



The GSCM-mini wiring connections for Honda's EU3000Is portable generator. Based on the electrical diagram found in the owners manual, the GSCM-mini should be wired in parallel with the Combination Switch (Off/On/Start). The combination switch should be left in the ON position for the generator to be started by the GSCM-mini and the Outback Inverter. The above diagram shows the combination switch, it's connections, and wire colors. The GSCM-mini's K1 relay contact is wired to the ST (Black/White) and BAT (White) wires. The GSCM-mini's K2 relay contact is wired to E (Green) and IG (Black) wires. When the Outback Inverter calls for the generator to run it passes a start signal to the GSCM-mini (terminals 5&7), the GSCM-mini then begins it's starting sequence by energizing K1 (crank) relay. The generator begins cranking, as it is cranking it powers its own electronics (ignition, auto throttle circuit) and begins producing an AC signal. The GSCM-mini monitors the AC output and when the AC Hz exceeds the crank disengage threshold the K1 (crank) relay is de-energized. When the Outback tells the GSCM-mini to shutdown the generator by removing it's 12V signal, the GSCM-mini begins it's shutdown routine (see GSCM-mini data sheet for description of routine) K2 is energized grounding the generator's Ignition coil as if the combination switch had been turned off causing the generator to shutdown.