

 CZECH SPORT AIRCRAFT	<h1>SERVICE BULLETIN</h1>	Czech Sport Aircraft a.s. Na Záhonech 212, 686 04 Kunovice Czech Republic office@czechsportaircraft.com
		No.: SB-CR-041
		Date: 2018-09-12
		Page: 1 of 4
		Rev.: -
		Date: -

MODEL AFFECTED:	PS-28 Cruiser and SportCruiser / PiperSport aircraft operating under EASA control
SUBJECT:	Replacement of the original AVE-WPSTR/G-64T / AVE-WPSTR/G-65T Position/Strobe LED lights by the AVE-WPSTR/G-64T Mod (3) type
AIRCRAFT AFFECTED:	All aircraft according to section "MODEL AFFECTED", as applicable.
COMPLIANCE:	Apply this Service Bulletin when replacement of the original AVE-WPSTR/G-64T or AVE-WPSTR/G-65T Position/Strobe LED light is required.

DESCRIPTION:

This Service bulletin includes instructions for replacement of the original AVE-WPSTR/G-64T or AVE-WPSTR/G-65T Position/Strobe LED light by the AVE-WPSTR/G-64T Mod (3) Position/Strobe LED light.

APPROVAL:

The installation of the AVE-WPSTR/G-64T Mod (3) has been approved by the EASA Minor Change No. S-Z-0051, Approval No. 10065436, dated 4th May 2018.

AUTHORISATION TO PERFORM:

EASA Part M or Part 145 Maintenance organization

REASON:

Production of the original AVE-WPSTR/G-64T and AVE-WPSTR/G-65T Position/Strobe LED light was terminated by the manufacturer. The AVE-WPSTR/G-64T Mod (3) Position/Strobe LED light represents fully equivalent and approved replacement.

WEIGHT AND BALANCE:

Insignificant effect.

ELECTRICAL LOAD DATA:

Insignificant effect.

REFERENCES:

N/A

PUBLICATIONS AFFECTED:

N/A

TYPE OF MAINTENANCE:

Line

MANPOWER:

Approximately 5 - 10 hrs

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		No.: SB-CR-041	Rev.: -
		Date: 2018-09-12	Date: -
Page: 2 of 4			

SPECIAL TOOLS:

Common equipment for aircraft servicing (screwdriver, hand drilling-machine with drill-bits, extension cable, etc.) and common electrical hardware (shrink tube, crimping tool / connectors).

MATERIAL:

Name	Qty.	Drawing / Nomenclature
Position / Strobe LED light AVE-WPSTR-64T Mod (3) - Red	1 pc	6902ST17
Position / Strobe LED light AVE-WPSTG-64T Mod (3) - Green	1 pc	6902ST16
Attachment Screw M5x45	2 pcs	Included in the Position/Strobe LED light kit
Gasket	2 pcs	Included in the Position/Strobe LED light kit
Loctite 243 or equivalent thread locker adhesive with medium bond strength		4610A003

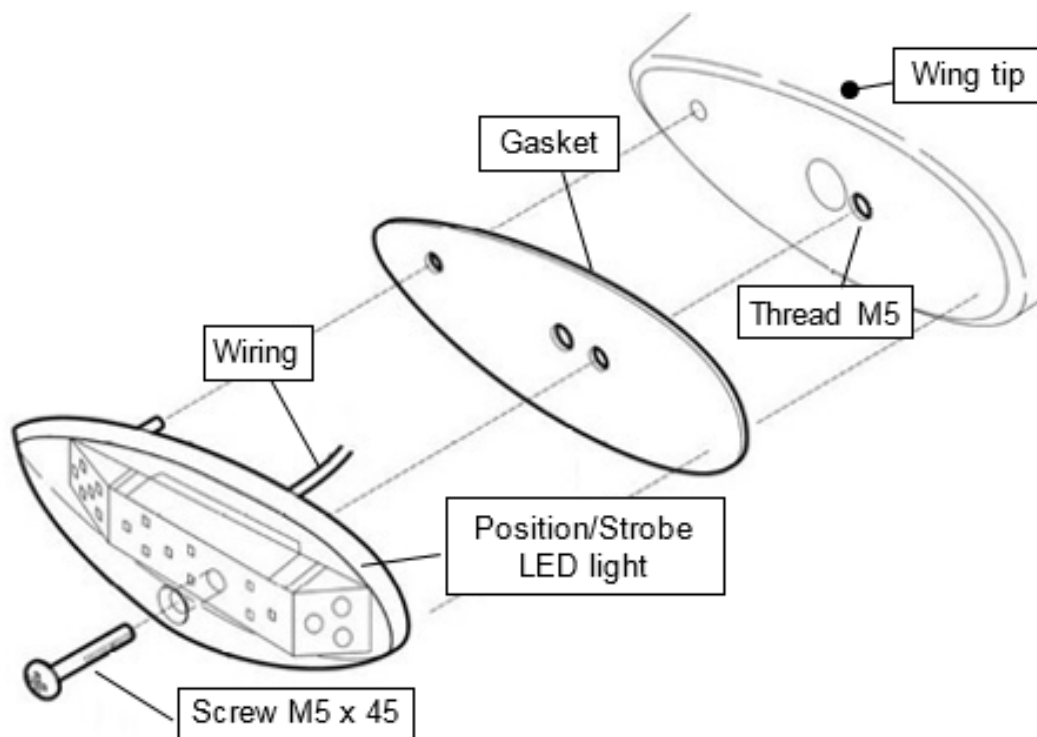
COSTS:

To be covered by the airplane owner / operator.

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No.: SB-CR-041		Rev.: -
Date: 2018-09-12		Date: -
Page: 3 of 4		

ACCOMPLISHMENT INSTRUCTIONS:

Fig.1: Position / Strobe LED light removal / installation
(Illustrative scheme)



1 Position / Strobe Light removal

- 1.1 Move the airplane to a suitable place to perform the work.
- 1.2 Remove the Position/Strobe LED light and disconnect the wiring, see the CR-MM-1-0-00, chap. 11.3.4, last revision (use a heat gun carefully to release the attachment screw, if needed).
- 1.3 Check the light attachment screw and identify whether the M4 or the M5 screw was used.
 - if the M4 attachment screw was used, continue with the next point 1.4,
 - if the M5 attachment screw was used, skip to the Section 2.
- 1.4 Redrill the original thread M4 by a drill bit \varnothing 4,1 mm (.161" drill size) and cut the M5 thread in the drilled hole.

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		No.: SB-CR-041	Rev.: -
		Date: 2018-09-12 Page: 4 of 4	Date: -

2 AVE-WPSTR/G-64T Mod (3) Position/Strobe LED light installation.

Attention: The AVE-WPSTR-64T Mod (3) **Red** light must be installed on the **left wing tip!**
 The AVE-WPSTG-64T Mod (3) **Green** light must be installed on the **right wing tip!**

- 2.1 Install the Position/Strobe LED light according to the CR-MM-1-0-00, chap. 11.3.5, last revision.
 Use crimping technology for wiring connection. Do not use solder joint. Insulate the wiring connection with insulating shrink tube. Use Loctite 243 (or equivalent thread locker adhesive with medium bond strength) to secure the attachment screw.
- 2.2 Perform functional test of the new Position/Strobe LED lights. Switch MASTER, NAV L and STROBE to ON and verify, that all LED lights are alight and coloured correctly.
- 2.3 Complete the aircraft records (log book) to reflect compliance with this bulletin.

APPROVAL:

This SB was approved by:

Title	Head of the Design Organisation	Airworthiness Manager
Name	Jiří Konečný	Miroslav Koukal
Hand written signature		