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AIRCRAFT ENGINES

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PROGRAM

Valve Spring Retainer Replacement

ROTAX ENGINE TYPE 912/914 SERIES

PRESS RELEASE

*This document is provided as a supplement to
ROTAX Service Bulletin 912-022 and 914-011.*

1.0 SUBJECT

On single valve spring version ROTAX 912 and 914 series engines at first engine run or oil system maintenance the hydraulic valve tappets may be emptied and filled with air resulting in a delayed purging of the lubrication system. Oil system maintenance would be considered any process that involves purging all of the oil from the engine (not simply an oil change) such as removal of oil lines, oil cooler or oil pump. A delayed purging of the lubrication system may cause cracks to form on the valve spring retainer. As a preventative measure, all single valve spring engines must be refitted with the reinforced valve spring retainers.

Complete information is contained in ROTAX Service Bulletin 912-022 / 914-011. This information is available via the Internet at <http://www.rotec.com> and <http://www.rotax-owner.com>. You may also contact your local Service Center to obtain copy.

2.0 AFFECTED ENGINES

ROTAX Engine Type	From Serial Number	Up to and Including Serial Number
912 UL	4 401 880	4 404 123
912 ULS	4 425 001	4 426 604
912 ULSFR*	4 429 501	4 429 597
914 UL	4 417 598	4 417 977
912 A	4 410 204	4 410 421
912 F	4 412 757	4 412 807
912 S	4 922 501	4 922 636
914 F	4 420 039	4 420 253

* 912 ULSFR engines are typically only distributed to France

3.0 HANDLING / COMPENSATION

This program will be handled exclusively through Authorized Rotech Repair Stations (directory attached) as follows:

Total compensation available for affected engines when an Authorized Rotech Repair Station performs the exchange:

- ?? One valve retainer exchange parts kit (p/n 881 900) at no charge when all required information is supplied.
- ?? Labor Credit (maximum 2 hours at standard warranty labour rate)

NOTE:

1. Any additional service or parts required beyond the direct replacement of the valve spring retainers must be bore by the owner.
2. Any additional labor beyond 2 hours required for difficult installations must be bore by the owner.

The two hour labour allowance is **only available** when the exchange is performed by an Authorized Rotech Repair Station.

Total compensation available for affected engines when the exchange is NOT performed by an Authorized Rotech Repair Station:

- ?? One valve retainer exchange parts kit (p/n 881 900) at no charge when all required information is supplied when ordering. (NOTE: For customers who purchase the part with the intent of supplying the required information at a later date, parts refund will only be allowed on the exchange kit after all information is received.)

4.0 SPECIAL TOOLS

Two tool kit options are available. One option is ROTAX tool (part no. 877 387) at a purchase price or loaner deposit of \$180.00. This tool works well on aircraft types which have poor access to the tappet covers of the engine, i.e. pusher configurations with engine mounted over wing.

The second tool kit option is available for purchase only (no loaners available) at the special non-refundable price of \$35.00. This tool is highly recommended for any application where good access is available to the engine tappet covers. The use of this tool will require two technicians to perform the task. This tool is supplied with a section of rope to lock the valves in the cylinder, a method highly recommended over using regulated compressed air.

It is strongly recommended customers use rope for securing the valves in position as opposed to regulated compressed air to ease the task.

5.0 VALIDITY

This exchange program is valid until February 1st, 2002.

