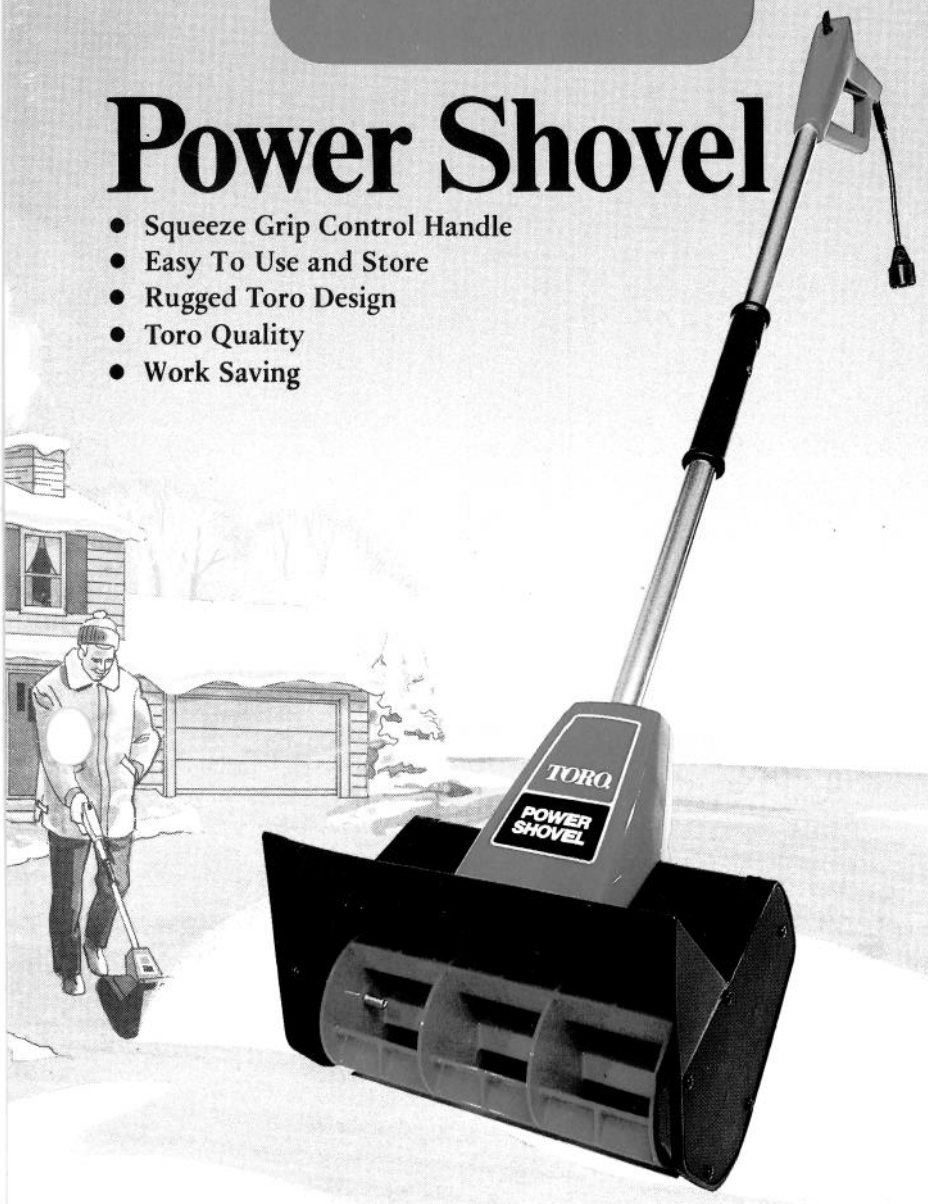
MODEL 38305-1000001 thru 2000001 & UP

CANADA FORM NO. 3320-264 Rev. A

TORO®

Power Shovel

- Squeeze Grip Control Handle
- Easy To Use and Store
- Rugged Toro Design
- Toro Quality
- Work Saving



Haven't you done without a Toro long enough?®

FOREWORD

The Power Shovel is an outstanding product for snow removal with advanced concepts in engineering design and safety, and if maintained properly, the Power Shovel will be reliable.

