

Issues

SERVICE BULLETIN No. RTC-067a SR

SAFETY RELATED

**THE TECHNICAL CONTENT OF THIS DOCUMENT IS
APPROVED UNDER THE DOA NO. EASA.21J.057.**

THIS BULLETIN MAY BE AFFECTED BY AD.

- 1. CONCERNING:** All SPORTSTAR RTC airplanes.
- 2. REASON:** Increasing the safety of the oil system of THE ROTAX 912 ULS2 / S2 series engines by installing the PYROJACKET PJA 14 protective sleeves on the oil system hoses.
- 3. REQUIRED ACTIONS:**
 1. Install the PYROJACKET PJA 14 protective sleeves on the hose assembly of the ROTAX 912 ULS2 / S2 engine oil system.
 2. Record the bulletin implementation in the Logbook.
- 4. LATEST DAY OF ACTION:** During the regular inspection after 100 hours or during the annual inspection whichever occurs first.
- 5. CARRIED OUT BY:** Organizations authorized for maintenance / repairs of this type of airplane in accordance with Part ML, or Part 145, or Part CAO or the relevant authorized person.
- 6. COSTS COVERED BY:** Airplane owner/operator.
- 7. NECESSARY MATERIAL:** In accordance with the bulletin text.
- 8. WORK PROCEDURE:** In accordance with the bulletin text.
- 9. APPENDICES:** None.

Valid from: 25.01.2023

**1. Work procedure****1.1 Necessary tools**

Name	Designation	Quantity
Wrench	No. 7	1 pc
Wrench	No. 22	1 pc
Flat screwdriver		1 pc
Snap-off utility knife		1 pc
Pliers		1 pc
Oil container	5 l	1 pc
Lint-free cloth		

1.2 Necessary material (in accordance with RTC-067)

Name	Designation	Nomencl.	Quantity
PYROJACKET protective sleeve	PJA 14	055606	2,5 m
Lockwire	ø 0.81 mm (0.032")	118898	0,002 kg (5m)
Cable tie	3,6x142 mm	060333	10 pcs
Cable tie	4,8x368 mm	060371	10 pcs

The material shall be supplied by the airplane manufacturer.

1.3 Work procedure

- 1.3.1 Switch the electrical network off. Remove the engine cowlings in accordance with the procedure specified in the Airplane Maintenance Manual for SportStar RTC (Doc. No. ERTC021-10-AS), Section 71-10. Disconnect the battery.

CAUTION

DO NOT SPILL THE ENGINE OIL INTO THE ENGINE COMPARTMENT WHEN REMOVING THE INDIVIDUAL OIL SYSTEM HOSES.

- 1.3.2 Drain the oil from the oil system in accordance with the procedure specified in the Airplane Maintenance Manual for SportStar RTC (Doc. No. ERTC021-10-AS), Section 12-10.
- 1.3.3 Cut off the cable ties which attach the oil system hoses to the other components. Remove the original rubber sleeves which protected the hoses against abrasion. Remove the ends of the oil system hoses (1, Fig. 1) from the more accessible sides or remove the hoses completely - it all depends on the possibility of access at the place of disassembly. Be especially careful when working with the oil system hoses due to the residual oil inside the hoses.
- 1.3.4 Secure the ends of the oil system hoses (1) with suitable plugs against the ingress of dirt and glass fibers contained in the PYROJACKET protective sleeve (2).
- 1.3.5 Determine the length of the PYROJACKET protective sleeve (2) in accordance with the length of each individual oil system hose. Add the necessary allowance to the length of the PYROJACKET protective sleeve (2) to allow the fittings to be attached to both ends of the oil system hose (Fig. 1). The version of the oil system with a thermostat requires 5 pieces of PYROJACKET protective sleeves (2), the version of

the oil system without a thermostat requires a total of 3 pieces of PYROJACKET protective sleeves (2).

- 1.3.6 Slide the PYROJACKET protective sleeves (2) onto the oil system hoses (1).
- 1.3.7 Remove the plugs from the oil system hoses and insert the hoses into the respective screw fittings and secure them with hose clamps.
- 1.3.8 Unfold the ends of the PYROJACKET protective sleeves (2) so that they cover the oil system hoses (1) including the fittings from one end to the other. Secure the ends of the PYROJACKET protective sleeves (2) with the lockwire (3). Fasten the oil system hoses (1) with attached PYROJACKET protective sleeves (2) to the other components using cable ties and spacer rings.
- 1.3.9 Refill the oil system in accordance with the procedure specified in the Airplane Maintenance Manual for SportStar RTC (Doc. No. ERTC021-10-AS), Section 12-10. Connect the battery. Install the engine cowlings in accordance with the procedure specified in the Airplane Maintenance Manual for SportStar RTC (Doc. No. ERTC021-10-AS), Section 71-10. Switch the electrical network on.
- 1.3.10 Carry out the engine test, check oil pressure and oil system leaks.

Typical configuration of the oil hose protection Pyrojacket PJA 14 in engine compartment.

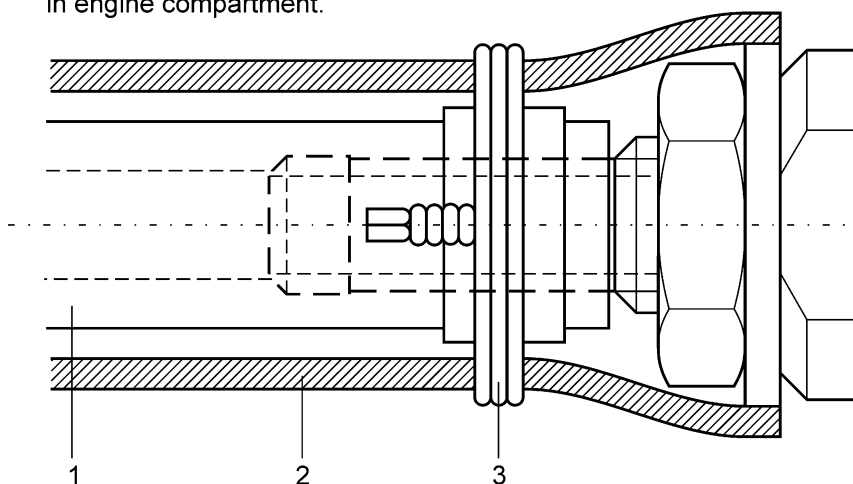


Fig. 1 – Installation of the PYROJACKET PJA 14 protective sleeve

Legend to Fig. 1

- | | | | |
|---|-------------------------------------|---|-----------------|
| 1 | Oil hose | 3 | Lockwire 0,81mm |
| 2 | PYROJACKET PJA 14 protective sleeve | | |

2. Influence on airplane documentation

2.1 Accompanying technical documentation

Not affected.

2.2 Operation technical documents

After the bulletin implementation, the authorized person will carry out the record in the Aircraft Logbook: „**Installation of the PYROJACKET PJA 14 protective sleeves on the oil system hoses was carried out in accordance with the Mandatory Bulletin No. RTC-067a SR.**“

3. Influence on weight and balancing

Determine the weight of the empty airplane on the center of gravity of the airplane in accordance with the Airplane Maintenance Manual for SportStar RTC (Doc. No. ERTC021-10-AS), Section 08-20.