

**FOR PLANNING PURPOSES**

# SERVICE BULLETIN

SERVICE BULLETIN NO: 34-016

REF NO: 223

MODIFICATION NO: EC-08-0593

ATA CHAPTER: 34

## NAVIGATION - INDEPENDENT POSITION DETERMINING EGPWS - REMOVE THE AUTOPILOT ENGAGED SIGNAL FROM THE EGPWS

### 1. Planning Information

#### A. Effectivity

PC-12/47E aircraft MSNs 1001 thru 1080 that have the optional EGPWS Mk 6 (TAWS Class A) installed.

#### B. Concurrent Requirements

None.

#### C. Reason

(1) Problem:

EGPWS Mode 6 gives overbank "Bank Angle" voice alerts. The bank angle limits are based on the aircraft radar altitude and the autopilot engaged status. If the autopilot is engaged, the bank angle limit is reduced from 50 degrees to 33 degrees for altitudes higher than 156 feet. However, the autopilot allows bank angles of 35 degrees when certain lateral modes are selected. This higher autopilot bank angle limit causes the EGPWS to give nuisance bank angle alerts when the aircraft banks more than 33 degrees while flying higher than 156 feet AGL with the autopilot engaged.

(2) Solution:

Remove the autopilot engaged signal from the EGPWS.

#### D. Description

This Service Bulletin gives the data and instructions necessary to disconnect the autopilot engaged signal from the EGPWS.

#### E. Compliance

Recommended.

#### F. Approval

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

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**

<b>Task</b>	<b>Man-hours</b>
Modification	0.5
Test	1.5
<b>TOTAL MAN-HOURS</b>	<b>2.0</b>

The man-hours totals are given for the incorporation of this Service Bulletin during an annual inspection.

**H. Weight and Balance**

Not affected.

**I. Electrical load Data:**

Not changed

**J. Software:**

Not affected.

**K. References**

Aircraft Maintenance Manual (AMM): 12-B-06-20-00-00A-040A-A, 12-B-22-10-00-00A-903A-A, 12-B-24-00-00-00A-901A-A, 12-B-25-21-01-00A-920A-A, 12-B-25-22-01-00A-920A-A, 12-B-25-21-04-00A-920A-A, 12-B-25-22-04-00A-920A-A

**L. Publications Affected**

Aircraft Maintenance Manual (AMM): 12-B-34-45-00-00A-040A-A

Wiring Diagram Manual (WDM)

**M. Interchangeability of Parts:**

Not applicable.

**2. Material Information**

**A. Material - Price and Availability**

No modification kit is necessary for this Service Bulletin.

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Operators are requested to advise Pilatus Aircraft Ltd, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are affected by this Service Bulletin.