

# Advisory Wire

REFERENCE NO:	AW300-24-0326	INFORMATION TYPE:	Maintenance Operational
ATA:	24-31	EFFECTIVITY:	Challenger 300 (20003 – 20500) Challenger 350 (20501 – 20999)
<b>SUBJECT:</b>	<b>Generator Control Unit PN R3608-005</b>		

## 1. REFERENCES:

- 1.1. Zodiac Service Bulletin 975GC02Y-24-016, GCU BOARD MODIFICATION ON THE LEFT DC POWER CENTER
- 1.2. Zodiac Service Bulletin 970GC02Y-24-017, GCU BOARD MODIFICATION ON THE RIGHT DC POWER CENTER
- 1.3. Zodiac Service Bulletin 320GC03Y-24-013, GCU BOARD MODIFICATION ON THE AUXILIARY DC POWER CENTER
- 1.4. AIPC 24-31-13, LH/RH Generator Control Unit (GCU) (Fig.1 & 2, Items -5F) and AIPC 24-31-17, APU Generator Control Unit (GCU) (Fig.1, Item -5A)

## 2. INTRODUCTION:

This Advisory Wire is to inform Operators about the release of a new Generator Control Unit (GCU) card (P/N R3608-005).

## 3. DESCRIPTION:

Several cases of GCU card failures occurring during aircraft power up, engine or APU start/stop sequences and aircraft weight on/off wheels transitions have been reported to Bombardier. An investigation of several GCU cards revealed that the failures were caused by a malfunction of integrated circuits (operational amplifiers) used on the GCU card. A new GCU card P/N R3608-005 (ref 1.4) equipped with upgraded operational amplifiers has been released to resolve these failure modes.

## 4. ACTION:

Operators should be aware of the release of GCU card P/N R3608-005 to replace GCU card P/N R3608-004 (no longer procurable). The initial installation of a ref 1.4 GCU card is to be performed in accordance with the ref 1.1, ref 1.2 and ref 1.3 Zodiac Service Bulletins (SB) depending on the GCU card to be replaced.

As per Zodiac SB instructions, the reworked Direct Current Power Center (DCPC) shall be re-identified as a Y07 unit after the installation of the ref 1.4 GCU card. Placard P/N NP0000590ABY00 must be ordered to properly re-identify the DCPC. It is permissible to intermix Y06 and Y07 DCPC units on the same aircraft.