

Application Note MMC_002

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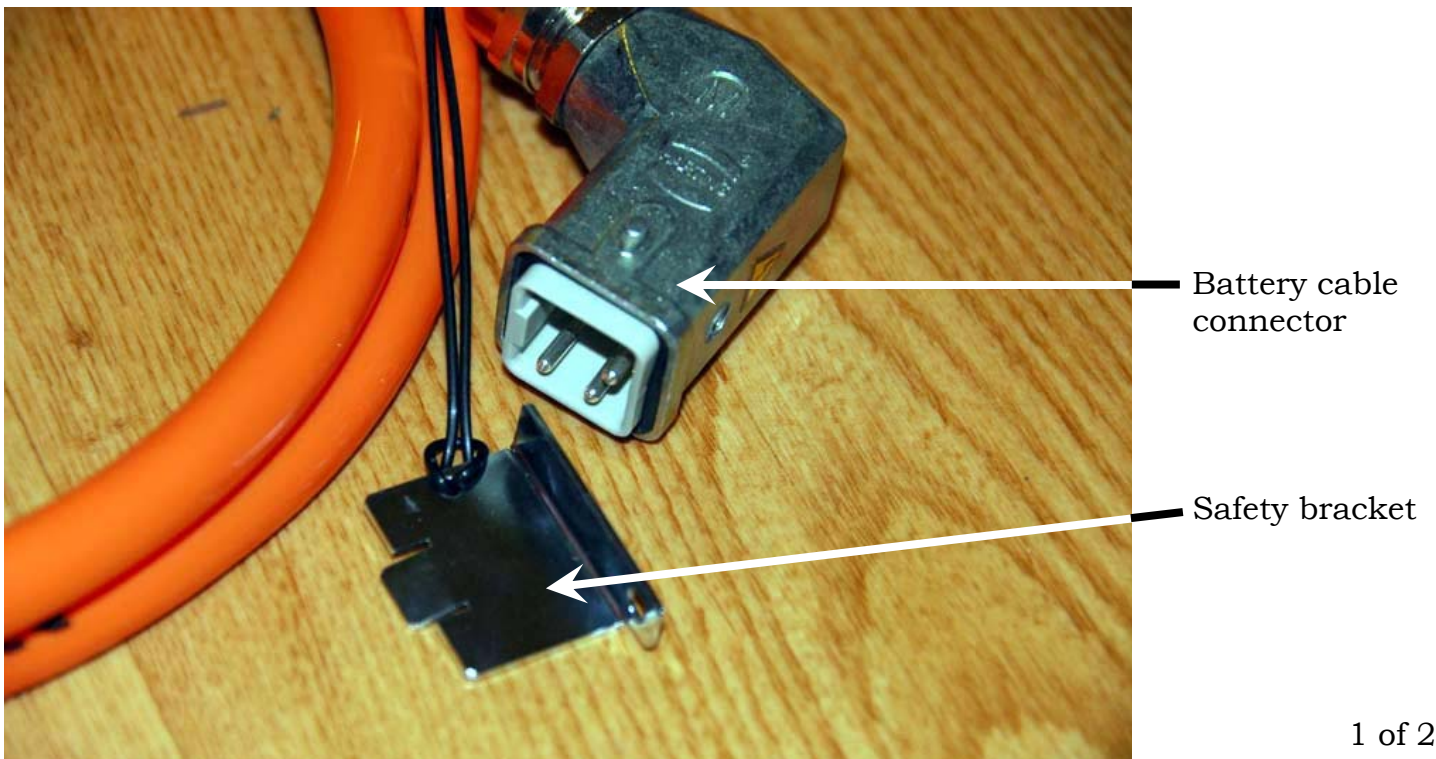


