



Relay Harness Kit

Groundsmaster® 328-D, 228-D and 225

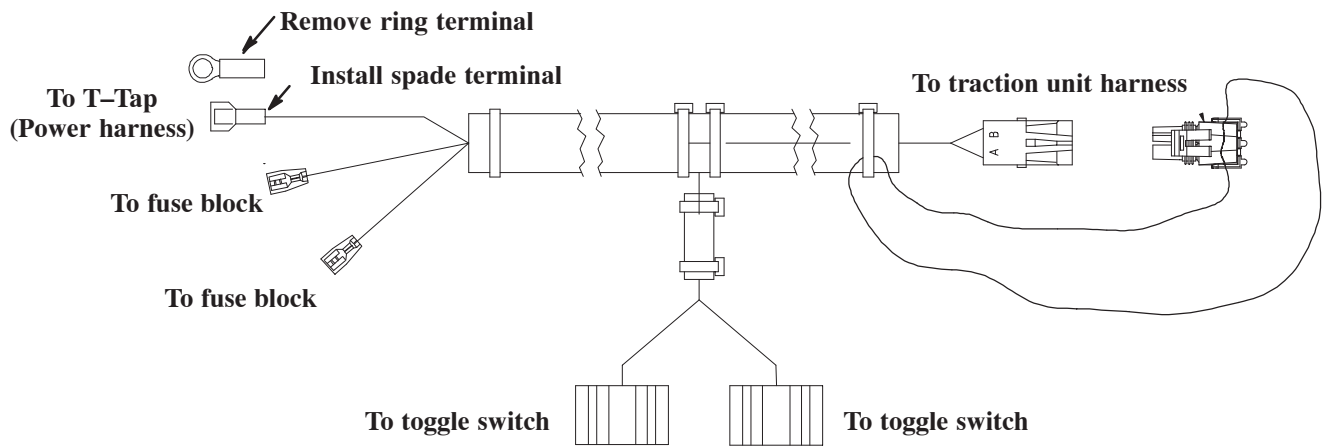
Part No. 110-5680

Form No. 3354-829 Rev A

Installation Instructions

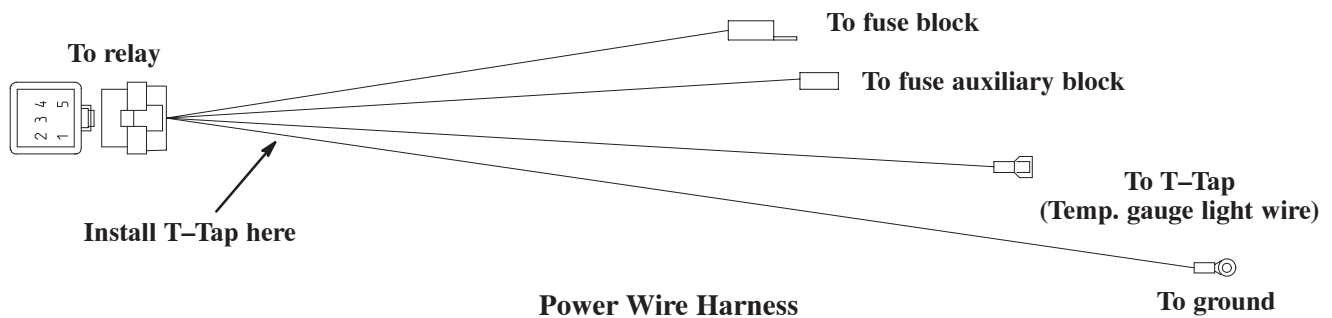
1. Position the machine on a level surface, lower the cutting unit, stop the engine, engage the parking brake and remove the key from the ignition.
 2. Disconnect the negative battery cable from the battery.
 3. Remove the control panel cover to gain access to the fuse block area.
 4. Using the decal as a template, locate, mark and drill (2) .50" holes in the top of the control console. Make sure not to contact any wires under the control console.
 5. Clean the mounting surface and apply the control decal over the holes on the control console.
 6. Loosely mount a toggle switch in each hole with the washers and nuts supplied.
 7. Plug the (2) connectors from the accessory wire harness onto the toggle switch terminals.
 8. Slide the new fuse block into mounting position below the existing fuse block.
 9. Using the fuse block as a template, mark the mounting hole location in the control console. Remove the fuse block and drill a .203" dia. mounting hole in the control console. Make sure not to contact any wires in the control console.
 10. Mount the new fuse block to the console with a #10 x 3/4 in. screw and locknut.
 11. Install a T-Tap terminal to the ring terminal wire (ground) on the power wire harness. Secure the T-Tap terminal at the location shown in figure 2.
 12. Cut off the ring terminal from the ground wire on the accessory harness. Crimp on a 1/4" male spade terminal onto the wire (Fig. 1).
 13. Secure the ground wire (ring terminal) from the power harness to a negative battery cable connection bolt.
 14. Plug the spade terminal from accessory harness into the T-Tap on the power harness ground wire.
 15. Connect the (2) spade terminals from the accessory wire harness to the (2) spade terminals on the fuse block wires.
 16. Plug the connector from the new fuse block into the existing fuse block connector.
 17. Plug the connector from the power wire harness into the new fuse block connector.
 18. Install the fuses as follows:
 - For snow thrower applications:
 - (1) 10 A fuse supplied with the snowthrower
 - (1) 30A thermal breaker (in new fuse block) furnished with the kit
 - (1) 40A fuse (in existing fuse block) furnished with the kit.
- Note:** The 30A thermal breaker is used for the chute rotating circuit.
- For rotary broom applications
 - (2) 5A fuses furnished with the kit (Do not use a 30A thermal breaker).
- Note:** Make sure the fuses are installed in the corresponding slots that have the wire connected to the harness.
19. Plug the power relay into the connector on the power wire harness.
 20. Secure a T-Tap terminal to the temperature gauge light wire (pink).
 21. Plug the spade terminal from the power wire harness onto the T-Tap terminal.
 22. Secure the wire and relay to the control console with a cable tie
- Note:** Check switch operation and reverse their location in control console if they don't operate in direction shown on decals. Tighten toggle switch nuts.
23. Re-install the control panel cover.
 24. Connect the negative battery cable to the battery.

