

MODEL NO. 41355 & 41357

OPERATORS MANUAL

ENCLOSED BOOM

for the MULTI PRO® 5500, WORKMAN® VEHICLE

To assure maximum safety, optimum performance, and to gain knowledge of the product, it is essential that you or any other operator of this equipment read and understand the contents of this manual before the vehicle engine is ever started. Pay particular attention to the SAFETY INSTRUCTIONS highlighted by the triangular safety alert symbol.

The safety alert symbol means CAUTION, WARNING, or DANGER — personal safety instruction. Failure to comply with the instruction may result in personal injury.

FOREWORD

You have purchased a product from the industry leader in maintenance excellence. Its future performance and dependability are of prime importance. TORO is also concerned about future use of the product and of safety to the user. Therefore, this manual must be read by you and those involved with the ENCLOSED BOOM to assure that safety, proper set-up, operation and maintenance procedures are followed at all times. The major sections of the manual are:

1. SAFETY INSTRUCTIONS 2. OPERATING INSTRUCTIONS 3. BEFORE SPRAYING 4. MAINTENANCE AND STORAGE

Safety, mechanical and some general information in this manual are emphasized. DANGER, WARNING and CAUTION identify safety messages. Whenever the triangular safety symbol appears, it is followed by a safety message that must be read and understood. For more details concerning safety, read the Safety Instructions on this page and page 2.

IMPORTANT identifies special mechanical information and NOTE identifies general information worthy of special attention. These instructions are provided as a guide for the safe operation and maintenance of this equipment. However, the operator's personal safety, as well as the persons in the work area, will depend on the careful actions and good judgement of the operator. To reduce the potential for injury or death, comply with the following safety instructions.

ASAFETY INSTRUCTIONS

Keep this Operator's Manual in the plastic tube behind the operator seat.

It is very important that all persons operating this equipment have easy access to these instructions at all times!

Carefully read and follow the "Set-up" Instructions that are provided with this equipment and the Safety Instructions in the MULTI-PRO® 5500 or WORKMAN® Vehicle Manual and Spray Systems Operators Manual.

BEFORE OPERATING:

1. Operate this machine only after reading and understanding the contents of this manual. A

replacement manual is available by sending complete model and serial number to: **Hahn Equipment Co.**, A subsidiary of The Toro Company, 1625 N. Garvin, Evansville, IN 47711

ASAFETY INSTRUCTIONS

- 2. Learn how to operate the Sprayer and how to use the controls properly. DO NOT let anyone operate this equipment without first receiving thorough instructions.
- 3. Keep all shields, safety devices and decals in place. If a shield, safety device or decal is malfunctioning, illegible or damaged, repair or replace it before operating the machine.
- **4.** Chemicals can injure persons, animals, plants, soils or other property. To eliminate environmental damage and personal injury.
 - A. Select the proper chemical for the job.
 - B. Follow manufacturer's instructions on chemical container labels. Apply and handle chemicals as recommended.
 - C. Handle and apply chemicals with care. Wear goggles and other necessary protective equipment. Handle chemicals in well ventilated areas. Never smoke while handling chemicals.
 - **D.** Properly dispose of chemical container and unused chemicals.
- 5. Drive the Vehicle slowly.

NOTE: If installing this boom on a WORKMAN® be aware that the boom adds additional weight to the sprayer. Refer to the BEFORE OPERATING Section of this manual for maximum tank fill capacities.

WHILE OPERATING:

- 1. DO NOT OVERLOAD THE VEHICLE. Failure to position loads carefully can result in their shifting or tipping over. Distribute loads evenly, keeping them as low as possible to prevent them from becoming too top-heavy.
- 2. Make certain everyone is clear of the machine before starting the engine to move the vehicle or to engage the sprayer pump drive.
- **3.** This attachment adds extra height to the vehicle when the booms are in the raised position. Drive the vehicle safely:
 - A Always SLOW the vehicle when approaching and while making a turn.
 - **B.** Always SLOW the Vehicle when driving in unfamiliar areas or over rough terrain.
 - **C.** Always SLOW the Vehicle when changing direction of travel or preparing to stop.

