

Service Bulletin No: 77-004

Ref No: 387

Modification No: EC-18-0325, EC-18-0810

ATA Chapter: 77

**ENGINE INDICATING - INTEGRATED ENGINE INSTRUMENT SYSTEMS
REPLACE THE TORQUE TRANSDUCER ELECTRICAL CONNECTOR AND BACKSHELL****1. Planning Information****A. Effectivity**

All PC-12, PC-12/45, PC-12/47 and PC-12/47E Series aircraft MSN 101 and up.

B. Concurrent Requirements

None.

C. Reason**(1) Issue**

The existing torque transducer electrical connector may become contaminated by oil or moisture and corrupts the torque transducer signal.

(2) Solution

Use this Service Bulletin to replace the existing torque transducer electrical connector and backshell with a connector and backshell that have protection against contamination.

D. Description

This Service Bulletin gives the data and instructions necessary to remove the existing torque transducer electrical connector and backshell and install a new connector and backshell. The new connector is sealed with self-leveling sealant to prevent oil or moisture contamination ingress and a silicone hose is installed over the torque transducer and the electrical connection to give extra protection.

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
Preparation	0.5
Modification	2.0
Close up	0.5
TOTAL MAN-HOURS	3.0

NOTE: Man-hours do not include the cure time for the sealant.

I. Weight and Balance

No change.

J. Electrical Load Data

No change.

K. Software

None.

L. References

NOTE: References are given without the model identifier. For PC-12, PC-12/45 and PC-12/47 aircraft use the prefix 12-A. For PC-12/47E aircraft use the prefix 12-B.

AMM:

24-00-00-00A-901A-A

77-40-03-00A-903A-A

M. Publications Affected

Aircraft Maintenance Manual (AMM)

Illustrated Parts Data (IPD)

N. Interchangeability of Parts

Not interchangeable.

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

Operators that require additional information and/or Service Bulletin Material should contact their authorized Pilatus Service Center, or Pilatus Customer Support on www.pilatus-aircraft.com → contact us

NOTE: Part Numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change part numbers as necessary. Part numbers of items delivered are correct when dispatched. This could lead to differences between those part numbers quoted in this Service Bulletin and if parts are superseded. Operators are requested to check the IPD for delivered parts which differ from those listed in the Service Bulletin Materials Kit List.

B. Warranty

Not applicable.

C. Material Necessary