

Wiring Basics HV battery

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Caution

- These are to be used as guidance and not as a direct how to
- Use the appropriate tools when working on HV
- Before commencing any work make a system safe
- If in doubt do not start work but seek advise

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Design Preferences

1. A single battery box should ALWAYS be the starting point
 - A. In some designs multiple boxes are required

Definitions

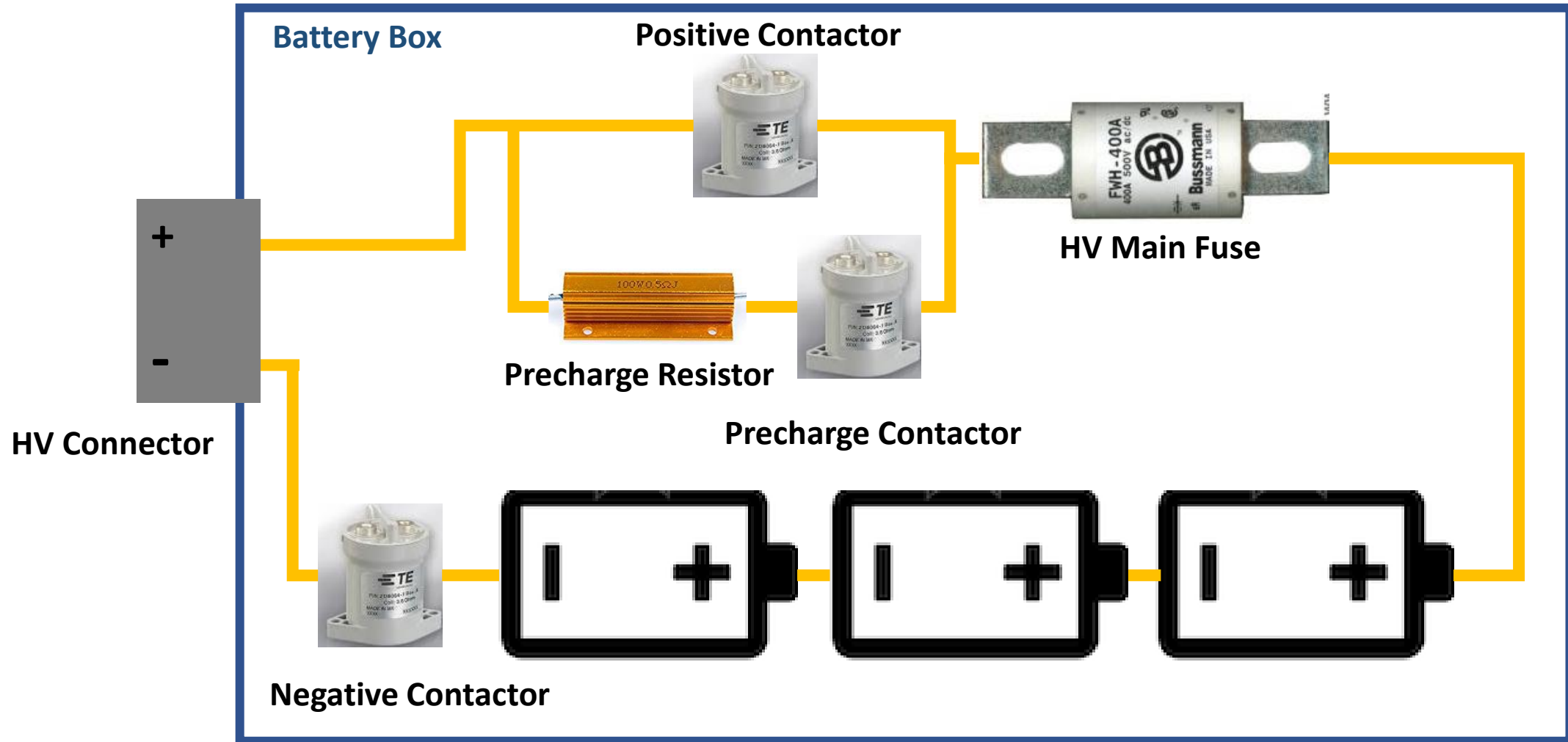
Battery Box – A structure that houses the batteries and other HV related components. Can be made up of sub assemblies, when mentioned here it refers to the assemblies as they will be installed into the vehicle.

