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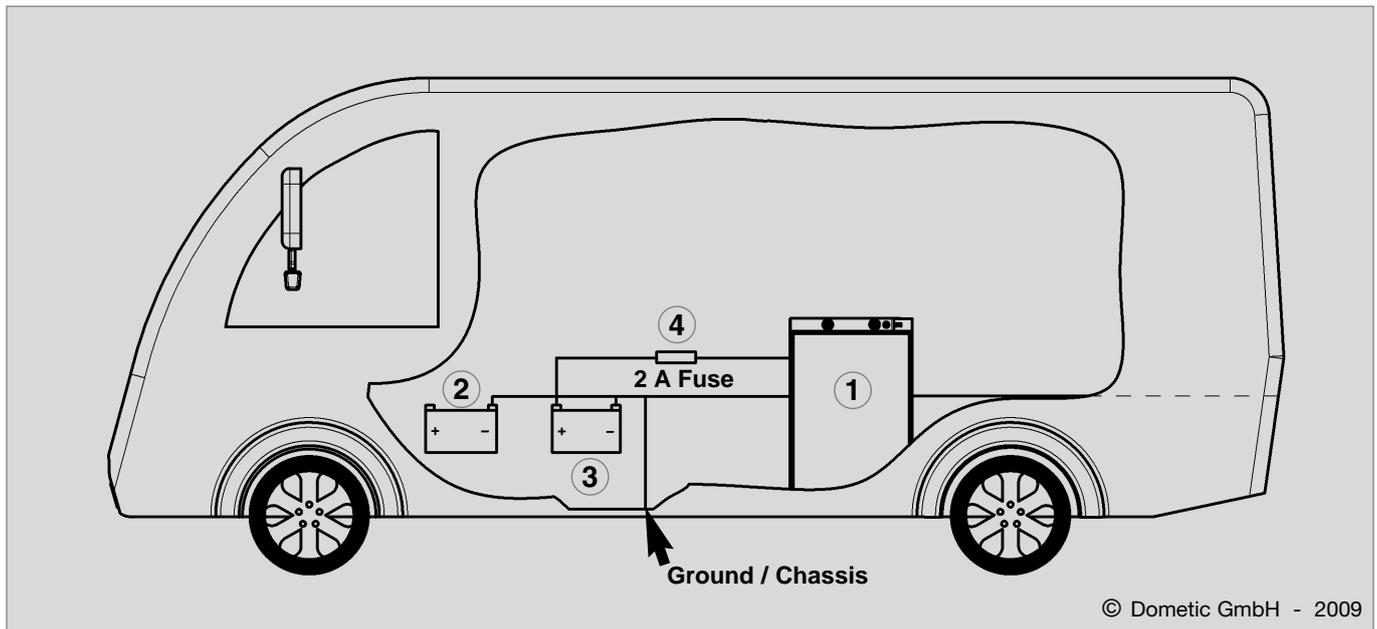


## Equipotential bonding in leisure vehicles

During the continuous process of product improvement we analyze components that lead to complaints in the market.

The result of such analysis showed, that control boards of our fridges were damaged, because of failure currents in the leisure vehicles. To avoid such damages on the above mentioned components, caused by potential differences of the grounds in the leisure vehicle, it is necessary, that a suitable equipotential bonding is installed (see also EN 1648-1, -2 clause 4.5, 4.4)!

This means, that a direct ground connection between starter battery, habitation battery and chassis (incl. gas tubes) is recommended. The resistance between the linked components shall not exceed 0.1 Ohms (see scheme 1). Additionally it is a must, that the 12 V supply to our fridge control must be secured with a 2 A fuse (see also Dometic installation manual).



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Fig. 1

- ① Refrigerator
- ② Starter battery
- ③ Habitation battery
- ④ 2Amps Fuse