

Service Bulletin No: 79-005

Ref No: 141

Modification No: ECN 03 0295

ATA Chapter: 79

**OIL - INDICATING
INTRODUCTION OF CHIP DETECTOR IN ENGINE ACCESSORY GEARBOX****1. Planning Information****A. Effectivity**

All PC-12, PC-12/45 and PC-12/47 aircraft up to and including MSN 999, except for aircraft MSN 545.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

The oil in the engine accessory gearbox is not monitored for metal particle contamination.

(2) Cause

The accessory gearbox does not have a detector to monitor the gearbox oil for metal particles caused by bearing and/or gear damage.

(3) Solution

Install a magnetic chip detector in the accessory gearbox to monitor the gearbox oil-drain for metal particles.

D. Description

This Service Bulletin gives the data and instructions to install a magnetic chip detector in the engine accessory-gearbox oil-drain.

Revision 1 to this Service Bulletin changes the torque value applied to the magnetic chip detector.

Revision 2 changes the Effectivity and updates the Service Bulletin to the latest standard.

Revision 3 to this Service Bulletin corrects the chip detector installation torque value and updates the Service Bulletin to the latest standard. Customers who have previously accomplished this Service Bulletin are advised to confirm that the chip detector is correctly installed.

E. Compliance

Optional.

F. Approval

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

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

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H. Manpower

	Total
Preparation	3.0
Installation of Chip detector and wiring	20.0
Close up	2.0
TOTAL MAN-HOURS	25.0

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

I. Weight and Balance**(1) Weight Change**

Not affected.

(2) Moment Change

Not affected.

J. Electrical Load Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM), 12-A-06-20-00-00A-040A-A, 12-A-20-20-00-00A-040A-A, 12-A-24-00-00-00A-901A-A, 12-A-24-30-07-00A-920A-A, 12-A-25-10-01-00A-920A-A, 12-A-25-10-03-00A-920A-A, 12-A-25-10-05-00A-920A-A, 12-A-79-00-00-00A-902A-A.

M. Publications Affected

AMM, IPC.