

TORO®

PART NO. 92-2537

INSTALLATION INSTRUCTIONS

GLOW PLUG KIT FOR GREENSMaster® 3000-D

1. Disconnect and remove battery from machine.
2. Remove (6) screws securing instrument panel to steering arm. This will allow instrument panel to be raised to work on components inside arm.
3. Locate orange wire connected to key switch. Cut off orange wire at switch. This wire will no longer be used.
4. Locate orange wire included in kit. Insert plain end of wire into blue wire connector until end of wire contacts stop at opposite side of connector (Fig. 1).
5. Locate red and red/white wires connected to terminal on key switch. Take red wire and insert into blue wire connector (Fig. 1).

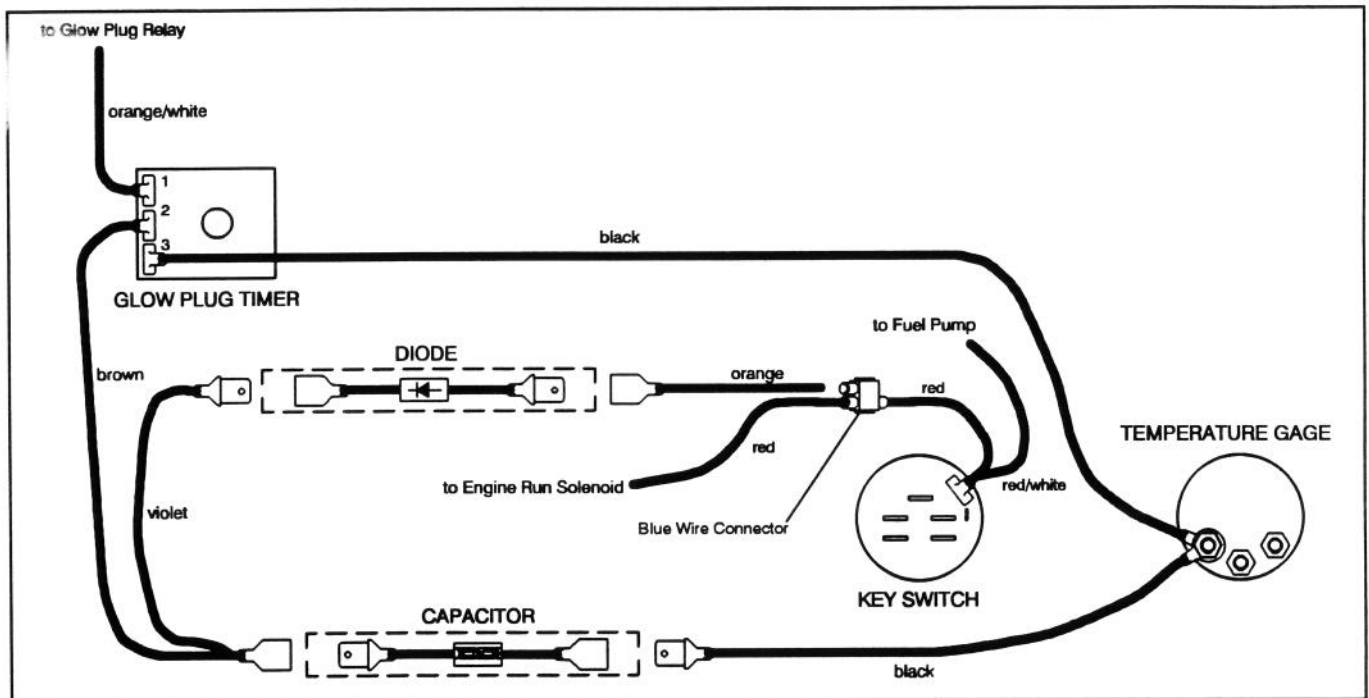


Figure 1

6. While holding end of orange wire and red wire in connector, squeeze connector with pliers, until metal tab crimps wires together. Wrap locking tab around connector (Fig. 1).
7. Plug terminal end of orange wire into mating end of diode assembly (Fig. 1).
8. Disconnect orange and orange/white wires from glow plug switch terminals. Orange wire, which other end was connected to key switch, will no longer be used and may be removed from wire harness and discarded.
9. Remove glow plug switch from instrument panel. Discard glow plug switch and mounting hardware.
10. Using dimensions shown in figure 2, locate, mark and drill 17/64" dia. hole in back, rear corner of instrument panel.

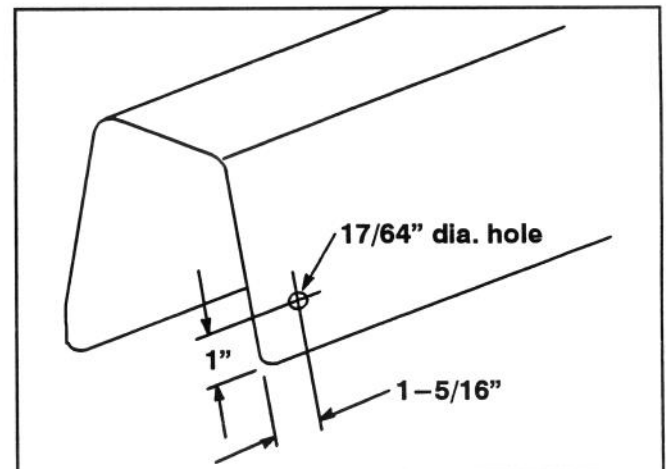


Figure 2

11. Using hole drilled in instrument panel, mount timer to inside of instrument panel with a 1/4-20 x 1-1/4" lg. cap screw and locknut (Fig. 3). Timer to be positioned so terminals point inward and are aligned vertically with rear edge of instrument panel.