NLG5xx battery chargers user's manual amendment

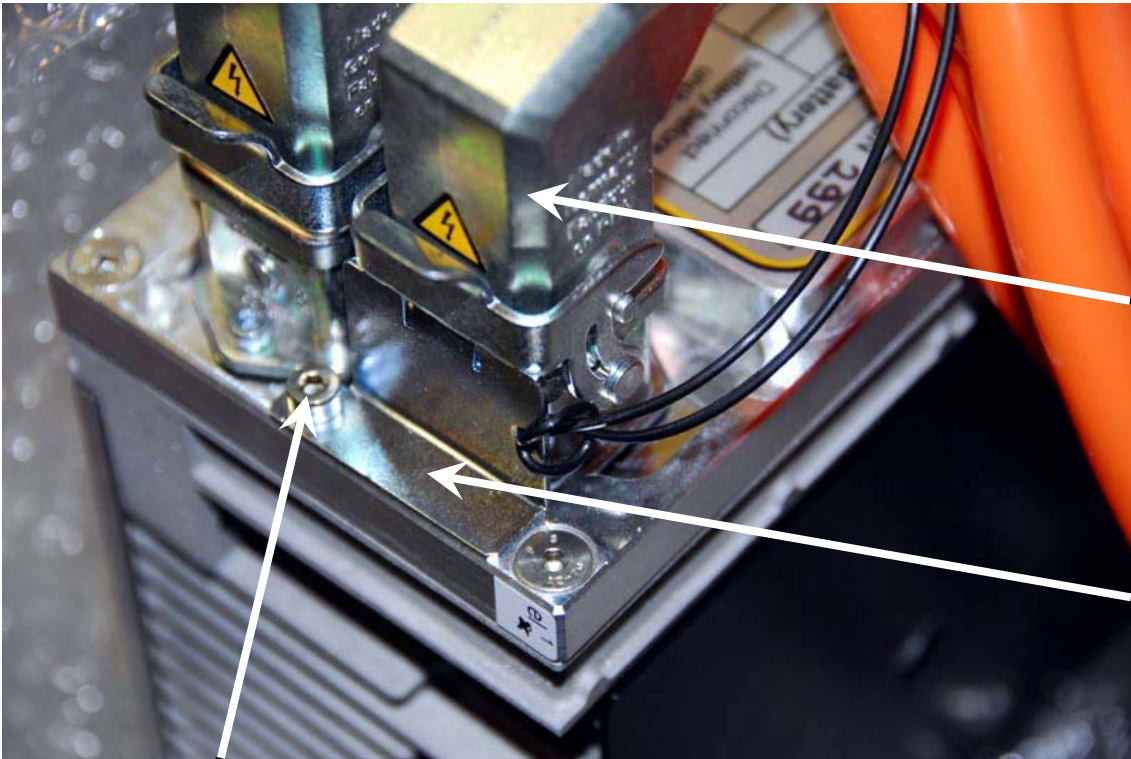
For optimal packing the chargers are shipped with battery and mains cables detached. The battery cable connector has safety bracket latch shown on the fig.1 below. You **MUST** install this bracket after attaching the battery cable connector to the charger and BEFORE connecting the battery to the other end of this cable, as shown on the fig 2. This prevents casual user from detaching the cable and possibility touching exposed and electrically hot terminals of its male connector while the other end of the cable is connected to the battery.

Note that if exposed, this connectors' contacts have full battery voltage at all times and can be easily touched or shorted by a metal object. Keep in mind that even partially charged battery can possess more energy than you may realize and high voltages (in general more than 36V) can potentially be lethal. Therefore installing safety bracket preventing easy unlatching and unplugging the battery cable is MANDATORY.

ALWAYS disconnect battery before detaching battery connector from the NLG5 charger. It is not allowed to routinely use this connector as main battery disconnect. The mains battery cable is fitted with female connector on the charger's side, so there are no exposed contacts with dangerous voltage even if other side of cable is connected to live mains. Thus mains connector is not fitted with safety bracket.



1 of 2



Battery cable attached

Safety bracket

Safety bracket mounting screw

WARNING: for any type of connection always observe precharging requirements for initial connection to the battery, see application note MMC_006 for details. Failure to precharge charger's output may cause hardware damage and is not covered by warranty.