



Wiring Harness Kits 276515, 276516, 276517 for 20–180ROZJ Standby Generator Sets

The wiring harness kits replace the engine wiring harness on 20–180ROZJ standby generators. Before replacing the engine wiring harness on a 20–180ROZJ generator equipped with a Motorola/Prestolite battery–charging alternator, modify the wiring harness according to the following procedure. No engine wiring harness modifications are necessary for generators equipped with Delco battery–charging alternators.

WARNING



Hazardous voltage can cause death or severe injury. Perform electrical service only as prescribed in equipment manual. Be sure that generator is properly grounded. Never touch electrical leads or appliances with wet hands, when standing in water, or on wet ground as the chance of electrocution is especially prevalent under such conditions. Wiring should be inspected at the interval recommended in the service schedule — replace leads that are frayed or in poor condition. The function of a generator set is to produce electricity and wherever electricity is present, there is the hazard of electrocution.

WARNING



Accidental starting can cause death or serious personal injury. Turn Generator Master Switch to OFF position, disconnect power to battery charger, and remove battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator. The generator set can be started by automatic transfer switch or remote start/stop switch unless these precautions are followed.

INSTALLATION

1. Turn generator master switch on controller to OFF and disconnect generator starting battery (negative lead first).
2. **Steps 2–4 apply only to 20–180ROZJ generators equipped with Motorola/Prestolite battery–charging alternators.** Using a wire cutter, remove diode assembly and terminal from harness "70" leads that would connect to alternator. See Figure 1.
3. Connect both "70" wires to a single 14 gauge eyelet terminal (X-282-3). Connect "70" eyelet terminal to alternator "EX" terminal as shown in Figure 2. Connect wiring harness "10P" lead to alternator "+" terminal.
4. Cut off "P" lead at two–pin connector and insulate end of lead with tape. Secure "P" lead near alternator with tie–wrap (not supplied). Discard diode assembly and pin connector.
5. Install engine wiring harness according to appropriate wiring diagram in generator service manual. (Refer to Figure 2 for connection of modified wiring harness to Motorola/Prestolite battery–charging alternator.)
6. Reconnect generator starting battery (negative lead last). Start generator set and verify proper generator operation. Move generator master switch to normal operating position.

