



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

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Maintenance Organisation AMO1264

Manufacturing Organisation - M677

SERVICE BULLETIN

#0011 Revision 1

Page 1 of 6

(The Airplane Factory (Pty) Ltd. considers compliance with all Service Bulletins mandatory)

NOTE: THIS SERVICE BULLETIN REPLACES SERVICE BULLETIN #0011 (REVISION 0) AND SERVICE NOTIFICATION #0002 IN THEIR ENTIRETY

SERVICE BULLETIN #0011 (REVISION 0) AND SERVICE NOTIFICATION #0002 ARE ACCORDINGLY CANCELLED WITH EFFECT FROM 19/08/2025.

RELEASE DATE:	19 August 2025
REASON FOR REVISION 1:	Update to list of affected models
EFFECTIVE DATE:	26 July 2017
SUBJECT:	Repositioning and cooling of B regulator on Rotax 912iS engines
MODELS AFFECTED:	All Sling Aircraft installed with Rotax 912 iS engines before the effective date (26/07/2017)
COMPLIANCE TIME:	Next 200 hours or 6 (Six) months whichever comes first
LABOUR TIME:	1.5 hours
MATERIAL COST AND RESPONSIBILITY:	The Airplane Factory

DESCRIPTION AND PURPOSE:

The Service Bulletin requires the B regulator of the Rotax 912iS engines to be relocated and fitted with a heatsink.

In most installations of the fuse box where insufficient airflow is present, there is a possibility that the B regulator and the associated wires will get too hot and may exceed the manufacturers temperature specifications.

This could cause the failure of the B regulator and its wiring harness thereby rendering regulator B inoperative, which will cause the battery voltage to reduce and may cause the panel instruments to switch off.

Note: Please note that the attached pictures are for information purposes only and may not reflect your exact installation. If there is any confusion or questions that you may have regarding this installation, please contact The Airplane Factory technical department

Directors M Blyth, A Pitman, J Pitman

PARTS AND CONSUMABLES LIST:

- a) Heat transfer paste;
- b) 2 x 18mm P clamps;
- c) 2 x 6mm i/d x 30mm Aluminum bushes required for attachment to P clamps; d) 2 x M6 x 50 plated bolts;
- e) 2 x M6 nylock nuts;
- f) 1 x 100mm x 98mm heat sink;
- g) 8 x Cable ties;
- h) 12-gauge earth strap;
- i) 2 x M6 washers;

TOOLS REQUIRED:

- a) ¼" Ratchet;
- b) 8mm Socket;
- c) 10mm Socket;

INSTRUCTIONS:

For repositioning of the regulator, the following should be done:

1. Remove regulator B from the fuse box using the appropriate tools;
2. Unplug the Deutsch plug from the regulator;
3. Fit the regulator and the supplied 12-gauge earth lead to the heatsink with the supplied M6 bolts, aluminium spacers, P clamps, washers and M6 nuts. Refer to the exploded view on figure 7 drawing for reference.
4. Fit the assembled heatsink regulator to the engine frame as per the attached drawing marked figure 7;
5. Attach the supplied 12-gauge lead to the 6mm mounting stud on the fuse box and ensure that a zero-resistance connection is made;
6. Re-attach the Deutsch plug connector;
7. Ground run the engine and verify that the charging voltage on the battery is correct.

