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SERVICE BULLETIN

AUTO FLIGHT - KTA 2810 TRIM ADAPTER (KTA 2810) - KTA 2810, PN 065-00195-0100; Increase the Robustness and Extend the Life of the Output Driver Relays

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Transmittal Information

ATA Number KTA 2810-22-01 (Publication Number D201202000048)

Summary

- Delete reference to Paragraph 2.A.(2).
- Added exchange information for units.

The information that is identified with revision bars is listed in the Revision History section. Revision bars are not used before Paragraph 1.A. The editorial changes and information that was moved or reformatted is not identified with revision bars.

Revision History

This service bulletin has had one revision(s) as shown in Table 1.

Table 1. Revision History

Revision Number	Revision Date
0	3 May 2012
1	29 Mar 2013

Highlights

This section issues Revision 1 to Service Bulletin, ATA Number KTA 2810-22-01 (Publication Number D201202000048), and contains these changes:

The list of highlights tells the users about the changes that the revision makes. The list has three columns. The "Page" column shows the block of data that the revision changes and the page on which the block begins. The block can be a section, subsection, graphic, table, etc. Revision marks give the location of the change in the block. The "Description" column tells the user about the change or changes in each block. A paragraph, table, or figure reference often comes before the description. The "Effectivity" column tells the user about the part number(s) to which the block of information applies. The default value for this column is "All." "All" means that the block applies to all parts.

Page	Description	Effectivity
7	Paragraph 2.A.(1). Changed Global Customer Care Center to Aerospace Contact Team and deleted the EMEA telephone numbers.	All
7	Paragraph 2.B.(1).(a). Added the exchange information for the unit.	All

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1. Planning Information

A. Effectivity

- (1) This service bulletin is applicable to the KTA 2810, PN 065-00195-0100, with Serial Number 1449 and below, without modification (MOD) 1 installed.

B. Concurrent Requirements

- (1) Not applicable.

C. Reason

- (1) It is possible that arcing and pitting can occur in KTA 2810 pitch trim and yaw trim output relays because there is no protective diode across the trim actuator output contacts.

D. Description

- (1) This modification adds transient protection across the trim actuator output relay contacts of the KTA 2810.

E. Compliance

- (1) This modification is optional. The operator can make the decision if this modification is necessary.

F. Approval

- (1) Not applicable.

G. Manpower

- (1) This modification can be completed in the approximate times that follow:
- 6.0 hour(s) for the labor to do the removal, installation, and return-to-service tests of the KTA 2810.

H. Weight and Balance

- (1) None.

I. Electrical Load Data

- (1) Not changed.

J. Software Accomplishment Summary

- (1) Not applicable.

K. References

- (1) To find, see, and download Honeywell Technical Publications, go to www.myaerospace.com.

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(2) The document(s) that follow(s) is/are necessary to complete this modification. Unless specified differently, you can use subsequent revisions.

- Aircraft Maintenance Manual, AMM, Document Number 02300, Pilatus PC-12/47E Aircraft Maintenance Manual.

NOTE: The AMM is available from Pilatus Aircraft Limited (CAGE: SV220). Do not send an order for the AMM to Honeywell as part of this service bulletin.

L. Other Publications Affected

(1) Not applicable.

M. Interchangeability or Intermixability of Parts

(1) The installation of MOD 1 has no effect on the interchangeability and intermixability of the KTA 2810 part numbers identified in this service bulletin.

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2. Material Information

A. **Material - Price and Availability**

- (1) Speak to Honeywell personnel at the location identified below for the necessary documentation, applicable material and labor prices, available parts, and supply times.

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Aerospace Contact Team

Telephone: 800-601-3099 (Toll Free U.S.A./Canada)

Telephone: 602-365-3099 (International Direct)

NOTE: Identified Global Material System (GMS) users can make an order for the material at <http://www.avionicservices.com/gms/login>. Customers who are not yet identified GMS users can use the same address to apply for identification.

B. **Industry Support Information**

- (1) Honeywell agrees to accept the costs for parts and labor on approval of a warranty claim, if the work is completed in less than 36 months from the release date of this service bulletin.
 - (a) This is a non-repairable item. A Honeywell (ERB/SPEX) exchange is permitted free of charge (FOC) for a KTA 2810 that does not contain MOD 1 for 36 months from the release date of this service bulletin.
- (2) Warranty claims are to be submitted through the Honeywell Warranty Web Portal: <https://portal.honeywell.com/wps/portal/aero/serviceprograms/warranty>. Click on the Bendix/King logo.
- (3) A correct warranty claim for the 6.0 hours to complete removal, installation, and return-to-service tests are necessary to complete this service bulletin.

C. **Material Necessary for Each Component**

- (1) Not applicable.

D. **Material Necessary for Each Spare**

- (1) Not applicable.

E. **Reidentified Parts**

- (1) Not applicable.

F. **Tooling - Price and Availability**

- (1) Not applicable.

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3. Accomplishment Instructions

A. General Information

WARNING: TO AVOID INJURY TO PERSONNEL, BE AWARE THAT VOLTAGES ARE PRESENT IN THE UNIT AND IN THE TEST EQUIPMENT. VOLTAGES AS LOW AS 28 VOLTS CAN CAUSE SERIOUS INJURY UNDER SOME CONDITIONS. DO NOT BE MISLED BY THE TERM "LOW VOLTAGE."

WARNING: BEFORE YOU USE A MATERIAL, REFER TO THE MANUFACTURER'S MATERIAL SAFETY DATA SHEETS. SOME MATERIALS CAN BE DANGEROUS.

- (1) Obey the precautions.
- (2) Refer to the Pilatus PC-12/47E AMM, Publication Number 02300, for procedures and precautions. Use all CAUTIONS and WARNINGS. Refer to the AMM for the location of the parts, unless specified differently.
- (3) Keep all hardware for use in assembly unless specified differently.
- (4) Obey standard established shop practices during modification of the KTA 2810 unless specified differently.

B. Modification

- (1) Get access to the KTA 2810 in the aircraft. Refer to the instructions in the AMM.
- (2) Disconnect and remove the KTA 2810. Refer to the instructions in the AMM.
- (3) Get a new KTA 2810, MOD 1, PN 065-00195-0100. Make sure the unit is identified with MOD 1.
- (4) Install a new KTA 2810, MOD 1, in the aircraft. Refer to the instructions in the AMM.

C. Testing

- (1) Do a return-to-service test of the KTA 2810. Refer to the instructions in the AMM.