



SERVICE BULLETIN

This Service Bulletin complies
with British Civil Airworthiness
Requirements, Sect. A, Chap. A6-2.

Signed *A. Maybauer*

CAA Approval No. DAI 1501/39

SERVICE BULLETIN No. 6647-32-2

LANDING GEAR - EXTENSION AND RETRACTION - CONTROL AND INTERFACE

INTRODUCTION OF IMPROVED OBRM SOFTWARE

MODIFICATION No. M8147

1. Planning Information

A. Effectivity

Airbus Industrie A320, all models.

Landing Gear Control and Interface Unit (LGCIU), On-board Replaceable Memory (OBRM), part number 6647-004-00C-3C, all serial numbers.

B. Reason

(1) Failure on Bus Changeover

When the aircraft is powered up on batteries only LGCIU 1 is powered and takes control.

On changeover to ground power LGCIU 1 fails on receiving a power interrupt and LGCIU 2 takes control.

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- (2) Outstanding deficiency of '3C' software.

During '3C' software testing, fault 148 was not sending a fault message to CFDS.

Fault 148 is the watchdog timer overrun error. It was noticed that this fault was detected and logged but no fault message was sent to CFDS.

C. Description

This Service Bulletin defines the procedure necessary to change the software.

- (1) The software change consists of changing the OBRM or re-programming the OBRM on site.
- (2) It is recommended that the software change is performed at the Operator's base by the manufacturer's service engineer.

D. Compliance

Compliance with this Service Bulletin is recommended. It must be emphasised that non-compliance in no way affects safety, economy or frequency of aircraft operation.

E. Approval

The technical content of this Service Bulletin is approved under the authority of CAA Approval No. DAI 1501/39.

F. Manpower

- (1) The time to accomplish this Service Bulletin is approximately 2.0 manhours elapsed time.
- (2) Dowty Defence and Air Systems Ltd. will furnish manpower to complete the software change.



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G. Material Cost and Availability

All material costs will be borne by Dowty Defence and Air Systems Ltd.

H. Tooling - Price and Availability

Not applicable.

J. Weight and Balance

Weight and Balance are not affected.

K. Electrical Load Data

Not applicable.

L. References

Dowty Defence and Air Systems Ltd. software control document
6647P003M Iss. 3.

M. Other Publications Affected

Not applicable.

N. Family Tree Charts of Modification Relationships

Not applicable.

2. Accomplishment

Service Bulletin to be embodied during time scale to suit individual Operator and to coincide with aircraft minor maintenance, 'A' check or overnight base stop.

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Dowty Defence and Air Systems Ltd. to complete software change.

Operators to contact Dowty Defence and Air Systems Ltd. Product Support Department to arrange service visit.

3. Material Information

No material change is necessary. Software will be inserted into the existing hardware (OBRM). The software standard will be identified by new identification label attached to the OBRM.

Existing Part No.

6647-004-00c-3c

New Part No.

6647-004-00c-3d