

DOWTY

SERVICE BULLETIN

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

Signed *R. Kendall*
CAA Approval No. DAI 1501/39

SERVICE BULLETIN No. 6647-32-4

LANDING GEAR - EXTENSION AND RETRACTION - CONTROL AND INTERFACE

INTRODUCTION OF MODIFIED MICROPROCESSOR BOARD

MODIFICATION No. 2

Note: This Service Bulletin is issued out of sequence.
Service Bulletin No. 6647-32-3 has already been
allocated for another purpose and will be issued
shortly.

1. Planning Information

A. Effectivity

Airbus Industrie A320, all models.

Landing Gear Control and Interface Unit (LGCIU), part number
664700400C3C and 664700400C3D, all serial numbers up to and including
176. Serial numbers 177 and up have Mod. No. 2 incorporated during
manufacture.

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B. Reason

Intensive ATE-based testing of the LGCIU printed circuit boards has recently been introduced by the manufacturer. This testing has revealed a hitherto dormant fault on the microprocessor board.

The printed tracking from pin 76 of the board connector to pin 7 of IC28 was found to be shorted to 0V at the negative pin of the Zener diode ZD4, thus resulting in loss of monitoring of short-circuit failure of the Door Open solenoid.

C. Description

Modification No. 2, introduced by this Service Bulletin, involves the local cutting of a portion of the printed tracking and the addition of a wire link between pin 76 of the board connector and pin 7 of IC28.

Introduction of this modification changes the part number of the microprocessor board from 664700517 to 001-LG-01-0330. The part number of the LGCIU is unchanged.

D. Compliance

Compliance with this Service Bulletin is recommended. The manufacturer will incorporate this modification into all units returned for investigation and/or repair.

Operators need not return units specifically for this modification to be incorporated.

E. Approval

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

F. Manpower

Not applicable. Operator accomplishment of this Service Bulletin is by unit substitution.

G. Material Cost and Availability

This modification will be incorporated by the manufacturer into returned units at no charge to the Operators.

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H. Tooling - Price and Availability

Not applicable.

J. Weight and Balance

Weight and balance are not affected.

K. Electrical Load Data

This modification has no effect on the aircraft electrical loads.

L. References

Dowty Component Maintenance Manual, Ref. No. 32-31-71.

M. Other Publications Affected

Not applicable.

2. Accomplishment Instructions

Operator accomplishment of this Service Bulletin is by unit substitution.

The manufacturer will incorporate Modification No. 2 into all LGCIUs returned for repair or investigation or for any other reason.

Pre-Mod. 2 units cannot be converted by Operators to post-Mod. 2 standard.

3. Material Information

Incorporation of Modification No. 2 does not affect the manufacturer's part number of the LGCIU.

Modified units will be identified by the addition of the numeral '2' on the amendment label located on the front panel of the LGCIU.

The part number of the microprocessor board is affected :

Existing Part No.

New Part No.

664700517

001-LG-01-0330

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