



Scoda Aeronáutica Ltda
Estrada Municipal IPN 020 km 0,1
Ipeúna – SP, Brazil.
PHONE: (19) 3576-1292
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www.scodaeronautica.com.br

NOTIFICATION

NT_SPLS_006
Revision 01

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Effective Date: July 09th, 2020

NOTIFICATION

NT_SPLS_006

BRAKE CALIPER SCREWS

Application of Notes, Cautions and Warnings

NOTES, CAUTIONS and **WARNINGS** are used in this document to emphasize instructions and information considered to be unusual or critical. A **NOTE, CAUTIONS** and **WARNINGS** may appear in the text either before or after the instruction(s) to which it applies, depending on the relative significance of the information. The conditions that warrant the use of **NOTES, CAUTIONS** and **WARNINGS** are defined below:

WARNING

IDENTIFIES AN INSTRUCTION, WHICH IF NOT FOLLOWED MAY CAUSE SERIOUS INJURY OR EVEN DEATH

CAUTION

Denotes an instruction which if not followed, may severely damage the aircraft or could lead to suspension of warranty

NOTE

Information useful for better handling

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1. Planning Information

NOTE

SCODA AERONAUTICA cannot accept any responsibility for the quality of work performed. Please refer to the last revision of the Advisory Circular 43.13 – 1B Acceptable Methods, Techniques, and Practices Aircraft Inspection and Repair.

1.1. Affected Aircraft

Type:	Super Petrel
Model:	LS
Serial Number:	All
Applicable Countries:	All

1.2. Reason

Based on field reports and in the continuous optimization of quality and safety, a recommendation of brake caliper screws tightening check and use of Loctite has been introduced.

1.3. Subject

Checking for correct tightening of the brake caliper screws.

1.4. Compliance

RECOMMENDED

1.5. Type of Maintenance

Line Maintenance

1.6. Personnel Qualifications

LSA Repairman Maintenance or A&P

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1.7. Release to Service

Conduct of this NT must be logged in the aircraft logbook with date and signature of the responsible person as applicable.

1.8. Weight and Balance

Not Affected

1.9. References

N/A

1.10. Superseded Documents

N/A

1.11. Contact Details

For further information on performing this NT, contact us to the following email address:

engineering@scodaero.com.br

1.12. Disclaimer

This Notification has been generated with utmost care. Nevertheless, errors and misunderstandings can never be fully excluded. In case of any doubts, the applicant is requested to contact Scoda Aeronáutica Ltda immediately to clarify the issue.

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2. Resources

2.1. Tools

- Combination Wrench 24 mm
- Combination Wrench 8 mm
- Allen Key 3 mm
- Pliers

2.2. Manpower

This procedure takes about 30 minutes to be completed.

2.3. Cost

Spare parts price and manpower should be covered by the customer.

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3. Instructions

NOTE

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1. Lift the aircraft
2. Remove the cotter pin with the pliers and remove the castle nut using a Combination Wrench 24 mm. Then remove the wheel.



Figure 1

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3. Check the tightening of the five screws.

- For brake calipers with hex cap screw use one (1) combination wrench 8 mm.
- For brake calipers with Allen screw use (1) Allen key 3 mm.



Hex Cap Screw



Allen Screw

Figure 2

NOTE

The use Loctite® 243 for reinstalling the screws is recommended

4. Reinstall the wheel. Tighten the castle nut using one (1) combination wrench 24 mm until the bearing and axis are fitted. Then install the cotter pin.

CAUTION

Do not leave the castle nut tightened to the maximum in order to avoid forcing the bearing. The wheel should have free rotation.



Figure 3