Signed on this the 19th day of August 2025



ACCOUNTABLE MANAGER

MR JAMES PITMAN

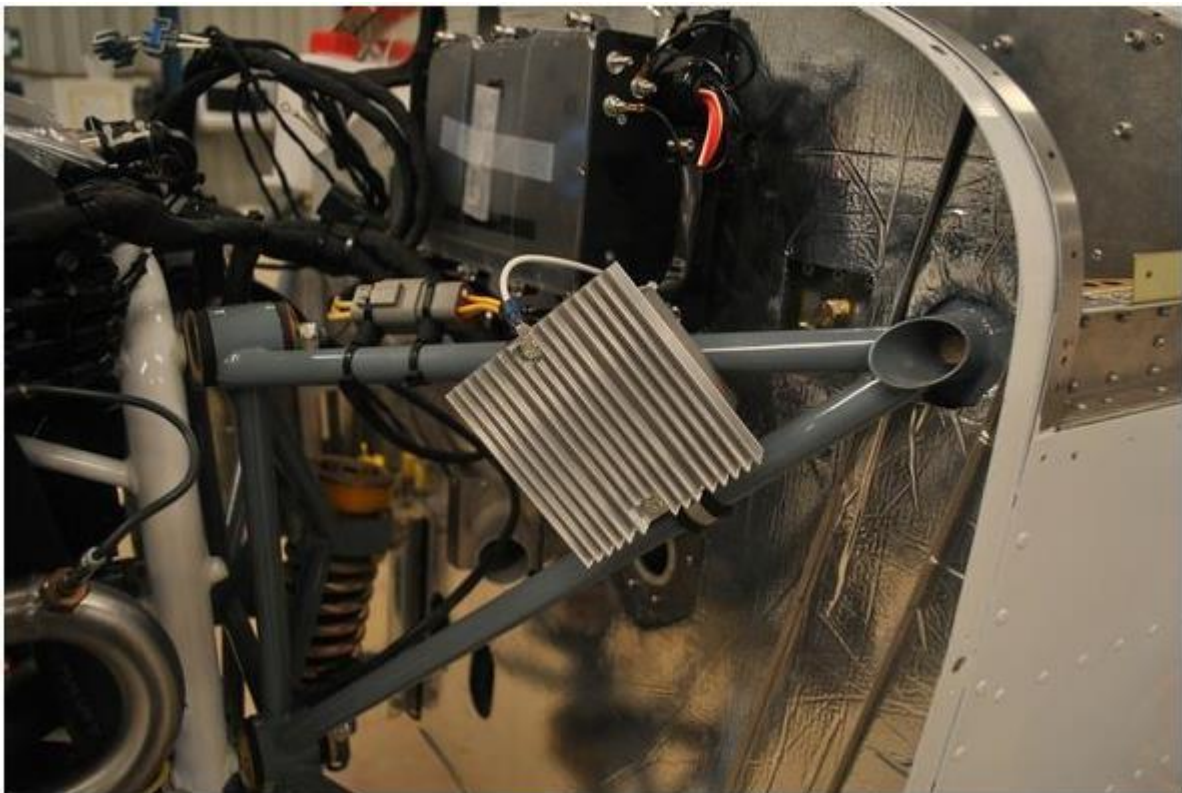


