

中国民用航空局



CIVIL AVIATION
ADMINISTRATION OF CHINA

CAAC

适航指令

AIRWORTHINESS DIRECTIVE

This directive is issued under “Airworthiness Directives of Civil Aircraft” (CCAR-39) of China Civil Aviation Regulations, its contents involve with flight safety and it is mandatory action. Related aircraft will no longer be airworthy, if it is not completed in accordance with this AD.

CAD No. : CAD2015-MULT-06

Amendment No. : 39-8298

1. Title: Deicing System-Horizontal Stabilizer Leading Edge Deicing Duct Fasteners–Improvement

2. Applicability:

MA60 and MA600 aircrafts, all manufacturer serial numbers, manufactured by Xi'an Aircraft Industry (Group) Company Ltd (XAC).

3.Reference:

XAC SB MA60-30-SB456 Revision 1 (March 26, 2015 issued);

XAC SB MA600-30-SB122 Revision 1 (March 26, 2015 issued);

And later approved revisions of above document are acceptable for compliance with the requirements of this CAAC Airworthiness Directive (CAD).

4. Reason, action and prescription

Reason:

The deicing duct mounting clamps used to fasten the ducts of the front edge of the horizontal stabilizer of a MA60 aircraft during its 6400 Flight Hours maintenance works. The analysis presents that the libration caused this failure because of the tube Y7III-7450-0-3 with inadequate fastening point.

If the problem is not resolved, the tube may wear off, or broken, this would affect Deicing capability of the front edge of the horizontal stabilizer because of no adequate air pressure inside the tube.

XAC issued the Service Bulletin MA60-30-SB456 R1 and MA600-30-SB122 R1, requires that the MA60 and MA600 aircraft shall be modified to increase the pipeline fixed points.

For these reasons above, this AD was issued to require that the Deicing duct fixed clamps of the front edge of the horizontal stabilizer; all MA60 and MA600 aircraft shall be compliance with the modification required by the XAC Service Bulletin MA60-30-SB456 R1 and MA600-30-SB122 R1.

Action and Prescription:

Required as indicated, unless already accomplished.

(1) For MA60 aircraft, within 180 calendar days from the effective date of this AD, to remove Deicing duct fasteners, pipe and hoses of the front edge of the horizontal stabilizer of the aircraft, and check for wear and broken, or replace any article as necessary if wear or broken was found in accordance with the instructions of Section 2, the implementation Orders, item A, B, C of Service Bulletin XAC MA60-30-SB456 R1; to install fasteners in accordance with the instructions of the Section 2, the implementation Orders, item D, E of Service Bulletin XAC MA60-30-SB456 R1; and Perform test for the deicing system of the front edge of the horizontal stabilizer of the aircraft in order to confirm deicing system is working properly in accordance with the instructions of the Section 2, implementation Orders, item F of Service Bulletin XAC MA60-30-SB456 R1.

(2) For MA600 aircraft, within 180 calendar days from the effective date of this

AD, to remove Deicing duct fasteners, pipe and hoses of the front edge of the horizontal stabilizer of the aircraft, and check for wear and broken, or replace any article as necessary if wear or broken was found in accordance with the instructions of Section 2, the implementation Orders, item A, B, C of Service Bulletin XAC MA600-30-SB122 R1; to install fasteners in accordance with the instructions of the Section 2, the implementation Orders, item D, E of Service Bulletin XAC MA600-30-SB122 R1; and Perform test for the deicing system of the front edge of the horizontal stabilizer of the aircraft in order to confirm deicing system is working properly in accordance with the instructions of the Section 2, implementation Orders, item F of Service Bulletin XAC MA600-30-SB122 R1.

If requested and appropriately substantiated, the Local Authority can accept alternative methods of compliance for this CAD or adjust the time of completed. All of above must be approved by the Local Authority.

This CAD is published in both Chinese and English. In case any discrepancy exists between the Chinese and English context, the Chinese version shall prevail.

5. Effective date: 2015-04-10

6. Issued date: 2015-04-03

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