Important When routing the harness, do not pull it across sharp edges which may damage the wires. Wires must not contact any hot or moving parts. Secure the wire harness with wire ties.



Accessory Wire Harness

Figure 1



Power Wire Harness

Figure 2

Electrical Schematic

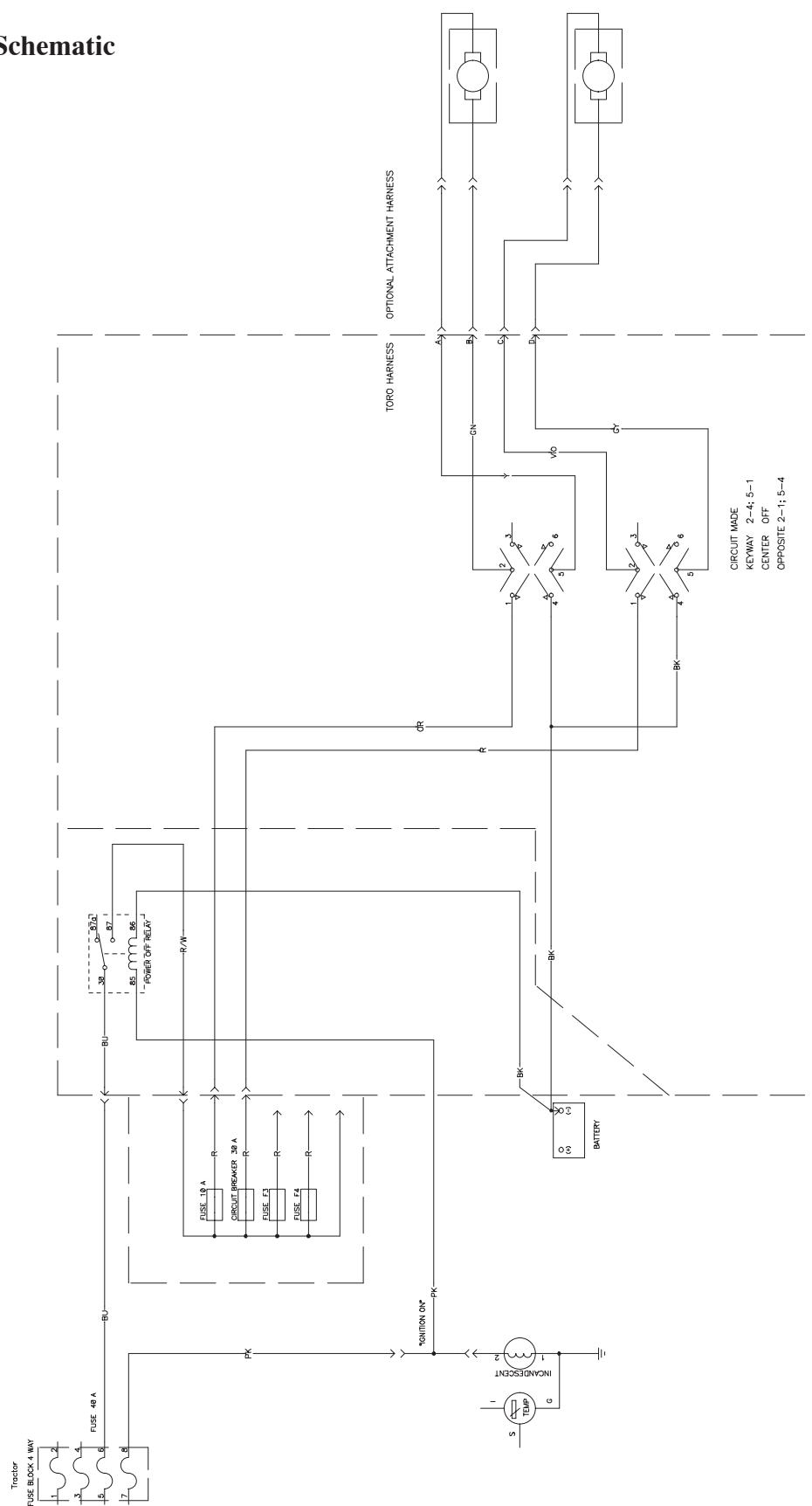


Figure 3

