

TEMPORARY REVISION

AMM-TR-MÄM-40-385

Alternate Air Intake

This Temporary Revision AMM-TR-MÄM-40-385 is approved in conjunction with the Mandatory Design Change Advisory MÄM 40-385 and is valid in conjunction with the Airplane Maintenance Manual (AMM) until this Temporary Revision has been incorporated into the AMM.

The limitations and information contained herein either supplement or, in the case of conflict, override those in the AMM.

The technical information contained in this document has been approved under the authority of DOA No. EASA.21J.052.

Doc. No.	Section	Affected Pages
6.02.01	71-60-00	1a, 2a, 101a, 101aa, 203a, 204a

Instruction

- Print this document double-sided on yellow paper (odd pages and "a" pages on front sides, even pages and "aa" pages on reverse sides).
- Insert this cover page as the first page of the AMM.
- Insert the other pages of this Temporary Revision in front of the corresponding AMM pages.

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CHAPTER 71
POWER PLANT
Section 71-60
Air Intakes - Lycoming Engine

2. Description

A. Alternate Air Valve Assembly

The paragraph is amended to read:

The alternate air valve assembly has a valve body which has six air inlet holes around its circumference. A Bowden cable attaches to the valve body and rotates the valve body inside the valve flange. O-ring seals locates at each end of the valve body to make a seal between the valve body and the valve flanges. A sealing compound between the fuel injector flange and the alternate air valve flange provides tight sealing and prevents the suction sleeve from vibration during engine operation.

The valve flange has six air inlet holes drilled around its circumference. A suction sleeve locates inside the valve flange and passes through the center of the alternate air valve assembly.

Figure 1 is amended to read:

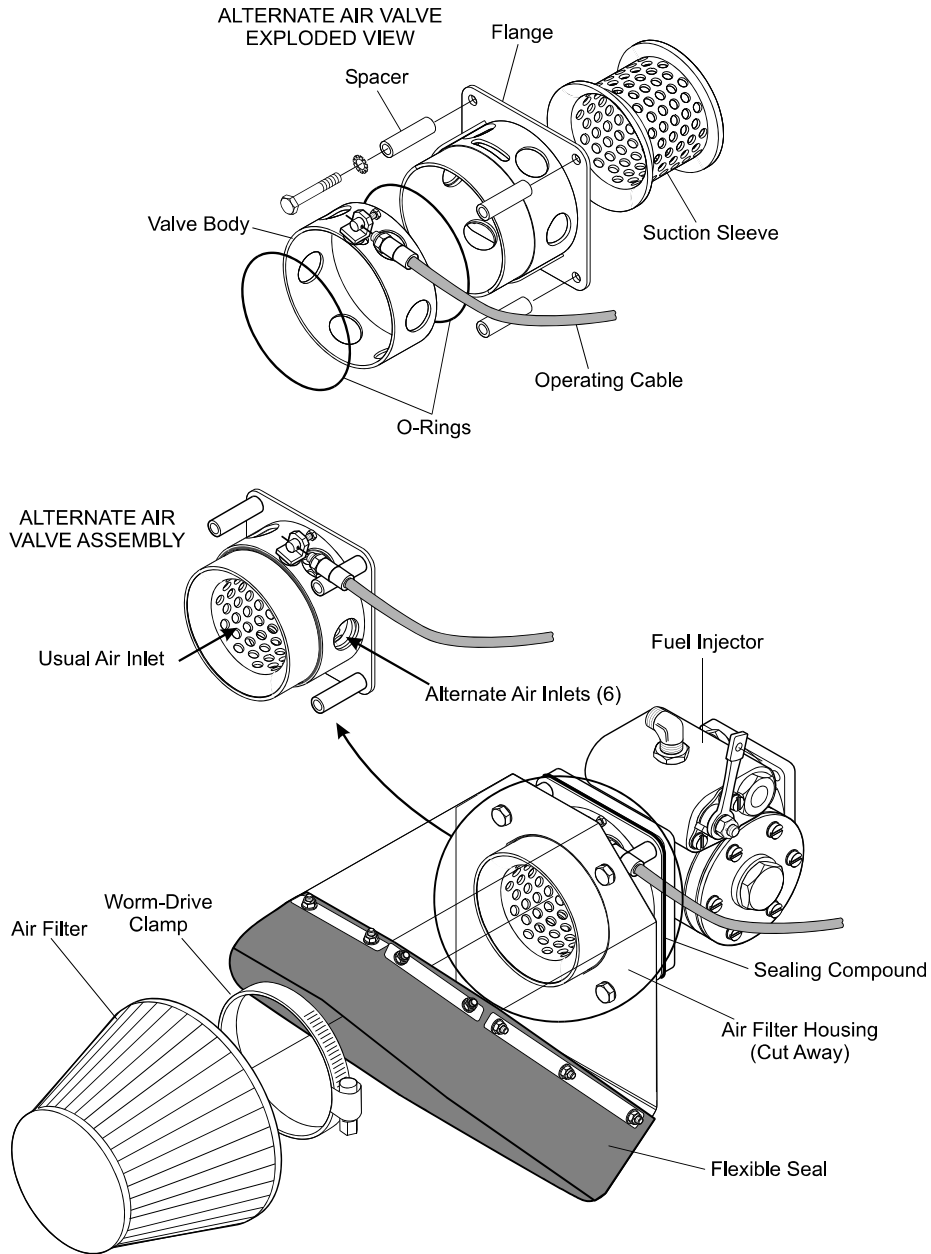


Figure 1: Engine Air Filter and Alternate Air Intake

Trouble-Shooting

The following is added to the existing table:

Trouble	Possible Cause	Repair
Fuel injector air intake throat is contaminated with fine aluminium particles.	Alternate air valve suction sleeve vibrates during engine operation, producing fine aluminium particles.	Replace the gasket or sealing compound between alternate air valve and the fuel injector with sealing compound.

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Maintenance Practices

3. Remove/Install the Alternate Air Valve

A. Remove the Alternate Air Valve

The following is added:

	Detail Steps/Work Items	Key Items/References
(9)	<p>Inspect the fuel injector inlet. If the fuel injector intake throat is contaminated with fine aluminium particles, replace the old gasket or sealing compound between the alternate air valve and the fuel injector:</p> <ul style="list-style-type: none">- Remove the old gasket or sealing compound.- Clean the alternate air valve.- Clean the fuel injector flange.- Clean the fuel injector air intake throat.	

B. Install the Alternate Air Valve

The following is inserted:

	Detail Steps/Work Items	Key Items/References
(0A)	Assemble the alternate air valve : <ul style="list-style-type: none">- Insert the suction sleeve into the alternative air valve housing.- Apply sealing compound onto the alternate air valve flange. The seal must be applied to both the suction sleeve flange and the alternate air valve flange. Make sure the inner 5 mm of the suction sleeve flange is free of the sealing compound.	Use Würth 'saBesto DP 300'.