The Power Shovel is a high-quality product, and Toro is concerned about the future use of the product and the safety of the user. Therefore, read this entire manual to familiarize yourself with the safety instructions and product. The six major sections of the manual are:

1. Safety Instructions
2. Assembly Instructions
3. Operating Instructions
4. Maintenance
5. Parts Listing
6. Service Dealers

Note that the safety, mechanical and some general information in this manual is emphasized and worthy of special attention. The words CAUTION, WARNING and DANGER identify safety related information; IMPORTANT identifies special mechanical information; and NOTE identifies general information.

If help concerning assembly, operation, maintenance or safety is ever needed, contact the local Authorized TORO Service Dealer. In addition to skilled service technicians, the dealer has other TORO Products, as well as factory-approved accessories and replacement parts. Keep your TORO all TORO. Buy genuine TORO replacement parts and accessories.

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The Toro Company – 1980, Rev. 1981
MINNEAPOLIS, MN 55420 – U.S.A.

OPERATOR'S MANUAL

Safety Instructions



To assure maximum safety, optimum performance, and to gain knowledge of the product, **it is essential that you or any other operator of the Power Shovel read and understand the contents of this manual before the motor is ever started.** Pay particular attention to the safety alert symbol which means CAUTION, WARNING, or DANGER – "Personal safety instructions." Read and understand the instruction because it has to do with safety. Failure to comply with the instruction may result in personal injury.

The Power Shovel is designed and tested to offer reasonably safe service; however failure to operate it in accordance with the following Safety Instructions MAY RESULT IN PERSONAL INJURY.

BEFORE OPERATING

1. Read and understand the contents of this manual before operating the machine. Become familiar with all controls and know how to stop quickly.

2. Keep everyone, especially children and pets, away from area of operation. Never allow children to operate the Power Shovel.

3. Inspect area thoroughly where the Power Shovel will be used. Remove door mats, sleds, boards, sticks, wire and any other foreign objects which might be picked up and thrown by the Power Shovel.

4. Inspect the Power Shovel. If any portion of the Power Shovel, including decals, is defective or damaged, repair or replace it before operation is commenced. Also, tighten any loose nuts, bolts and screws.

5. Wear adequate winter clothing and boots that will help provide secure footing on slippery surfaces. Do not wear loose fitting clothing that could possibly get caught in moving parts.

6. Do not use the Power Shovel on gravel or crushed rock surfaces unless used in accordance with Operator's Instructions; refer to page 8, item 5.

7. To prevent electric shock, use only an approved Toro Extension Cord, Toro Part No. 37-5950, 39-1870 or an equivalent cord suitable for outdoor use in cold temperatures. TORO recommends their heavy duty Polarized Rubber Cord, TORO part number 37-5950. 16/2 26/30 SJOWA/SJOW UL/CSA approved. Replace damaged extension cord immediately.

WHILE OPERATING

8. Keep people and pets a safe distance away from the Power Shovel and the area of operation.

9. Avoid accidental starting. Do not insert key until after Power Shovel is plugged in; also, remove key before carrying plugged-in unit.

Safety Instructions

10. If cord is damaged in any manner while plugged in, pull extension cord from wall receptacle and replace the cord.

11. Do not abuse cord. Never carry the Power Shovel by the cord or pull sharply on cord to disconnect from receptacle. Keep cord away from heat, oil and sharp edges.

12. Operate the Power Shovel only when there is good visibility or light. Always maintain secure footing and balance and keep a firm grip on the handle. DO NOT USE THE POWER SHOVEL ON A ROOF.

13. Be attentive when using the Power Shovel, and stay alert for holes in the terrain and other hidden hazards.

14. STAY AWAY FROM DISCHARGE OPENING WHILE OPERATING THE POWER SHOVEL. Keep face, hands, feet and any other part of your body or clothing away from concealed, moving or rotating parts.

15. Never operate the Power Shovel near bystanders, glass enclosures, automobiles and trucks, window wells or a dropoff without proper adjustment of the snow discharge angle; refer to Operating Tips, page 7, item 2.

16. If a solid object is hit or the Power Shovel vibrates abnormally, stop the Power Shovel and wait for all movement to stop. Disconnect extension cord and check the Power Shovel immediately for possible damage, an obstruction or loose parts. Vibration is generally a warning of trouble. Repair any damage before operating the Power Shovel again.