- **D.** When turning or driving on slopes, always SLOW the Vehicle, then turn the Vehicle to prevent loss of control and possible upset. **E. DO NOT** make sudden or sharp turns. **DO NOT** suddenly change direction of travel on an incline, ramp, grade, slope or similiar surface.
- F. Always adjust the vehicle speed to allow for existing conditions such as wet or slick surfaces, low visibility, etc.
- G. Be especially careful when driving a heavily loaded vehicle down an incline or slope. Drive the vehicle UP and DOWN the face of the slopes, inclines or grades whenever possible. DO NOT DRIVE across the face if at all possible. There is a risk of upsetting the vehicle, which can result in serious injury or death.
- **4.** Before backing up, look to the rear and assure no one is behind. Back up slowly.
- **5.** Watch out for traffic when near or crossing roads. Always yield the right of way to pedestrians and other vehicles.
- **6.** If equipment begins to vibrate abnormally, stop immediately. Shut off the vehicle engine and disengage all power. Repair all damage before commencing operation.
- **7.** Before servicing or making any adjustments to the Sprayer:
 - A Stop the vehicle and set the parking brake.
 - **B.** Shut off the vehicle's engine and remove key from ignition.
 - **C.** Disengage all power and wait until all moving parts have stopped.
 - **D.** In order to avoid electric shock, inspect the area overhead for wires before raising booms.
 - **E.** Always use caution while operating the booms near low clearance areas.
- **8.** Keep all nuts, bolts and other fasteners tightened securely. Replace any shields removed during servicing or adjustments.
- **9.** To assure optimum performance and continued safety of this product, always use genuine TORO replacement parts and accessories. Replacement parts and accessories made by other manufacturers may affect the product's operation, performance or durability. Such use could also void the warranty of The Toro Company.

SAFETY AND INSTRUCTION DECALS



Part No. 94-8701 Located on Center Section Ends and on Boom Extension Hoods near Actuator Link.



Part No. 92-2660 Used on WORKMAN only. Located on the Switch Bracket

ELEC. BOOM 30 AMP 92-2664

Part No. 92-2664 Located near Fuse Block



- THIS ATTACHMENT MAY CAUSE THE OVER ALL GROSS VEHICLE WEIGHT TO BE EXCEEDED WHEN USED IN COMBINATION WITH OTHER ATTACHMENTS.
- EXCEEDING THE GROSS VEHICLE WEIGHT CAN CAUSE INJURY OR DEATH DUE TO REDUCED HANDLING, BRAKING AND STABILITY.
- ALWAYS REDUCE PAYLOAD TO MAINTAIN VEHICLE WEIGHT WITHIN GROSS VEHICLE WEIGHT RATING.

 SEE OPERATOR'S MANUAL STOR ADDITIONAL INFORMATION.

Part No. 94-8609 Workman® Vehicle only -Located on either side of the rear Spray Tank Band and Hose Reel, if equipped with one. Enclosed Boom - Located on rear left side of Center Section.

ACAUTION

IMPROPER LIFTING PROCEDURE WHEN FORWARD FOLDING THE BOOM EXTENSION COULD RESULT IN PERSONAL INJURY.

FOLLOW THE FORWARD FOLD INSTRUCTIONS DECAL LOCATED NEAR THE END OF THE BOOM EXTENSION.

ALSO READ AND UNDERSTAND THE INSTRUCTIONS IN OPERATORS MANUAL.

Part No. 94-8703 Located on the Boom Extension Hoods.

FORWARD FOLD INSTRUCTIONS.
NOTE: ACTUATOR MUST BE FULLY EXTENDED TO FORWARD FOLD EXTENSION BOOM











Part No. 94-8702 Located on Boom Extension curved Castor Wheel Mount

BEFORE OPERATING



WARNING

- This attachment may cause the overall gross vehicle weight to be exceeded when used in combination with other attachments
- Exceeding the gross vehicle weight can cause injury or death due to reduced handling, braking and stability.
- Always reduce payload to maintain vehicle weight within gross vehicle weight rating.
- See the OPERATORS MANUAL for additional information.