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Design Requirements (Adhere to these)

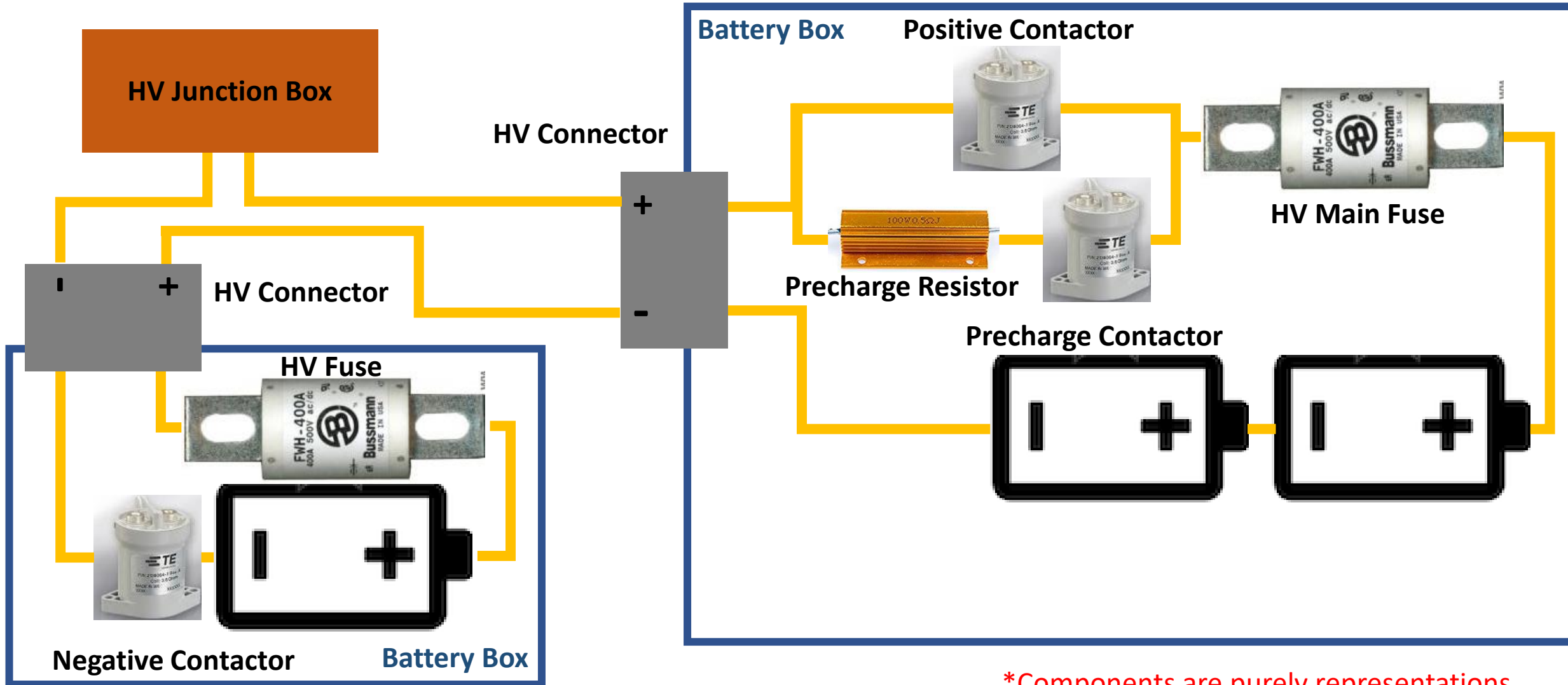
1. A fuse is fitted to every battery box, this is there to protect the HV cables running out of the box.
2. A battery box should never have two live cables coming out when being installed;
 - A. HV Contactor inside the battery box which disconnects one end of the battery
 - B. Service disconnect which can be removed and installed with the pack in place on the vehicle

Single Box - Wiring Basics HV battery



*Components are purely representations

Separate Boxes 2 - Wiring Basics HV battery



*Components are purely representations