17. Disconnect cord from recepta and remove key from handle if the Pov Shovel will be left unattended.

18. WHEN INSPECTING, CLEANING OR UNCLOGGING THE DISCHARGE AREA, STOP THE UNIT; WAIT FOR ALL MOVING PARTS TO STOP. TO PREVENT ACCIDENTAL STARTING, DISCONNECT THE CORD AND DO NOT ALLOW A SECOND PARTY TO HANDLE THE UNIT.

MAINTAINING POWER SHOVEL

19. Perform only those maintenance instructions described in this manual. To prevent possibility of accidental starting, disconnect cord from receptacle before performing maintenance procedures. If major repairs are ever needed, contact the local Authorized TORO Service Dealer for assistance.

20. Keep the Power Shovel in safe operating condition. Check all fasteners frequently, tighten if necessary.

21. Store the Power Shovel indoors when not in use in a dry, safe place of the reach of children. Keep extens cord with the Power Shovel to prevent misplacement and remove key from handle.

22. At the time of manufacture, the Power Shovel conforms with or exceeds safety standards in effect for electric snow movers. Therefore, to assure optimum performance and safety, purchase genuine TORO replacement parts and accessories to keep the TORO all TORO. NEVER USE "WILL FIT" ACCESSORIES. The Toro logo assures that replacement parts are genuine.

Safety Instructions



Safety instruction decal is located on the Power Shovel housing.

⚠ WARNING DOUBLE INSULATED

KEEP HANDS OUT OF DISCHARGE GUIDE. KEEP CLEAR OF IMPELLER WHILE MOTOR IS RUNNING. DO NOT DIRECT DISCHARGE AT BYSTANDERS. STOP MOTOR BEFORE REMOVING DEBRIS.
CAUTION — USE ONLY WITH CERTIFIED EXTENSION CORD TYPE SJTW OR SJOW CORD. REPLACE DAMAGED EXTENSION CORD IMMEDIATELY. READ OPERATOR'S MANUAL FOR COMPLETE SAFETY AND OPERATION INSTRUCTIONS. FREE OPERATOR'S MANUALS ARE AVAILABLE FROM THE TORO CO., MINNEAPOLIS, MN. 55420. SPECIFY MODEL AND SERIAL NUMBERS.
THE TORO CO. MODEL 38305. 120 VAC 60 HZ 6.6 AMP.

⚠ AVERTISSEMENT DOUBLE ISOLATION

GARDEZ LES MAINS HORS DE L EJECTEUR. DEMEUREZ A L ESCART DU ROTOR LORSQUE LE MOTEUR TOURNE. ARRETEZ LE MOTEUR AVANT L ENLEVEMENT DE DEBRIS. NE DIRIGEZ JAMAIS L EJECTEUR VERS AUTRUI.
ATTENTION — N'UTILISEZ QU'AVEC UN CORDON DE RALLONGE APPROUVE DE TYPE SJTW OU SJOW. REMPLACEZ IMMEDIATEMENT LE CORDON DE RALLONGE ENDOMMAGE. LISEZ A FOND LES REGLES DE SECURITE D'UTILISATION DANS LE MANUEL DO PROPRIETAIRE. ON PEUT OBTENIR DES MANUELS GRATUITEMENT DE LA SOCIETE TORO, MINNEAPOLIS, MINN. 55420, EN MENTIONNANT LES NUMEROS DE MODELE ET DE SERIE.
LA SOCIETE TORO, MODELE 38305. C.A. 120 V. 60 HZ. 6.6 AMP.

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Assembly Instructions

"READ ALL ASSEMBLY INSTRUCTIONS BEFORE STARTING ASSEMBL'

ASSEMBLE HANDLE

Tools Required: Phillips Screw Driver, Plastic Rod (included in loose parts bag).

1. Remove Power Shovel and loose parts from carton.

2. Remove and discard the grommet from inside the upper handle (Fig. 1). INSPECT SUPPLY CORD FOR DAMAGE. IF DAMAGED, DO NOT ASSEMBLE. CONTACT YOUR TORO DEALER.

