

# ADVISORY WIRE

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<b>REFERENCE NO:</b>	AW300-34-0226 Rev.1	<b>INFORMATION TYPE:</b>	Maintenance Operational
<b>ATA:</b>	34-61	<b>EFFECTIVITY:</b>	Challenger 300 (20408 – 20500 or A/C post SB 100-34-36 Challenger 350 (20501 – 20999)
<b>SUBJECT:</b>	FMC-6200 Lock up on Ground		

## 1. REFERENCES:

- 1.1. Service Bulletin 100-34-41 - Replacement of the Flight Management Computers (FMC) and the Adaptive Flight Display (AFD) Units
- 1.2. Service Bulletin 350-34-012 - Replacement of the Flight Management Computers (FMC) and the Adaptive Flight Display (AFD) Units (Effectivity:20501-20663)

## 2. INTRODUCTION:

The revision to this Advisory Wire (AW) is to inform Operators of the availability of a new FMC-6200 that resolves the condition described below.

## 3. DESCRIPTION:

During investigation of this issue with Rockwell Collins, it was found that this lock up condition could occur to the FMC if the power is removed during initialization mode within 40 seconds of power up.

This failure will result in FMC no longer responding and the FMC red LED light will be set and remain "ON". The "OFF/NO OUTPUT" fault message is also posted on MDC current and history fault with B3 code B3-006760 for FMC 1 and B3-006771 for FMC 2.

When the FMC is found locked up because of this condition, it will need to be removed and send back to Rockwell Collins in order to have fault cleared and unit reset.

The FMC-6200 P/N: 822-2488-130 that introduce fixes to this issue, is available through incorporation of the Ref. 1.1 SB for Challenger 300 and the Ref. 1.2 SB for Challenger 350. The FMC is baseline in production on aircraft 20664 and subsequent.

## 4. ACTION:

Operators should ensure their Flight & Maintenance Crews are aware of this condition and the fix that is available by complying with the ref 1.1 or 1.2 SB. To avoid possible FMC lock up until incorporation of the SB, we recommend that power to the aircraft and FMC/IAPS should not be removed during FMC initialization, particularly not within 40 seconds of power up.