MAXIMUM PAYLOAD

NOTE: The following applies to the <u>WORKMAN®</u> Vehicle only.

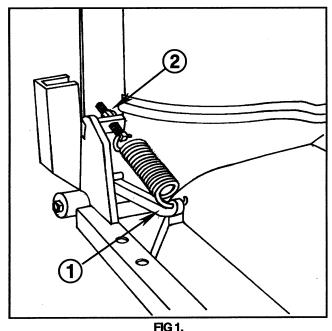
- 1. Only fill the spray tank to $\underline{175~U.S.~gallons}$ total. When using an ENCLOSED BOOM with the $\underline{WORKMAN}^{\circ}$.
- 2. If the WORKMAN® vehicle is equipped with a <u>Hose Reel</u> reduce the spray tank capacity an additional 20 U.S. gallons to <u>155 U.S. gallons</u> total.

OPERATING INSTRUCTIONS

OPERATION

BOOM EXTENSION BREAKAWAY:

- 1. The Breakaway Latch is spring loaded to provide the required tension to keep the extension rigid until severe impact dislodges it.
- 2. If the Extension Boom releases too easily the tension can be increased by tightening the nut. See FIG. 1



1.Breakaway Latch 2. Tension Adjuster

TRANSPORTING BOOM IN VERTICAL POSITION:

1. Use the Up/Down switches to raise or lower the right or left booms.



CAUTION

- Improper Boom Extension lifting or lowering procedure could cause personal injury or death to the operator or a bystander.
- When lifting the Boom Extensions, always be aware of your surroundings.
 Do NOT operate near bystanders or other equipment. Be aware of overhead power lines which could cause electrical shock.
- On slopes the Boom Extensions should only be lowered with the vehicle facing up or down the slope
- Do not attempt to lower Boom Extensions on a slope with the Enclosed Boom oriented parallel to slope (vehicle perpendicular) for they can drop suddenly.

BOOM EXTENSION FORWARD FOLD:



CAUTION

- Use proper lifting procedures when lifting the Extension Boom into the forward fold position.
- Failure to follow proper lifting procedures could result in personal injury.
- Follow the Forward Fold Instructions Decal located near the end of the Boom Extension.
- Also read and understand the instructions in OPERATORS MANUAL.



CAUTION

- Chemical residue may be on the Boom Extension.
- · Chemicals are hazardous and can cause personal injury.
- Wear appropriate safety equipment when forward folding Boom Extension.

NOTE: The actuators must be fully extended for the booms to fold forward.

- 1. Stand at the end of the boom facing the center of the machine. Grasp the Castor Arm and give a pull towards the rear. This will release the breakaway.
- 2. Grasp the Castor Arm and lift to rotate back to
- 3. Use your other hand to grasp the bottom of the shroud and lift the boom to chest height.
- 4. Walk with the boom towards the sprayer. Insert the transport pin into the receiver. Be sure to secure the safety clip to the forward loop. See FIG. 2.



WARNING

- Failure to secure the Safety Clip to the Safety Clip Anchor while transporting the Extension Booms in forward fold could allow the Boom Extension transport pin to come out of the pin receiver and the Boom Extension to be unsecured.
- An unsecured Boom Extension could cause personal injury or death to a bystander or other machine operator.
- Ensure that the Safety Clip is secured to the Safety Clip Anchor.

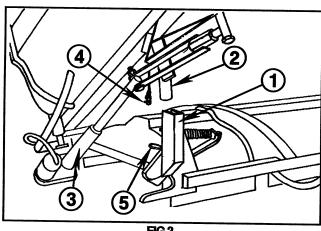


FIG 2.