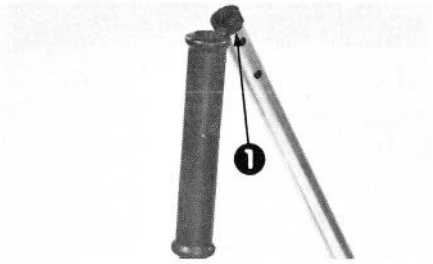


Figure 1.

1. **Grommet**

3. Remove the handle screws and plastic handle nuts from the center handle grip (Fig. 2).

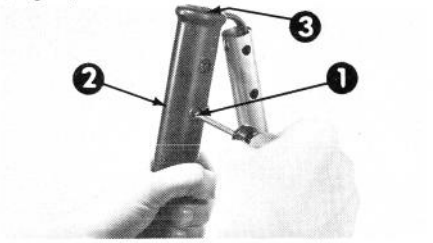


Figure 2

1. **Handle Screw**
2. **Plastic Handle Nut (not shown)**
3. **Center Handle Grip**

4. Lay handle assembly onto flat surface. Slide center handle grip off lower handle and onto upper handle (Fig. 3).

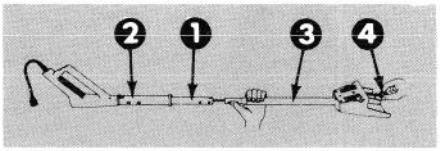


Figure 3

1. **Upper Handle**
2. **Center Handle Grip**
3. **Lower Handle**
4. **Handle Connector**

5. Align upper and lower handles. Hold handle connector with one hand and slide lower handle into mounting position in upper handle with other hand (Fig. 3). Align holes. Slide plastic center handle into position and align with holes in handles.

NOTE: Be sure the power plug end of handle grip and slot in plastic center handle grip face towards the rear of unit as shown in picture on front cover.

WARNING

DO NOT INSERT HANDLE SCREW THROUGH HANDLE UNTIL PLASTIC HANDLE NUT HAS BEEN PROPERLY INSTALLED. IF HANDLE SCREW IS NOT PROPERLY INSTALLED, SUPPLY CORD COULD BECOME DAMAGED AND CAUSE PERSONAL INJURY DURING OPERATION.

6. Insert plastic rod (supplied in loose parts bag) through round center handle grip hole and gently move electric supply cord to one side.

7. Insert plastic handle nut into hex hole in center handle grip.

Assembly Instructions

WARNING Con't.

Carefully push nut through handle and seat hex head in matching recessed center handle grip hole; hold in place.

8. Using fingers only, insert the handle screw into the plastic handle nut and rotate to start the threads. USE NO TOOLS UNTIL THE HANDLE SCREW IS PARTIALLY THREADED INTO THE PLASTIC HANDLE NUT.

9. Using a Phillips screw driver, tighten the handle screw while holding plastic handle nut in place (Fig. 4).

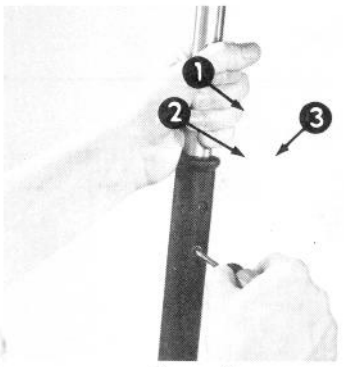


Figure 4

1. **Center Handle Grip**
2. **Special Screw**
3. **Special Hex Nut (not shown)**

10. Repeat steps 6 through 9 to install the second nut and screw.

11. Lay the power head and handle on a flat surface in the manner shown in Figure 5.

12. Assemble the power head connector and the handle connector by sliding the connectors together (Fig. 5).

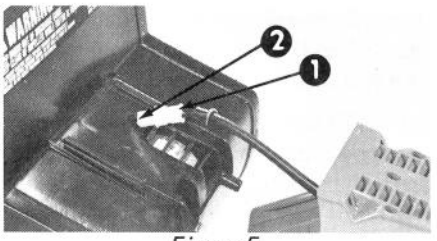


Figure 5

1. **Handle Connector**
2. **Power Head Connector**

13. Set power head as shown in Figure 6 so that assembled handle may be inserted and pushed down. Turn handle clockwise 1-1/2 turns until the power head and handle are properly aligned.

