

SERVICE BULLETIN

SERVICE BULLETIN NO: 23-003

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ATA CHAPTER: 23

COMMUNICATIONS**VHF NAV/COMM 1 AND NAV/COMM 2 KX155 OR KX165 TRANSCEIVERS - REPLACEMENT****1. Planning Information****A. Effectivity**

All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 400 with Honeywell KX155 or KX165 VHF Navigation and Communication (NAV/COMM) transceivers installed.

B. Concurrent Requirements

None

C. Reason**(1) Problem**

The VHF NAV/COMM 1 and NAV/COMM 2 systems in some PC-12 and PC-12/45 aircraft have KX155 or KX165 transceivers with 25kHz channel spacing installed. Transceivers with 8.33kHz channel spacing are now mandatory in aircraft which operate at high altitudes in European airspace.

(2) Cause

8.33kHz transceivers are not installed in some PC-12 and PC-12/45 aircraft.

(3) Solution

Replace the KX155 or KX165 (25kHz) transceivers with KX165A (8.33kHz) transceivers.

D. Description

This Service Bulletin gives the data and instructions necessary to:

- Replace 25kHz transceivers with 8.33kHz transceivers in the VHF NAV/COMM 1 and NAV/COMM 2 systems
- Install different connectors (P721 and P731) on the connector mounting plates of the transceivers
- Install the related wires for the new connectors

E. Compliance

Optional.

F. Approval

The technical aspects of this Service Bulletin have been approved by the Federal Office for Civil Aviation (FOCA) of Switzerland.

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

G. Manpower

	Total
Preparation	0.5
Modification of the aircraft	34
Close up	0.5
TOTAL MAN-HOURS	35

NOTE: Man-hours figures do not include the time required to cure sealants and adhesives.

H. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), 23-12-00 and 34-51-00.

Illustrated Parts Catalog (IPC), 31-10-00.

Aircraft Wiring Manual (AWM), 34-51-11

Honeywell Installation Manual KX155A/165A COMM/NAV System, Manual No. 006-10542-0002.

L. Publications Affected

AMM, 23-12-00 and 34-51-00.

IPC, 31-10-00.

AWM, 34-51-11

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M. Interchangeability of Parts

KX155 and KX165 transceivers are not interchangeable with KX165A transceivers. It is not permitted to install a 25kHz and an 8.33kHz transceiver in the same aircraft.

2. Material Information

A. Material - Price and Availability

Operators should send orders for Service Bulletin modification kits, to their Authorized Pilatus Service Center, or to:

PILATUS AIRCRAFT LTD.,
CUSTOMER LIAISON MANAGER,
CH 6371 STANS,
SWITZERLAND.

or PILATUS BUSINESS AIRCRAFT LTD.,
PRODUCT SUPPORT DEPARTMENT,
11755 AIRPORT WAY,
BROOMFIELD, CO 80021.
USA

Tel : + 41 41 619 6319 (General aviation)

Tel : + 41 41 619 6509 (Government)

Fax: + 41 41 619 6224

Tel : 303 465 9099

Fax: 303 465 6040

NOTE: Operators are requested to advise Pilatus Aircraft Ltd, using the Service Bulletin Evaluation Sheet, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are allocated for this Service Bulletin.