1. Pin Receiver 2. Transport Pin

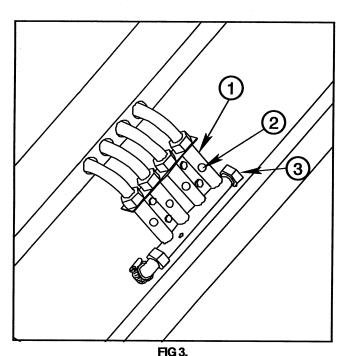
4. Safety Clip 5. Safety Clip Anchor

3. Actuator

NOTE: A pictorial Forward Fold instruction **Decal is located on the Boom Extension Castor** Arm Mount

FLOW MONITOR:

- 1. Each boom section has a flow monitor mounted in the operator's view. The monitor has four sight tubes; each tube contains a weighted ball that floats when there is flow to the corresponding nozzle.
- 2. When there is flow, all the floating balls should be at the same level. If a ball is lower than the others, this indicates a clogged nozzle. See FIG. 3.



- 1. Flow Monitor
- 3. Swivel Nut
- 2. Stainless Steel Ball
- **3.** If all the balls cannot be made to come up to the same level, check the flow in the lines to see if the flow is equal in all lines.
- **4.** The center boom section monitor contains only three floating balls and one sight tube is blocked off that is not in use.

IMPORTANT: Freezing temperatures will damage the monitors if the water is not drained completely!

5. To drain the Flow Monitor remove the Swivel Nut on the capped end of the Flow Monitor.

MAINTENANCE

BOOM EXTENSION ADJUSTMENT:

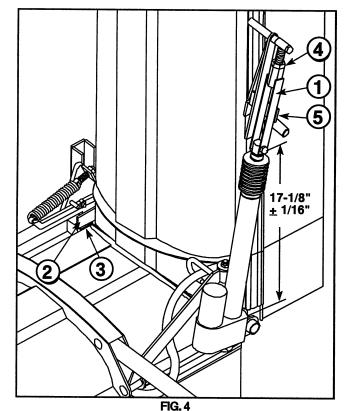
After every 200 operating hours or annually, check movement of Extension Boom while in vertical transport position.

IMPORTANT: The Electric Boom Extension Lifts must be properly adjusted to operate correctly. Improper adjustment could damge the Boom.

A

CAUTION

- The adjustment of the Electric Boom Extension Lifts requires that the Actuator be separated from the Actuator Adjustment Link which leaves the Boom Extension unsupported.
- An unsupported Boom Extension could fall and cause personal injury or death.
- Use additional support for the Boom Extension when adjusting the Electric Boom Extension.
- It is recommended that the Boom Extension Electric Lift adjustments be done with two people.
- 1. Use the Up/Down switches to raise the Boom to the upright position until the Stop on the front corner of the Boom Extension just makes contact with the contact pad on the Center Boom.



- 1. Actuator Adjustment Link
- 4. Jam Nut

Stop

- 5. Actuator Link Stop
- 3. Contact Pad
- 2. Measure the length of the Actuator. It should be $17-1/8" \pm 1/16"$ from the face of the Actuator Front Housing to the cap screw. (FIG. 4)

3. If the measurement is incorrect, remove the hex hd screw that attaches the Actuator Link to the Actuator, loosen the Jam Nut and rotate the Actuator Link to change the length to the specification. Replace the hex hd screw and nut ensuring that the link can pivot freely. Re-tighten the Jam Nut, ensuring that the Actuator Link rests squarely on the Actuator Link Stop in the raised position.

NOTE: If the Actuator has more than the above specification this will bend the frame of the Extension Boom when the Actuator is fully contracted. Less than specification will cause excessive movement during vertical transport.

HOSE CLAMPS:



CAUTION

- Chemicals are hazardous and can cause personal injury!
- Securely tighten all sprayer hose clamp connections during regular intervals to prevent leaks and hose blow-offs while spraying system is in operation.
- 1. Tighten Hose Clamps every 200 hours, or annually.

GENERAL MAINTENANCE:

DAILY: Grease fittings on Boom Mount, Castor Mounts and Castor Wheels.

STORAGE

FLUSH BOOM AFTER USE:

1. Flush the entire system with a solution that will chemically neutralize the liquid in the monitors. Mix according to manufacturers directions. This will dissolve most residue remaining in the monitor.

NOTE: The flow monitors will discolor if proper flushing procedures are not adhered to.

2. The flow monitor is susceptible to discoloration if exposed to direct sunlight for several years. To reduce the effect of sunlight, store the monitor indoors or cover when not in use.

