

Advisory Wire

REFERENCE NO: AW700-24-0742

INFORMATION
TYPE:

Maintenance
Operational

ATA: 24-32

EFFECTIVITY: Global 7500 (70006 – 70999)

SUBJECT: APU Battery Depletion

1. REFERENCES:

- 1.1. Aircraft Maintenance Publication (AMP) - Auxiliary-power-unit Battery – Disconnect procedure - BD700-A-J24-32-03-00AAA-510A-A
- 1.2. Ground Handling and Service Information Publication (GHSIP) – Auxiliary-power-unit Battery – Disconnect procedure - BD700-A-J24-32-03-00AAA-510A-A

2. INTRODUCTION:

This Advisory Wire (AW) is to inform Operators that the APU FADEC can deplete the APU Battery when the aircraft power is selected OFF.

3. DESCRIPTION:

Occasionally, when the aircraft power is set to OFF, the APU FADEC provides a ground signal that energizes the K18 relay in the APU Battery Electrical Power Center (APU BATT EPC). When energized, the K18 relay connects the APU FADEC Secondary power and the APU door loads (see table below) to the APU BATT BUS. This condition causes the APU battery to discharge. This bus remains energized when the APU battery is connected regardless of the BATT LOAD switch position.

Name	CB Number/Location
APU FADEC SEC	AB-EPC-B09
APU DOOR	AB-EPC-B05

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4. ACTION:

In order to prevent the discharge of the APU battery when the aircraft powered is OFF, Bombardier recommends Operators to disconnect the APU battery when the aircraft is parked using the ref. 1.1 or 1.2 procedures. Operator may also elect to disconnect the APU battery and reconnect the battery to clear the condition and disengage the K18 relay. The condition will be back when the power is re-applied on the aircraft.

Bombardier and the vendor are currently working on an APU FADEC software change in order to address this condition. Update on the development and the in-service availability of the software load will be communicated via revisions of this Advisory Wire.

Should you have any queries pertaining to this AW or requiring additional information please contact your Bombardier Field Service Representative (FSR) or the Customer Response Center (CRC).