

Czech Sport Aircraft a.s.	<h1>SERVICE BULLETIN</h1>	Czech Sport Aircraft a.s. Na Záhonech 1177/212, 686 04 Kunovice Czech Republic office@czechsportaircraft.com
No. SB-SC-027		Rev.: -
Date: 2015-03-04		
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<b>MODEL AFFECTED:</b>	SportCruiser / PiperSport
<b>SUBJECT:</b>	Installation of spacers in the wing position light system, installation of the tail position light.
<b>AIRCRAFT AFFECTED:</b>	09SC285, 09SC290, 09SC294, 09SC296, 10SC297, 09SC298, 09SC302, 09SC303, 09SC305, 09SC308, 09SC321, 09SC322, 09SC323, 09SC324, 09SC326, 09SC327, 09SC329, P1001040, P1001041, P1001042, P1001043, P1001061, P1001087,

**DESCRIPTION:**

The Service Bulletin concerns an installation of spacers in the wing position light system and installation of the tail position light.

**AUTHORISATION TO PERFORM:**

EASA Part M Engineering organization.

**MANPOWER:**

Approximately 12 hours are required to complete this Installation Instruction. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

**SPECIAL TOOLS:**

See accomplished instructions

**WEIGHT AND BALANCE:**

Affected.

**ELECTRICAL LOAD DATA:**

Affected.

**REFERENCES:**

SportCruiser / PiperSport Airplane Maintenance Manual, SC-AMM-1-0-00, Rev. 4, Date of Issue: 2014-09-08  
AC 43.13-1B, Acceptable Methods, Techniques, and Practices – Aircraft Inspection and Repair  
PiperSport -LTD- Wiring Manual, PS-WM-1-0-02, Date of Issue: 2010-03-31

**PUBLICATIONS AFFECTED:**

SportCruiser / PiperSport Airplane Maintenance Manual, SC-AMM-1-0-00, Rev. 4, Date of Issue: 2014-09-08  
PiperSport -LTD- Wiring Manual, PS-WM-1-0-02, Date of Issue: 2010-03-31