NOTE: Twisting the handle in this manner coils the power cord such that it will lay properly between the handle support and power head.

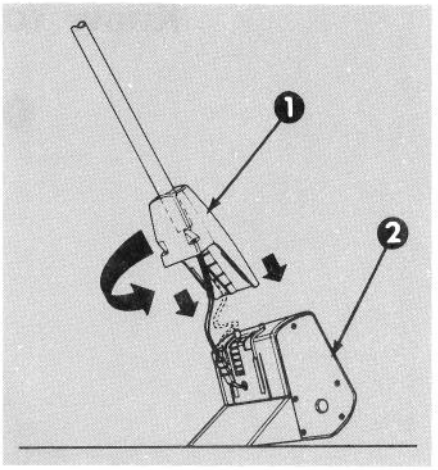


Figure 6

1. **Handle Support**
2. **Power Head**

14. Hold connectors down flat against power head and slide the handle support over the power head. Be sure the grooves

Assembly Instructions

in the handle support and power head are interlocked (Fig. 7) and the power supply cord is properly positioned.

IMPORTANT: If the handle support does not slide completely into position, check the supply cord to be sure it is not interfering with assembly. If necessary, move the cord to eliminate interferer and be sure it rests on the right si between the handle support and power head.

15. Insert a 1/4" x 1" screw in the threaded slot in the rear of the handle support (Fig. 8) and screw into place. Repeat with second screw.



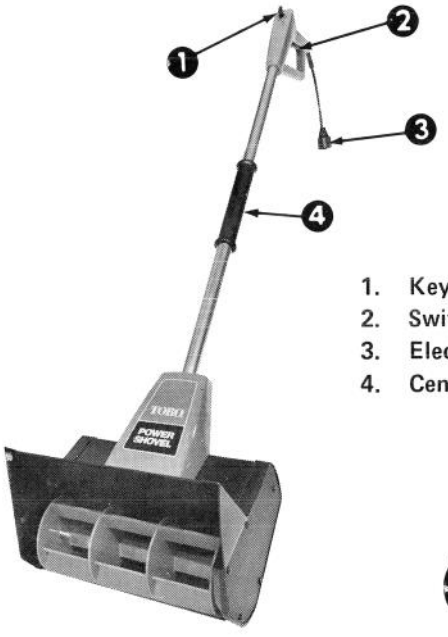
Figure 7



Figure 8

1. Screw

Know Your Controls



1. Key
2. Switch Bar
3. Electric Supply Cord
4. Center Handle Grip

Operating Instructions

REPARATION

Tie the TORO extension cord to the Power Shovel cord (Fig. 9) before connecting the two components to prevent separation during operation.

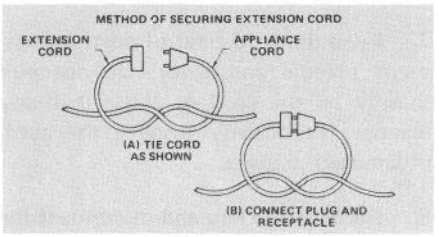


Figure 9

Then insert the TORO extension cord (Part No. 37-5950 or 39-1870) into wall outlet and insert key into key hole located on the front side of the control grip (Fig. 10).

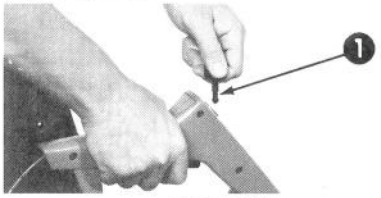


Figure 10

1. Key

⚠ CAUTION

Use only an extension cord suitable for outdoor use in cold temperatures.

STARTING/STOPPING

To start the Power Shovel, install the key and squeeze the switch bar; to stop, release the switch bar.

The Power Shovel comes equipped with a thermal overload switch designed to shut the unit off temporarily in the event of a current overload or excessive temperature. After a short cool down period, the unit will automatically reset and restart if the switch bar is again depressed.

⚠ WARNING

Disconnect the unit before inspecting, unclogging and cleaning the discharge area to prevent accidental starting. Accidental starting could cause personal injury.

