

SERVICE BULLETIN

SERVICE BULLETIN NO: 21-007

REF NO: 188

MODIFICATION NO: ECN 04-0263

ATA CHAPTER: 21

AIR CONDITIONING TEMPERATURE CONTROL - CHANGE THE CABLE ROUTING

1. Planning Information

A. Effectivity

PC-12 and PC-12/45 aircraft MSN 101 thru MSN 610.

B. Concurrent Requirements

None.

C. Reason

Operators have recommended a change to the operation of the Environmental Control System (ECS) CAUTION in the Central Advisory and Warning System (CAWS)

(1) Problem.

During normal operation the ECS CAUTION (amber light) in the CAWS display unit is off when the ECS control switch is set to OFF, AUTO or MANUAL. The CAUTION only comes on when the ECS becomes defective while the ECS control switch is set to AUTO or MANUAL. There is no ECS CAUTION when the ECS control switch is set to OFF.

(2) Cause

The system is designed to operate as above.

(3) Solution

Change the system to make sure that the ECS CAUTION comes on when ECS control switch is set to OFF. This shows the pilot that the ECS is not in operation. To do this it is necessary to change the routing and one of the terminal positions of electrical cable (wire) H3B24. This is in addition to currently installed caution systems

D. Description

This Service Bulletin (SB) gives the data and instructions necessary to change the routing of wire H3B24 and to do a test of the ECS Caution.

E. Compliance

Recommended.

F. Approval

The technical content of this document is approved under the authority of FOCA DOA No. FOCA. JA. 002.

PILATUS advises Operators/Owners to check with their local Airworthiness Authorities for any changes, local regulations or sanctions that can affect the embodiment of this SB.

G. Manpower

	Total
Preparation	0.5
Changes and Test	1.0
Close up	0.5
TOTAL MAN-HOURS	2.0

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), 06-20-00 and 24-00-00.

L. Publications Affected

Typical Wiring Manual, Chapter 21

M. Interchangeability of Parts

Not applicable.