



SERVICE BULLETIN

Scoda Aeronáutica Ltda
Estrada Municipal IPN 020 km 0,1
Ipeúna – SP, Brazil.
PHONE: (19) 3576-1292
ZIP CODE: 13537-000
www.scodaeronautica.com.br

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Released Date: **May 12th, 2022**
Effective Date: **May 12th, 2022**

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Air Filter 912 iS / 914UL

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 Super Petrel LS equipped with Rotax 914 UL and 912 iS Sport engine
Applicable Countries:	All

1.2. Reason

- Flight reports has shown that air filter installed in the Super Petrel LS equipped with Rotax 914 UL may looseness in flight if not properly installed and secured, causing damages to the propeller. This SB specifies instructions for installing and triple wire securing the air filter (top, bottom and clamp).
- Discontinuation of the Tapered Air Filter K&N P/N RC-1624.
- Reintroduction of the Air Filter K&N P/N RU-0800 (Rotax P/N 825750).

1.3. Subject

- Air Filter installation and securing (**applied for Super Petrel LS equipped with Rotax 914 UL engine**)
- Replacing of the Tapered Air Filter K&N RC-1624 by Air Filter K&N P/N RU-0800 (Rotax 825750).

1.4. Compliance

MANDATORY

FOR SUPER PETREL LS EQUIPPED WITH ROTAX 914 UL

- The service bulletin must be performed before next flight.



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MANDATORY

FOR SUPER PETREL LS EQUIPPED WITH ROTAX 912 iS Sport

- The service bulletin must be performed at the next maintenance event.

1.5. Type of Maintenance

Line Maintenance

1.6. Personnel Qualifications

LSA Repairman Maintenance or A&P

1.7. Release to Service

Conduct of this SB 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

- Rotax Line Maintenance Manual 914 Series
- Rotax Line Maintenance Manual 912 i Series
- Super Petrel LS Maintenance Manual

1.10. Superseded Documents

N/A

1.11. Contact Details

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

engineering@scodaero.com.br



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1.12. Disclaimer

This Service Bulletin 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.

2. Resources

2.1. Parts

- Rotax P/N 825750 (K&N P/N RU-0800).
- Stainless Steel Safety Wire 0.032 inches (0.81 mm)

3. Instructions

NOTE

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NOTE

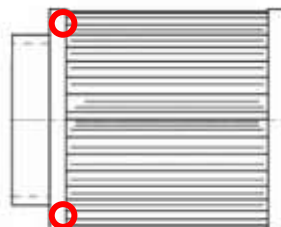
Please refer to the latest revision of the Rotax Line Maintenance Manual.

3.1 REPLACING OF THE TAPERED AIR FILTER K&N RC-1624 BY AIR FILTER K&N P/N RU-0800 ROTAX 825750

1. Check the model of the air filter installed in the aircraft.
 - If Tapered Air Filter RC-1624 is installed, this must be replaced by the RU-0800. Proceed to the step 3.2 of this SB for installation, fixation and safety wire instructions.
 - If Air Filter RU-0800 is installed, replacing action is not necessary. Proceed to the step 3.2 of this SB for fixation and safety wire instructions.

3.2 FOR SUPER PETREL LS EQUIPPED WITH ROTAX 914 UL

1. Drill a 2mm hole in the top and bottom of the K&N P/N RU-0800 air filter in order to pass the safety wire (see picture below).





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2. After drilled, make sure the filter is clean and free of rubber residues.
3. Clean filter and turbocharger nozzle. Make sure those are free of oil, dirty, residues, etc.
4. Prepare the air filter with the safety wire before installing.
5. Secure the air filter K&N P/N RU-0800 (Rotax P/N 825750) by clamp attachment. Make sure the clamp be tight.

CAUTION

The fixation of the clamp must be checked after run-up test and periodically, as necessary.

6. Air filter should be wired in three points as follows:

NOTE

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Aircraft Inspection and Repair – SECTION 7. SAFETYING

NOTE

Use heat shrink tube where the safety wire may contact with the turbo housing.

A) TOP PART OF THE AIR FILTER – TURBOCHARGER OUTPUT DUCT



CAUTION

Safety wire must be tight enough in order to not allow the filter to disengage from the turbocharger nozzle.

B) BOTTOM PART OF THE AIR FILTER – BOWDEN CABLE SUPPORT**CAUTION**

Safety wire must be tight enough in order to not allow the filter to disengage from the turbocharger nozzle.

C) FIXATION CLAMP – BOWDEN CABLE SUPPORT

7. Check the installation for general condition and fixation.



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3.3 FOR SUPER PETREL LS EQUIPPED WITH ROTAX 912 iS Sport

1. Remove the engine cowlings.
2. Remove the old air filter.
3. Install the air filter K&N P/N RU-0800 (Rotax P/N 825750).

CAUTION

Air filter and throttle body must be free of oil.

4. Secured the air filter by clamp attachment.
5. Check the installation for general condition and fixation.
6. Install the engine cowlings.