



1. Effectivity

Pilot Maintenance of Class B piston engine helicopters.

2. Purpose

To advise operators/pilots of a process to be followed whilst completing scheduled maintenance.

3. Background

During recent surveillance of remote helicopter operations, it was evident that some operators required guidance on the requirements of how to correctly certify for the 50 hourly inspection and unscheduled maintenance on their rotorcraft.

Helicopter 50 hourly inspections may also require the completion of specific Engine Service instructions (see Appendix 1).

4. Recommendations

It is recommended that pilots follow the guidelines in Appendix 1 along with the limitations and instructions provided within CASA Schedule 8 Maintenance that may be carried out on a Class B aircraft by a pilot entitled to do so under subregulation 42ZC (4).

Pilots must obtain a CAR 42ZC(6) approval from their local CASA office prior to performing any maintenance activities not specified in CAR 1988 Schedule 8.

5. References

- [CASA Schedule 8](#)
- [CASA Maintenance Guide for Pilots](#)
- CASA AWB 85-013 Issue 1 Piston Engine Oil & Filter Element Inspection
- Robinson 50 hourly maintenance schedule
- Lycoming Service Instruction 1080 latest revision
- Lycoming SB 480 latest revision
- Lycoming operators manual



Pilot Maintenance of Class B Helicopters

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Date : 11 March 2016

6. Enquiries

Enquiries with regard to the content of this Airworthiness Bulletin should be made via the direct link e-mail address:

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or in writing, to:

Airworthiness and Engineering Standards Branch
Standards Division
Civil Aviation Safety Authority
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AIRWORTHINESS BULLETIN

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Appendix 1 – Sample 50 hourly Checklist

- Obtain approved parts to conduct maintenance.
- Have access to the current approved data to conduct the maintenance.
- Use only serviceable calibrated tools i.e. a torque wrench.
- Record 50 hourly and other maintenance on Maintenance Release (Part 1 to Part 2).
- Where defects are found, record the defects on Part 2 of the Maintenance Release, and:
 1. Complete maintenance if within the scope of CASA Schedule 8 or within the Pilots Maintenance Authority issued iaw CAR 42ZC(6), or
 2. Arrange for LAME assistance.
- On completion certify for all maintenance completed on Part 2 of the Maintenance Release (see example Figure 1).
- Reforecast any recurring maintenance due before Maintenance Release expiry onto Part 1 of the Maintenance Release.

Note: Pilot training should be completed to cover additional items called up for inspection by the Robinson Helicopters 50 hourly inspection schedule. The inspections must be considered as appropriate for a pilot to undertake i.e. general type of visual inspection for serviceability for example Lycoming Service Instruction 1080 Latest revision.

Item No.	Endorsements	Signature and Date	Item No.	Clearing Endorsements	Clearing Signature, Licence No./Authority No. and Date
1	Transferred from part 1 item 3 50hrly Insp req. Inclusive of Robinson Helicopters Maint inst Lycoming SI 1080 C Lycoming Maintenance Items Lycoming SB 480 E Oil filter & Screen Clean	<i>J. Smith</i> 29-2-2016	1	Fifty hrly inspection completed inclusive of Robinson maint Lycoming SI 1080 C Lycoming SB 480 E Oil Shell GRN # XX 215 Oil Filter RN # XX 219 Torque Wrench # 1 installed	<i>J. Smith</i> MA 56129

Figure 1. Sample Maintenance Release Part 2, 50 hourly Certification