Figure 1

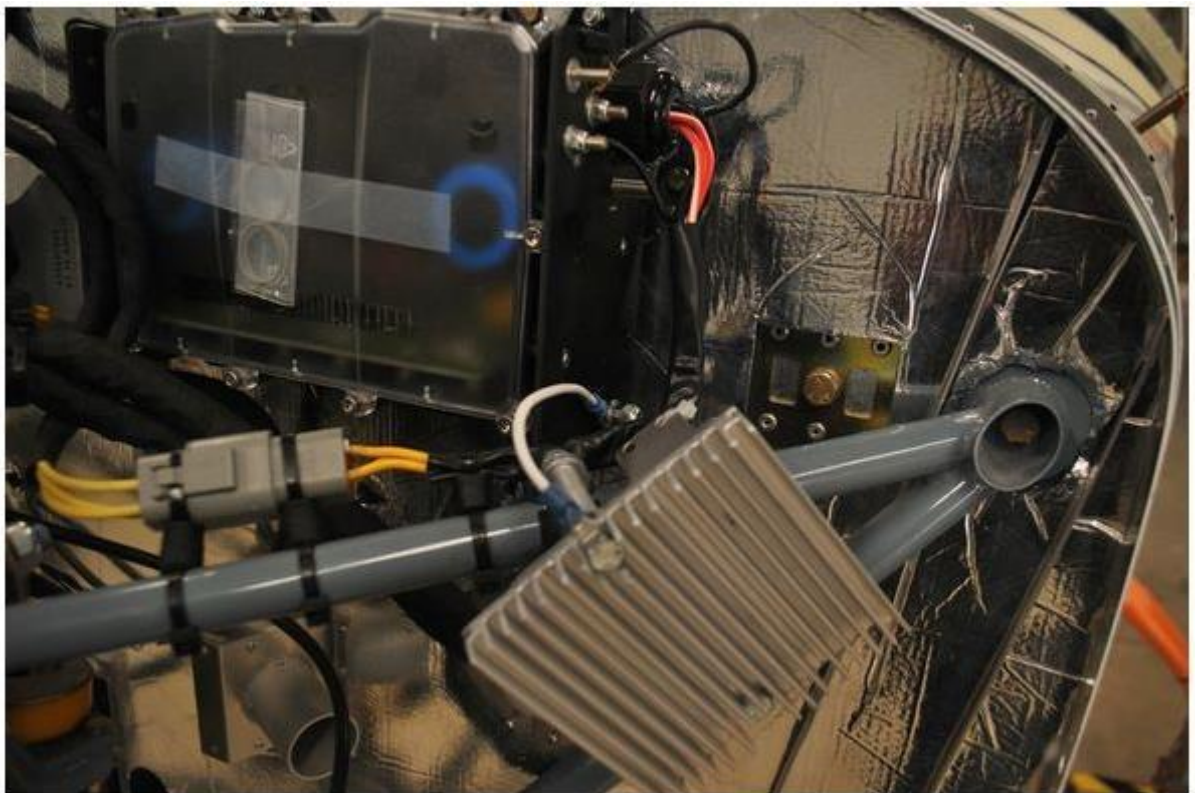


Figure 2

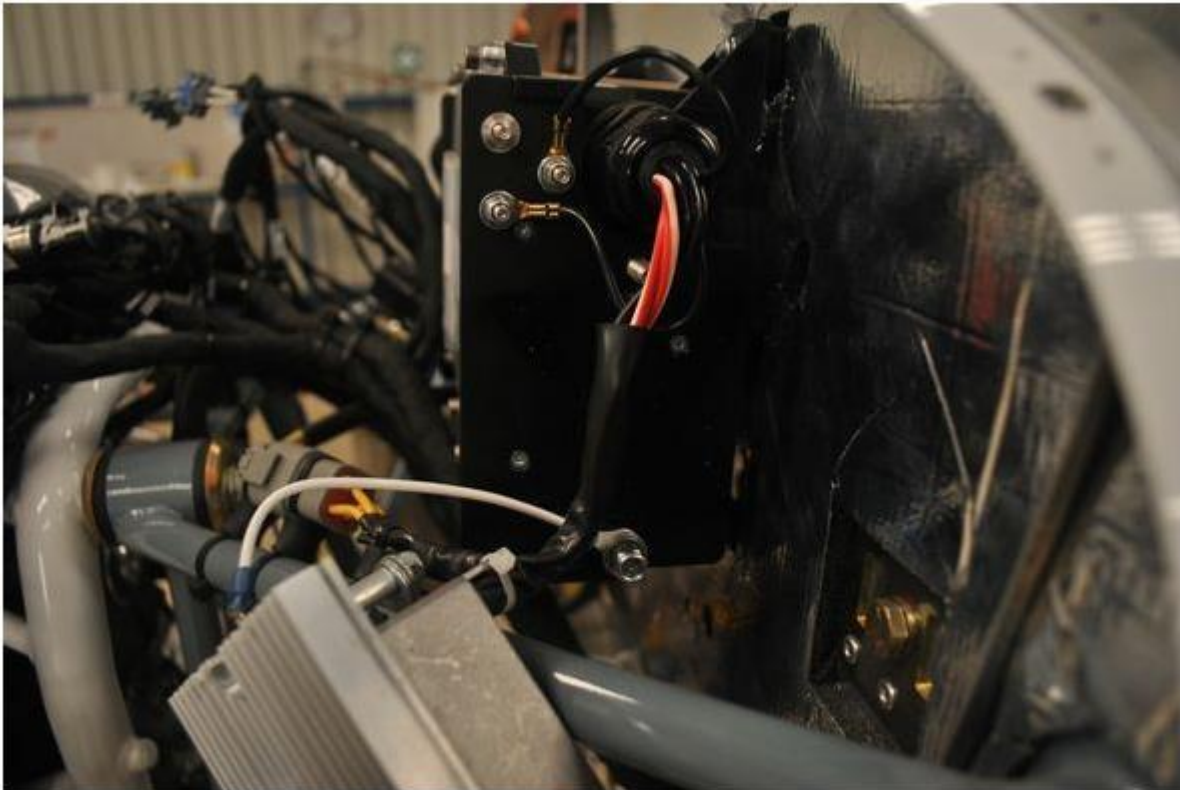


Figure 3

