

Hydronic 4-5 installation on a vehicle with electrical switch on ground wire

Ladies and Gentlemen,

Please be aware that all models of Hydronic B/D5S/SC/Z heaters (current and earlier models), have internal connection between negative wire and ECU housing, i.e. negative wire of the harness is grounded to vehicle's chassis. This means that in order to prevent heater and harness damage, negative battery terminal must always be grounded to chassis of the vehicle.

Please note that some vehicles have an OEM switch preinstalled between the negative battery terminal and vehicle chassis. With the installed heater, negative wire of heater harness bypasses the battery switch, if the switch is opened all systems on the vehicle are still powered through the heater's harness. If a starter or other heavy load is turned on, all current goes through heater's harness and ECU, which burns the ground wire (positive wire is not affected by electrical current in this case.)

Please be advised that this kind of damage is not covered by warranty.

To prevent damage of harness and heater on vehicles with a battery switch installed an additional fuse can be added to the ground wire of heater harness. The fuse is not included in standard installation kit. In this case a 20 amp fuse can be installed between battery minus and negative wire of the heater harness (Circled in picture below). For 24V heaters 15 Amp fuse can be used instead of the 20 Amp

Recommended parts:

20 Amp Fuse assembly	20 2900 70 0920
15 Amp Fuse	5670053

