


EASA	AIRWORTHINESS DIRECTIVE	
	<p>AD No : 2008-0038</p> <p>Date: 27 February 2008</p>	
No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.		
Type Approval Holder's Name :	Type/Model designation(s) :	
Moravan Aviation s.r.o.	Z 143 L	
TCDS Number: EASA A.028		
Foreign AD: Not applicable		
Supersedure: None		
ATA 75		
Carburettor Heating System - Vortex Inserts in the Heat Exchanger - Inspection / Replacement		
Manufacturer(s):	Moravan Aviation s.r.o (formerly Moravan n.p, Moravan a.s, MORAVAN - AEROPLANES a.s)	
Applicability:	Z 143L aircraft variant, all serial numbers, certificated in any category.	
Reason:	<p>Vortex inserts are used inside the heat exchanger of the carburettor heating system. Up to serial number (s/n) 0044 inclusive those inserts have been produced from aluminium alloy which has been found to be susceptible of cracks. As a consequence, if left uncorrected some loose parts could migrate in the induction system, reduce the air flow through the carburettor's venturi and lead to a loss of engine power.</p> <p>From s/n 0045 onwards vortex inserts have been produced from stainless steel.</p> <p>To address this unsafe condition, this Airworthiness Directive (AD) mandates initial inspections of the heat exchanger vortex inserts and replacement of the aluminium inserts by stainless steel ones if any damage is found; and recurrent inspections to be done as incorporated in the Revision of Airplane Maintenance Manual.</p>	
Effective Date:	12 March 2008	
Compliance:	Required as indicated, unless previously accomplished.	

	<p><u>For airplanes with serial numbers up to 0044 inclusive.</u></p> <p>1. Before further flight after the effective date of this AD, inspect the vortex inserts inside the carburettor heating system heat exchanger in accordance with instructions given in paragraph 8 of Moravan Aviation Service Bulletin Z143L/31a.</p> <p>If any damage is found (cracks, loosen or missing rivets) prior to next flight replace all inserts with new ones made from stainless steel in accordance with instructions given in paragraph 8 of Moravan Aviation Service Bulletin Z143L/31a.</p> <p><u>For airplanes from serial number 0045 onward.</u></p> <p>2. At the next shop visit or within 110 Flight Hours after the effective date of this AD, whichever occurs first, inspect the vortex inserts inside the carburettor heating system heat exchanger in accordance with instructions introduced by Revision No.9 of the relevant Airplane Maintenance Manual referenced below.</p> <p><u>For all serial numbers.</u></p> <p>3. Within 60 days after the effective date of this AD, update the approved operator's maintenance program to incorporate Revision No.9 of the relevant Airplane Maintenance Manual referenced below.</p>
<p>Ref. Publications:</p>	<p>Moravan Aviation Mandatory Service Bulletin Z143L/31a original issue.</p> <p>The use of later approved revisions of this document is acceptable to comply with the requirements of this AD.</p> <p>Revision No. 9 to Airplane Maintenance Manual, Doc. No. 005.021.1 (Czech Version)</p> <p>Revision No. 9 to Airplane Maintenance Manual, Doc. No. 005.022.1 (English Version)</p>
<p>Remarks :</p>	<p>1. If requested and appropriately substantiated, EASA can accept Alternative Methods of Compliance for this AD.</p> <p>2. Required actions and the risk assessment have warranted the immediate adoption of this Final AD with request for comments.</p> <p>3. Enquiries regarding this Airworthiness Directive should be referred to the AD Focal Point - Certification Directorate, EASA. E-mail: ADs@easa.europa.eu .</p> <p>4. For any question concerning the technical content of the requirements in this AD, please contact:</p> <p style="text-align: center;">MORAVAN AVIATION s.r.o. Letiště 1578, 765 81 Otrokovice, Czech Republic; telephone +420 57 608 3940; Fax +420 57 608 3009; E-mail: zlinaircraft.cz</p>