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**NOTIFICATION BULLETIN No. RTC-044b R1**

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

- 1. CONCERNING TO:** Airplane SPORTSTAR RTC S/N 20151729, Reg. N. OE-ASA  
and S/N 20192112, Reg. N. S5-DNK
- 2. REASON:** Installation of the modified exhaust system Dwg. No. S6 18-15  
01 SL1729 on the above mentioned airplanes for the purpose of  
operation data collection.
- 3. REQUIRED ACTIONS:**
  1. Replace the standard exhaust system with the modified  
exhaust system Dwg. No. S6 18-15 01 SL1729.
  2. Record the bulletin implementation in the Logbook.
  3. Regularly check the condition of the exhaust system and  
inform the manufacturer of the airplane
- 4. LATEST DAY OF THE ACTION:** After receiving this bulletin.
- 5. CARRIED OUT BY:** Airplane manufacturer.
- 6. COSTS COVERED BY:** Airplane manufacturer.
- 7. NECESSARY MATERIAL:** In accordance with the text of the bulletin.
- 8. WORK PROCEDURE:** In accordance with the text of the bulletin.
- 9. APPENDICES:** None.

Valid from: 19. 09. 2019

## 1. Description of exhaust system

The exhaust system Dwg. No. S6 18-15 01 SL1729 differs from the standard exhaust system Dwg. No. E6 18-15 01 by replacing the flexible parts of individual exhaust pipeline with the new hydro-formed pipeline with ball joints.

The geometry of the whole exhaust system, the cross-section of the pipeline, the length of the flue gas routes and the way of installation in the airplane do not change. A major benefit, leading to increased life and safety of the exhaust system is to increase the wall thickness at the location of the ball joint where the original version has a wall thickness of approximately 0.4 mm and the modified version has a 1 mm.

## 2. Work procedure

### 2.1 Necessary tools

See Airplane Maintenance Manual for SportStar RTC (doc. No. ERTC022-10-AS), Section 78-20.

### 2.2 Necessary material

Name	Marking	Nomencl.	Quantity
Exhaust system		S6 18-15 01 SL1729	1 pc

Material shall be supplied by the airplane manufacturer.

### 2.3 Work procedure

#### 2.3.1 E6 18-15 01 Exhaust system removal

Remove the E6 18-15 01 Exhaust system according the procedure mentioned in the Airplane Maintenance Manual for SportStar RTC (doc. No. ERTC022-10-AS), Section 78-20, par. 2 A. (1).

#### 2.3.2 S6 18-15 01 SL1729 Exhaust system installation

Install the S6 18-15 01 SL1729 Exhaust system according the procedure mentioned in the Airplane Maintenance Manual for SportStar RTC (doc. No. ERTC022-10-AS), Section 78-20, par. 2 A. (2).

## 3. Influence on airplane documentation

### 3.1 Accompanying technical documentation

#### 3.1.1 Pilot's Operating Handbook for SportStar RTC (doc. No. ERTC020-10-AS)

Pre-flight Check (Par. 4.4, point 15. Engine) do according to the following procedure:  
Checks before the first flight of day:

- remove engine cowlings
- check condition of engine mount
- check condition of engine attachment
- check exhaust pipes, muffler and heat exchanger for condition, cracks, deformations or damage; check exhaust system fasteners for security. In case of damage finding, immediately inform the airplane manufacturer.
- check condition of engine cowlings
- visual check on fuel and electrical system condition
- check on cooling liquid volume in the expansion tank on the engine body (replenish as required up to max. 2/3 of the expansion tank volume)
- check on cooling liquid level in the overflow bottle (volume should be approx. 0.42 pints (0.2 liter))
- install the engine cowlings



Checks before every flight:

- check cleanness of air intakes
- check on oil level (between marks - flattening on the dip stick; difference between min. – max. marks is 0.5 l)
- check proper closing of the upper engine cowling

### **3.2 Operation technical documentation**

The authorized person will carry out this record in the Aircraft Logbook after bulletin implementation: „**The removal of the existing E6 18-15 01 Exhaust system and the installation of the new S6 18-15 01 SL1729 Exhaust system were carried out according to the Information Bulletin No. RTC-044b R1**“ and he will add the date and his signature.

### **4. Influence on weight and balancing**

Not affected.