

SERVICE BULLETIN

SERVICE BULLETIN NO: 71-004

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ATA CHAPTER: 71

POWERPLANT TORQUE OIL PRESSURE TUBES AND PY PRESSURE PIPE - INSPECTION (AND ADJUSTMENT AND REPLACEMENT IF NECESSARY)

1. Planning Information

A. Effectivity

- (1) All PC-12 and PC-12/45 aircraft from MSN 101 up to and including MSN 301.

This Service Bulletin will be incorporated prior to delivery on aircraft MSN 302 and subsequent.

B. Concurrent Requirements

None

C. Reason

(1) Problem

Abrasive damage (chafing) has occurred on the exterior surfaces of the following components on the engines of three PC-12 aircraft:

- Torque oil-pressure tube (pipe) (PILATUS P/N 577.11.12.105)
- Py pressure pipe (pipe) (P&WC P/N 3119969)

(2) Cause

Insufficient clearance resulting in contact during the assembly procedure has caused the pipes to chafe.

(3) Solution

Make sure the pipes in the area of the overtorque limiter are installed correctly with no distortion or contact. Make sure there is a sufficient clearance distance (0.12 in.(3 mm)) between the applicable pipes and all other components.

D. Description

This Service Bulletin gives the necessary data and instructions to do a one time inspection, adjust the pipes for clearance and (if necessary) replace the pipes.

E. Compliance

Mandatory.

Inspection of the pipes is required within the next 10 days or 25 flying hours, whichever comes sooner after the effective date of this Service Bulletin, unless already accomplished.

If damage is found during the inspection the applicable pipe, or pipes, must be replaced before the next flight.

If contact or insufficient clearance is found during the inspection the pipes must be loosened, adjusted and correctly installed before the next flight.

F. Approval

The technical aspects of this Service Bulletin have been approved by the Federal Office for Civil Aviation (FOCA) of Switzerland as an Airworthiness Directive.

NOTE: 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

(1) Man-hours - Inspection

	Total
Preparation	0.25
Inspection	0.25
Close up	0.25
TOTAL MAN-HOURS	0.75

(2) Man-hours - Pipe Adjustment/Replacement

	Total
Preparation	0.25
Inspection	0.25
Adjustment/Replacement of the Pipes	1.0
Close up	0.5
TOTAL MAN-HOURS	2.0

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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, 71-00-00 and 71-00-02.

Pratt & Whitney Canada, Engine Maintenance Manual (P&WC, EMM), 70-00-00 and 73-10-09.

L. Publications Affected

Illustrated Parts Catalog, Chapter 77-10-00.

M. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material Necessary for Each Aircraft

Not applicable.

B. Material Necessary for Each Spare

Not applicable.