



PILATUS AIRCRAFT LTD. CH-6371 STANS, SWITZERLAND

# SERVICE BULLETIN

SERVICE BULLETIN NO: 29-010

REF NO: 087

MODIFICATION NO: ECN 04-0353

ATA CHAPTER: 29

## HYDRAULIC POWER - AUXILIARY LANDING GEAR EMERGENCY-OPERATING-CABLE - REPLACEMENT

### 1. Planning Information

#### A. Effectivity

PC-9 aircraft: MSN 101 thru MSN 247 and MSN 501 thru MSN 567.

#### B. Concurrent Requirements

None

#### C. Reason

##### (1) Problem

Corrosion damage has occurred in the landing-gear-emergency operating Bowden-cable-assemblies (cables assemblies) of aircraft that operate in areas with high atmospheric salt content.

##### (2) Solution

PILATUS recommend Operators to replace the cable assembly with a new type of corrosion resistant cable assembly. When the new cable assembly is installed it will not be necessary to do the specified annual inspection.

#### D. Description

This Service Bulletin gives the data and instructions necessary to replace cable assembly (529.20.09.120) with cable assembly (529.20.09.134).

#### E. Compliance

Highly Recommended.

#### F. Approval

The technical content of this document is approved under the authority of FOCA DOA No. FOCA. JA. 002.

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.

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**G. Manpower**

	Total
Preparation	2.0
Replacement	5.0
Close up	3.0
<b>TOTAL MAN-HOURS</b>	<b>10.0</b>

**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), 25-10-00 and 29-20-03.

**L. Publications Affected**

Illustrated Parts Catalog, 29-20-01.

**M. Interchangeability of Parts**

Pre and Post-Service Bulletin 29-010 cable assemblies are interchangeable. Operators must do the specified annual inspections if a Pre-Service Bulletin cable assembly (529.20.09.120) is installed in place of a Post-Service Bulletin cable assembly (529.20.09.134). PILATUS will only supply Post-Service Bulletin cables assemblies (529.20.09.134).

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**2. Material Information**

**A. Material Necessary for Each Aircraft**

**(1) Material to be Purchased**

A modification kit is not necessary for this Service Bulletin. Part Numbers, given in this Service Bulletin, are correct at the time of approval. PILATUS AIRCRAFT LTD. reserves the right to change the part numbers as necessary

**(2) Additional Material to be Procured**

New Part No.	Description	Old Part No.	Qty	Disp. Code	Fig	Item
529.20.09.134	Cable - Bowden Assembly	529.20.09.120	1	D	N/A	N/A

Disposition Codes: D - Discard / R - Return to PILATUS

**(3) Operator Supplied Materials**

Not applicable.

**B. Material Necessary for Each Spare**

Not applicable.

**C. Tooling - Cost and Availability**

Not applicable.

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**3. Accomplishment Instructions - Aircraft**

**WARNING:** MAKE SURE THE TWO EJECTION SEATS HAVE THE SAFETY PINS INSTALLED IN THE SAFE FOR SERVICING LOCATIONS BEFORE YOU GO INTO THE COCKPIT.

**WARNING:** BE CAREFUL WHEN YOU USE THE CONSUMABLE MATERIALS. OBEY THE MANUFACTURERS HEALTH AND SAFETY INSTRUCTIONS.

**A. Preparation**

(1) Obey the safety instructions given in Ejection Seat - Maintenance Practices (Ref. 25-10-00, Page Block 201).

(2) Open and safety circuit breakers:

LDG GR HANDLE (BATTERY BUS)  
HYDR SYS (BATTERY BUS)  
AIR BRAKE (GENERATOR BUS)

**B. Replacement**

(1) Replace the cable (Ref. AMM, 29-20-03, Page Block 401).

(a) Remove and discard the cable (529.20.09.120).

(b) Install the new cable (529.20.09.134).

**C. Close up**

(1) Remove all tools and materials. Make sure the work areas are clean.

(2) Close circuit breakers:

LDG GR HANDLE (BATTERY BUS)  
HYDR SYS (BATTERY BUS)  
AIR BRAKE (GENERATOR BUS)

**D. Documentation**

(1) Make an entry in the Aircraft Logbook that this Service Bulletin is incorporated.

(2) Use the Service Bulletin Evaluation Sheet to report your results and the serial number of the modified aircraft to PILATUS.

**4. Accomplishment Instructions - Spares**

PILATUS recommend Operators to replace all cables (529.20.09.120) held as spare with new cables (529.20.09.134).



## SERVICE BULLETIN EVALUATION SHEET

The purpose of this Evaluation Form is to allow you, the customer, to comment on this Service Bulletin. Your comments will be used to further improve our Service Bulletin program.

SERVICE BULLETIN EVALUATION FOR SB No. 29-010	
Title	LANDING GEAR EMERGENCY OPERATING CABLE - REPLACEMENT
Aircraft MSN	Total Airframe Hours
Owner	
Operator	
Service center	
Please Tick as appropriate	
<input type="checkbox"/> We will embody/accomplish this SB	<input type="checkbox"/> Fully
<input type="checkbox"/> We have embodied/accomplished this SB	<input type="checkbox"/> Partially
<input type="checkbox"/> We will not embody/accomplish this SB	<input type="checkbox"/> Our experience does not justify embodiment
<input type="checkbox"/> Decision deferred (please explain)	<input type="checkbox"/> Other (please explain)
Comments (procedure, kit quality, suggested improvements, etc.)	

Please forward this form to:

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CH 6371 STANS,  
SWITZERLAND.  
Telefax ++41 41 - 619 6593

DATE:  
NAME:

SIGNATURE:

