




MODEL NO. 51710

OPERATOR'S  
MANUAL

CORDLESS POWER™ POWERPACK™

## SAFETY INSTRUCTIONS

### WARNING

To assure maximum safety, best performance, and to gain knowledge of the appliance, it is essential that you or any other operator of the appliance read and understand the contents of this manual before operating the appliance. Pay particular attention to the safety alert symbol  which means CAUTION, WARNING OR DANGER — “personal safety instruction.” Read and understand the instruction because it has to do with safety. FAILURE TO COMPLY WITH INSTRUCTION MAY RESULT IN PERSONAL INJURY, RISK OF FIRE OR ELECTRICAL SHOCK.

## SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE!

**IMPORTANT:** After unpacking PowerPack, charge battery immediately. See instructions on page 3. Make sure circuit breaker reset button on side of PowerPack is pushed in.

1. Read and understand the contents of this manual before operating the PowerPack.
2. Keep everyone, especially children and pets, away from area of operation. Never allow children to operate the PowerPack.
3. Wear appropriate clothing. Do not wear any loose-fitting clothing or jewelry.
4. Before using PowerPack, adjust the 4-way strap either over your shoulder, chest, back or belt so that PowerPack fits securely to your body.
5. Do not charge or discharge battery near an open flame or in an explosive environment.
6. **DO NOT INCINERATE OR MUTILATE POWERPACK.** Battery contains toxic materials.
7. Use the PowerPack only with recommended Toro products.
8. **WARNING**—Do not insert any metal objects in the cord receptacle. **THIS ACTION COULD RESULT IN A BURN.**
9. **DO NOT PLUG CHARGER INTO ANY RECEPTACLE OTHER THAN THE TORO CORDLESS POWERPACK.**
10. Always unplug PowerPack from charger or tool before servicing or cleaning.
11. **DO NOT ATTEMPT TO REPAIR POWERPACK OR CHARGER.** See your Authorized Toro Service Dealer for any repairs.
12. Charge PowerPack only with Toro Charger.
13. Disconnect an appliance from PowerPack before charging or if leaving appliance unattended.
14. Do not leave charger plugged into a wall outlet when not in use.
15. Charge and store PowerPack in a dry, cool location; high or locked up out of the reach of children.
16. This appliance is intended for residential household use.
17. Don't abuse cord. Do not pull or carry appliance by cord. Do not use cord as a handle. Do not unplug cord by pulling cord. To unplug, grasp the plug, not the cord.

# SAFETY DECALS

Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.

## TORO 12 VOLT DC BATTERY PACK - MODEL NO. 51710

**⚠ CAUTION:** For safe operation see owner's manual. Charge battery only with Toro 12 volt charger model # 51710. Do not incinerate or mutilate; contains toxic materials. Do not charge below 40°F or above 104°F. Do not charge in a gas tight container. Use to power only Toro 12 volt products specified for use with this battery pack. When servicing use only identical replacement parts. NOTE: Charge after each use.  
MADE IN U.S.A. by The Toro Company, Mound, MN 55364

ON POWERPACK™ BELT LOOP

## ASSEMBLY INSTRUCTIONS

### BELT STRAP ASSEMBLY (optional)

The PowerPack can be worn over your shoulder, chest, back or belt. To attach the PowerPack to your belt requires some assembly.

