



PILATUS AIRCRAFT LTD. STANS, SWITZERLAND

SERVICE LETTER

PC-12

SUBJECT: NOSE WHEEL - GREASE SEAL INCORRECTLY INSTALLED

To all Customers, Operators and Service Centers:

Date: Jan 21/21

This Service Letter is issued to advise operators that the Nose Wheel vendor has issued a Service Bulletin to advise of an incorrectly marked and installed grease seal. Parker Hannifin Corporation Service Bulletin SB7126 gives details of the inspection and replacement of the affected grease seals.

Operators are advised to inspect Nose Wheels (P/N 959.56.02.302) installed on aircraft at the earliest opportunity. Refer to AMM 12-B-32-40-02-00A-920A-A for the instructions to remove/install the Nose Wheel. Nose Wheels (P/N 959.56.02.302) held as spare and grease seal P/N 154-09600 held as spare should be inspected before installation.

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



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INTENTIONALLY BLANK



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SERVICE BULLETIN

INSPECTION OF P/N 154-09600 GREASE SEAL

1. PLANNING INFORMATION

A. APPLICABILITY

This service bulletin is applicable to the following Parker Hannifin wheel assembly and Kit part numbers.

- 40-423 - Nose Wheel Assembly
- 40-450 - Nose Wheel Assembly
- 40-469 - Main Wheel Assembly
- 40-471 - Nose Wheel Assembly
- 199-256 - Nose Wheel Conversion Kit
- 199-271 - Nose Wheel Kit

B. REASON

The installation note "THIS SIDE OUT", marked on the metallic ring of grease seal part number 154-09600, manufactured from 01-01-2011 thru 12-31-2013 may have been marked on both sides of the metallic ring. This marking should only be applied to one side of the metallic ring to indicate the correct orientation of the grease seal when installed in the wheel assembly. This Service Bulletin provides instructions for inspecting and verifying the 154-09600 grease seals are installed in the proper orientation.

C. DESCRIPTION

This document provides the necessary instructions to inspect the 154-09600 grease seal on the wheel assembly and reinstall or replace if damaged.

- (1) Parts affected.

NOTE: Quantities are per wheel assembly.

Table 1

40-423, 40-450, 40-469, & 40-471 Wheel assembly			199-256 & 199-271 Kit		
Items Inspected			Items Inspected		
Part Number	Description	Qty	Part Number	Description	Qty
154-09600	Grease seal	2	154-09600	Grease seal	2

D. COMPLIANCE

Mandatory – Perform accomplishment instructions at earliest convenience or next tire change or scheduled maintenance.

E. APPROVAL

Not Applicable.

Initial Rel. 11-10-2020

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F. MANPOWER

Estimate per Wheel Assembly: 50-60 minutes.

G. TOOLING

No additional special tooling is required.

H. WEIGHT AND BALANCE

Not affected.

I. REFERENCES

- CM40-423.....Component Maintenance Manual, Nose Wheel Assembly, Parker Hannifin Part No. 40-423
- CM40-450.....Component Maintenance Manual, Nose Wheel Assembly, Parker Hannifin Part No. 40-450
- CM40-471.....Component Maintenance Manual, Nose Wheel Assembly, Parker Hannifin Part No. 40-471
- AWBCMM0001Component Maintenance Manual – External Design Wheel & Brakes
- AWBTSG0001Technician's Service Guide

J. OTHER PUBLICATIONS AFFECTED

None.

K. PREVIOUS MODIFICATIONS

None.

2. ACCOMPLISHMENT INSTRUCTIONS

A. INSPECT GREASE SEAL ORIENTATION

- (1) Inspect both the inboard and outboard 154-09600 grease seals installed in the wheel assembly per Figure 1.
- (2) Remove the retaining ring.
- (3) Inspect the grease seal for proper installation orientation. The metallic ring section of the grease seal shall be facing out.
- (4) Verify grease seal orientation by measuring the inside diameter of the metallic ring section of the grease seal per Figure 1.

B. INSTALL THE GREASE SEAL

- (1) If the 154-09600 grease seal is installed incorrectly, then both the inboard and outboard bearings should be inspected and packed with grease per the appropriate CMM.
 - (a) If the grease seal is not damaged reinstall in the proper orientation per Figure 1.
 - (b) If damaged replace the grease seal and install in the proper orientation per Figure 1.

C. LOGBOOK ENTRY

- (1) Make the appropriate airframe logbook entry of compliance.



