

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-MA60-01

Amendment No. : 39-8439

**1.Title: Nose Landing Gear - The Strut Limit Switch and
Connected wire- Replacement**

2. Applicability:

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

3.Reference:

XAC Service Bulletin MA60-32-SB425, at revision 2(R2) dated August 14, 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

Reason:

Some operators of MA60 aircrafts reported the nose landing gear strut limit switch wire was found broken. Analysis by XAC indicated that it was caused by friction between switch wire and its protection hose during nose landing gear retraction/extension.

This condition, if not detected and corrected, could lead to the nose landing gear strut limit switch wire fracture, cause the losing of weight-on-wheel signal

on nose wheel, further lead to the nose wheel steering failure after landing, which could affect the safety operation of aircraft.

To address the unsafe condition, XAC has issued MA60-32-SB425 R2, to require a modification which including lengthen the nose landing gear strut limit switch wire protection hose and install a clamp to fix the hose, in order to avoid the friction between hose and wire during nose landing gear retraction/extension.

For the reasons described above, this CAD is issued to require a modification of nose landing gear strut limit switch wire for MA60 aircrafts.

Action and Prescription:

Required as indicated, unless already accomplished.

Within 6 months after the effective date of this CAD, remove the nose landing gear strut limit switch and wires (Part Number: Y7III-7211-102) in accordance with the paragraph A of Implementation Instructions of MA60-32-SB425 R2; Install a new nose landing gear strut limit switch and wire (Part number: Y7III-7211-102A-1), and install a clamp (Part number: 4A3-85-22B) in accordance with the paragraph B of Implementation Instructions of MA60-32-SB425 R2; Implement adjustments and function tests of nose landing gear strut limit switch in accordance with the the paragraph C of Implementation Instructions of MA60-32-SB425 R2, confirm that the system function properly.

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

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