10.94
8/1	DL03 shape	20.10.94	Optional	A/R
9/1	Tailplane drive arm new hole positions	1.2.95	Mandatory	C/N 1 – 250
10/1	TP18 adjuster	21.2.95	Mandatory	C/N 1 – 250
11/1	W16 hole moved	25.3.95	Mandatory	Wing kits delivered prior to 24.3.95
12/1	Rudder pedal stiffening (5/8" tube insert)	10.5.95	Mandatory	All aircraft
13 /1	Bungee attachment – LG02A, LG02B, LG02C	14.8.95	Mandatory	LG02 items delivered prior to 12.10.95
14/1	Fuel tank spacers	7.9.95	Mandatory	All aircraft
15/1	Fwd lift pin/fuselage stiffening	14.9.95	Mandatory	All aircraft
16/1	Shock absorber	7.11.95	Mandatory	All kits with LG06 without "V"

	block shape modification			shaping
17/1	Rudder cable guides	7.11.95	Mandatory	All aircraft
18/1	Pitot positioning	10.11.95	Mandatory	All aircraft
19/2	<a href="#">Rear lift pin top hat stiffener</a>	5.12.95	Mandatory	All aircraft
20/1	<a href="#">Throttle closed stop</a>	4.12.95	Mandatory	All Rotax aircraft
21/3	<a href="#">Replacement of OR4P/S, OR7, OR11</a>	4.12.95	Mandatory	All aircraft
22/1	<a href="#">Drilling of tail wheel rubber blocks</a>	5.12.95	Mandatory	Tail wheel rubbers delivered prior to 1.11.95
23/1	<a href="#">Rudder pedal floor stiffening</a>	12.12.95	Mandatory	All aircraft
24/1	<a href="#">Seat width increase</a>	20.12.95	Optional	As required
25/1	<a href="#">Rudder pedal crank positioning</a>	18.1.96	Mandatory	Fuselage kits issued prior to 18.1.96
26/1	<a href="#">Landing gear shock absorber</a>	22.1.96	Cancelled	All aircraft
27/1	<a href="#">PRO 805 fuel filter</a>	22.2.96	Mandatory	All Rotax aircraft
28/1	<a href="#">Landing gear stiffening struts</a>	11.4.96	Mandatory	Fuselage kits delivered prior to 22.3.96
29/2	<a href="#">Undercarriage damper (Issue 2)</a>	1.11.96 (iss 2)	Optional	All monowheel aircraft
30/1	<a href="#">Outrigger leg length increase</a>	24.6.96	Mandatory	All monowheel aircraft
31/1	<a href="#">Fuel sight gauge</a>	12.8.96	Mandatory	All aircraft
32/1	<a href="#">Engine bay fuel line insulation</a>	12.8.96	Mandatory	All Rotax aircraft
33/4	<a href="#">Water drain valves installation</a>	9.96	Optional	As required
34/1	<a href="#">Fuel tank vent extension tube</a>	3.10.96	Optional	As required
35/1	<a href="#">Door handle guard</a>	3.10.96	Mandatory	All aircraft
36/1	Undercarriage mounting frame "U" bolts	11.10.96	Cancelled	
37/1	<a href="#">Modification to</a>	22.10.96	Mandatory	All monowheel aircraft

	<a href="#">undercarriage system</a>			
38/1	<a href="#">Fuel tank and sight gauge vents</a>	5.12.96	Optional	All aircraft
39/1	<a href="#">Modification to door latches</a>	20.5.97	Mandatory	All aircraft
40/1	<a href="#">Modification to Rotax fuel system</a>	3.6.97	Mandatory	All Rotax 912 engined aircraft
41/1	<a href="#">Modification to nose gear</a>	20.5.97	Mandatory	Tri-gear aircraft, nose gear dispatched before 30.4.97
42/3	<a href="#">Cold air inlet plenum modification</a>	20.8.97	Optional	As required – Rotax 912 aircraft
43/7	<a href="#">Modification to tail wheel</a>	23.10.97	Optional	Monowheel aircraft as required
44/1	<a href="#">Tri-gear nose wheel mounting</a>	30.9.97	Mandatory	All Tri-gear Europas dispatched before end September 1997
45/1	<a href="#">Nose wheel bungee mounting</a>	2.9.97	Mandatory	All Tri-gear Europas dispatched before end September 1997
46/3	<a href="#">Pitch torque tube end cap replacement</a>	23.1.98	Mandatory	All Europa aircraft with fuselages dispatched before 10 Feb 1998
47/4	<a href="#">Extended baggage bay modification</a>	19.3.98	Optional	Pre-XS Europa fuselages as required
48/2	<a href="#">Re-routing of oil return hose Rotax 912</a>	20.9.98	Mandatory	Pre-XS 912 Installation only
49/2	<a href="#">Modification to fuel filter</a>	24.9.98	Recommended	All Rotax 912 Engined Europa's
50/1	<a href="#">Under wing Pitot/static</a>	24.9.98	Recommended	All Pre-XS Europa's
51/2	<a href="#">Landing gear retract lever strut</a>	4.2.99	Optional	All Mono-wheel Europas
52/4	<a href="#">Gross weight increase to 1370lb</a>	02.05.00	Optional	All pre XS Europas
53/2	<a href="#">Long ranger fuel tank</a>	4.6.99	Optional	All Europa aircraft
54/1	<a href="#">Cranked 1" dia. control columns</a>	15.6.99	Optional	All Europa aircraft
55/1	<a href="#">Speed kit – Mono-wheel</a>	7.9.99	Optional	All Europa Mono-wheel aircraft
56/2	<a href="#">Speed kit – Tri-gear</a>	03.00	Optional	All Europa Tri-gear aircraft
57/3	<a href="#">Nose gear leg to housing reinforcement</a>	09.00	Mandatory	All Europa Tri-gear aircraft
58/2	<a href="#">Anti-servo/ trim tab drive pin replacement</a>	18.12.00	Mandatory	All Europas (stage 1 kit dispatched before Dec 1 2000)
59/1	<a href="#">Nose wheel shimmy damper</a>	01.10.01	Recommended	All Europa Tri-gear aircraft

