

# OPERATION

Most diesel generators are controlled like the Onan type, except that they also require that glow plugs be operated before the generator start is attempted. The SW Series Inverter/Charger automatic generator control system can also provide glow plug control. The addition of an external relay may be required to operate the glow plugs due to the amperage required by the glow-plugs and to separate the stop signal circuit. For this type of generator, select **GLOWSTOP** from the **SET RY7 FUNCTION** menu item under the **GEN STARTING DETAILS (13)** menu heading.

## 3-TO-2 WIRE CONVERTERS

Another option for three-wire start-type generators is a 3-to-2-wire converter which vary from simple relays to advanced microprocessor types. Onan offers a simple 3-to-2-wire converter that works well for many installations. Universal 3-to-2 wire converters can be used with virtually any generator as well as control glow plugs for diesel generators. These also feature additional system components to signal the generator control system to start.

## GENERATOR CONTROL SEQUENCE

The relays close in a specific sequence to start the generator. Some of the timing periods are adjustable through the **GEN STARTING DETAILS (13)** menu heading. GLOWSTOP has been added to the sequence for diesel generator applications. RY7 can be configured for either "RUN" or "GLOWSTOP" operation. The two control relays complete the following sequence:

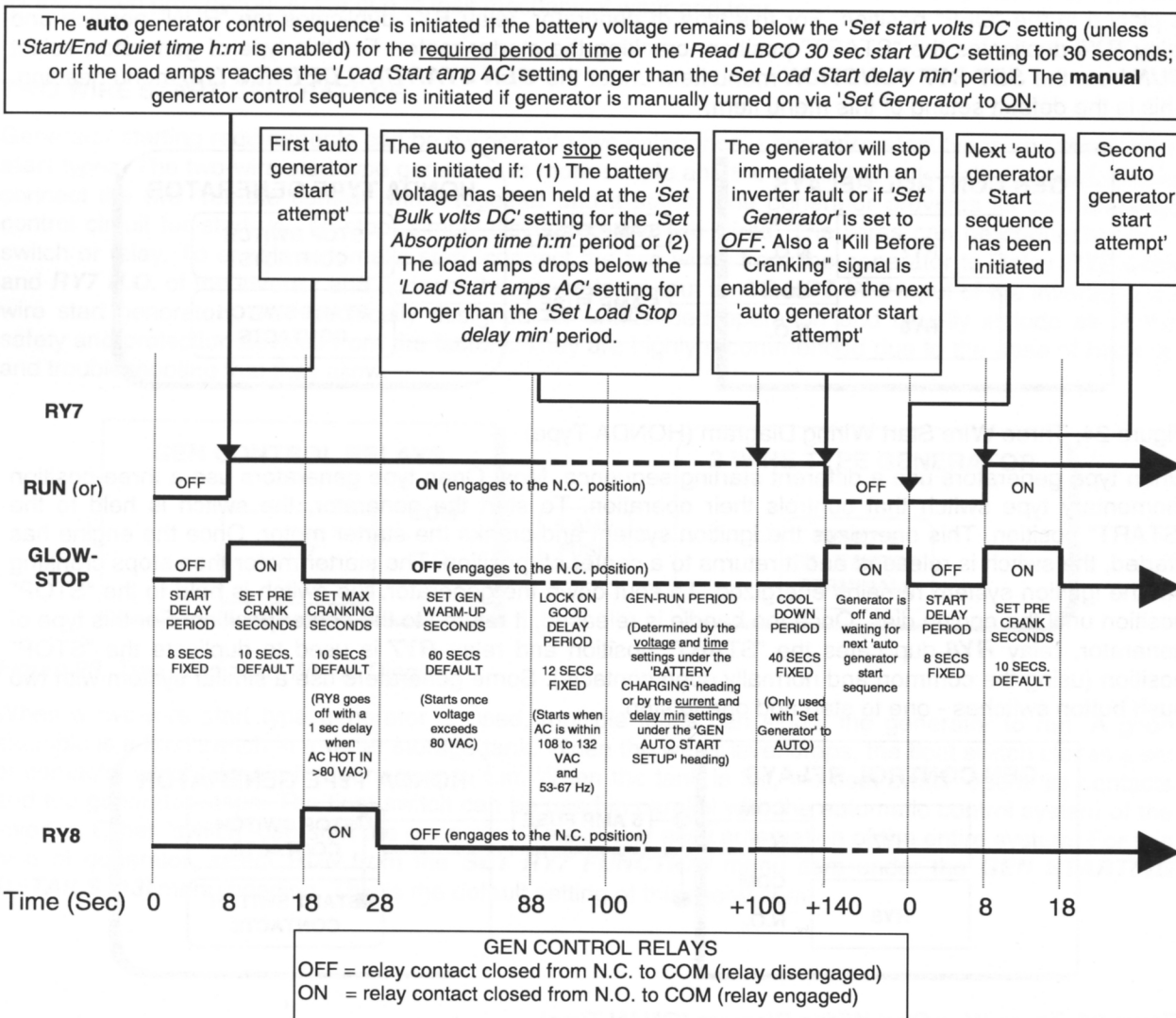


Figure 26, Relay RY7 and RY8 Sequence