1. Remove strap from container and unroll.
2. Slide male half of buckle off strap (Fig. 1).

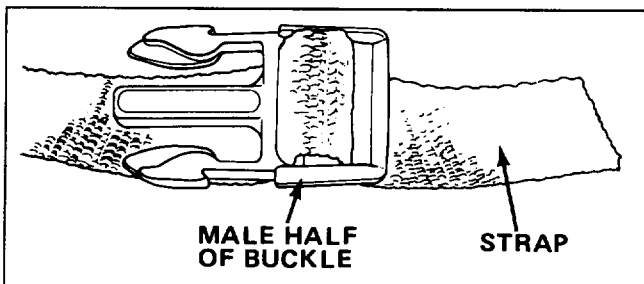


Figure 1

3. Insert end of strap through loop on back of PowerPack case and pull strap halfway through loop (Fig. 2).

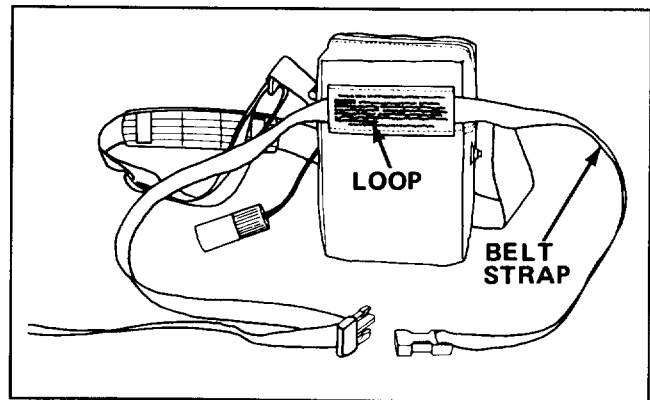


Figure 2

4. Reattach male half of buckle to end of strap by looping through buckle as shown in Figure 1.
5. Pull loose end of strap to adjust to your waist size.

## OPERATING INSTRUCTIONS

### OPERATING TIPS FOR POWERPACK

Your Toro PowerPack is equipped with a sealed lead acid battery. To thoroughly understand the capability of your system, please note the following important information.

1. The PowerPack must be charged immediately after unpacking.
2. Even though you will get acceptable run time on the first usage, the battery capacity should improve over the first twenty cycles.

3. For maximum PowerPack life, follow these steps:

#### **A. RECHARGE POWERPACK IMMEDIATELY AFTER EACH USE.**

- B.** Recharge PowerPack for at least 24 hours.

- C. DO NOT** charge PowerPack for more than 48 hours at any one time or battery life may be reduced.

- D.** During periods of extended storage, keep PowerPack in a cool, dry location.

# OPERATING INSTRUCTIONS

E. If you live in an area of temperature extremes, avoid storing the PowerPack in locations where the temperatures get extremely hot or cold. If stored at 32° F, a battery can easily be stored 30 months between charges. But if the temperature is raised to 100° F, the storage time is reduced to a month, and the battery should be charged. If the PowerPack is stored at below zero temperatures, the battery could freeze if not completely charged.

F. During use, recharge PowerPack as soon as a change in appliance performance is observed. The PowerPack life can be greatly improved by using the PowerPack for shorter runs rather than using all the battery capacity.

G. During use, run time can be improved by releasing the trigger on an appliance when not in use, thus allowing the PowerPack to rest for short periods.

## CHARGING POWERPACK (Fig. 3)

After each use of an appliance or when an appliance's performance begins to degrade, recharge the PowerPack.



### WARNING

Always charge PowerPack indoors, never outdoors. Never use an extension cord with charger. Plug charger directly into wall outlet. Make sure circuit breaker reset button is pushed in.

1. Plug charger into a standard household outlet.

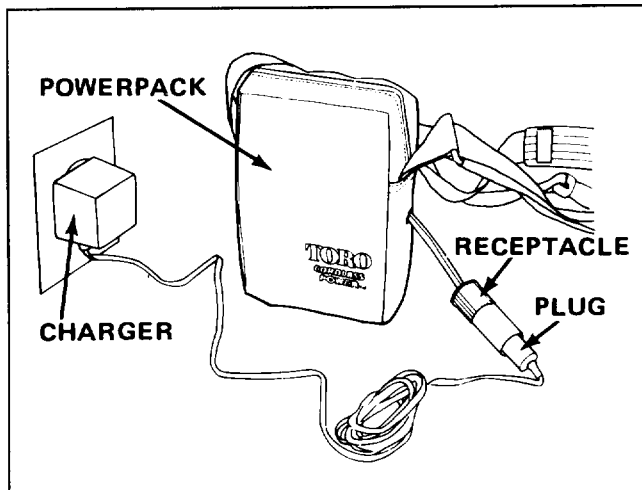


Figure 3

2. Place PowerPack on a flat surface away from water, heat or flame. Keep cord away from water, heat, flame or sharp edges.

3. Insert charger plug into PowerPack receptacle.
4. Charge PowerPack for a maximum of 48 hours. The PowerPack will be 90% recharged after 24 hours. After 48 hours, disconnect PowerPack from charger.
5. Unplug charger from household outlet when not in use.



### CAUTION

For maximum life, charge battery immediately after use. Do not leave PowerPack™ on charge continuously. Remove PowerPack from charger after 48 hours of charging or battery life may be reduced.

## USING POWERPACK

1. Strap PowerPack securely to your body before beginning operation.
2. Insert appliance's plug into PowerPack receptacle. Make sure plug is all the way in PowerPack receptacle before beginning operation. Periodically check to make sure the appliance is still securely plugged into PowerPack receptacle.
3. The PowerPack is equipped with a circuit breaker to protect the system from electrical overloads. If the appliance will not start, push the circuit breaker reset button on the side of the battery pack (Fig. 4). If this button will not stay in, the system should be checked by an authorized Toro Service Dealer.

