

SERVICE INSTRUCTION - PAC

Fuel filter for ROTAX® Aircraft Engines

ATA System: 73-00-00 Fuel system

1) Planning information

“PAC” Service Instruction Documents provide detailed information on non-certified ROTAX® Aircraft Engine Parts and Accessories. Referenced parts and accessories are provided without EASA certification or ASTM compliance. Certification / Compliance of referenced Parts and Accessories must be completed by the aircraft OEM.

To obtain satisfactory results, procedures specified in this publication must be accomplished with accepted methods in accordance with prevailing legal regulations.

BRP-Rotax GmbH & Co KG cannot accept any responsibility for the quality of work performed in accomplishing the requirements of this publication.

1.1) Applicability

Refer to the latest issue of the relevant Illustrated Parts Catalog.

NOTICE

The fuel filter is part of the fuel system on aircraft-side and not a part of the Engine Type Design. The fuel filter has been tested and released by BRP-Rotax, but it is not certified.

The correct function in conjunction with the entire system and the certification of the fuel filter is the responsibility of the aircraft manufacturer.

1.2) Concurrent ASB/SB/SI and SL

None.

1.3) Reason

In the course of continuous development and standardization, a fuel filter (part no. 874060) has been introduced as an optional extra part.

1.4) Subject

Fuel filter for ROTAX® Aircraft Engines.

1.5) Compliance

None - For Information Only.

1.6) Approval

None.

1.7) Labor time and credit

Estimated labor hours:

Engine installed in the aircraft - - - labor time will depend on airframe installation and therefore no estimate is available from the engine manufacturer.

1.8) Mass data

Change of weight: +0.18 kg (0.40 lb)

Moment of inertia - - - unaffected.

1.9) Electrical load data

No change.

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1.10) Software modifications

No change.

1.11) References

In addition to this technical information refer to current issue of

- Operators Manual (OM)
- Illustrated Parts Catalog (IPC)
- Installation Manual (IM)
- Maintenance Manual Line (MML)
- Maintenance Manual Heavy (MMH)

NOTE: The status of the Manuals can be determined by checking the table of amendments. The 1st column of this table shows the revision status. Compare this number to that listed on the ROTAX website: www.FLYROTAX.com. Updates and current revisions can be downloaded for free.

1.12) Other Publications affected

None.

1.13) Interchangeability of parts

- All parts are interchangeable

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2) Material Information

2.1) Material- cost and availability

Price and availability will be provided on request by ROTAX® Authorized Distributors or their independent Service Centers.

2.2) Company support information

- Any possible support by BRP-Rotax will be provided on request by ROTAX® Authorized Distributors or their independent Service Centers

2.3) Material requirement and credit per engine

Parts requirement:

Fig.no.	Part no.	Qty/ engine	Description	Application
1	874060	1	Fuel filter	Fuel system

2.4) Material requirement and credit per spare part

None.

2.5) Rework of parts

None.

2.6) Special tooling/lubricants- /adhesives- /sealing compounds

None.

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3) Accomplishment/Instructions

- ROTAX® reserves the right to make any amendments to existing documents which might become necessary due to this standardization, at the time of next revision or issue.

NOTE: Before maintenance, review the entire documentation to make sure you have a complete understanding of the procedure and requirements.

Accomplishment

All measures must be implemented and confirmed by at least one of the following persons or organizations:

- ROTAX® - Airworthiness representatives
- ROTAX® - Authorized Distributors or their independent Service Centers
- Persons with approved qualifications for the corresponding engine types. Only authorized persons (iRMT, Level Heavy Maintenance) are entitled to carry out this work.

Safety notice



WARNING

Proceed with this work only in a non-smoking area and not close to sparks or open flames. Switch off ignition and secure engine against unintentional operation. Secure aircraft against unauthorized operation.

3.1) Installation - related information

Specifications of the fuel filter	
weight: 0.18 kg (0.4 lb)	differential pressure: 0.02 bar (0.29 PSI)
flow rate: 90 l/h (23.78 gal/h)	



See relevant Installation Manual for the respective engine type, chapter 73-00-00. For dimensions see [Fig. 1](#).

3.2) Maintenance (Line) - related information

Points of inspection	Interval Operating hours		Chapter Reference
	100 h	200 h	
Visual inspection of the GENUINE-ROTAX fuel filter	x		See relevant Maintenance Manual (Line) for the respective engine type and its periodical maintenance information.
Replacement of the GENUINE-ROTAX fuel filter (periodically at TSN or TSO > 100 hours)	x ¹⁾	x	
NOTE: If no GENUINE-ROTAX fuel filter is used, the specifications of the aircraft manufacturers must be observed.			
1) Replace the filter after the first 100 hours, then every 200 hours or max. after 2 years (whichever occurs first)			

NOTICE

The fuel filter must not be dismantled. Replace at maintenance interval or when contaminated.

