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	G3X Fuel Pressure Sensor Installation for R912	Ausgabe / Issue: A.01 Seite / Page: 1 of 1

Service Information SI-AT01-028

A TECHNISCHE ANGABEN

A-1 Betroffene Flugzeuge:

Muster: AQUILA AT01
 Baureihe: AT01-100
 Variante: A (-G3X)

betroffene Werknummern:

AT01: keine
AT01-100: 368 ff

(nur mit Garmin G3X)

A-2 Gegenstand:

Einbau eines zusätzlichen Kraftstoffdrucksensors zur Anzeige auf dem G3X-EIS.

A-3 Anlass:

Optional kann ein zusätzlicher Kraftstoffdrucksensor nachgerüstet werden.

A-4 Information:

Umrüstung gemäß Anhang durchführen.

Der technische Inhalt dieses Dokuments ist vom Entwicklungsbetrieb mit der DOA ref. EASA.21J.025 genehmigt.

Schönhausen, 17. Juli 2024

AQUILA Aviation International GmbH
 OT Schönhausen
 Flugplatz
 D-14959 Trebbin

A TECHNICAL DETAILS

A-1 Airplanes affected:

Type: AQUILA AT01
 Model: AT01-100
 Variant: A (-G3X)

affected S/N:

AT01: none
AT01-100: 368 ff

(only with Garmin G3X)

A-2 Subject:

Installation of an additional fuel pressure sensor for display via G3X-EIS..

A-3 Reason:

Optionally an additional fuel pressure sensor can be retrofitted.

A-4 Information:

Perform retrofit according annex.

The technical content of this document is approved under the authority of the DOA ref. EASA.21J.025.



O. Quast
 Musterprüfleitstelle (MPL)/
 Head of Airworthiness
 Approved Design Organisation EASA.21J.025

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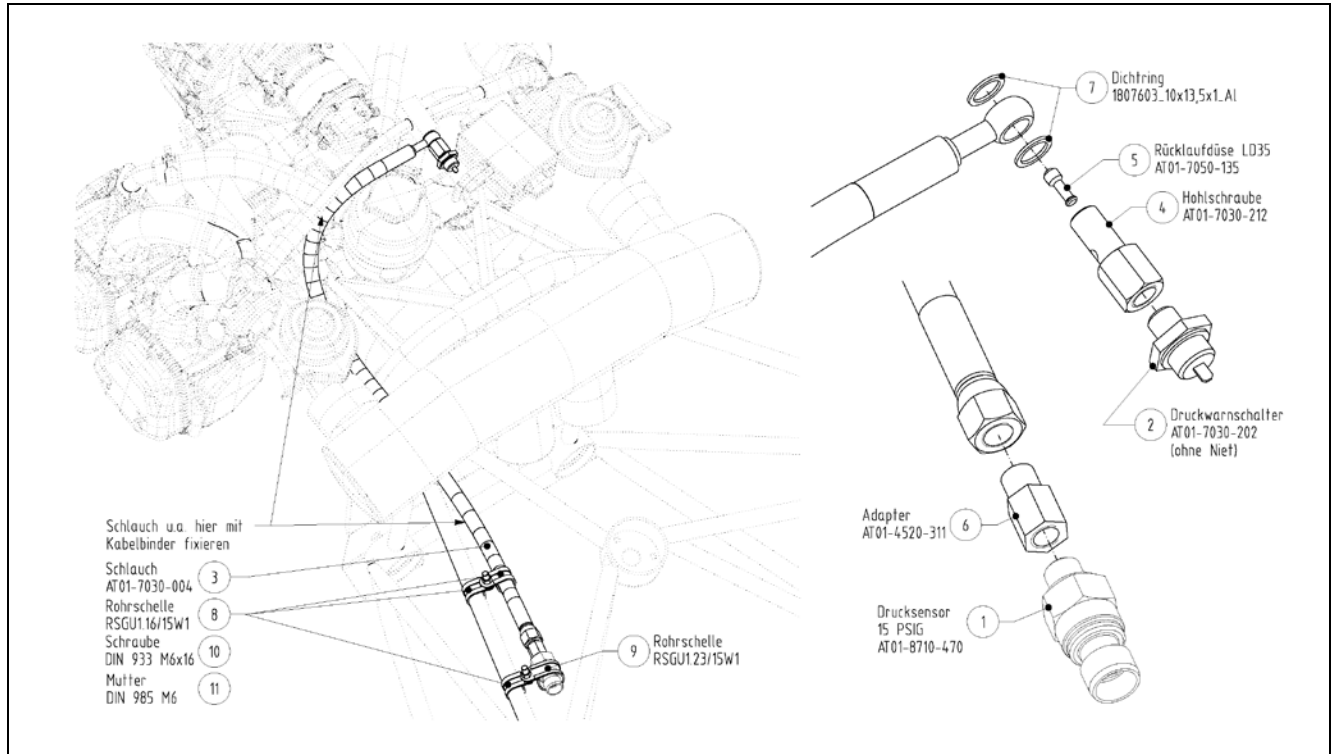
Parts List:

P/N	Designation	QTY	Remarks
AT01-7030-004	Fuel hose for pressure transducer	1	
RSGU1.16/15W1	Clamp to attach hose and sensor	3	
RSGU1.23/15W1	Clamp to attach sensor	1	
DIN 933 M6x16	Bolt	as req.	
DIN 985 M6	Stop nut		
T80I-PA66HS-BK	Cable ties, heat stabilized		
DIN 7603 10x13,5x1	Gasket ring, aluminum, Form A	2	
AT01-7050-135	Restrictor LD35 (Rotax 963143)	1	
AT01-7030-212	Banjo bolt, fuel pressure G3X	1	
AT01-7030-202	Pressure switch, M10x1, 0,15bar	1	
AT01-4520-311	Adapter fitting 4 GTX-S	1	
AT01-8710-470	GARMIN Fuel Pressure Sensor, 15 psi, Gauge, w/connector	1	P/N: 011-05783-10
AT01-4530-142	Crimp contact female AWG24-20	3	M39029/63-368
AT01-4530-712	Crimp contact male AWG24-20	3	M39029/58-363
AT01-4530-710	Crimp contact female AWG24-20	3	M39029/56-351
AT01-4530-599	Crimp contact female 0,5-1,0mm ²	3	Stand. Mate-N-Lok AMP 163304-4
AT01-4530-598	Crimp contact male 0,5-1,0mm ²	3	Stand. Mate-N-Lok AMP 163305-4
AT01-4530-597	Housing female 3pol	1	Std. Mate-N-Lok AMP 1-480303-0
AT01-4530-596	Housing male 3pol	1	Std. Mate-N-Lok AMP 1-480305-0
AT01-4530-520	Solder sleeve 4,3 S02-08-R	4	M83519/2-8
AT01-4530-502	Closed Ring Tongue Terminal M6, AWG 22-16	1	0,25-1,6mm ² , red
AT01-4530-501	Closed Ring Tongue Terminal M5, AWG 22-16	1	0,25-1,6mm ² , red
AT01-4530-500	Closed Ring Tongue Terminal M4, AWG 22-16	3	0,25-1,6mm ² , red
AT01-4530-266	Mil-C-27500 Cable, 3 conductors, shielded	~2,5m	AWG 3C20s

G3X settings:

Fuel pressure	color	bar	psi
optional fuel-press: Garmin GPT-15G range: 0 to 0,55 bar	red+alert	< 0,15	0 to 2,2
	green	0,15 to 0,5	2,2 to 7,2
	red+alert	> 0,5	7,2 to 8,0

Mechanical installation:



Electrical installation:

