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SERVICE INFORMATION LETTER

**PRIMUS Apex Modular Avionics Unit (MAU) Electrical Equipment Chassis (MAU-12L), PN 7029782-1912;
Inspection of MAU-12L Fan Baffle Flappers**

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Transmittal Information

Publication Number D201310000040

Summary

This revision is a FULL replacement. This revision includes the changes that follow:

- Changed the word replace with reinstall in several locations.
- Added contact information.

Revision History

This service information letter has had one revision(s) as shown in Table 1.

Table 1. Revision History

Revision Number	Revision Date
0	1 Nov 2013
1	5 Dec 2013

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1. General Information

A. Effectivity

- (1) This service information letter is applicable to the MAU-12L, PN 7029782-1912, all serial numbers.

B. Reason

(1) Purpose

- (a) Inspect and make sure the baffle flappers inside the MAU-12L are free to open and that flapper movement to allow fan airflow is not hindered.

(2) Problem

- (a) Sometimes the baffle flapper in the MAU-12L will become mispositioned during handling. If the baffle flapper is mispositioned, it can restrict a portion of the airflow within the cabinet, reducing the heat transfer, and causing the modules to run hotter than necessary.

(3) Solution

- (a) Access the rear fan door of the MAU-12L, inspect the position of the fan baffle flappers, and make sure that both the flappers are free to open.
- (b) Close the fan door and latch, reinstall the MAU-12L cabinet, and perform the return-to-service (RTS) tests per the applicable aircraft maintenance manual (AMM).

C. References

- (1) The document(s) identified below is/are related to this service information letter. Unless specified differently, you can use subsequent revisions.
 - AMM, Pilatus Document Number 02300, PC12/47E Aircraft Maintenance Manual
 - AMM, Viking Document Number PSM 1-64-2, DHC-6-400 (Twin Otter) Maintenance Manual
 - CMM, ATA Number 31-40-10 (Publication Number A09-6710-012), Revision 6, Electrical Equipment Chassis.

D. Summary

- (1) Figure 1 shows the location of the parts identified below:
 - Fan door
 - Flappers
 - Frame vent openings
 - Latch.

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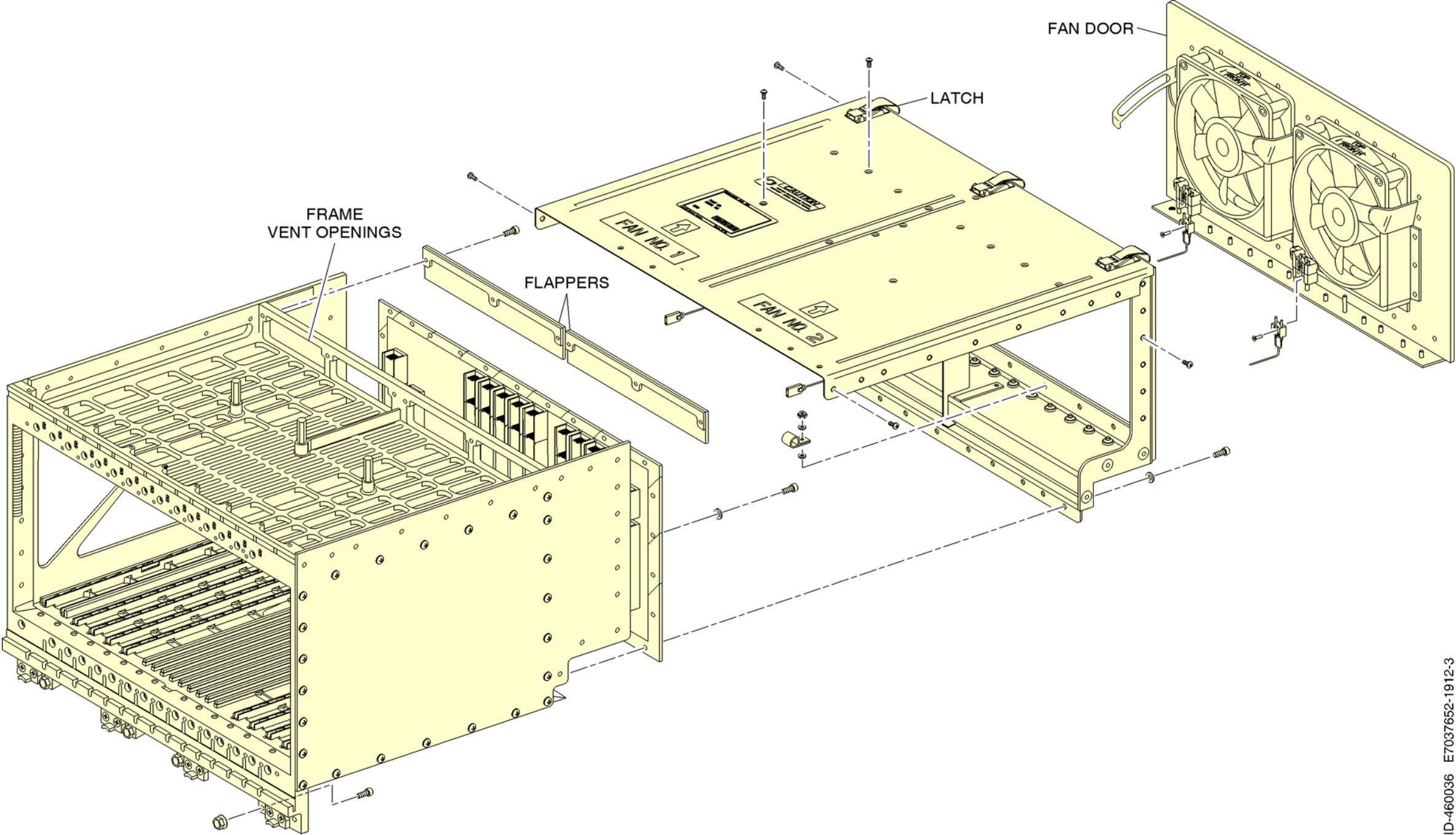


Figure 1. (Sheet 1 of 1) MAU-12L Electrical Equipment Chassis

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NOTE: Disassembly is not necessary to inspect the position of the baffle flappers.

- (2) Figure 2 shows a view from the aft-end of the MAU-12L with the baffle flappers positioned correctly and free to open.

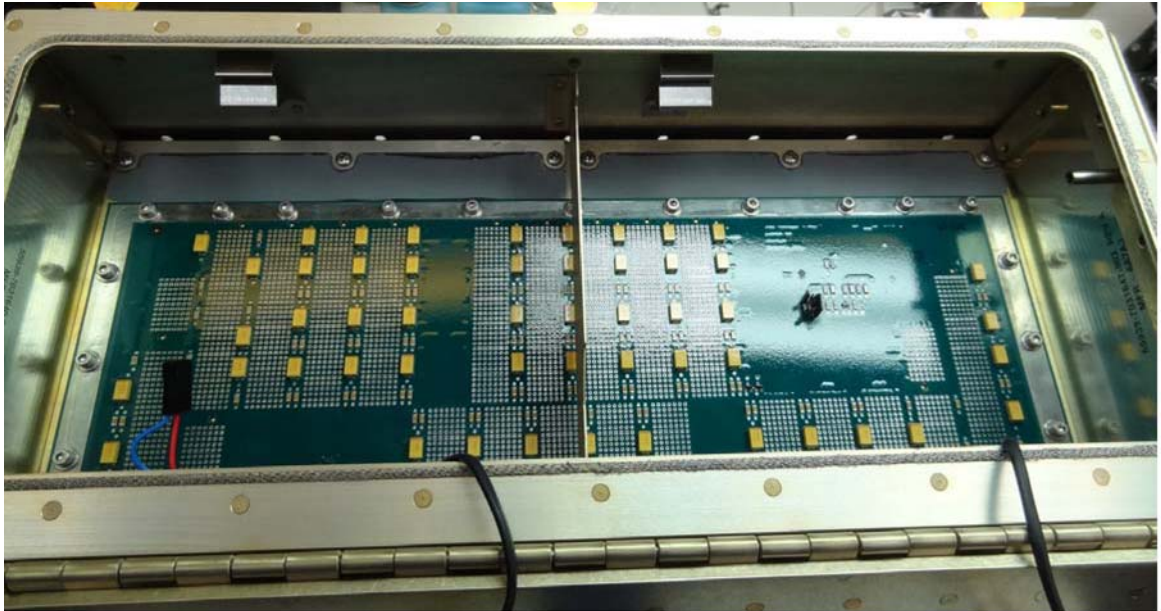


Figure 2. (Sheet 1 of 1) Baffle Flappers Positioned Correctly

- (3) Figure 3 shows two views of the baffle flappers positioned incorrectly and lodged in the frame vent openings.

