

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. : CAD2014-Y012-01

Amendment No. : 39-8116

**1. Title: Electrical Power - Ground Power Distribution Circuit -
Modification**

2. Applicability:

Y12IV aircrafts manufactured by HAFEI Aviation Industry Co. Ltd (HAIC), with manufacturer serial number (MSN) 002, 003, 008-010, 012, 013, 015, 023, 026-029, 032, 033, 035-043, 045, 047-050, 052, 053, 055-057 inclusive.

3.Reference:

HAIC Y12IV Service Bulletin (SB) No. Y12-24-2014-002, original issue, dated 17 July, 2014.

The use of later approved revisions of above documents is acceptable for compliance with the requirements of this CAAC Airworthiness Directive (CAD).

4. Reason, action and prescription

It has been detected that on some Y12IV aircrafts manufactured by HAIC, when connected to Ground Power Unit (GPU), the ground power distribution circuit on the aircrafts cannot provide the requisite reverse polarity protection.

This condition, if not detected and corrected, would, in case of GPU reverse polarity connection, may eventually lead to the damage of the electrical power

of the aircraft.

To address this potential unsafe condition, HAIC issued SB No. Y12-24-2014-002 to provide instructions of modification for the affected aircrafts.

For the reasons described above, this CAD requires modification of the affected ground power distribution circuit.

Required as indicated, unless accomplished previously:

Within 12 months after the effective date of this CAD, modify the affected ground power distribution circuit and complete the inspection after the modification in accordance with the instructions of HAIC SB No. Y12-24-2014-002.

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: 2014-08-01

6. Issued date: 2014-07-25

7. Contact Person:zhangrenhao

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