IMPORTANT: Freezing temperatures will damage the monitors if the water is not drained completely. See FLOW MONITOR Operating Instructions for draining procedure.

NOTES

BEFORE SPRAYING

IMPORTANT: The Enclosed Boom nozzle bar is fixed at 15" height and 20 inch spacing. Use only Flat Fan 110° tips to maintain proper calibration.

NOZZLE SELECTION

See the SPRAY NOZZLE SELECTION CHART to be sure that your spray nozzles have the capacity necessary to achieve the application rate selected.

To select the proper nozzle, you need to know:

- 1. Recommended chemical application rate in gallons per acre, gallons per 1000 sq. ft. or liters per hectare.
- 2. Average Vehicle speed in Miles per hour or kilometers per hour.
- 3. Nozzle spacing (20 inches or 50 centimeters.)

With this information you can calculate the volume per minute per nozzle, using the formulas below.

US FORMULA:

G.P.M. = <u>G.P.A x M.P.H. x 20 ins.</u> (Per Nozzle) 5940

TU (Turf) FORMULA:

G.P.M. = <u>G.P.K x M.P.H. x 20 ins.</u> (Per Nozzle) 137

SI (METRIC) FORMULA:

lit/min = lit/ha x km/h x 50 cm (Per Nozzle) 60,000

Use G.P.M. (lit/min) and Pressure to select appropriate nozzle from chart on page 9.

EXAMPLE (US FORMULA)

Application Rate = 75 Gallons/Acre Vehicle Speed = 4 M.P.H. Nozzle Spacing = 20 inches

75 G.P.A. x 4 M.P.H. x 20 = 1.00 G.P.M. 5940 (per nozzle)

With 1.00 G.P.M. and a pressure of 40 P.S.I. you would select Nozzle No. 94-8718

EXAMPLE (TU FORMULA)

Application Rate = 1.70 Gal./1000 sq. ft. Vehicle Speed = 4 M.P.H. Nozzle Spacing = 20 inches

1.70 G.P.K. x 4 M.P.H. x 20 = 1.00 G.P.M. (per nozzle)

EXAMPLE (SI FORMULA)

Application Rate = 907 lit/hectare Vehicle Speed = 5 km/h Nozzle Spacing = 50 cm

907 lit/ha x 5 km/h x50 60.000 = 3.78 lit/min. (per nozzle)

With 3.78 G.P.M. and a pressure at 275 kPa you would select nozzle No. 94-8718

SYMBOL DEFINTIONS:

GPM - Gallons per minute
lit/min - Liters per minute
dl/min - Deciliter per minute
PSI - Pounds per square inch

kPa - Kilopascal
GPA - Gallons per acre
lit/ha - Liters per hectare
ml/ha - Milliliter per hectare
GPK - Gallons per 1,000 sq. ft.

mm - Millimeters cm - Centimeters dm - Decimeters m - Meter

MPH - Miles per hour km - Kilometers

km/h US - Kilometers per hour - Volume per ACRE SI - Volume per HECTARE TU - Volume per 1,000 sq. ft.

LIQUID CONVERSIONS:

U.S. Gallons x128 = Fluid Ounces

U.S. Gallons x 3.785 = Liters

U.S. Gallons x 0.83267 = Imperial Gallons U.S. Gallons x 8.34 = Pounds (Water)

LENGTH:

1 millimeter (mm) = 0.039 inch 1 centimeter (cm) = 0.393 inch 1 meter (m) = 3.281 feet 1 kilometer (km) = 0.621 mile 1 inch = 25.4 millimeters; 2.54 centimeters

1 mile = 1.609 kilometers

PRESSURE:

1 psi = 6.89 kPa

AREA:

1 square meter = 10.764 sq. feet 1 hectare (ha) = 2.471 acres; 10,000 sq. meters 1 acre = 0.405 hectare; 43,560 sq. ft. 1 sq. mile = 640 acres; 258.9 hectares

