

Subject: Procedure for Replacement of BIM (Battery Isolation Manager) in
the BCC (Battery Control Center) –
Date: June 11, 2013
Release: WE_BIM_Service_Replacement_V2

This document outlines the steps to be taken for replacing Wurth Electronics Part No. X50748A, also referred to in this document as the “BIM” module.

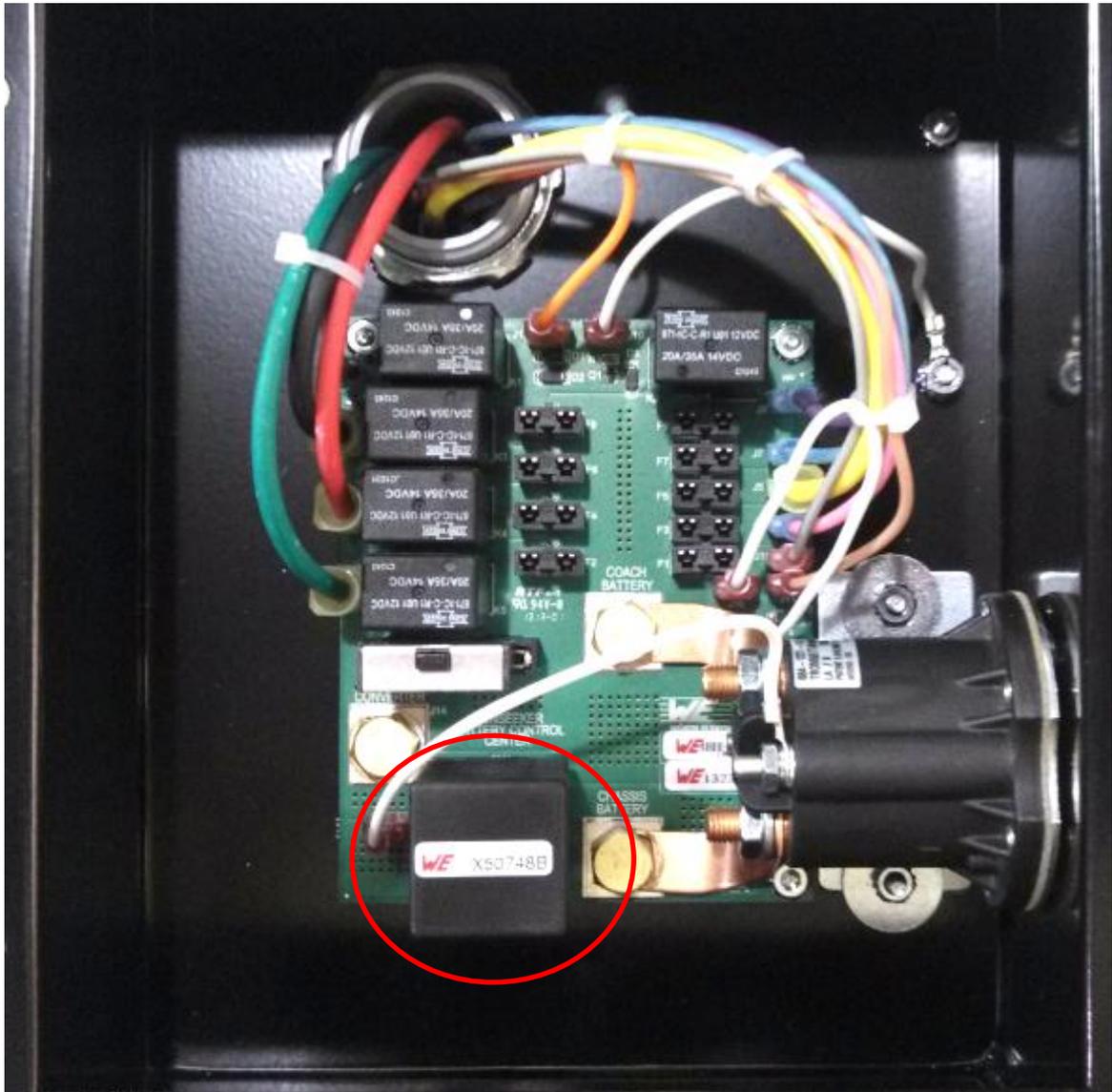
- 1.) Identify the Battery Control Center on the vehicle



- 2.) Loosen and remove the two thumb screws from the cover and set cover and screws aside



- 3.) The open Battery Control Center will then look like the image below. You can now easily identify the BIM (indicated by a red circle) at the bottom left of the Battery Control Center board.



