

Advisory Wire

REFERENCE NO:	AW700-24-0839	INFORMATION TYPE:	Maintenance Operational
ATA:	24-23	EFFECTIVITY:	Global 7500
SUBJECT:	24 ELECTRICAL - CONTACTOR TLC 3 FAIL OPEN		

1. REFERENCES:

- 1.1 BD700-A-J24-23-01-00AAA-320B-A - Ram air turbine - Operational check
- 1.2 Global 7500 SmartFix Plus Troubleshooting procedures – 2464027EMERLOG - Contactor TLC3 Failed / Reported by EMERLOG

2. INTRODUCTION:

This Advisory Wire (AW) is to provide information to Operators about a nuisance INFO message 24 ELECTRICAL - CONTACTOR TLC 3 FAIL OPEN which may be posted at touchdown after the Ram Air Turbine (RAT) has been deployed in flight.

3. DESCRIPTION:

Bombardier has been made aware of condition where the INFO message: 24-ELECTRICAL – CONTACTOR TLC 3 FAIL OPEN may be posted upon aircraft landing following of the in-flight operational check of the Ram Air Turbine (RAT) (ref.1.1).

By design, during RAT operation, the Transformer Rectifier Unit (TRU) Line Contactor 3 (TLC 3) is forced to open at speeds lower than 147Kts. As the speed is reduced further during approach and landing, the RAT generator will disconnect and TLC 3 is allowed to close again. However, in some conditions, the timing between RAT Generator going offline and the TLC 3 closure allows a momentary detection of TLC 3 failed-open condition. This fault will not prevent the RAT Generator to go offline, as designed. The INFO message 24 ELECTRICAL - CONTACTOR TLC 3 FAIL OPEN will remain latched until aircraft is powered down.

4. ACTION:

No action required if the INFO message clears after next power up. The INFO message can be considered a nuisance if related to the RAT rotational speeds slowing down at touchdown. The SmartFix Plus troubleshooting procedure (ref.1.2) has been amended to include this condition to minimize troubleshooting time.

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Bombardier is evaluating potential corrective actions for this nuisance condition and will keep operators informed via revision of this AW.

Should you have any questions pertaining to this AW or require additional, please contact your Bombardier Field Service Representative (FSR) or the Customer Response Centre.