

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 32-021

REF NO: 220

MODIFICATION NO: EC 08-0766

ATA CHAPTER: 32

LANDING GEAR - NOSE WHEEL STEERING REPLACEMENT OF THE CRANK BAR ASSY

1. Planning Information

A. Effectivity:

All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 299.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Failure of the nose wheel steering system because of fatigue cracking of the torque tube in the crank bar assy.

(2) Cause

Some torque tubes were bored off-center during manufacture. This results in a reduced wall thickness at one side of the torque tube. The torque tube can also crack at the bolt holes for the lever attachment bolt.

(3) Solution

Install a new crank bar assy which is manufactured to a higher standard.

D. Description

This Service Bulletin gives the data and instructions necessary to replace the crank bar assy.

E. Compliance

Mandatory.

At the next scheduled aircraft inspection.

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 local Airworthiness Authorities for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

G. Manpower

	Man-hours
Removal	0.75
Installation	1.25
Test	0.50
Close Up	0.25
TOTAL MAN-HOURS	2.75

H. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

I. Electrical Load Data

Not applicable.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM): 12-A-07-10-00-00A-901A-A, 12-A-06-20-00-00A-040A-A, 12-A-20-31-00A-070A-A, 12-A-32-50-00-00A-903A-A.

L. Publications Affected

Not applicable.

M. Interchangeability of Parts

A torque tube P/N 532.50.12.047 must not be installed on a Post SB 32-021 aircraft.

2. Material Information

A. Material - Price and Availability

Operators should send orders for Service Bulletin Modification Kits, to their Authorized Pilatus Service Center or:

PILATUS AIRCRAFT LTD.,
CUSTOMER SUPPORT MANAGER,
CH-6371 STANS,
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Tel: + 41 41 619 6208
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Operators are requested to advise Pilatus Aircraft Ltd, of the Manufacturer's Serial Number (MSN) and the flying hours and landings of aircraft which are affected by this Service Bulletin.