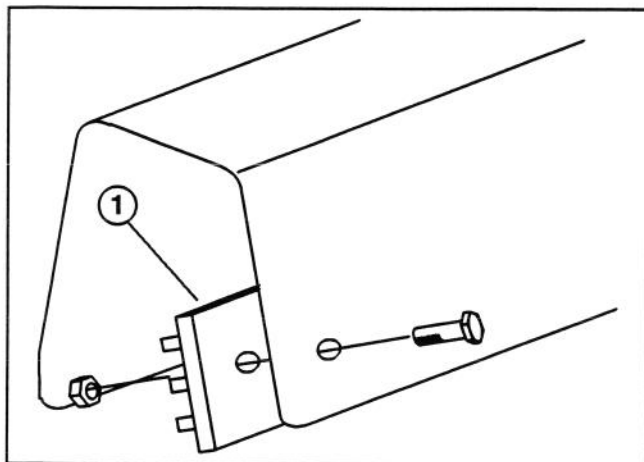


Figure 3
1. Timer

12. Plug terminal end of orange/white wire, previously removed from glow plug switch, onto timer terminal # 1 (Fig. 1).

13. Locate brown and violet wire assembly included in kit. Plug terminal end of single brown wire onto timer terminal # 2 (Fig. 1).

14. Plug terminal end of combined brown and violet wires onto mating terminal of capacitor (Fig. 1).

15. Plug terminal end of violet wire into mating terminal of diode (Fig. 1).

16. Locate long and short black wires included in kit. Remove nut from ground terminal (G) on temperature gauge. Install ring terminals from both black wires to terminal on temperature gauge and reinstall nut removed.

17. Plug terminal end of short black wire into mating terminal of capacitor (Fig. 1).

18. Plug terminal end of long black wire onto timer terminal # 3 (Fig. 1).

19. Remove (2) self tapping screws securing electrical plate to front of fuel tank base. Move plate away from base to expose glow indicator mounted to left end of plate (Fig. 4).

20. Remove wire connected to left hand terminal and connect to right hand terminal. This will bypass glow plug indicator.

21. Reinstall electrical plate to front of fuel tank base with (2) self tapping screws previously removed. (Fig. 4).

22. Remove capscrews and washers securing front and rear of fuel tank base to frame. Raise fuel tank base enough to gain access to glow plugs on top of engine. **Do not raise fuel tank base too high because fuel line is connected and damage may occur.**

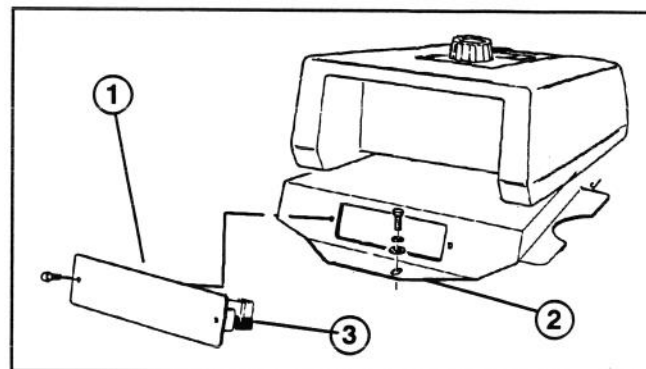


Figure 4
1. Electrical plate
2. Fuel tank base
3. Glow plug indicator

23. Clean any debris from around glow plugs. Disconnect and remove all (3) glow plugs from engine (Fig. 5).

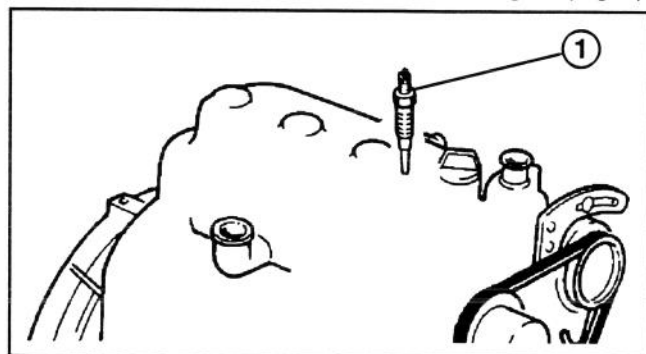


Figure 5
1. Glow plug

24. Install (3) new glow plugs, included in kit, to engine. Torque glow plugs to 11-14 ft-lb. Reconnect wires to glow plugs.

25. Remount fuel tank base to frame with capscrews and washers previously removed.

26. Affix starting instruction decal to instrument panel at location shown in figure 6.

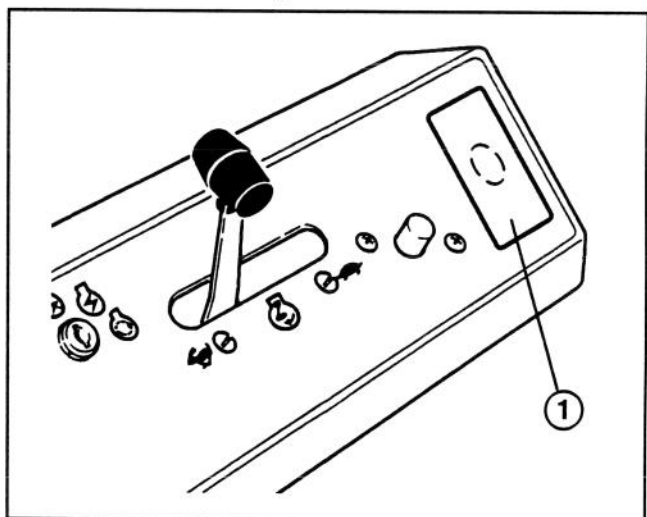


Figure 6
1. Decal

27. Remount instrument panel to steering arm with (6) screws previously removed.

28. Reinstall battery and connect cables.