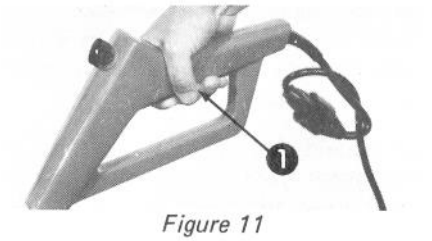


Figure 11

1. Switch Bar

OPERATING TIPS

1. Start the Power Shovel and tilt forward until the scraper blade contacts the ground. Push the Power Shovel forward at a rate of speed comfortable for the operator yet slow enough to clear path completely. The width and depth of the snow may govern the speed of travel.

2. Direct the snow to the right or left by holding the Power Shovel at a slight angle (Fig. 12).

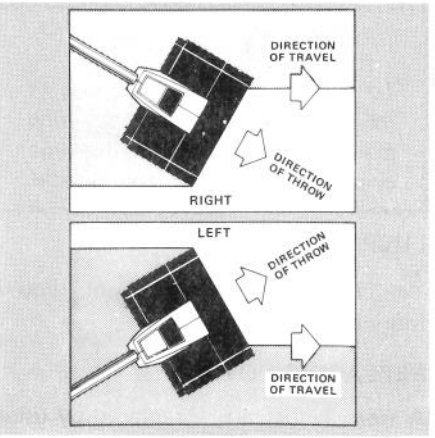


Figure 12

Operating Instructions

3. For the most efficient snow removal, throw the snow down wind, slightly overlaping each swath.

4. Keep the area to be cleaned clear of stones, toys or other foreign objects which may be picked up and thrown. Such items could be covered by snowfall and therefore be unnoticed until struck by the rotor. Always be sure to keep children and pets away from the area of operation.

5. Should you find it necessary to clear snow from over crushed rock or gravel, lower the handle grip, raising the edge of the scraper clear of loose material that could be thrown.

6. The Power Shovel is designed to remove snow up to 4" deep in one pass. When clearing deeper drifts, hold the unit by the upper control grip at the center handle grip and use a swinging or sweeping motion. Remove a maximum of 4" with each pass and repeat as many times as is required.

7. Keep the cord clear of obstructions, sharp objects and rotor. Do not pull sharply on the cord or abuse it in any manner. Frequently inspect the cord; if damaged, replace.

8. Remove the key and disconnect the extension cord when through using the Power Shovel. Do not misplace the key; store for safe keeping. Hang the Power Shovel by the control grip using a nail and the hole in the rear of the control grip. Hang the extension cord with the Power Shovel so it will not be misplaced or possibly damaged.

Maintenance

⚠ CAUTION

To prevent accidental starting of the Power Shovel while performing maintenance, disconnect extension cord and remove key from handle.

LUBRICATION

The Power Shovel does not require lubrication.

REPLACING ROTOR

A worn rotor can be replaced by using the following procedure:

1. Remove the rotor pin, locknut and washer using a 9/16" open end wrench and a 9/16" socket (Fig. 13).

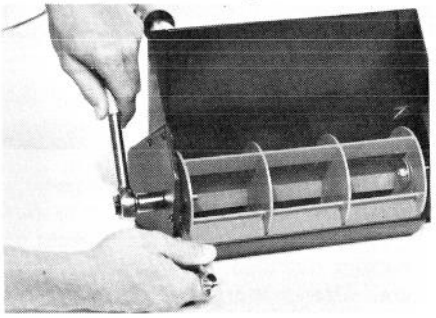


Figure 13

Maintenance

Remove the locknut and washer on the opposite end (Fig. 14).

