

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-38R1

Amendment No. : 39-8514

1. Title: Electrical system- airtight connector-Inspection / Replacement

2. Applicability:

MA60 and MA600 aircrafts, all manufacturer serial numbers, manufactured by Xi'an Aircraft Industry (Group) Company Ltd (XAC) and equipped with 2006 and 2007 batches of model XKE36YJ51C, XKE36YJ51C1 or XKE36YJ51C2 airtightconnectors .

3.Reference:

XAC Alert Service Bulletin MA60-20-ASB483 at revision 1(R1), dated August 21,2015;

XAC Alert Service Bulletin MA600-20-ASB134 at revision 1(R1), dated August 21,2015;

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

This CAD supersedes CAD2015-MULT-38

39-8438

Reason:

Some operators of MA60 aircrafts reported pins in model XKE series airtight connectors were found broken.

This condition, if not detected and corrected, could lead to failures of systems connected with these airtight connectors, and further affects the safety operation of aircraft.

To address the unsafe condition, XAC has issued SB MA60-20-ASB483 and MA600-20-ASB134 (both at original issue and dated 24 July, 2015) to require an inspection of MA60 and MA600 aircrafts to determine the model and production batch of airtight connectors, and replace those model XKE36YJ51C, XKE36YJ51C1 or XKE36YJ51C2 airtight connectors of 2006 batches.

For the reasons described above, CAAC issued CAD2015-MULT-38 to require the replacement all model XKE36YJ51C, XKE36YJ51C1 or XKE36YJ51C2 airtight connectors of 2006 batches for MA60 and MA600 aircrafts.

Thereafter, XAC identified model XKE36YJ51C, XKE36YJ51C1 or XKE36YJ51C2 airtight connectors of 2007 batches have the same issues, and therefore issued ASB MA60-20-ASB483R1 and MA600-20-ASB134R1, requiring the replacement all model XKE36YJ51C, XKE36YJ51C1 or XKE36YJ51C2 of 2007 batches airtight connectors.

Therefore, this CAD retaining the requirements of CAD2015-MULT-38 at original issue and requires to replace all model XKE36YJ51C, XKE36YJ51C1 or XKE36YJ51C2 of 2007 batches for MA60 and MA600 aircrafts.

Action and Prescription:

Required as indicated, unless already accomplished.

2.1 Retaining the requirements of CAD2015-MULT-38:

For MA60 aircrafts, within 30 days after July 30, 2015 (the effective date of CAD2015-MULT-38), prepare for inspection according to paragraph A of Implementation Instructions of SB MA60-52-ASB483 at original issue; Open the

ceiling panel, unplug the connectors and determine whether they are model XKE36YJ51C, XKE36YJ51C1 or XKE36YJ51C2 airtight connectors of 2006

batches according to paragraph B of Implementation Instructions of SB MA60-52-ASB483 at original issue; If they are, replace them with airtight connectors other than 2006 batches. Implement an electrical check in accordance with paragraph D of Implementation Instructions of SB MA60-52-ASB134 at original issue after replace the connectors.

For MA600 aircrafts, within 30 days after July 30, 2015 (the effective date of CAD2015-MULT-38), prepare for inspection according to paragraph A of Implementation Instructions of SB MA60-52-ASB134 at original issue; Open the

ceiling panel, unplug the connectors and determine whether they are model XKE36YJ51C, XKE36YJ51C1 or XKE36YJ51C2 airtight connectors of 2006 batches according to paragraph B of Implementation Instructions of SB MA60-52-ASB134 at original issue; If they are, replace them with airtight connectors other than 2006 batches. Implement an electrical check in accordance with paragraph D of Implementation Instructions of SB MA60-52-ASB134 at original issue after replace the connectors.

Note: The replaced connectors must be return to XAC.

2.2 New requirements of this CAD:

For MA60 aircrafts, within 30 days after the effective date of this CAD, prepare for inspection according to paragraph A of Implementation Instructions of SB MA60-52-ASB483R1; Open the ceiling panel, unplug the connectors and determine whether they are model XKE36YJ51C, XKE36YJ51C1 or XKE36YJ51C2 airtight connectors of 2007 batches according to paragraph B of Implementation Instructions of SB MA60-52-ASB483R1; If they are, replace them with airtight connectors other than 2006 or 2007 batches. Implement an electrical check in accordance with paragraph D of Implementation Instructions of SB MA60-52-ASB134R1 after replace the connectors.

For MA600 aircrafts, within 30 days after the effective date of this CAD, prepare for inspection according to paragraph A of Implementation Instructions

of SB MA60-52-ASB134R1; Open the ceiling panel, unplug the connectors and determine whether they are model XKE36YJ51C, XKE36YJ51C1 or XKE36YJ51C2 airtight connectors of 2007 batches according to paragraph B of Implementation Instructions of SB MA60-52-ASB134R1; If they are, replace them with airtight connectors other than 2006 or 2007 batches. Implement an electrical check in accordance with paragraph D of Implementation Instructions of SB MA60-52-ASB134R1 after replace the connectors.

Note: The replaced connectors must be return to XAC.

Inspections and corrective actions, accomplished before the effective date of this AD in accordance with CAD2015-MULT-38, are acceptable for compliance with the requirements of paragraph 2.1 of this CAD

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: 2015-10-13

6. Issued date: 2015-10-10

7. Contact Person:yangzizhou

Northwest Regional Administration of CAAC
029-88791076
yangzz@nwcaac.gov.cn