

ADVISORY WIRE

REFERENCE NO:	700T-0123, Rev. 2	INFORMATION TYPE:	Maintenance Operational
ATA:	23-23	EFFECTIVITY:	Global Express 9002 to 9153
SUBJECT:	“ACARS DMU FAIL” Message		Global 5000 9127 to 9411, 9417 to 9431, 9998 Global Express XRS 9159 to 9429

1. REFERENCES:

- 1.1. Teledyne Service Bulletin, SB8400021-23-3 Rev. 2, Jan 21/2008 (available on Bombardier CIC website)
- 1.2. Teledyne Service Bulletin, SB8400021-23-7 Rev. 1, Jan 17/2005 (available on Bombardier CIC website)
- 1.3. Teledyne Service Bulletin, SB8400021-23-11, Jan 29/2008 (available on Bombardier CIC website)
- 1.4. Service Bulletin for introduction of FANS 1/A+ SB700-34-053 Rev. 1, March 12/2013 for Global Express & XRS and SB700-1A11-34-024, December 21/2012 for Global 5000.
- 1.5. Teledyne Service Bulletin, SB8400021-23-14 Rev. 2, Nov 4/2011 (available on Bombardier CIC website)

2. INTRODUCTION:

The revision 2 of this Advisory Wire is to modify the aircraft effectivity list in order to accommodate the Global 5000 aircraft featuring Vision Flight Deck and Global 6000 aircraft as well as accommodate the incorporation of the Teledyne SB8400021-23-14 for the installation of ADLU P/N 8400021-03.

This Advisory Wire revision is to inform Operators that an ADLU (Airborne Data Link Unit) software fix is available to correct the nuisance white “ACARS DMU FAIL” message displayed on the FMS CDU (Flight Management System Control Display Unit) scratch pad and the red “ACARS DMU FAIL” message displayed on ACARS page of all FMS CDUs.

3. DESCRIPTION:

There have been cases reported where, during flight, the “ACARS DMU FAIL” message was randomly displayed without any peculiar FMS or Datalink activity. The ref. 1.1 Teledyne Service Bulletin upgrading the Teledyne unit to a status MOD 3 (improved ARINC transmitters) has, in some cases, reduced or eliminated this occurrence.

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The root cause of the failures that are not corrected by the MOD 3 have been identified and fixed via the ref. 1.2 Service Bulletin (software version J) for ADLU P/N 8400021-01.

The Operators that have STC 8058SC-T (Weather Graphics) implemented in their aircraft are advised that ADLU P/N 8400021-01A includes the MOD 3 via ref 1.1 Service Bulletin and the equivalent software J via ref 1.3 Service Bulletin (software version B).

The Operators that have FANS 1/A+ Service Bulletin, ref 1.4, implemented on their aircraft are advised that ADLU P/N 8400021-03 already includes the correction via ref 1.5 Service Bulletin.

4. ACTION:

Operators that do not have the ref 1.1 Service Bulletin (MOD 3) and ref. 1.2 Service Bulletin (version J) incorporated in their Datalink unit can contact Teledyne at their STARLINE at 1-888-246-7827.

At that time, Operators should request that their units be upgraded with the latest MOD configuration including:

- MOD 3 and software version J for ADLU P/N 8400021-01,
- MOD 3 and software version B for ADLU P/N 8400021-01A.

In the interim, resetting the DATALINK circuit breaker via the EMS CDU (Electrical Management System Control Display Unit) will clear the fault message and normal operation is resumed.

Operators that do have the ref 1.1 Service Bulletin (MOD 3) and ref. 1.2 Service Bulletin (version J) incorporated in their Datalink unit and operators that have STC 8058SC-T (Weather Graphics) implemented in their aircraft should no longer consider the message "ACARS DMU FAIL" as a nuisance and instead should follow the troubleshooting as per FIM TASK 23-23-00-810-810.

For operators with Datalink Unit with P/N 8400021-03 installed via ref 1.4 SB on their aircraft, no action is required, as Weather Graphics functionality is not supported by this unit.