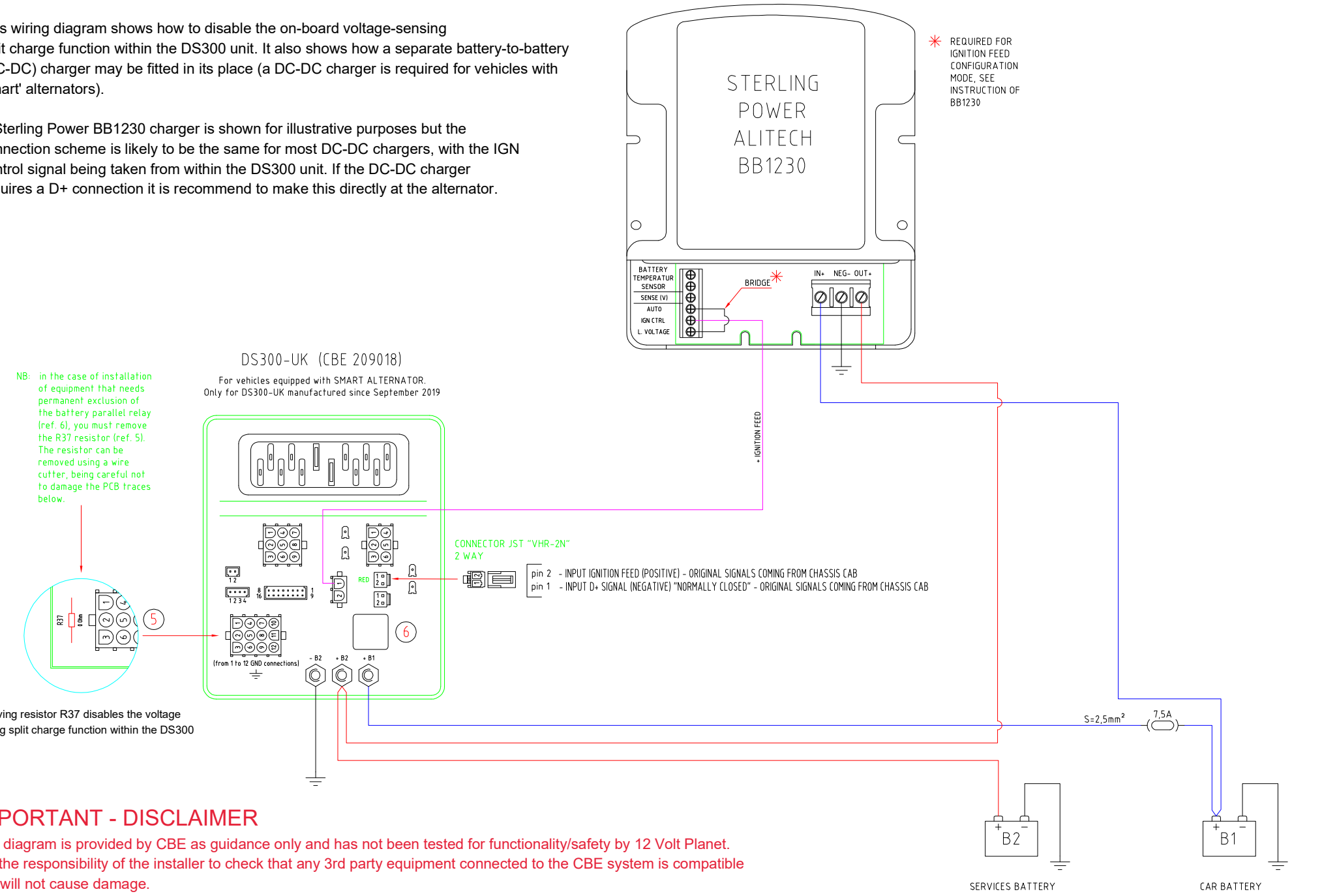
DS300 Modification For Vehicles With 'Smart' Alternators

This wiring diagram shows how to disable the on-board voltage-sensing split charge function within the DS300 unit. It also shows how a separate battery-to-battery (DC-DC) charger may be fitted in its place (a DC-DC charger is required for vehicles with 'smart' alternators).

A Sterling Power BB1230 charger is shown for illustrative purposes but the connection scheme is likely to be the same for most DC-DC chargers, with the IGN control signal being taken from within the DS300 unit. If the DC-DC charger requires a D+ connection it is recommend to make this directly at the alternator.



Removing resistor R37 disables the voltage sensing split charge function within the DS300

IMPORTANT - DISCLAIMER

This diagram is provided by CBE as guidance only and has not been tested for functionality/safety by 12 Volt Planet.
It is the responsibility of the installer to check that any 3rd party equipment connected to the CBE system is compatible and will not cause damage.