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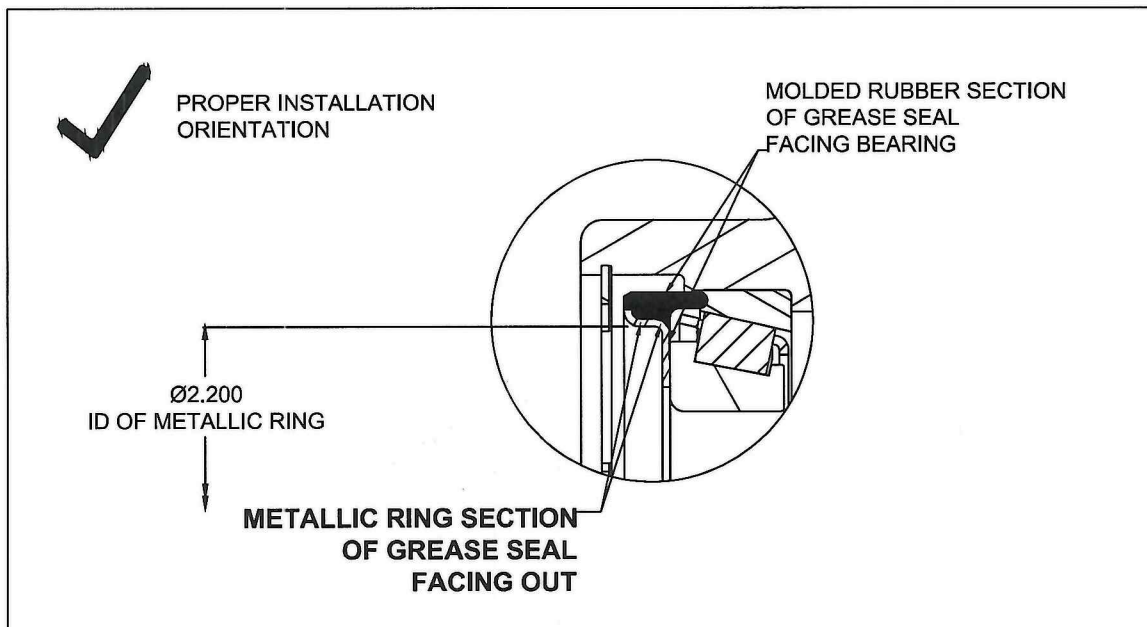


Figure 1 – Proper Installation Orientation

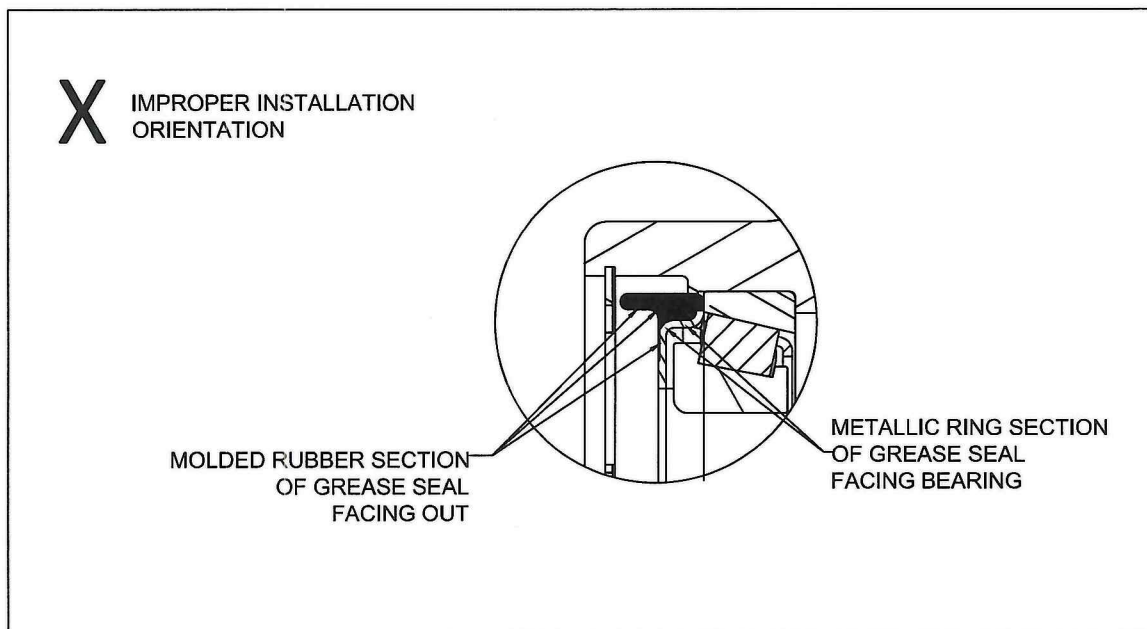


Figure 2 – Improper Installation Orientation



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INSPECTION OF P/N 154-09600 GREASE SEAL

