

SUBJECT:

This document describes the alternative method of connecting brush block assembly P/N:066-5300, as a replacement for brush block assembly P/N:P3560-7, where there are not 4 conductors leading from the timer to the brush block, but only 2.

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I. GENERAL

- A. Brush block assembly replacement is not considered as periodic maintenance. It is carried out only in case of damage, or malfunction of the original brush block assembly.
- B. In addition to this document use Propeller Installation and operational manual E-1500.
- C. The user is responsible for maintaining the current status of this document according to the changes made. A valid revision of this document is freely available at www.aviapropeller.com.

II. NOMENCLATURE

The **brush block assembly** consists of a Brush assembly, bracket and fasteners.



Fig.1 Brush block assembly P/N:066-5300



Fig.2 Brush block assembly P/N:P3560-7

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The **connecting cable** consists of a cable and ring terminals.

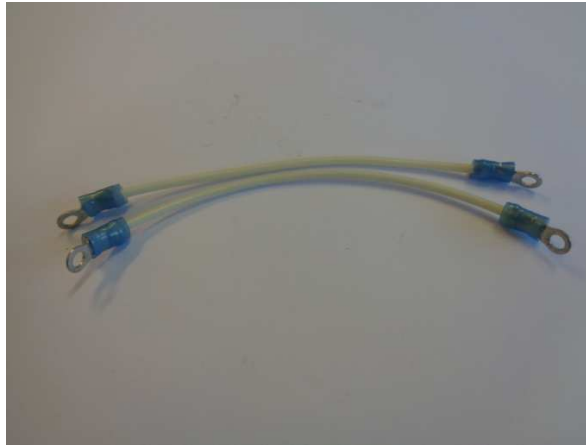


Fig.3 Connecting cables

III. LIST OF TOOLS

Cross screwdriver - type PH2 for disassembly/assembly of safety screws in the brush blocks.
Crimping tool for crimping the ring terminal onto connecting cables.

IV. CONNECTING CABLE

We need 2 connecting cables to connect the brushes of the brush block. The cables should not have a diameter smaller than 1.5mm^2 (e.g. SiFF 45505 from the company Helukabel) and the ring terminals should be suitable for the specific diameter of the used cable (e.g. P/N320619 from the company Tyco Electronics).

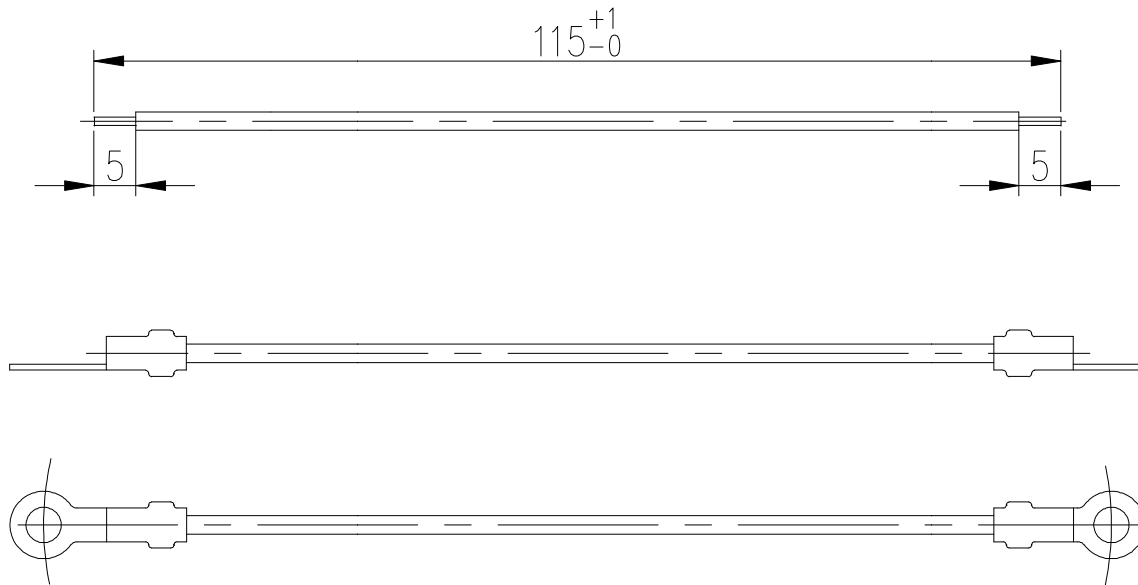


Fig.4 Connecting cables - preparation

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V. INSTALLING CONNECTING CABLES ONTO BRUSH BLOCK ASSEMBLY

Unscrew 4 screws from the brushes using a screwdriver. Insert ring terminals of the cables in a A-A and B-B sequence. Insert and tighten the removed screws.



Fig.5 Removed screws

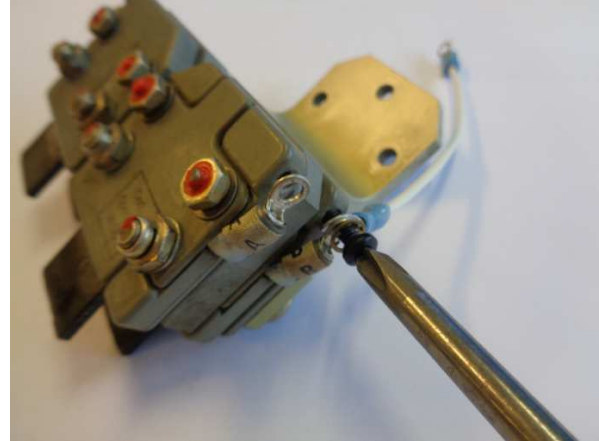


Fig.6 Installation of connecting cables



Fig.7 Brush block assembly P/N:066-5300 with connecting cables

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