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3.3) Maintenance (Heavy) - related information

Regarding proper disassembly, assembly, cleaning etc. and further heavy maintenance tasks of the fuel filter see the aircraft manufacturers instruction for continued airworthiness.

ENVIRONMENTAL NOTE

All the operating fluids and cleaning agents can damage the environment if not disposed of properly. Dispose of operating fluids in an eco-friendly manner!

- Restore aircraft to original operating configuration
- Connect negative terminal of aircraft battery

3.4) Test run

In case of uninstalled engines test run can be skipped as this is covered by the mandatory test run after installation.



Conduct test run and perform leakage check. See Chapter 12-20-00 of the latest Maintenance Manual Line for the respective engine type.

3.5) Summary

The execution of the Service Instruction - PAC must be confirmed in the logbook.



A revision bar outside of the page margin indicates a change to text or graphic.

Translation into other languages might be performed in the course of language localization but does not lie within ROTAX® scope of responsibility.

In any case the original text in English language and the metric units are authoritative.

3.6) Inquiries

Inquiries regarding this Service Instruction - PAC should be sent to the ROTAX® Authorized Distributor of your area.

A list of all ROTAX® Authorized Distributors or their independent Service Centers is provided on www.FLYROTAX.com.

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4) Appendix

The following drawings should convey additional information:

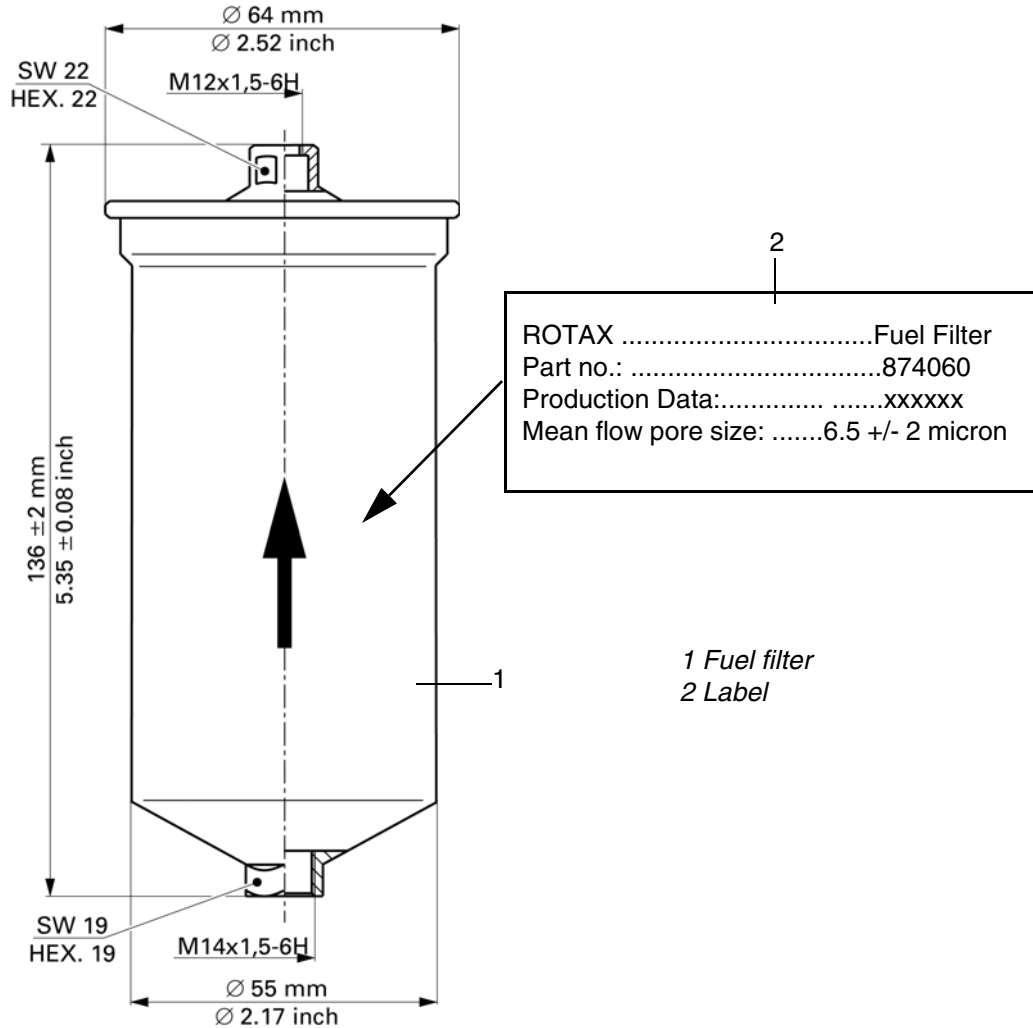


Fig. 1
Fuel filter

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NOTE: The illustrations in this document show the typical construction. They may not represent full detail or the exact shape of the parts which have the same or similar function. Exploded views are **not technical drawings** and are for reference only. For specific detail, refer to the current documents of the respective engine type.

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