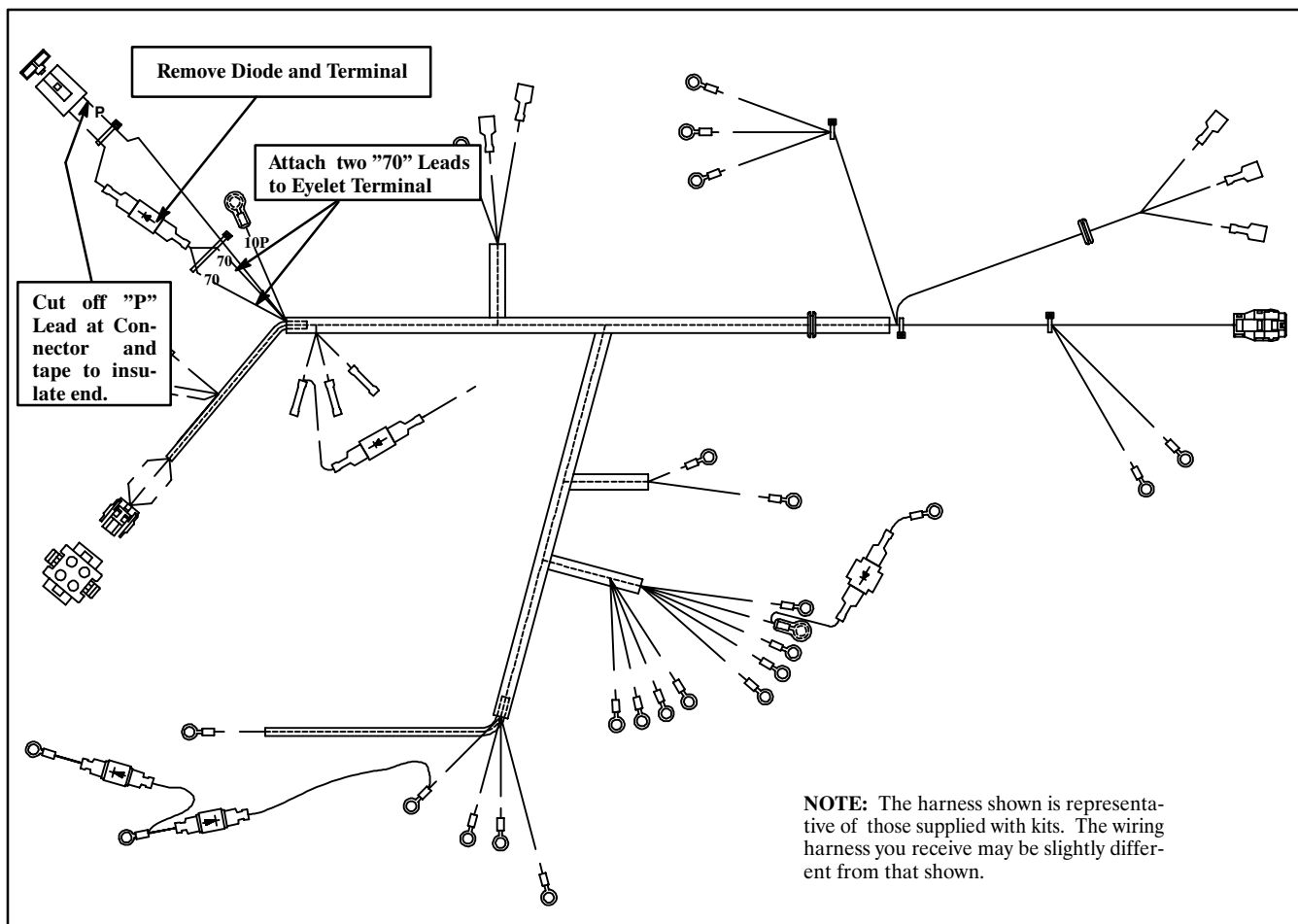


Figure 1. Engine Wiring Harness Modification (sets with Motorola/Prestolite Battery Chargers Only)

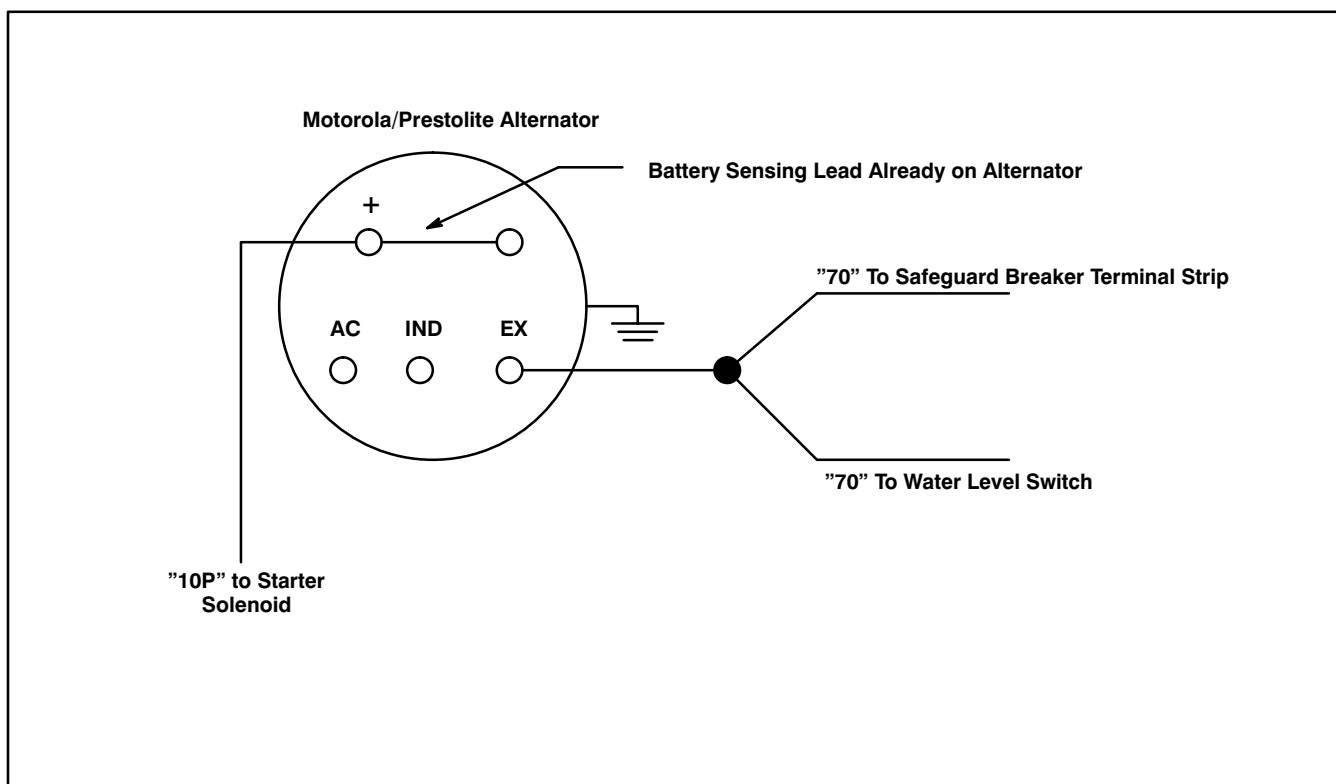


Figure 2. Wiring Harness Connections for Motorola/Prestolite Battery-Charging Alternator