



E-POWER NOISE SUPPRESSION KIT INSTALLATION GUIDE

Version 1.0 | April 2025

1 INTRODUCTION

When installed correctly, the Integral E-Power noise suppression kit minimises electrical noise while the Integral E-Power system is powered on and generating power.

NOTE! The noise suppression kit will NOT reduce electrical noise when the Integral E-Power system is powered off.

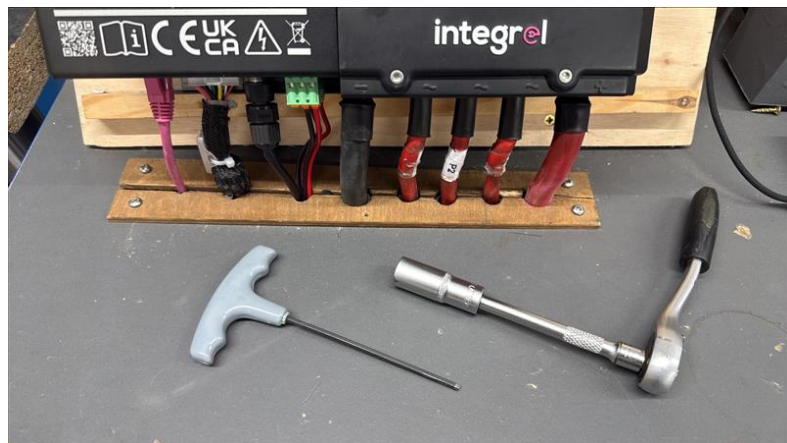
1.1 INSTALLATION

This guide demonstrates how to install the E-Power noise suppression kit to the E-Power Controller. On boats with a dual Integral E-Power system, a noise suppression kit should be installed on both the port and starboard E-Power Controllers.

Prior to installation, the Integral E-Power system MUST be powered off and the Controller disconnected from the 48V battery bank (typically achieved by opening the Integral Smart Switch).

TOOLS REQUIRED

- 3mm hex key
- 13mm socket / wrench



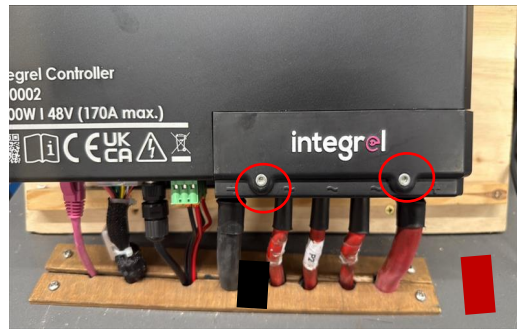
HARDWARE REQUIRED

- Noise suppression kit

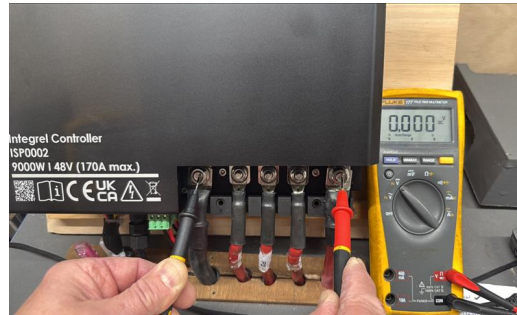


2 INSTALLATION

1. Undo then remove 2 x M5 socket head screws using the 3mm hex key; remove the terminal cover and place aside.



2. Double-check the 48V battery is disconnected from the Controller by measuring the voltage across the 48V positive and negative terminals. The voltage should measure 0V on the DC range.



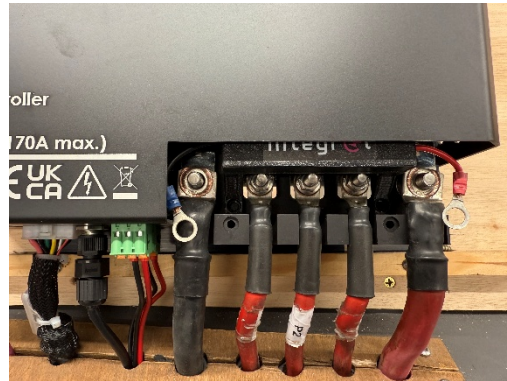
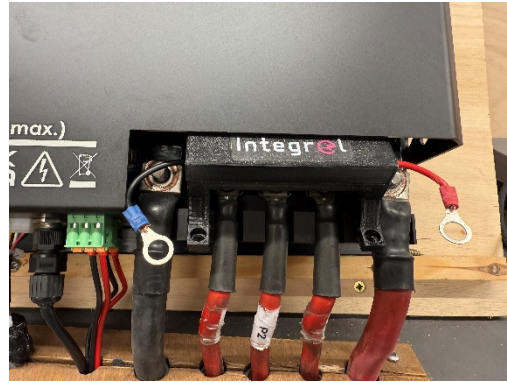
3. Undo then remove 2 x 13mm nuts; leave the cable with ring terminals on the M8 studs.



4. Undo then remove 2 x M5 socket head bolts using the 3mm Allen key



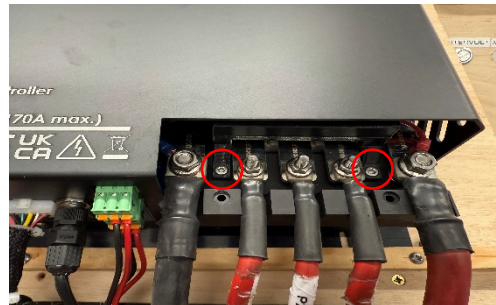
5. Place the Noise Suppression Kit as shown, then angle the back of the kit downwards until it slides under the lid.



6. Place the noise suppression kit positive (red) and negative (black) ring terminals onto the M8 studs



7. Insert and tighten the M5 socket head screws using the 3mm hex key through the suppression kit holes and back into their original holes



8. Replace the flat/spring washer and M8 nuts and tighten to appropriate torque settings



9. Reconnect the Integrel E-Power system to the 48V batteries. Power on the Integrel system and verify the system generates power correctly. Run the audio system and verify that audio noise is no longer present.



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