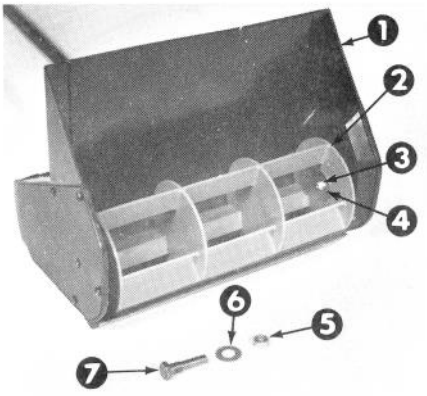


Figure 14

1. Power Shovel Housing
2. Rotor
3. Locknut
4. Washer
5. Locknut
6. Washer
7. Rotor Pin

3. Remove the rotor and felt washer (Fig. 15).

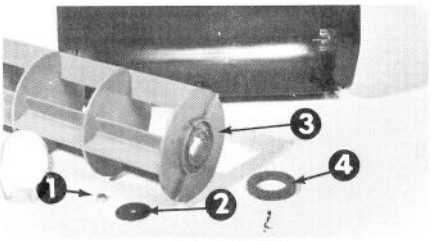


Figure 15

1. Locknut
2. Washer
3. Rotor
4. Felt Washer

4. Install new felt washer and rotor. Secure in place with the rotor pin, washers and locknuts. Tighten locknuts.

REPLACE SCRAPER

The scraper blade located on the bottom of the Power Shovel can be replaced if worn.

1. Remove the rotor; refer to Replacing Rotor, page 8 items 1 through 3.

2. Remove the three screws and locknuts used to hold the scraper blade in place. Remove scraper blade (Fig.16).

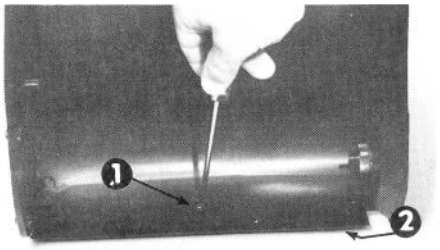


Figure 16

1. Screw
2. Scraper Blade

3. Attach new scraper blade taking care to hook scraper over front edge of housing. Secure with existing screws and locknuts, and tighten.

PREPARE POWER SHOVEL FOR STORAGE

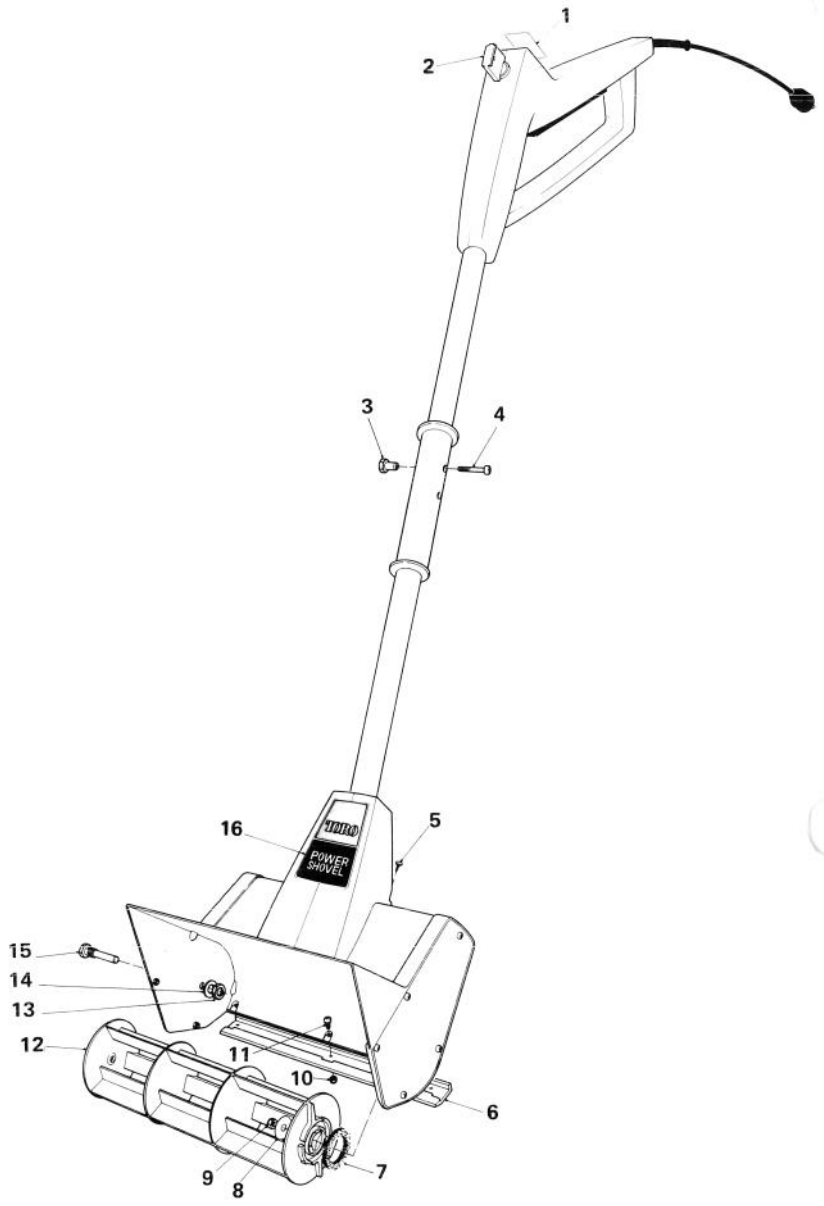
1. Examine the Power Shovel thoroughly for worn, loose or damaged parts. If parts repair or replacement is necessary, contact your local Authorized TORO Service Dealer for assistance.