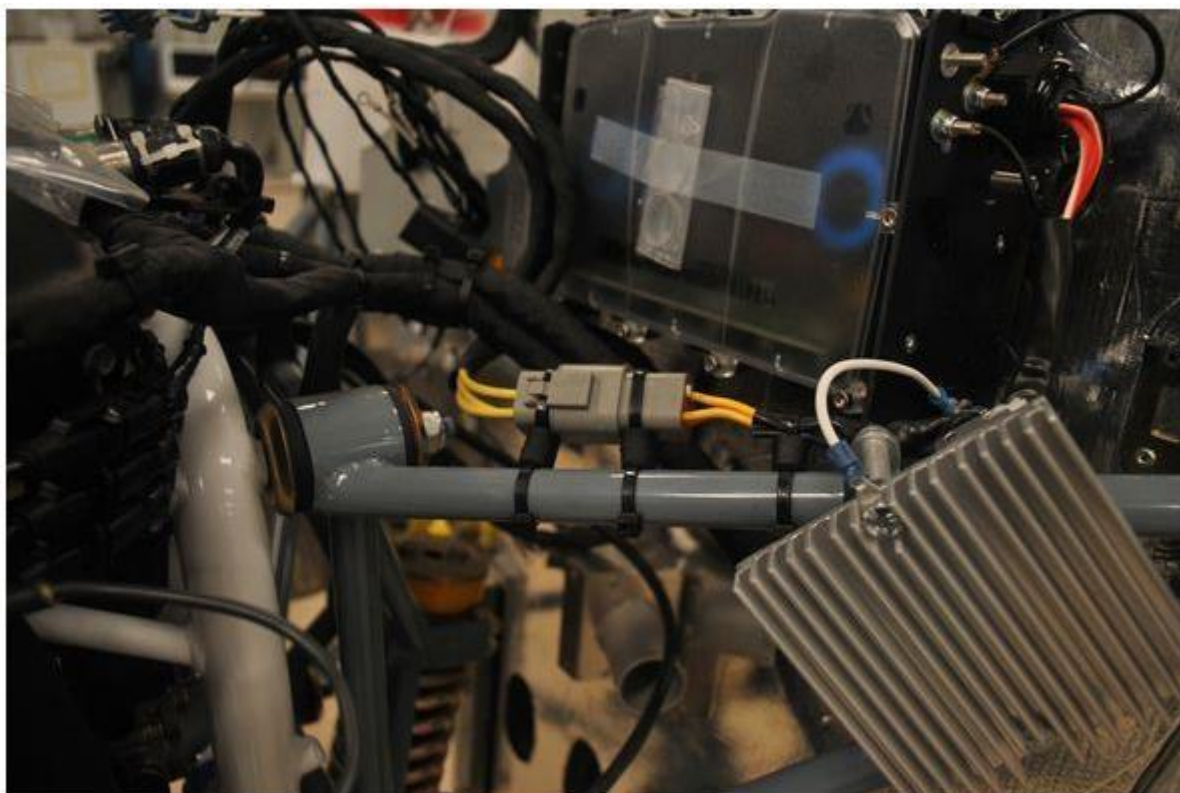


Figure 4

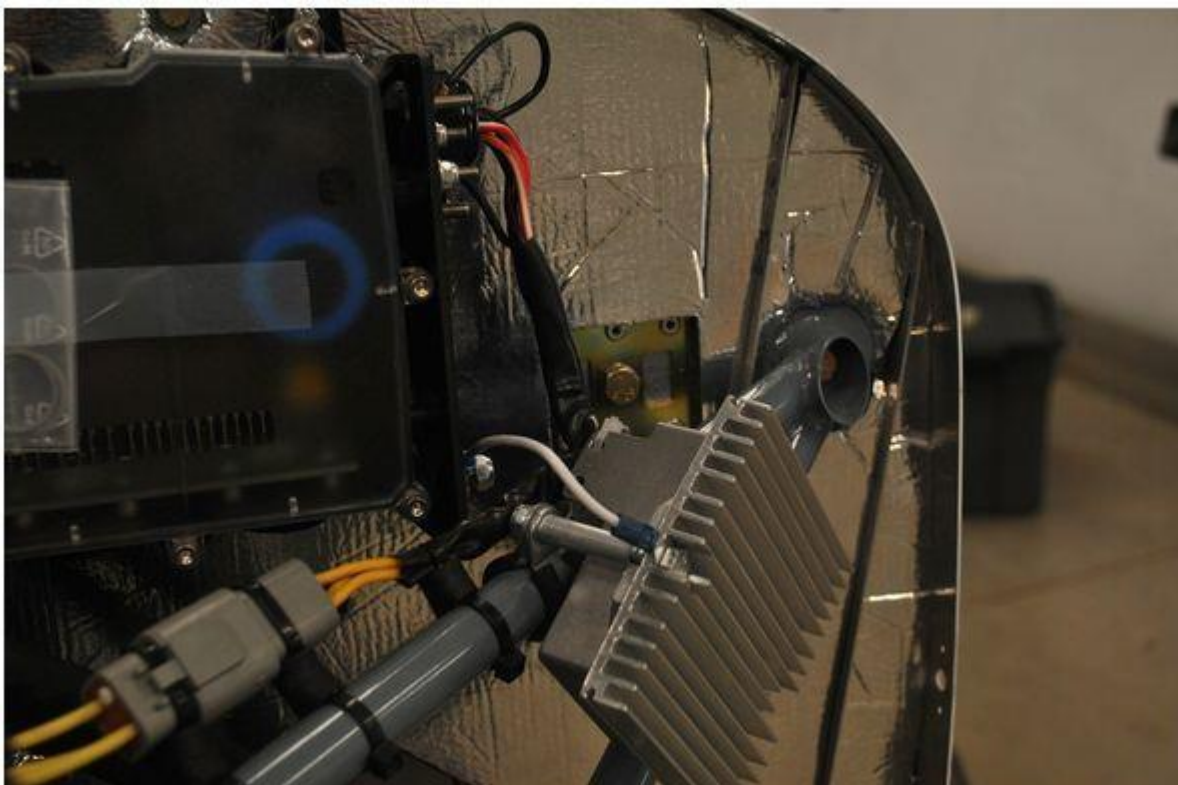
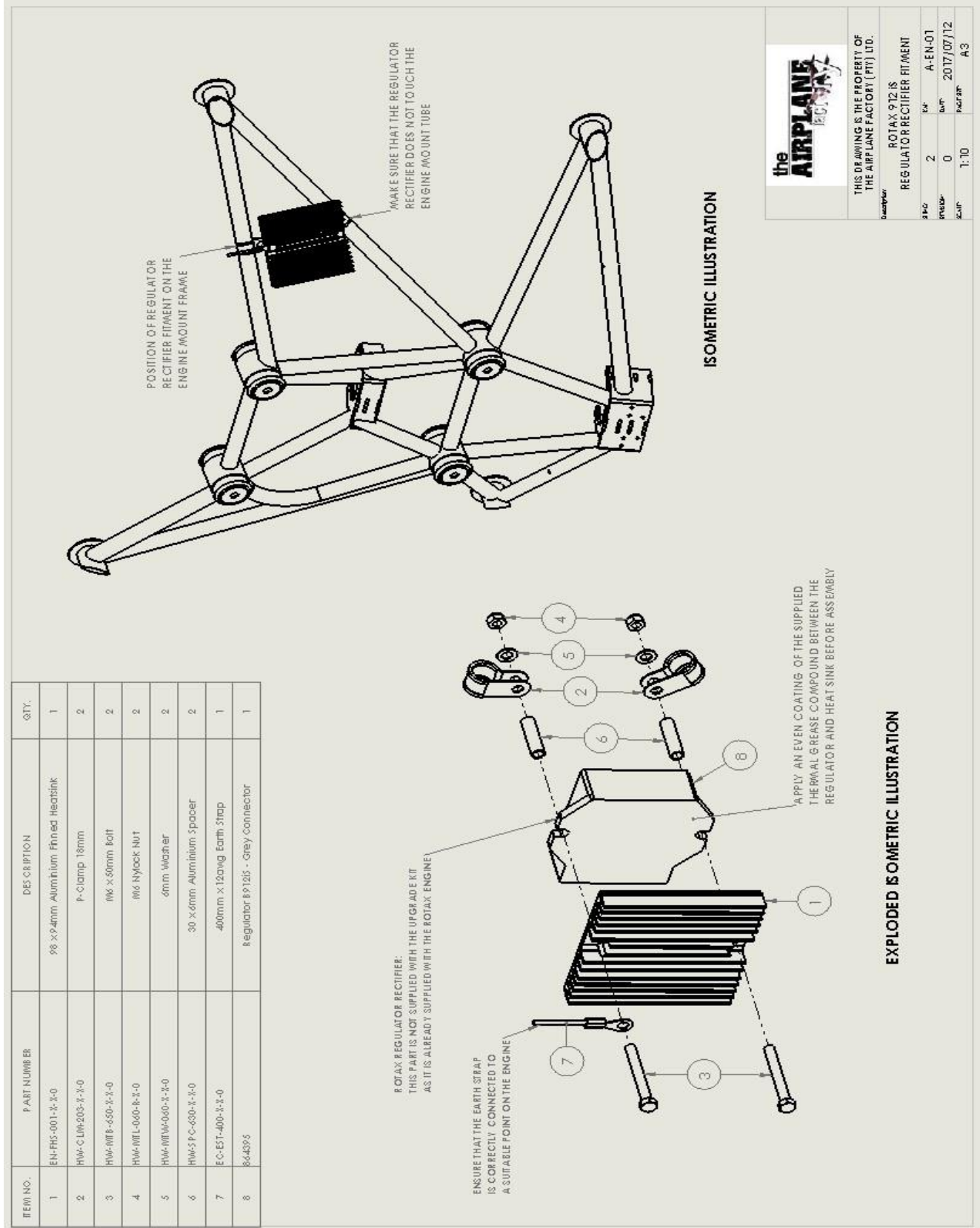


Figure 5



Figure 6



THIS DRAWING IS THE PROPERTY OF THE AIRPLANE FACTORY (PTY) LTD.			
Customer	ROTAX 912 IS REGULATOR RECTIFIER FITMENT		
3 RD	2	EN	A-EN-01
REVISED	0	DATE	2017/07/12
SCALE	1:10	PAGE NO	A-3

Figure 7