INSTALLATION INSTRUCTIONS FOR

Brass bolt at Shunt

Aircraft Manufacturer: DG Aviation GmbH

Aircraft Model(s): LS8, variant LS8-e

Aircraft Serial Number: all

Issue	Reason for Issue	Affected pp.	Date of issue
01.a	Initial Issue	all	12 Feb. 2025

Issued (EI)	E. Scharf	Checked (MPI)	J.B. Wassenaar	Approved (MPL, i.V.)	J.B. Wassenaar
Date	12 Feb. 2025	Date	03 Mar. 2025	Date	03 Mar. 2025

1. DESCRIPTION:

These instructions describe the work required to replace the bolts on the shunt. The brass bolts should be replaced with steel bolts.

2. INSTALLATION APPROVAL:

This minor change, as described in TM8027, is approved under the privilege of DOA EASA.21J.780 on 03 Mar. 2025.

3. WORKING INSTRUCTIONS

Prior to starting the work, read the entire installation instructions carefully and follow the instructions. Precautions must be taken to protect health and environment safety.
Caution: Prior to starting the work on the electrical system, disconnect the FES batteries. Avoid any risk of electrical shock!

The luggage compartment area of the LS8-e contains components of the electric propulsion, including the shunt for measuring the current (see Figure 1).