60/3	<a href="#">Electric fuel contents gauge (float type)</a>	22.02.02	Optional	All Europa aircraft
61A/2	<a href="#">Stall Warner (new build)</a>	15.04.02	Optional	XS wing only
61B/2	<a href="#">Stall Warner (retrofit)</a>	22.04.02	Optional	All Europa aircraft
62/1	<a href="#">Torque tube pins replacement</a>	30.06.02	Optional	All Europa Aircraft
63/1	<a href="#">Instrument panel inserts</a>	30.06.02	Optional	All Europa Aircraft
64/2	<a href="#">Hi-Top Modification</a>	23.10.02	Optional	All Europa Aircraft
65/1	<a href="#">Finger Brake System</a>	09.10.03	Optional	Europa XS Tri-gear Aircraft
66/1	<a href="#">Door Gas Strut Repositioning</a>	09.10.03	Optional	All Europa Aircraft
68/1	<a href="#">Electric flap drive - conventional taildragger</a>	10.1.2004	Optional	Conventional taildragger Europas

1. Modification numbers 1 to 14 inclusive were allocated internally, and will not be shown on c  
For these modifications the issue date should be used for identification.
2. Where appropriate, modifications are applicable only until their contents are included in the
3. All mandatory modifications up to Mod 58 are incorporated into the XS design.

## Service Bulletin Index

No.	Description	Date	Classification	
1	<a href="#">Fuel vapor locking</a>	Jun-96	Mandatory	/
2	<a href="#">Fuel filler hose</a>		Mandatory	(
3	<a href="#">Rotax 912 exhaust system</a>	Sept-98	Mandatory	Cl
4	<a href="#">Facet electric fuel pumps</a>	Nov-99	Mandatory	/
5	<a href="#">Cold air plenum installation</a>	May-00	Mandatory	All 9
6	<a href="#">Classic exhaust system port rear down pipe</a>		Mandatory	912
7	<a href="#">Throttle cable checking</a>	Sept-01	Mandatory	
8	<a href="#">XS Port wing closing panel stiffener</a>	Sept-01	Mandatory	
9	<a href="#">Main gear leg socket</a>	Nov-01	Mandatory	Tri-g

10	<a href="#">Aileron close-out mispositioning (XS wings)</a>	April-02	Mandatory	XS v
11	<a href="#">XS Rotax 912/912S Exhaust Silencer – Baffle Failure</a>	July-02	Mandatory	XS e



## AP332

[click below to download pdf](#)

<a href="#">APL-SB12</a>	Improved Procedure for Lubrication of Blade Assemblies
<a href="#">APL-SB12a</a>	(Improved Procedure for Lubrication of Blade Assemblies) Amendmer Manual
<a href="#">APL-SB11</a>	Sealing of Blade Assemblies to Prevent Water Ingress into Hub
<a href="#">APL-SB10</a>	Upgrade of Pitch Change Motor Brushes and Springs
<a href="#">APL-OM332</a>	Owners Manual for AP332 (This file is ~ 1Mb and may take some tim

## AP308

<a href="#">APL-SB14</a>	Sealing of Blade Assemblies to Prevent Water Ingress into Hub
<a href="#">APL-SB13</a>	Addition of O-Ring Seal to Blade Retention Nut to Prevent Water Ingress ir
<a href="#">APL-SB12</a>	Improved Procedure for Lubrication of Blade Assemblies
<a href="#">APL-SB12a</a>	(Improved Procedure for Lubrication of Blade Assemblies) Amendment to ( Manual
<a href="#">APL-SB9</a>	Upgrade to AC200 SmartPitch Controller
<a href="#">APL-SB8</a>	Upgrade of Pitch Change Motor Brushes and Springs
<a href="#">ATL-SB7</a>	Addition of Light Shield to Sensor
<a href="#">ATL-SB6</a>	Replacement of Speed Encoder Transfer
<a href="#">ATL-SB5</a>	Adjustment of Speed Regulator within Automatic Controller
<a href="#">ATL-SB4</a>	Locking of Coarse Pitch Position Micro-Switch Retaining Screws
<a href="#">ATL-SB3</a>	Inspection of Wiring for Pitch Control Motor
<a href="#">ATL-SB-2</a>	Prevention of Water Ingress into Hub
<a href="#">ATL-OM308</a>	Operators Manual for AP308 (This file is ~0.7Mb and may take some time

## Misc

<a href="#">APL-LB1</a>	Propeller Log Book
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**For All Current Rotax Engine Service Information go to:**

<http://www.rotax-owner.com>

**Also, all engine documentation including manuals can be found at**

<http://www.rotax-aircraft-engines.com>

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