AUTHORIZED ROTECH REPAIR STATIONS

<p><u>British Columbia</u> Rotech Research Canada Ltd. 6235 Okanagan Landing Road Vernon, B.C. V1H 1M5 Telephone: 250-260-6289 Fax: 250-260-6269 Sales Inquires: Sales@rotec.com E-mail Contact Addresses</p>	<p><u>Alberta</u> Light Engine Service 12624 - 124 St. Edmonton, AB T5L 0N7 Telephone: 780-452-4664 Fax: 780-452-4664 E-mail: aerocon@telusplanet.net</p>
<p><u>Ontario</u> Lake Central Air Services Muskoka Airport RR 1 Gravenhurst, ON P1P 1R1 Telephone: 705-687-4343 Fax: 705-687-8983 E-mail: info@lakecentral.com www.lakecentral.com</p>	<p><u>Ontario</u> L'il Hustler Ultralight Aviation Services <i>(formerly Buzzman Air Recreational Vehicle Supply)</i> P.O. Box 1710 Holland Landing, ON L9N 1P2 Telephone: 905-836-7588 E-mail: buzzman@ultralightnews.com www.ultralightnews.com</p>
<p><u>Quebec</u> Aero Propulsion Technologie 1700 Ste Angélique St - Lazare (Vaudreuil) Airport, P.Q. J7T 2X8 Telephone: 450-510-1551 Fax: 450-510-1653 E-mail: aeroptec@qc.aira.com</p>	<p><u>Quebec</u> Beauciel 1836 Rue Des Erables St. Lambert De Lauzon, P.Q. G0S 2W0 Telephone: 418-889-8989 Fax: 418-889-8445 E-mail: beauciel@attcanada.ca</p>
<p><u>Saskatchewan - AIR BOAT ONLY</u> Myron Barton Red Deer Hill Road P.O. Box 7 MacDowell, SK S0K 2S0 Telephone: 306-763-4131 Fax: 306-241-5007 E-mail: hbarton@inet2000.com</p>	

**VALVE SPRING RETAINER
EXCHANGE KIT CLAIM FORM**

****PLEASE USE ONE FORM PER ORDER****

CUSTOMER NAME AND SHIPPING ADDRESS

NAME			
ADDRESS			
CITY		PROV/STATE	
ZIP/POSTAL CODE		E-MAIL	
PHONE		FAX	

ENGINE AND AIRCRAFT INFORMATION

ENGINE TYPE		AIRCRAFT SERIAL NO.	
ENGINE SERIAL NO.		AIRCRAFT REG.	
ENGINE TTSN		AIRCRAFT TYPE	
ENGINE TSO			

SERVICE CENTER INFORMATION (This section to be completed by Authorized Rotech Repair Stations only)

WORK PERFORMED BY SERVICE CENTER ? (INDICATE YES OR NO)	YES	NO	SERVICE CENTER NAME	
SERVICE CENTER WORK ORDER NO.			TECHNICIAN NAME	

PLEASE SHIP ONE VALVE SPRING RETAINER KIT TO THE ADDRESS LISTED ABOVE. I UNDERSTAND THAT I WILL NOT RECEIVE A FREE PARTS KIT UNLESS ALL INFORMATION REQUESTED IS PROVIDED. I UNDERSTAND THAT I MUST PAY ALL SHIPPING CHARGES.

DESCRIPTION	TOTAL
Valve Spring Retainer Parts Kit P/N 881 900 (Suggested Retail \$25.00 - No charge when above information is complete)	N/C
?? Tool Kit Option One (Loaner or purchase option) Recommended for aircraft where access to engine tappet covers is restricted or engine is configured with outboard intake manifolds (manifolds reversed from stock position) i.e. pusher application with engine over wing etc., Uses rope to secure valves in position (recommended method over regulated air) ?? ROTAX part no. 877 387 Valve Spring Loading Jig Assembly Refundable Deposit \$180.00	
?? Tool Kit Option Two (Purchase only) Recommended for aircraft types where good access is available to engine tappet covers i.e. tractor applications etc., Two technicians required to complete task. Uses rope to retain valves in position. ?? Part No. VSRTOOL Purchase Price \$35.00 (Non-Refundable – Non-Returnable)	
SUBTOTAL	
APPLICABLE TAX	
TOTAL	

METHOD OF SHIPPING (CHECK PREFERRED METHOD)			
? REGULAR MAIL	? GROUND COURIER	? EXPEDITED COURIER	? OTHER (specify)
PLEASE CHARGE MY MASTERCARD/VISA NUMBER			EXPIRY DATE
SIGNATURE			

SUBMIT THIS FORM TO ANY SERVICE CENTER TO ORDER AN EXCHANGE PARTS KIT

British Columbia Rotech Ph: 250-260-6289 Fax: 250-260-6269	Alberta Light Engine Service Ph: 780-452-4664 Fax: 780-452-4664	Ontario Lake Central Air Services Ph: 705-687-4343 Fax: 705-687-8983	Ontario L'il Hustler Ultralight Aviation Services Ph: 905-836-7588	Quebec Aero Propulsion Technologie Ph: 450-510-1551 Fax: 450-510-1653	Quebec Beauciel Ph: 418-889-8989 Fax: 418-889-8445
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