

Service Bulletin No: 46-006

Ref No: 338

Modification No: EC-15-0080

ATA Chapter: 46

**SYSTEMS INTEGRATION AND DISPLAY
WIRELESS DATA LOADING SYSTEM (CONNECTED FLIGHT DECK) SOFTWARE UPGRADE****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 545, 1001 thru 1575 with Connected Flight Deck installed.

This modification will be accomplished during production on MSN 1576 and subsequent.

B. Concurrent Requirements

Aircraft with a Connected Flight Deck installed or with Service Bulletin 46-004 Revision 6 embodied.

Honeywell Primus APEX Operational Software Build 8.8 or higher installed.

C. Reason**(1) Problem**

The Aircraft Condition Monitoring System (ACMS) causes an information CAS message to show in APEX when the ACMS log is full.

(2) Solution

Update the installed Aspen Connected Gateway CG100P (Revision F) wireless data loading system to the latest software build Revision G (version 2.0). The software upgrade lets the customer use an Apple iPad with the Honeywell myCMC application to download and clear the ACMS log files.

D. Description

This Service Bulletin gives the procedure to incorporate a software upgrade (to software build Revision G) on the Aspen Connected Gateway CG100P. The unit is installed behind the baggage compartment right side trim panel.

This Service Bulletin also gives the instruction to install a blank label on the existing software label of the Aspen Connected Gateway CG100P. The new software part number can now be digitally retrieved using the Aspen Connected for Pilatus Apple iPad application.

The part number of the Aspen Connected Gateway CG100P changes:

From

975.96.32.439 for H/W Revision E, S/W Revision F

To

975.96.32.456 for H/W Revision E, S/W Revision G or higher.

Revision 1 to this Service Bulletin extends the serial number range for which the SSL certificate needs to be updated. Customers who have embodied this Service Bulletin at Revision 0 need not do further work.

Revision 2 to this Service Bulletin clarifies P/N description. No further work is required for customers who have embodied this Service Bulletin at a previous revision.

E. Compliance

Optional.

F. Approval

The technical content of this Service Bulletin is approved under the authority of DOA No. EASA.21J.357.

PILATUS advises Operators/Owners to check with their designated Airworthiness Authority for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

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H. Manpower

Note: Man-hours are calculated as work done at annual inspection.

Task	Man-hours
Preparation	0.5
Modification	0.3
Configuration and test	0.3
Close up	0.4
TOTAL MAN-HOURS	1.5

I. Weight and Balance**(1) Weight Change**

Not affected.

(2) Moment Change

Not affected.

J. Electrical Load Data

Not affected.

K. Software

Honeywell Primus APEX Operational Software Build 8.8 or higher is required.

This Service Bulletin will upgrade the Aspen Connected Gateway CG100P Software Build from Revision F to Revision G (version 2.0).

L. References

Aircraft Maintenance Manual (AMM):

12-B-24-00-00-00A-901A-A	12-B-45-45-00-00A-330A-A
12-B-25-23-01-00A-920A-A	12-B-45-45-00-00A-331A-A

Tool and Equipment Manual (TEM):

12-B-45-45-00-00A-066A-A	
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M. Publications Affected

AFM, AMM, IPC, TEM.

N. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material - Price and Availability

Operators that require additional information and/or Service Bulletin material, should contact their Authorized Pilatus Service Center:

PILATUS AIRCRAFT LTD
 CUSTOMER SUPPORT MANAGER
 CH-6371 STANS
 SWITZERLAND

General Aviation
 Tel: +41 41 619 3333
 Fax: +41 41 619 7311
 eMail: SupportPC12@pilatus-aircraft.com

PILATUS BUSINESS AIRCRAFT LTD
 PRODUCT SUPPORT DEPARTMENT
 11755 AIRPORT WAY
 BROOMFIELD, CO 80021
 UNITED STATES OF AMERICA

Tel: +1 303 465 9099
 Fax: +1 303 465 6040
 eMail: SupportPC12@PilBal.com

PILATUS AUSTRALIA PTY LTD
 17 JAMES SCHOFIELD DRIVE
 ADELAIDE AIRPORT SA 5950
 AUSTRALIA

Tel: +61 8 8238 1600
 Fax: +61 8 8234 4499
 Free call: +61 1800 PILATUS (745 2887)
 eMail: SupportPC12@pilatus.com.au

Modification Kit Number	Price	Availability
975.96.32.457 975.96.32.458	Contact address above	Approximately 3 months / 90 days

B. Material Necessary for Each Aircraft

NOTE: Part Numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change the part numbers as necessary. Part numbers of items delivered with the Modification Kit are correct when the kit is dispatched. This could lead to differences between those part numbers quoted in this Service Bulletin and the Modification Kit if parts are superseded. Operators are requested to check the IPC for delivered parts which differ from those listed in the Service Bulletin Materials list.