



## **SERVICE BULLETIN**

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# **SERVICE BULLETIN No. 007LG-32-11**

## **LANDING GEAR - EXTENSION AND RETRACTION - CONTROL AND INTERFACE**

### **INTRODUCTION OF DIGITAL BOARD PART NUMBER: 007-LG-04-0040 - AMENDMENT B**

#### **1. Planning Information**

##### **A. Effectivity**

Landing Gear Control and Interface Units (LGCIUs), PNR: 007LG049G.

##### **B. Concurrent Requirements**

Not Applicable.

##### **C. Reason**

This Vendor Service Bulletin (VSB) introduces a new Digital Board PNR: 007-LG-04-0040. Due to obsolescence the RS-232 Dual Driver/Receiver, (Equipment Designator IC15) used on Digital Board, PNR: 007-LG-04-0030 is no longer available.

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### D. Description

Ultra Electronics - Controls has identified that the RS-232 Dual Driver/Receiver, (Equipment Designator IC15) used on Digital Board, PNR: 007-LG-04-0030 is no longer available, therefore to ensure this obsolescence issue does not impact continued production an alternative component has been identified.

A new manufactured Digital Board PSM, PNR 007-LG-04-0040 has been introduced and LGCIUs fitted with the new Digital Board are identified and recorded on the LGCIU as Amendment B.

### E. Compliance

Compliance with this Service Bulletin is "on condition" and is only required when the Digital Board PNR: 007-LG-04-0030 is replaced with a Digital Board PNR: 007-LG-04-0040. The change is identified and recorded as Amendment B.

Ultra Electronics Controls will accomplish this Service Bulletin on LGCIUs that are returned for a standard repair, if such repair involves replacement of the Digital Board, PNR: 007-LG-03-0040. If necessary, Operators may also carry out the replacement procedure.

### F. Approval

The modification procedures described in this VSB are reviewed and technically accepted by Airbus Design office to apply to the Airbus fleet affected. This VSB does not contain any change information that revises the equipment definition covered by Airbus approved modifications.

### G. Manpower

The time estimates given in the Service Bulletin are based on the direct labour to do the work. The estimates do not include the time to prepare, plan or inspect the work. Also procurement of parts and general administration work for the task are not included. The estimated time necessary to embody this Service Bulletin is as follows:

1. Disassembly: 30 minutes.
2. Assembly: 30 minutes.
3. LGCIU Amendment Identification: 5 minutes.
4. Final Test: 2 hours.

### H. Weight and Balance

Not Applicable.



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I. Electrical Load Data

This VSB does not change the aircraft electrical load.

J. Software Accomplishment Summary

Not Applicable.

K. References

Airbus Equipment Definition Evolution, EDES 007-LG/35, Issue 2, Introducing Digital Board PNR: 007-LG-04-0040.

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

Under no circumstances shall the modified equipment, resulting from the application of this Service Bulletin, be installed on the aircraft type unless the corresponding modification, and if applicable, its aircraft Service Bulletin are approved.

L. Other Publications Affected

Not applicable

M. Interchangeability or Intermixability of Parts

Refer to Airbus Illustrated Parts Catalogue.

2. Material Information

A. Material – Price and Availability

Price: The necessary material is detailed in paragraph 2.C.

Availability: Contact Ultra Electronics Controls for availability.

B. Industry Support Information

The Digital Board, PNR 007-LG-04-0040 is available for purchase as a spare. Digital Boards replaced during standard repair of the unit; normal conditions and warranty terms will apply.



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### C. Material Necessary for Each Component(Unit)

The following parts from Ultra Electronics Controls are necessary to accomplish this VSB.

#### (1) Material to be Purchased

<u>New PNR</u>	<u>Key Word</u>	<u>Old PNR</u>	<u>Qty</u>	<u>Unit Price</u>	<u>Inst/Disp</u>
007-LG-04-0040	Digital Board	007-LG-04-0030	1	\$8,002 (World List Price 2014)	Two Way PNR Change

#### (2) Material Supplied by the Operator (Consumables)

##### (a) Standard Material

Refer to the related sections of the CMM – Tools and Materials.

##### (b) Specific Material

Nil.

### D. Material Necessary for Each Spare

Not applicable.

### E. Re-identified Parts

Not applicable.

### F. Tooling – Price and Availability

No special tools are required to accomplish this VSB.



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### 3. Accomplishment Instructions

**CAUTION:** YOU MUST WORK ON THE LGCIU ONLY UNDER CLEAN ROOM CONDITIONS. ALL WORK MUST BE CARRIED OUT AT AN APPROVED METAL OXIDE SEMICONDUCTOR WORK STATION, IN ACCORDANCE WITH STANDARD ANTISTATIC PROCEDURES TO PREVENT DAMAGE BY STATIC DISCHARGE

Full description of the procedures is described in the LGCIU CMM, ATA Ref. 32-31-83 (Latest Revision).

#### A. LGCIU Disassembly

- (1) Refer to the LGCIU CMM, ATA Ref. 32-31-83, DISASSEMBLY page 3001.
- (2) Disassemble the LGCIU as instructed in Paragraph 2 and remove Digital Board, PNR: 007-LG-04-0040.

#### B. LGCIU Assembly

- (1) Refer to the LGCIU CMM, ATA Ref. 32-31-83, ASSEMBLY page 7001.
- (2) Reassemble the LGCIU fitting Digital Board, PNR: 007-LG-04-0040, as instructed in Paragraph 4.

#### C. LGCIU Amendment Identification

- (1) On the Amendment Label (CMM IPL, Fig 1, Item 180) identify the LGCIU as Amendment B.

#### D. Final Test

- (1) Refer to the LGCIU CMM, ATA Ref. 32-31-83, TESTING AND FAULT ISOLATION page 1001.
- (2) Perform a full acceptance test on the LGCIU as instructed in TESTING AND FAULT ISOLATION page 1001.



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### 4. Notification

After accomplishment of this VSB, the Operator must supply Ultra Electronics Controls with the following data:

- Service Bulletin number.
- Serial number(s) of the LGCIU(s) amended.
- Date of amendment(s).

Send this data to:

Customer Support Manager,  
Ultra Electronics Controls  
417 Bridport Road, Greenford, Middlesex,  
UB6 8UE  
United Kingdom

### 5. Further information

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

Ultra Electronics Controls  
417 Bridport Road, Greenford, Middlesex  
UB6 8UE  
United Kingdom

Telephone: +44 (0) 20 8813 4444      Fax: +44 (0) 20 8813 4351  
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