

Ultra Electronics SERVICE BULLETIN

SERVICE BULLETIN No. 007LG-32-1

Manufacturer's Approval Nos.
CAA.G.02050, CA.JB.02019, DQD2021K, CAA.00224

LANDING GEAR – EXTENSION AND RETRACTION – CONTROL AND INTERFACE

INTRODUCTION OF LGCIU P/N 007LG037E

1. Planning Information

A. Effectivity

Airbus Industrie A330 and A340 aircraft, all models.

B. Concurrent requirements

N/A

C. Reason

The new LGCIU introduced by this Service Bulletin is a direct replacement for the 005 series LGCIUs, and embodies improvements over the 007LG027D model.

D. Description

This Service Bulletin introduces the latest version of the 007 series LGCIUs. There are a number of improvements embodied in this LGCIU over the previous version, P/N 007LG027D:

- 1) Fault Code AA13K: Protection PWB 007-LG-01-0180 replaced with new design to address erroneous logging of fault code 469.
- 2) Software changes: Software amended to reflect Hardware/Software suffix change. The OBRM Module Sub Assembly has been revised accordingly
- 3) Hardware Build update: The existing links set for the 02 standard have been updated to reflect the 03 standard on the Digital PWB Sub Assembly
- 4) Drivers PWB modified to disable solenoid drives in the event of particular sensor failures and to include a time delay on energizing of the Doors Open, Doors Closed and Gear Retract Solenoids.
- 5) Component changes: Component changes have been made to the Drivers PWB, Power Supply PWB, Interface PWB and Digital PWB Sub Assembly in order to comply with Ultra Controls standard components list. This has no impact on the FMEA (Failure Modes and Effects Analysis) or unit performance

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E. Compliance

The 007LG037E LGCIU will be fitted to all new build aircraft, and will be available to purchase as spares.

It is not necessary to replace existing units with the new type, as there is no difference in functionality.

F. Approval

The technical data in this Service Bulletin is approved by authority of the manufacturer's Approval Numbers listed on Page 1.

G. Manpower

N/A

H. Weight and Balance

No change.

I. Electrical Load Data

No change.

J. Software Accomplishment Summary

No change

K. References

This VSB is subject of Aircraft Modification Number 53459.

Ultra Controls LGCIU Component Maintenance Manual Ref. No. 32-31-83 (Latest Revision).

L. Other Publications Affected

N/A

M. Intermixability/Interchangeability

Accomplishment of this Service Bulletin does not affect intermixability or interchangeability.

The part numbers 005LG005B, 007LG027D and 007LG037E fitted LGCIU's can be either the same P/N in positions 1 and 2 or equally mixed. This statement does not apply to the A340-500/600 aircraft. Only the 007 series can be fitted in positions 1 and 2 or equally mixed on this platform.

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2. Material Information

A. Material – Price and Availability

Price and delivery data for the new 007LG037E LGCIU is available on request from Ultra Electronics Controls Division (address at the end of this Service Bulletin).

B. Re-identified Parts

New Part Number	Qty.	Keyword	Old Part Number	Inst.-Disposition
007LG037E	1	LGCIU	007LG027D 005LG005B	Redesigned LRU

C. Tooling – Price and Availability

No special tooling is required to accomplish this Service Bulletin.

3. Accomplishment Instructions

N/A

4. Appendices

A. Further Information

If you need more information about this Service Bulletin, or to obtain price/delivery data, contact the Customer Services Manager at:

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