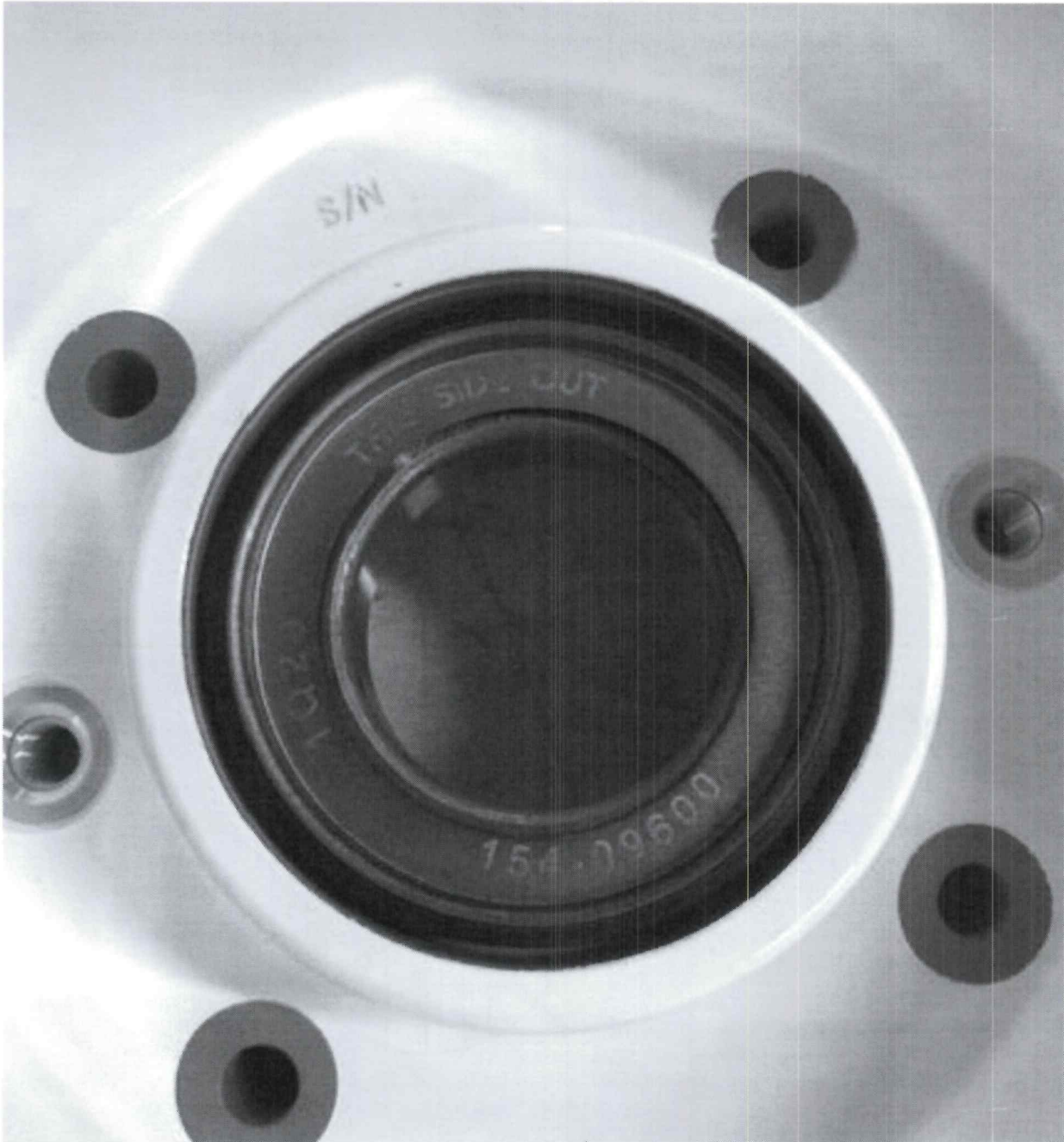


Figure 3 – Proper Grease Seal Orientation



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INSPECTION OF P/N 154-09600 GREASE SEAL



Figure 4 – Improper Grease Seal Orientation



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3. MATERIAL INFORMATION

A. MATERIAL-REQUIREMENTS

Bearing grease

B. LIST OF COMPONENTS

NOTE: Quantities are per wheel assembly.

New part number	Name	Qty	Old part number	Qty	Operation
154-09600	Grease seal	2	154-09600	2	Replace if damaged

C. INTERCHANGEABILITY

None.

D. PARTS DISPOSITION

Not Applicable