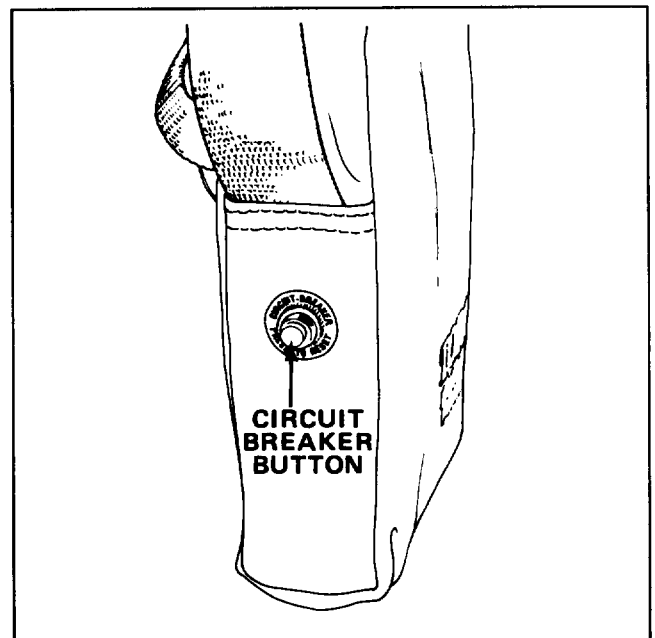


Figure 4

# MAINTENANCE



## WARNING

Always unplug the PowerPack before cleaning or servicing. Do not attempt to repair battery pack or charger. See your local Authorized Toro Service Dealer for any repairs.

## CLEANING POWERPACK

1. Use a mild soap and a damp cloth to clean PowerPack case and straps. Make sure that no water gets into the cord connector or PowerPack.



## WARNING

Never immerse PowerPack housing in water or any other liquid.

2. Dry PowerPack thoroughly before charging or operating.

## CHECKING POWERPACK HOUSING

If you drop the PowerPack, immediately inspect its housing for tears, breaks or any other damage. If

damage is found, bring the PowerPack to your local Authorized Toro Service Dealer. Do not attempt to repair the PowerPack yourself.

## STORING POWERPACK

1. Fully recharge PowerPack before storing. See Charging PowerPack, page 3. Do not leave PowerPack on continuous charge when storing.

2. Examine PowerPack case thoroughly for tears or breaks. If repair or replacement is necessary, contact your local Authorized Toro Service Dealer for assistance.

3. Examine PowerPack cord thoroughly for signs of wear or damage. If worn or damaged, contact your local Authorized Toro Service Dealer or Toro Service Center.

4. Do not store PowerPack with an appliance plugged into it.

5. Store PowerPack in a clean, dry location; high or locked up out of the reach of children.

6. For maximum life and charge retention, store PowerPack at 68° F (20° C) or lower but not below 32° F (0° C).

# TORO SERVICE SUPPORT

If help—concerning safety, set-up, operation, maintenance, or troubleshooting—is ever needed, contact the local Authorized TORO Service Dealer, Distributor, or TORO Service Center. Refer to the “Yellow Pages” for assistance. In addition to skilled service technicians, the dealer and distributor have factory approved accessories and replacement parts. Keep your TORO all TORO. Buy genuine TORO replacement parts and accessories.

# PRODUCT IDENTIFICATION

A model number is located on the pack belt tab. Always refer to the model number on the decal in correspondence or when replacement parts are needed.

## The Toro Promise

*Cordless Power Products*

*A One Year Full Residential Use Warranty*

The Toro Company warrants this TORO product for one year against defects in material or workmanship. To receive a replacement or repair, at Toro's option, just return the complete unit, postage prepaid, to the seller or any TORO Service Dealer or the TORO Service Center, 5300 Shoreline Blvd., Mound, MN 55364, along with proof of date of purchase. This warranty covers product defects only. It does not cover incidental or consequential damages. The PowerPack™ should only be used with 12 VDC devices rated at 15 amps or greater. Toro shall not be liable in either tort or contract for any loss or damage, direct, consequential or incidental, arising out of use of the PowerPack™ with devices other than those rated at 12 VDC, 15 amps or greater. **Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.** This warranty gives you specific rights, and you may have other rights which vary from state to state.