4.) Removal of the BIM Module

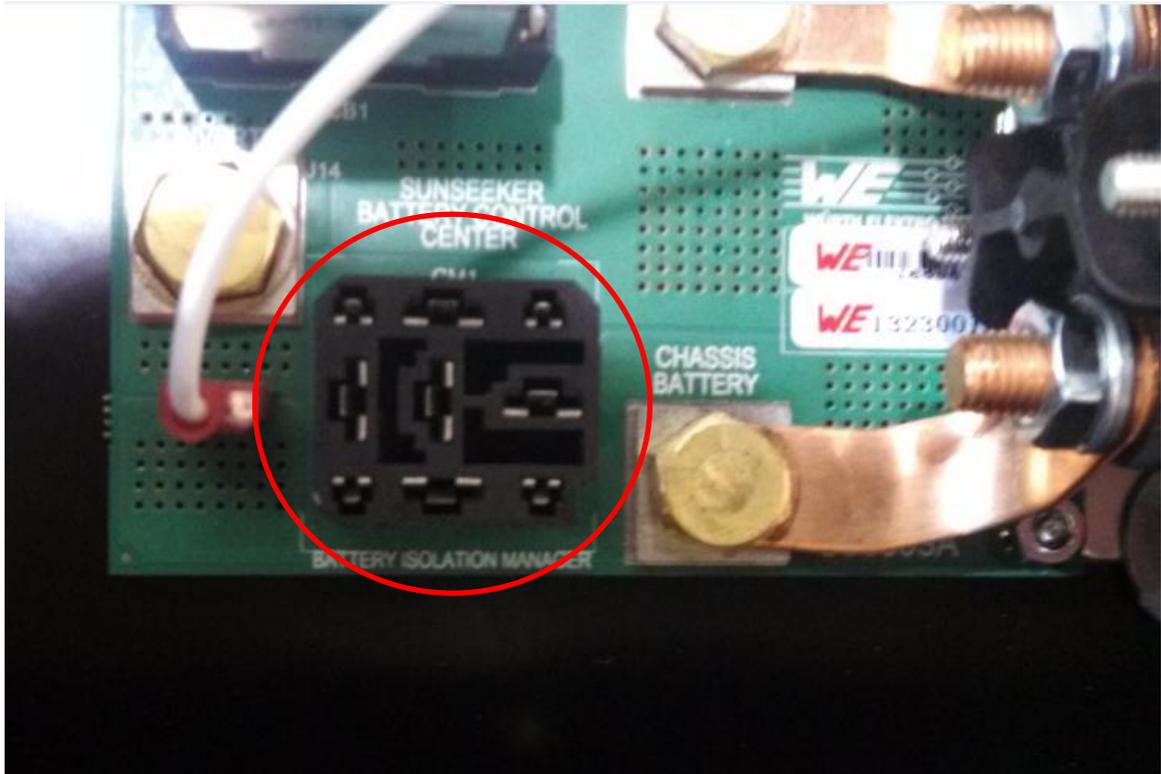
If the module part number ends with the letter "A" in the last character position it should be replaced...see the yellow highlighted character "A" below.



