

BBTB Date:	20 October 2022
BBTB Number:	BBTB-094
BBTB Title:	VIGIL Eclipse4 Battery Tray
System Description:	VIGIL Eclipse4
Product(s) Affected:	VIGIL Eclipse4 with Integral Batteries
Reference:	PRCR2795
Priority:	1

- 1 - **Essential:** Action is Recommended
 - 2 - **Important:** Product Form / Fit / Function has been changed (may affect compatibility)
 - 3 - **General:** For information / reference
 - 4 - **Obsolescence:** Notification of Component or Product Obsolescence
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DESCRIPTION OF THE PROBLEM

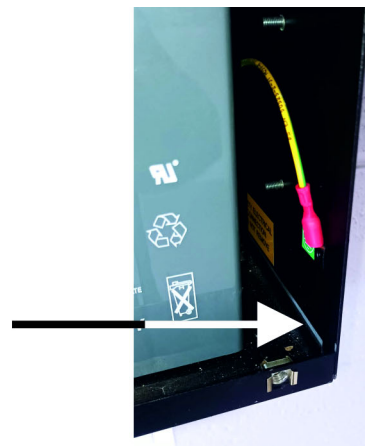
Baldwin Boxall has become aware of an issue with a very small quantity of VIGIL Eclipse4 units built between September 2019 and October 2022. There is a potential issue with the case fabrication process where the battery tray can become detached from the side panel, with the result that the front panel cannot be attached correctly.

SYMPTOMS OF THE PROBLEM

Figure 1 - Illustration of battery tray detached from Side Panel

How to identify an affected BVEC4SE4:

In this example the battery tray has detached from the side panel, identifiable as it has revealed a stripe of unpainted metalwork.



Affected units will still operate correctly however it may be noticed that the front cover retaining screws cannot be secured as one side of the battery shelf has dropped slightly as shown in Figure 1.

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Note:

This technical bulletin only applies to VIGIL Eclipse4 units with integral batteries and does not apply to installations that utilise a separate Battery Box.



Note:

This fabrication issue only affects a very small quantity of VIGIL Eclipse4 units and will most likely be evident immediately after the batteries are installed during the commissioning process.



Note:

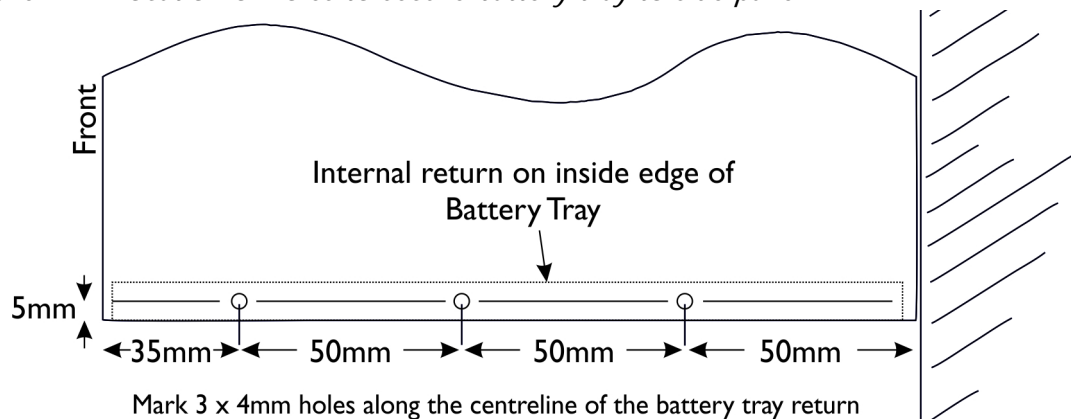
VIGIL Eclipse4 units that are already installed and successfully commissioned are unlikely to be affected by this issue.

RECOMMENDED ACTION

The recommended solution is to retrofit three additional blind rivets to each side of the battery tray. The installation process is as follows:

- Isolate the mains supply & disconnect the batteries from the VIGIL Eclipse4.
- Remove the batteries from the VIGIL Eclipse4.
- Ensure there is sufficient space either side to drill holes in the battery tray.
- Ensure the battery tray is aligned correctly with the bottom of the case and mark the position of the three 4mm holes as shown in Figure 2.

Figure 2. Location of holes to secure battery tray to side panel



CAUTION

Ensure all internal cables are moved before drilling holes - see Figure 3

Figure 3 · Disconnect ground cables from star point (if required) to prevent damage



- Carefully drill the three 4mm holes ensuring they go through the return on the battery tray as shown in Figure 2.
- Install the three blind rivets to secure the battery tray to the side panel.
- Repeat for the other side (drill holes and apply rivets).
- Replace any cables that were removed.
- Remove and clean up all swarf.
- Install the batteries and reconnect.
- Reconnect the Mains Supply.

Customer Services Contact Details

For further assistance with any aspect of this Technical Bulletin please contact:

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