



THE AIRPLANE FACTORY (Pty) Ltd, Registration no 2002/022837/07
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SERVICE BULLETIN

#0007

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The Airplane Factory (Pty) Ltd. Considers Compliance with all Service Bulletins Mandatory

RELEASE DATE: 07/09/2015

EFFECTIVE DATE: 07/09/2015

SUBJECT: MASTER Switch

MODELS AFFECTED: Sling LSA, Sling 2, Sling Taildragger and Sling 4.

COMPLIANCE TIME: Next Major Periodic Inspection

PURPOSE: Verify the correct Master Switch has been installed.

PARTS/EQUIPMENT LIST:

- 1 x Phillips / Star point screw driver
- 1 x Crimping pliers
- 2 x Yellow 4mm ring terminal
- 1 x 50 amp Master Switch
- 1 x 50 amp Circuit Breaker
- 1 x 9/16 spanner to remove the nut on switch.
- 1 x Side cutter

INSTRUCTIONS:

1. With reference to figure 2, if the master switch looks like this master switch, it needs to be replaced.
2. With reference to figure 3, if the master switch looks like this, it is correct and this service bulletin does not apply, but an entry should be made into the airframe logbook.
3. The recommended amperage for the master switch is 50 amps.
4. For the removal of the master switch, using the 9/16 spanner, remove the hexagonal shaped nut to allow the switch to be pushed out the back of the dashboard. Refer to figure 1 for the nut to be removed.



Figure 1

5. With reference to figure 2, unplug wires 1 & 2 from the switch.
6. Figure 2 has the incorrect installed switch should the aircraft have an external alternator installed.

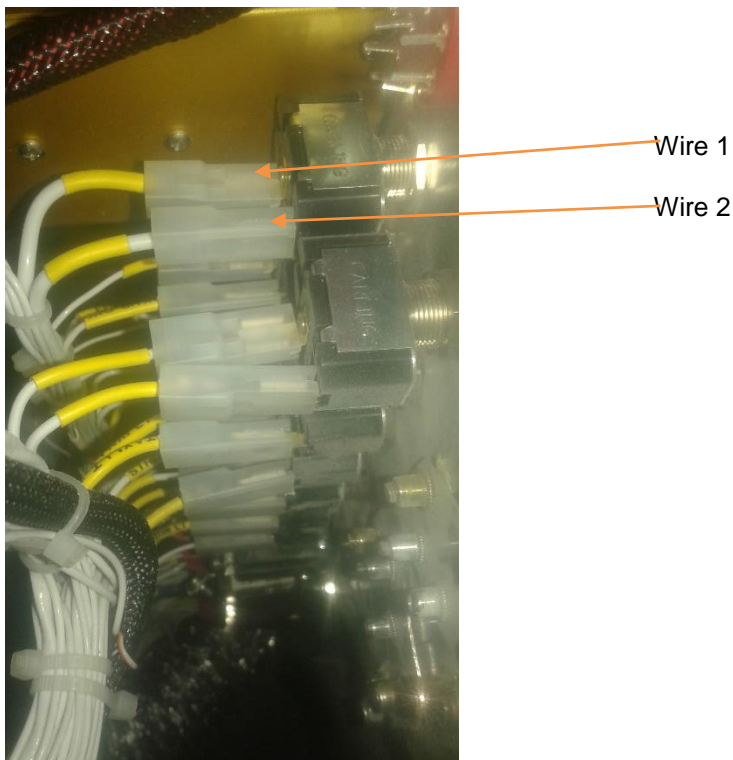


Figure 2

7. Once the two wires has been disconnected from the switch, using the side cutters, cut off the two female connector pins from the two wires.
8. Using wire strippers strip 5mm of the Teflon insulation of the wire off from the end of the wire.
9. Using a crimping tool, crimp the yellow 4mm terminal ring onto the 5mm of exposed wire. Do this for both wires.
10. With reference to figure 3, tighten the screw, spring washer and 4mm yellow terminal rings to the master switch



Figure 3

11. Push the switch back through the hole so that the toggle of the switch is positioned as follows:
 - a. Off – the toggle should be pointing down
 - b. On – the toggle should be pointing up
12. Using the 9/16 spanner, tighten the hexagonal nut over the master switch so as to hold it in place firmly.

Please Note:

Notification of this service bulletin needs to be sent to the Airplane Factory (Pty) Ltd.

Please make use of the following contact details:

Airworthiness@airplanefactory.co.za