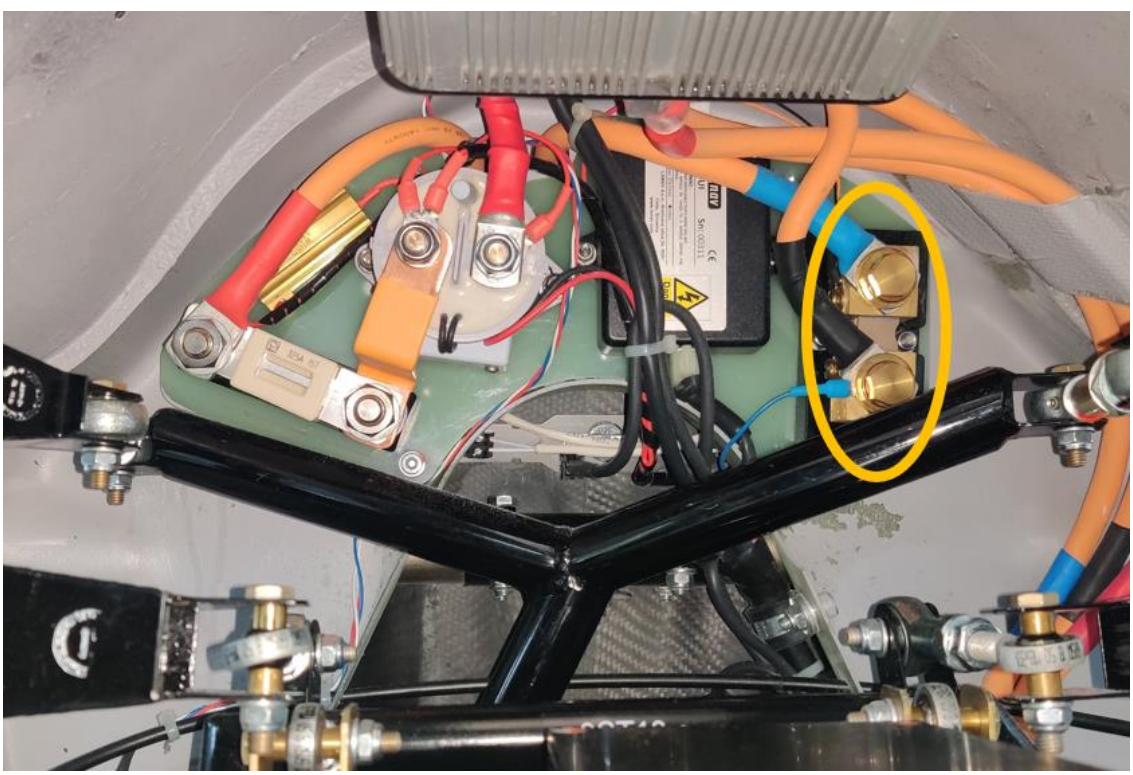


Figure 1: luggage compartment LS8-e

Unscrew both brass bolts (3/8"-16 UNC, width across flats 9/16") (see Figure 2) and clean the internal threads of the shunt.
Apply thread locking adhesive (LOCTITE 243 – blue) to the internal threads.
Caution: When applying LOCTITE, make sure no LOCTITE can flow between the shunt and any of the cable lugs. Do not use too much of LOCTITE.
Clean hexagon head bolts 3/8"-16 UNC and put a SCHNORR safety washer VS10 ZN on each bolt. Ensure that the safety washers are correctly aligned (see also Figure 3) Screw all the cable lugs to the shunt as before, do not use any additional washers. Tighten the bolts with a torque of 17 Nm (resp. 12.5 ft-lbs).

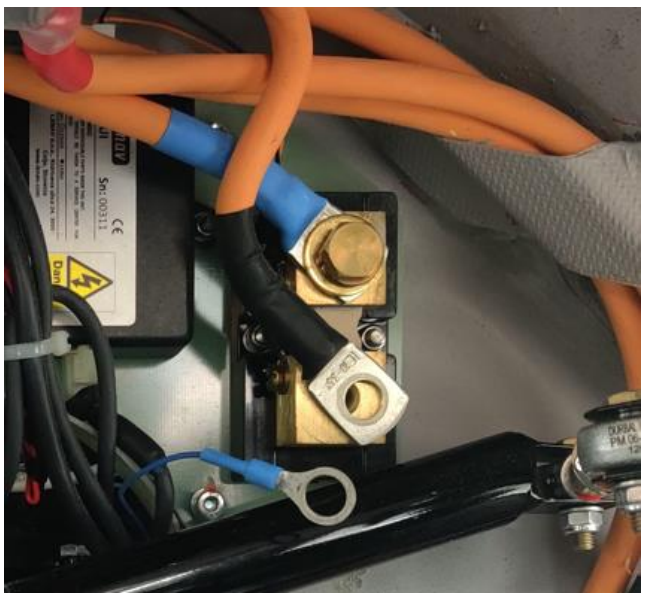


Figure 2: Brass bolt at Shunt

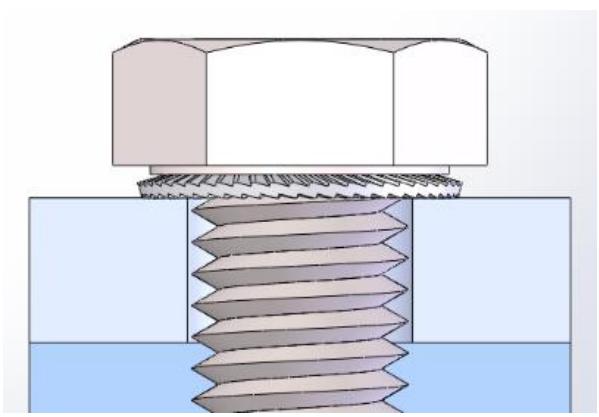


Figure 3: correct alignment of the safety washer

4. MATERIAL LIST

Article no./ Part no.	Designation	Quantity
41380051	Hexagon head bolt 3/8"-16 UNC x 3/4" 8.8 ZN	2
52090031	SCHNORR safety washer VS10 ZN	2
	Thread locking adhesive (LOCTITE 243)	as required

5. PUBLICATIONS AFFECTED:

TM8027 FE-29-01-01 Technical Note

6. ACCOMPLISHMENT INSTRUCTION

Description of Work	Performed by:

Installation and Installation Inspection performed accordingly:

Date: _____

Certifying Staff:

_____ _____

Name Signature