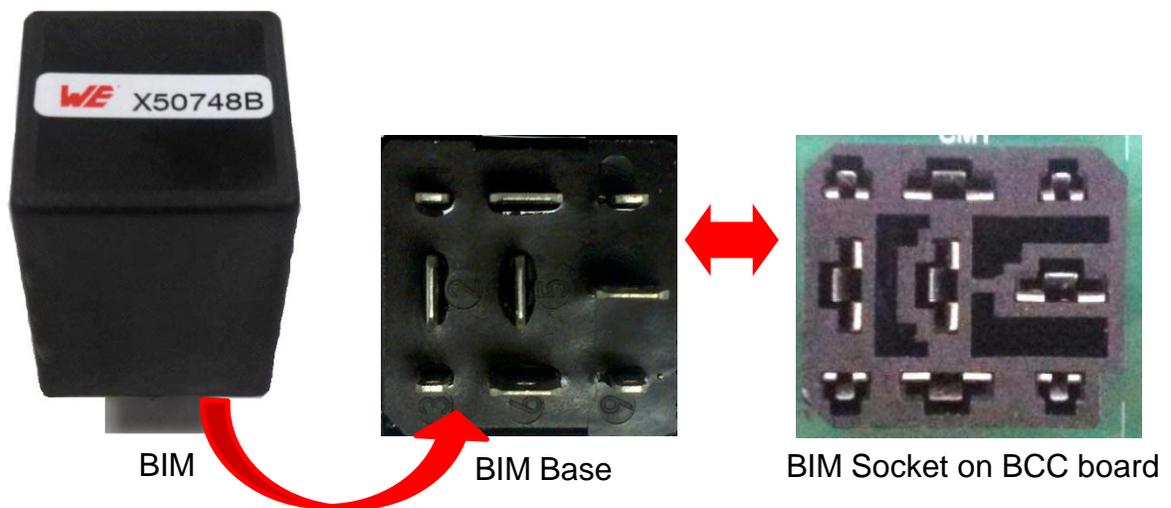
Important!

If the last character of the BIM part number is different from an "A" the module is fine and does not need to be replaced. In this case skip steps 5.) - 7.) and continue with step 8.)

- 5.) Unplug the BIM with the “A” in the last character and dispose of it. It can be treated as standard waste as it is a RoHS compliant component. The Battery Control Center board now shows the empty BIM socket.



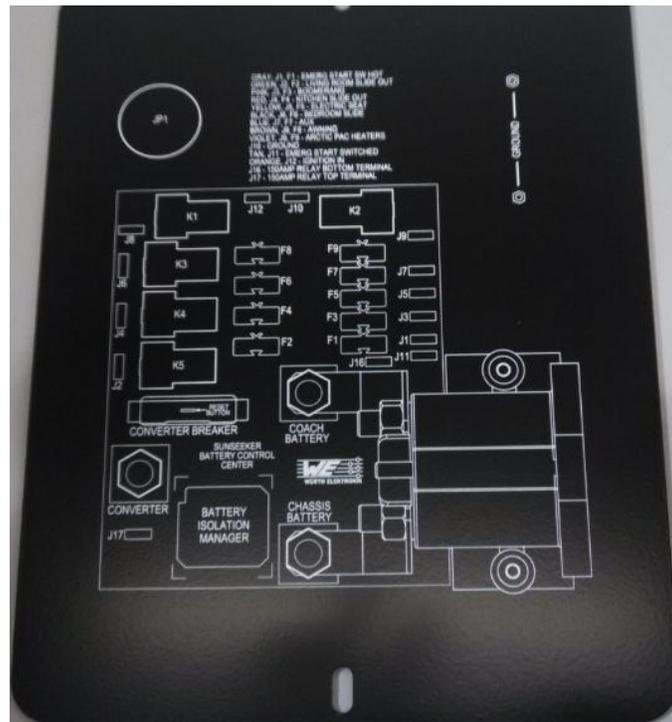
- 6.) Take the replacement BIM (does not have an “A” as the last character in the part number) and orientate the bottom interface with 9 contacts so that it matches the slot pattern of the socket in the Battery Control Center



- 7.) Gently place the new BIM into the socket. If orientations of BIM and socket match the 9 blade connectors will sit inside the socket contact openings ready for being pushed down into the socket. Now push the BIM completely down into the socket.



- 8.) Place the cover back onto the Battery Control Center. Make sure the schematic (shown below) is on the inside.



Battery Control Center – Cover / Inside Surface

9.) Secure the cover on the Battery Control Center with the two thumb screws.



The BIM replacement is complete!