**COSTS TO BE COVERED BY:**

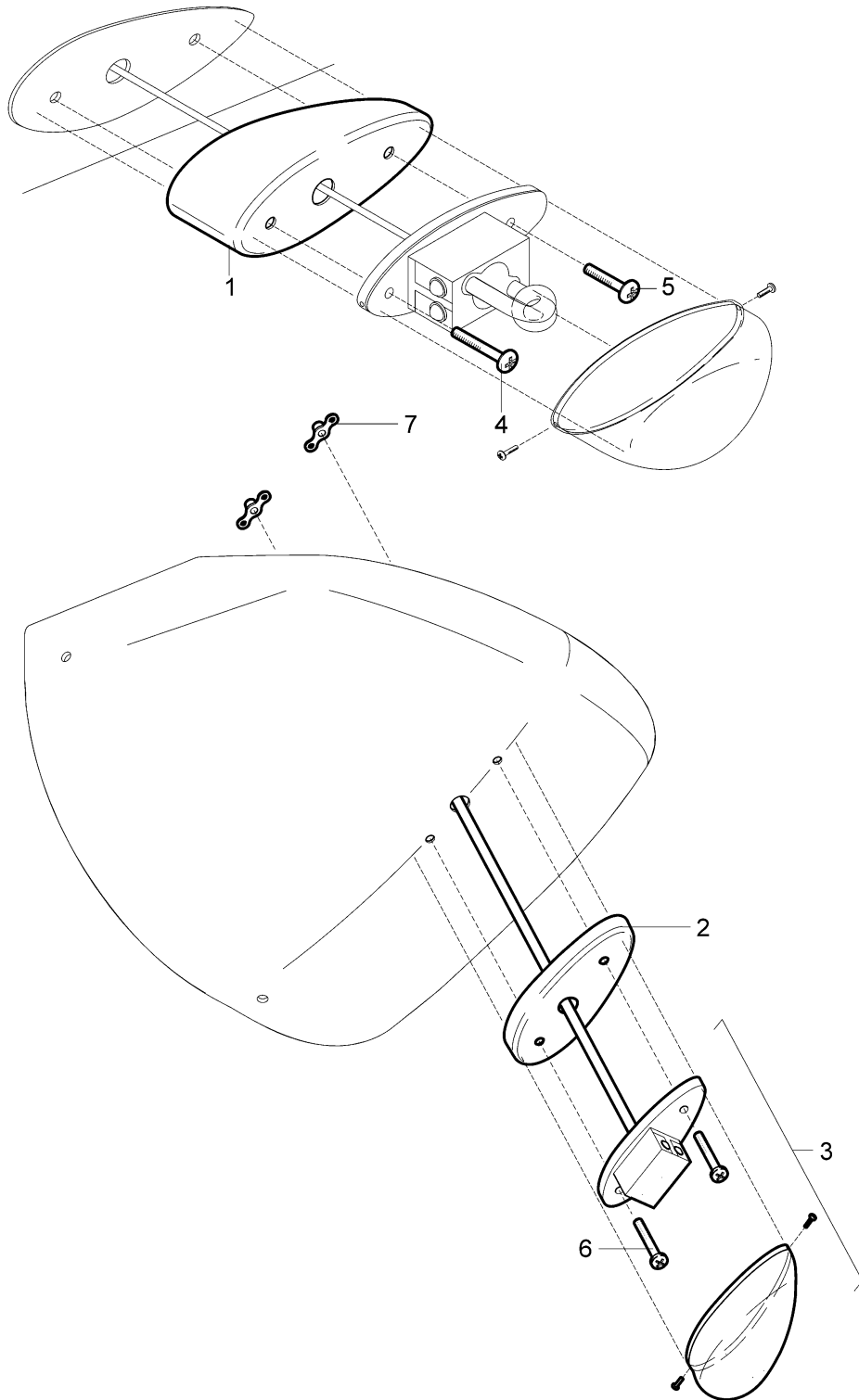
Operator

**MATERIAL:**

The following parts are required to comply with this Service Bulletin. Parts can be obtained from aircraft manufacturer. Order kit P/N SB-SC-027 to obtain the following parts.

Item	Name	Part Number	Nomenclature	Quantity	Note
1	Spacer	CI0601N		2	
2	Spacer	CI0602N		1	
3	Position light, white	SL-HAC-WX		1	
4	Self-tapping screw	3.9 x 45 DIN 7981	3111V056	2	
5	Self-tapping screw	3.9 x 32 DIN 7981	3111V057	2	
6	Screw	MS35206-332	3111O772	2	
7	Anchor nut	MS21047-08	3121G472	2	
8	Rivet	10342408	3171T035	4	Not shown
9	Wiring				Not shown

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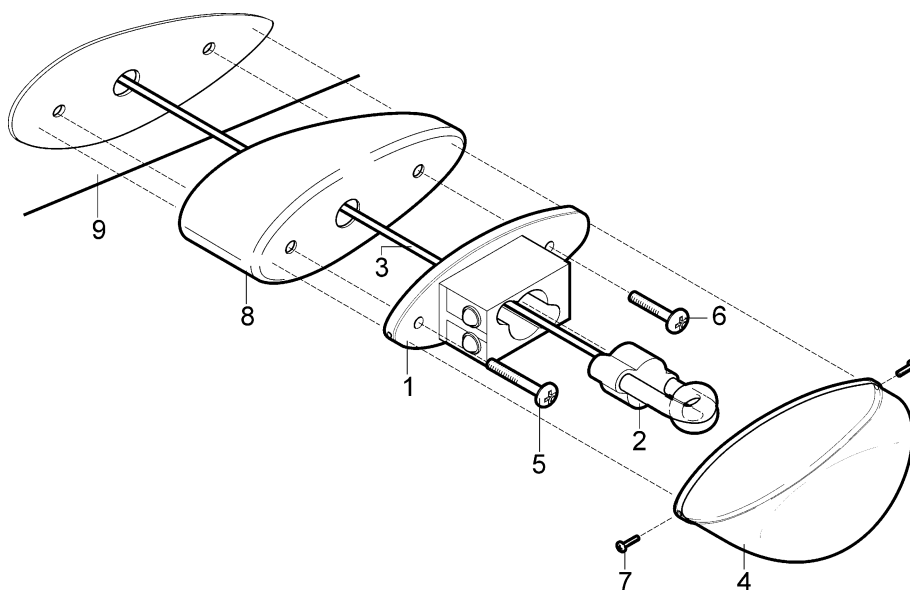
**APPROVAL:**  
This SB was approved by:

<b>Title</b>	Head of the Design Organisation	Airworthiness Manager
<b>Name</b>	Jiří Konečný	Marek Kotolan
<b>Hand written signature</b>		

## ACCOMPLISHMENT INSTRUCTIONS:

NOTE: All dimensions shown in the figures are in millimeters.

- Move the aircraft to a place suitable to perform the work.
- Remove engine cowlings, disconnect positive battery terminal (see AMM, Chapter 11).
- Remove the position / strobe lights according instructions in the AMM, Chapter 11.3.4.1,
- Install spacer between the wing tip and strobe / position light and install the position / strobe lights according instructions in the AMM, Chapter 11.3.5.1; use new self-tapping screws acc. to the figure.

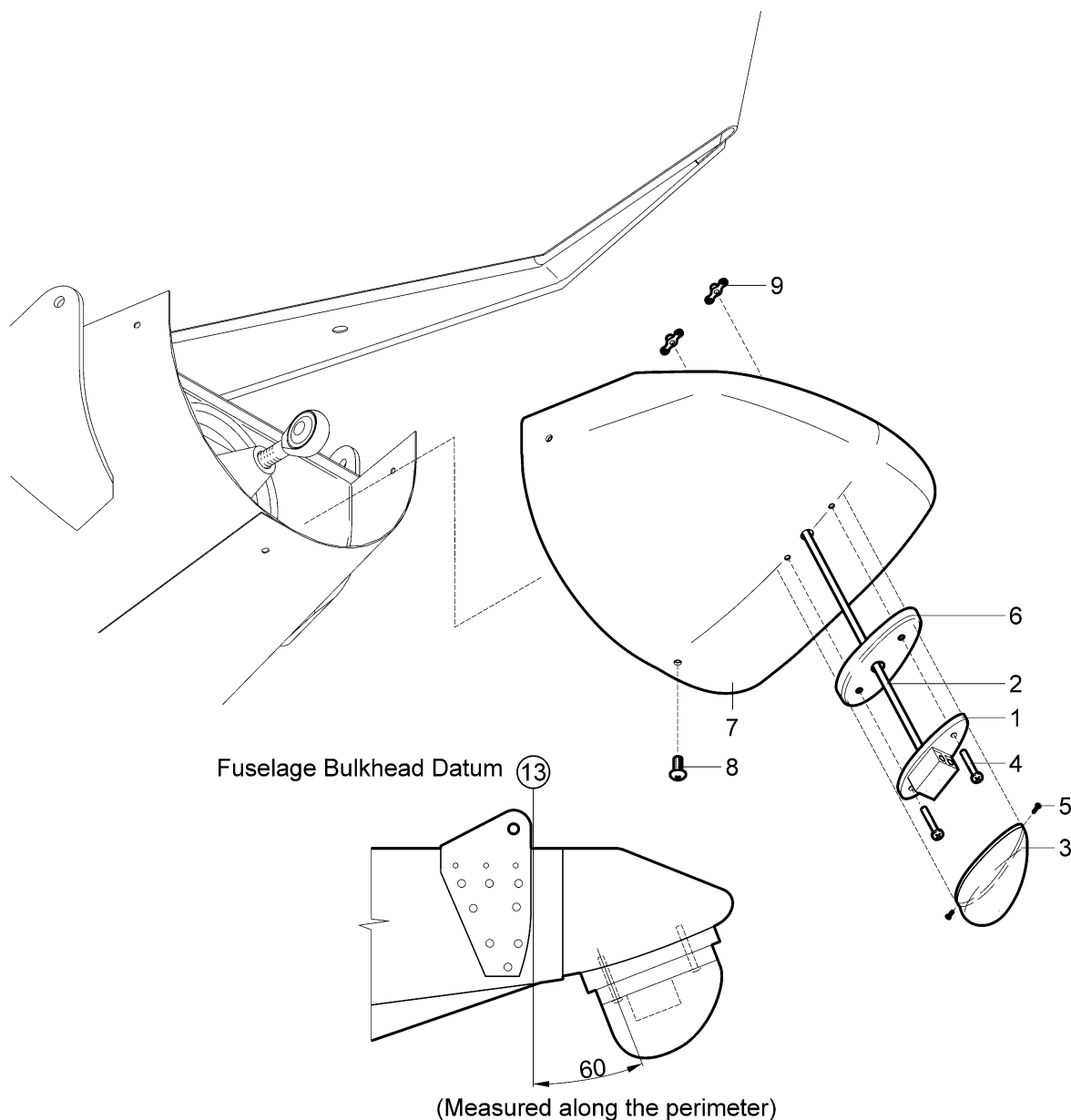


- |                                    |                                |
|------------------------------------|--------------------------------|
| 1. Position / strobe light housing | 6. Self-tapping screw 3.9 x 32 |
| 2. Discharge tube                  | 7. Screw                       |
| 3. Wires                           | 8. Spacer                      |
| 4. Cover glass                     | 9. Wing tip                    |
| 5. Self-tapping screw 3.9 x 45     |                                |

- Install tail position light:
  - Acquire necessary tools, equipment, and supplies:

Description	P/N or Spec.	Supplier	Purpose
Screwdriver	Philips No. 2	Any source	Rear cover and position light installation
Drill bit	diameter 4.5 mm	Any source	Screw holes drilling
Drill bit	diameter 10 mm	Any source	Wiring hole drilling
Drill bit	diameter 2.5 mm	Any source	Rivet holes drilling
Electric drill	-	Any source	Holes drilling
Riveting tool	-	Any source	Riveting

- Mark the holes for screws and wiring on the rear cover (8) as per figure.
- Remove the bolts (8) and rear cover (7).
- Drill screw holes (2 x Ø4.5 mm) in the rear cover; drill hole (Ø10 mm) for wiring.
- Place anchor nuts (9) to the rear cover, mark rivet holes.
- Drill rivet holes (4 x Ø2.5 mm).
- Rivet the anchor nuts (9) and rear cover (7) together.



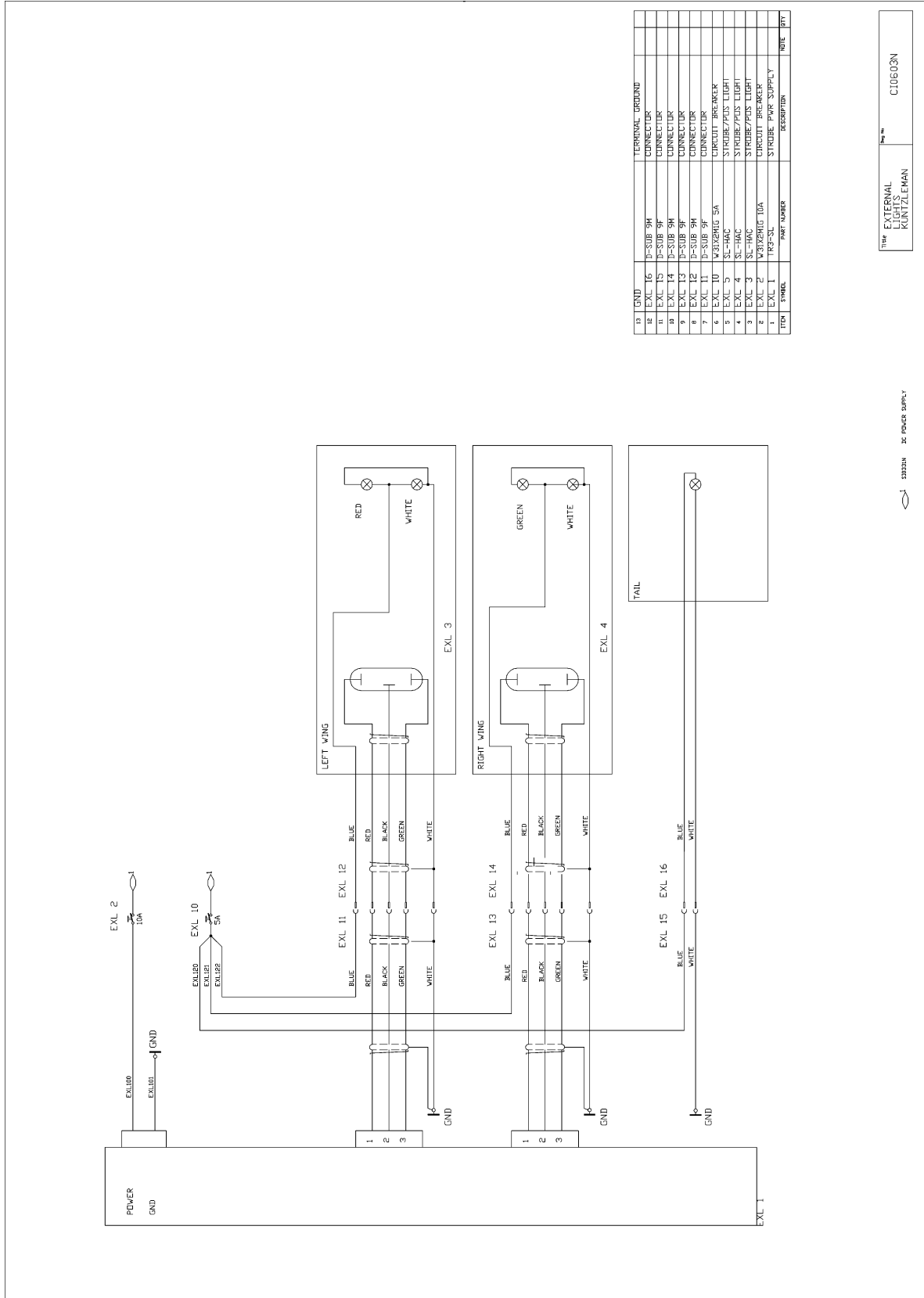
1. Position light housing
2. Wires
3. Cover glass
4. Screw
5. Screw

6. Spacer
7. Rear cover
8. Bolt
9. Anchor nut

8. Connect the position lights wires (2).
9. Set the position light housing (1) and spacer (6) to the rear cover (7) and fasten it with screws (4).
10. Set the cover glass (3) to the light housing (1) and fasten it with screws (5).

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F. Connect the tail position light according to the following wiring diagram, wires appropriate manner secure.



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- G. Restore the aircraft to the airworthy condition; check out function of the position light system.
- H. Weigh the aircraft and calculate the center of gravity; write data to the POH.
- I. Update aircraft records to reflect compliance with this Service Bulletin.