

Service Bulletin No: 21-014

Ref No: 365

Modification No: EC-17-0016

ATA Chapter: 21

**AIR CONDITIONING - COOLING
VCCS COMPRESSOR CONDENSER MODULE IMPROVEMENTS****1. Planning Information****A. Effectivity**

PC-12, PC-12/45, PC-12/47 and PC-12/47E aircraft with a Vapour Cycle Cooling System (VCCS) installed (Pilatus P/N 959.90.22.102, 959.90.22.106 or 959.90.22.107).

MSN 1729 and up will have this modification embodied during production.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

The vendor has introduced an improved VCCS Compressor Condenser Module (CCM) with better motor cooling and improved motor brushes for increased reliability in high temperature aircraft operating environments.

(2) Cause

VCCS reliability is lower in high temperature aircraft operating environments.

(3) Solution

Upgrade the existing CCM to the latest standard.

D. Description

This Service Bulletin gives the data and instructions necessary to upgrade and test the CCM.

E. Compliance

Optional.

F. Approval

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

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H. Manpower

Task	Man-hours Off-aircraft modification
Preparation	3
Modification	Refer to Enviro Systems Inc Service Bulletin SB17-101 1134400-59 (latest issue)
Close up	5
TOTAL MAN-HOURS	12

I. Weight and Balance

No change.

J. Electrical Load Data

No change.

K. Software

None.

L. References

Aircraft Maintenance Manual (AMM)

12-A-21-50-01-00A-920B-A 12-A-24-00-00-00A-901A-A

12-B-21-50-01-00A-920A-A 12-B-24-00-00-00A-901A-A

Enviro Systems Inc Service Bulletin SB17-101 1134400-59 (latest issue).

M. Publications Affected

IPC.

N. Interchangeability of Parts

Not applicable.

2. Material Information**A. Material - Price and Availability**

If you want more information about this modification, contact your approved Service Center or:

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B. Warranty

Not applicable.