2. Examine extension cord thoroughly for signs of excess wear or damage. If worn or damaged, replace with a genuine TORO replacement extension cord, Part No. 37-5950 or 39-1870. Contact your local Authorized TORO Service Dealer for genuine TORO replacement parts.

3. Store the Power Shovel in a clean, dry place and cover to provide protection.

4. Store the Toro extension cord with the Power Shovel to prevent misplacement.

Parts Catalog



Parts Catalog

Ref. No.	Part No.	Description	No. Used
1	42-2890	Decal - Control Grip	1
2	38-8310	Key	1
3	39-3710	Nut, Plastic Handle	2
4	39-3720	Screw, Handle	2
5	3250-20	Screw	2
6	41-9830	Scraper	1
7	38-8580	Washer - Felt	1
8	42-0070	Washer	1
9	3296-13	Locknut	1
10	3296-54	Locknut	3
11	3250-19	Screw	3
12	38-8170	Rotor	1
13	32146-21	Locknut	1
14	3256-24	Washer	
15	38-8210	Pin, Rotor	1
16	41-9840	Decal - Handle Support	1
*	37-5950	100' (30.5m) Deluxe Extension Cord	1
*	39-1870	100' (30.5m) Standard Extension Cord	1

*Optional

THE TORO PROMISE

TORO POWER SHOVEL
A FULL ONE YEAR WARRANTY

The Toro Company promises to repair any TORO Power Shovel if defective in materials or workmanship. The following time periods from the date of purchase apply:

Residential . . . . . 1 Year
Residential Products Used Commercially . . . . . 45 Days

The cost of parts and labor are included, but the customer pays the transportation costs. Just return any residential product to an Authorized TORO Service Dealer.

Should you feel your TORO Power Shovel is defective and wish to rely on The Toro Promise, the following procedure is recommended:

1. Contact any Authorized TORO Service Dealer, TORO Master Service Dealer, or TORO Distributor (the Yellow Pages of your telephone directory is a good reference source).
2. He will instruct you to either return the product to him or recommend another Authorized TORO Service outlet which might be more convenient.
3. Bring the product along with your original sales slip, or other evidence of purchase date, to the service dealer.
4. The servicing dealer will inspect the unit, advise you whether the product is defective and, if so, make all repairs necessary to correct the defect without extra charge to you.

If for any reason you are dissatisfied with the dealer's analysis of the defect or the service performed, you may contact us.

Write: TORO Consumer Service Department
8111 Lyndale Avenue South
Minneapolis, Minnesota 55420

THERE IS NO OTHER EXPRESS WARRANTY

THE TORO COMPANY IS NOT LIABLE FOR INDIRECT OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH THE USE OF THE PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Warranty applies only to parts or components which are defective and does not cover repairs necessary due to normal wear, misuse, accidents, or lack of proper maintenance. Regular, routine maintenance of the unit to keep it in proper operating condition is the responsibility of the owner.

All warranty repairs reimbursable under The Toro Promise must be performed by an Authorized TORO Service Dealer using Toro approved replacement parts.

Repairs or attempted repairs by anyone other than an Authorized TORO Service Account are not reimbursable under The Toro Promise. In addition, these unauthorized repair attempts may result in additional malfunctions, the correction of which is not covered by warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their TORO Distributor (Dealer) to obtain guarantee policies for your country, province or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

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