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Registration no 2002/022837/07
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Manufacturing Organisation M677

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NOTIFICATION

#0013

(Sling Aircraft (Pty) Ltd. considers compliance with all Notifications mandatory)

RELEASE DATE: 13 December 2024

EFFECTIVE DATE: 13 December 2024

SUBJECT: Approval of use of Rotax cover plate to seal hydraulic constant speed governor drive attachment face on Rotax 915 iS-3-A engines.

MODELS AFFECTED: All Sling aircraft fitted or to be fitted with the Rotax 915 iS-3-A engine, and in which no hydraulic governor is used / to be used.

COMPLIANCE TIME: Prior to first engine run if engine has not been run, or at next 25/50/100 hour scheduled maintenance as the case may be.

1. DESCRIPTION AND PURPOSE:

The ROTAX 915iS-3-A engine is supplied with an hydraulic constant speed governor drive designed for controlling hydraulically adjustable propellers. Such engines are supplied by the manufacturer with a “cover plate” for factory test running, transport, handling and protection of the drive (see Fig A).

The ROTAX Installation Manual contemplates the use of the ROTAX 915iS-3-A engine type with an hydraulic governor fitted and does not allow for use of the engine with the cover plate in place instead of an hydraulic governor unit. Numerous Sling Aircraft, however, are fitted with this engine type, but use an electrically controlled propeller without the hydraulic governor.

Sling Aircraft (“Sling”) has performed comprehensive testing and has determined that, where an hydraulic governor is not used (eg – where an electrically controlled propeller is used), operating the ROTAX 915iS-3-A engine with the cover plate installed is safe, subject to proper installation.

This notification accordingly serves to confirm that Sling Aircraft approves the use, in Sling aircraft models, of the ROTAX 915iS-3-A engine with the cover plate fitted in place of an hydraulic governor system.

Sling aircraft owners who intend to fit, have fitted, or are operating the ROTAX 915iS-3-A engines without a propeller governor installed are required to implement the provisions of this Notification #13 for purposes of ensuring correct installation of the cover plate.

1.1. MASS DATA:

N/A

1.2. ELECTRICAL LOAD DATA:

N/A

1.3. SOFTWARE MODIFICATIONS:

N/A

1.4. REFERENCES:

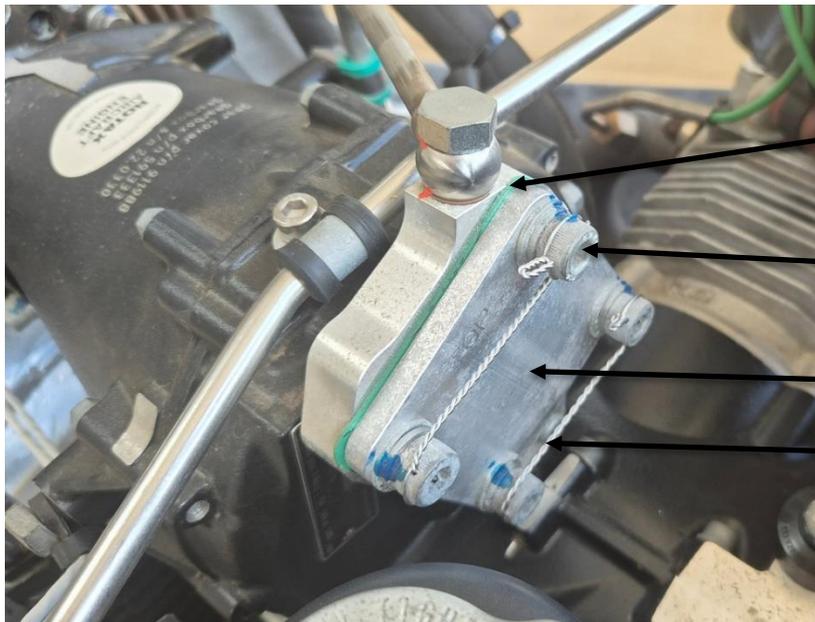
ROTAX Installation Manual for 915iS Engines, Latest Version (ref. www.FlyRotax.com)

ROTAX Maintenance Manual Line 915iS Engines, Latest Version (ref. www.FlyRotax.com)

ROTAX Maintenance Manual Heavy 915iS Engines, Latest Version (ref. www.FlyRotax.com)

1.5. PUBLICATIONS AFFECTED:

ROTAX Installation Manual for 915iS Engines, Latest Version (ref. www.FlyRotax.com)



Gasket

Bolts with washer(s) behind

Cover plate

Locking wire (may be in place)

FIG A

2. MATERIAL INFORMATION:

2.1. PARTS AND CONSUMABLES LIST:

N/A

2.2. TOOLS REQUIRED:

No special tooling required

Loctite 243 as required

2.3. MATERIAL RESPONSIBILITY:

N/A.

2.4. COMPANY SUPPORT INFORMATION:

Make use of the following contact details for any related queries:

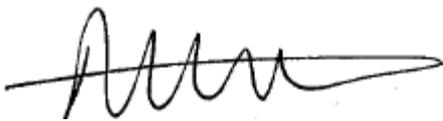
airworthiness@slingaircraft.com or technical@slingaircraft.com.

3. INSTRUCTIONS:

Inspect the installation of the cover plate and action as follows –

- If the cover plate is fitted with bolts which are drilled for wire-locking and lock wire has been fitted (as in Fig 1), the installation can be considered satisfactory;
- If the cover plate has been fitted with a flat AND a split washer, the bolts should be checked for the correct torque, namely 24Nm (18 ft.lb) and torque seal applied. When correctly torqued the installation can be considered satisfactory;
- If the cover plate has been fitted with only flat washers (unlikely), then the bolts should be removed, cleaned, reinstalled using Loctite 243 to ensure that they do not vibrate loose, torqued to 24Nm (18 ft.lb) and torque seal applied. Once correctly torqued the installation can be considered satisfactory;
- If there is any leakage of oil from around the cover plate the cover plate should be removed, cleaned, fitted with a new gasket if the existing gasket is damaged, and reinstalled with wire-locking, split washers or Loctite 243 to prevent loosening, as the case may be. Once re-installed in accordance with these instructions the installation can be considered satisfactory.

Signed on this the 13th day of December 2024.



ACCOUNTABLE MANAGER
MR JAMES PITMAN