

Nissan Leaf High Voltage (HV) Battery Charge Controller Fitting Instructions



Kit Contents:

- 1 x HV Battery Charge Control Module
(Configured to suit car & battery type chosen when ordering)
- 1 x Custom Wiring Loom
- 1 x Anodised Aluminium Mounting Bracket
- 2 x M5 16mm Button Head Screws
- 1 x M6 25mm Button Head Screw
- 1 x M6 Washer
- 1 x Retaining Clip
- 2 x 200mm Cable Ties
- 1 x Plastic swivel mount

Tools required:

- 1 x M3 Hex Key
- 1 x M4 Hex key
- 1 x 10mm Socket and Wrench
- 1 x Small pair of side cutters

Also Required:

- Thread Locking Compound

Thank you for supporting EVs Enhanced with your purchase. This HV Battery Charge Controller kit allows you to set the AC Charge Limit for your Nissan Leaf 2016 model year onward. For product support, please contact your reseller.

Important Safety Message:

Electric Vehicles use high voltage which is potentially dangerous. Ensure that all appropriate safety equipment is used and safety precautions are followed when operating around high voltage.

Before installing your new HV Battery Charge Controller:

Before beginning installation, use a scan tool such as LeafSpy Pro to ensure no DTC fault codes are present. Also ensure that your vehicle is updated with the latest Vehicle Control Module and On Board Charger firmware. This guide illustrates how to correctly mount and install the HV Battery Charge Controller. Disconnect the 12V battery, then disconnect the battery communications connector leaving all HV connectors connected. These must remain disconnected during the installation of your HV Battery Charge Controller.

1. Fit Translator Mounting Bracket.

1a. Remove the 10mm bolt holding the HV Battery Cable Support bracket.



1b. Align the mounting bracket and fix in place using the supplied M6 button head screw and washer with thread locking compound at the bottom then insert the retaining clip up top.



2. Mount Charge Controller to the bracket using a thread locking compound with the 2 x supplied M5x16mm screws ensuring the translator connector is facing the rear of the vehicle.



3. Fit the supplied wiring harness making sure no cable strain exists and all connectors are clipped firmly in place. Fix wiring harness in place to the top of the HV Cable using the supplied wiring support and 2 x cable ties as per below images, trim off cable tie excess using side cutters taking care not to damage any wiring.



4. Refit under trays and Reconnect 12V Battery.

5. Congratulations! Install is now complete. Your new Charge Controller is set to 100% by default. Please refer to the operation guide for setting instructions.