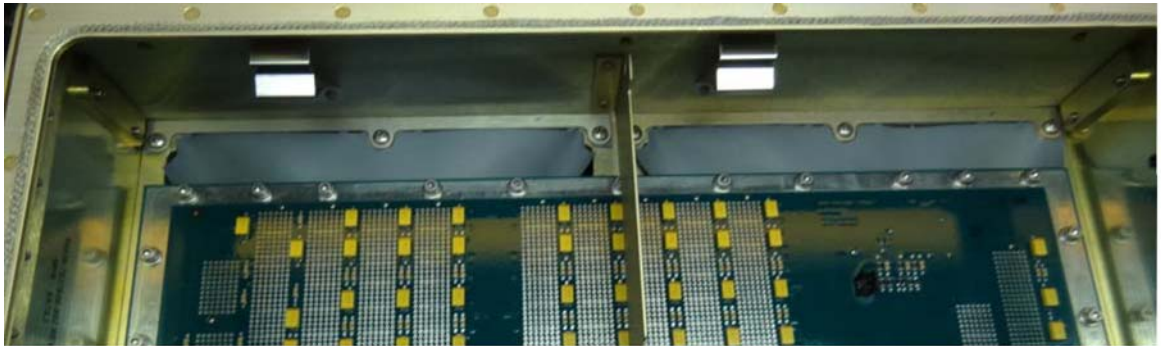


Figure 3. (Sheet 1 of 2) Baffle Flappers Positioned Incorrectly

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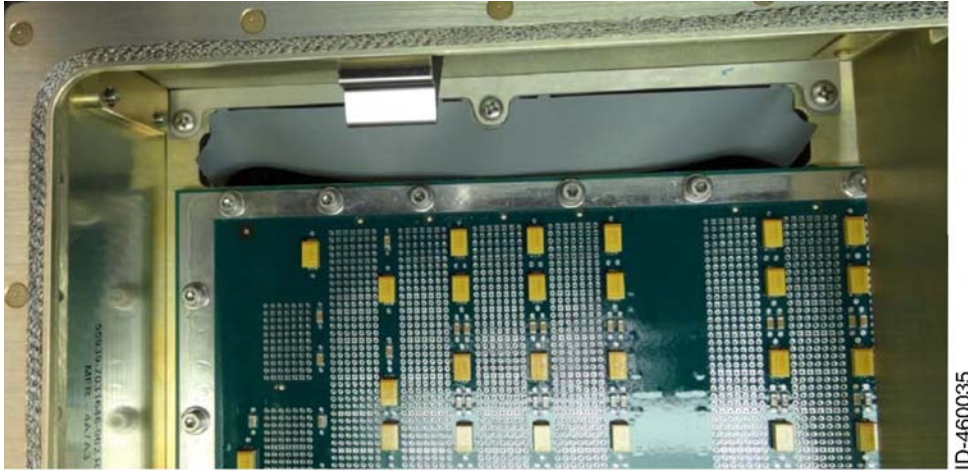


Figure 3. (Sheet 2 of 2) Baffle Flappers Positioned Incorrectly

(4)

E. Action

CAUTION: THE MAU-12L ELECTRICAL EQUIPMENT CHASSIS CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE ITEMS. USE INDUSTRY APPROVED PRECAUTIONS.

CAUTION: THE MAU-12L ELECTRICAL EQUIPMENT CHASSIS INTERFACES WITH MANY OF THE AIRCRAFT SYSTEMS. IF IT IS NECESSARY TO MOVE THE MAU-12L ELECTRICAL EQUIPMENT CHASSIS TO GET ACCESS TO THE FANS, REMOVE ALL ELECTRICAL POWER FROM THE AIRCRAFT BEFORE YOU MOVE OR INSTALL THE MAU-12L ELECTRICAL EQUIPMENT CHASSIS.

(1) Access the fans at the back of the MAU-12L in accordance with (IAW) the applicable AMM.

(a) Refer to the AMM, Pilatus Document Number 02300.

(b) Refer to the AMM, Viking Document Number PSM 1-64-2.

(2) Unlatch and open the fan access door located at the rear of the MAU-12L.

(3) Swing open the MAU-12L fan-hinged door, and inspect the position of the baffle flapper vanes.

CAUTION: TO AVOID EQUIPMENT DAMAGE DUE TO RESTRICTED AIRFLOW, THE FLAPPERS MUST BE FREE TO OPEN.

(4) Inspect and make sure the baffle flappers are free to open and that movement to allow airflow from the fan is not hindered.

(a) The airflow direction is from the bottom inlet of the MAU-12L and the exhaust is out the back.

(5) Close the fan access door of the MAU-12L.

(6) Reinstall the MAU-12L IAW the applicable AMM.

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- (7) For more information regarding this Service Bulletin, contact the applicable Honeywell field service engineer or the location identified below.

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