SPRAY NOZZLE SELECTION CHART

TORO	Nozzle	Pressure	Capacity	APPLICATION RATES FOR NOZZLES							
Part No.	Number	(PSIG)	1-Nozzie	20" SPACING							
	Color-Code		(GPM)	GALLONS PER ACRE GALLONS PER 1000 SQ. F					FT		
			,	3 MPH	4 MPH	5 MPH	6 МРН	3 МРН	4 MPH	5 MPH	6 MPH
94-8714	XR11004VS		.28	28	21	17	14	0.64	0.48	0.39	0.32
	110°	30	.35	34	26	20	17	0.78	0.60	0.46	0.32
	Red	40	.40	40	30	24	20	0.92	0.69	0.55	0.46
		50	.45	44	33	27	22	1.01	0.76	0.62	0.51
	XR11005VS		.36	35	26	21	17.5	0.80	0.60	0.48	0.40
94-8715	110°	30	.44	42	32	26	21	0.96	0.73	0.60	0.48
	D.	40	.50	50	37	30	25	1.15	0.85	0.69	0.57
	Brown	50	.56	56	42	33	28	1.29	0.96	0.76	0.64
	XR11006VS	20	.43	42	32	25	21	0.96	0.73	0.57	0.48
94-8716	110°	30	.52	52	39	31	26	1.19	0.90	0.71	0.40
	0,,,,,	40	.60	60	45	36	30	1.38	1.03	0.83	0.69
	Gray	50	.67	66	50	40	33	1.52	1.15	0.92	0.76
	XR11008VS	20	.57	56	42	34	28	1.29	0.96	0.78	0.64
94-8717	1100	30	.70	68	51	41	34	1.56	1.17	0.94	0.78
	White	40	.80	80	59	48	40	1.84	1.35	1.10	0.92
		50	.90	88	66	53	44	2.02	1.52	1.22	1.01
94-8718	XR11010SS	20	.71	70	53	42	35	1.61	1.22	0.96	0.80
	110°	30	.87	86	64	51	43	1.97	1.47	1.17	0.99
	Stainless	40	1.0	100	74	59	50	2.30	1.70	1.35	1.15
		50	1.1	110	83	66	55	2.53	1.91	1.52	1.26
	XR11015SS	20	1.1	106	79	63	53	2.43	1.81	1.45	1.22
94-8719	110°	30	1.3	128	96	77	64	2.94	2.20	1.77	1.47
	Stainless	40	1.5	148	111	. 89	74	3.40	2.55	2.04	1.70
	Stanness	50	1.7	166	125	100	83	3.81	2.87	2.30	1.91

TORO	Nozzle	Pressure	Capacity	APPLICATION RATES FOR NOZZLES					
Part No.	Number	(kPa)	1-Nozzie	50 cm SPACING			LES		
	Color-Code		(L/min)	LITERS PER HECTAREE					
	XR11004VS	450		5 km/h	6 km/h	8 km/h	10 km/h		
	1 1	150	0.56	134	112	84	67		
94-8714	110°	200	0.64	155	129	97	77		
	Red	275	0.76	181	151	113	91		
		350	0.85	205	171	128	102		
	XR11005VS	150	1.40	335	279	209	167		
94-8715	110°	200	1.61	387	322		193		
	1 1	275	1.89	453	378		227		
	Brown	350	2.13	512	426		256		
	XR11006VS	150	1.67	402	335		201		
94-8716	110°	200	1.93	464	387		232		
	1	275	2.27	544	453		272		
	Gray	350	2.56	614	512		307		
	XR11008VS	150	2.23	536	447		268		
94-8717	110°	200	2.58	619	516		309		
04-0717		275	3.02	726	605	· ·			
	White	350	3.41	819	682	PACING HECTAREE 8 km/h 84 97 113	363		
	XR11010SS	150	2.79	670	558		409		
94-8718	110°	200	3.22	773	645		335		
		275	3.78	907	756		387		
	Stainless	350	4.26	1023	853	PACING HECTAREE 8 km/h 84 97 113 128 209 242 283 320 251 290 340 384 335 387 453 512 419 483 567 640 630 735 855	453		
	XR11015SS	150	4.18	1008	840		512		
94-8719	110°	200	4.84	1176	980		504		
	110	275	5.67	1368	1140		588		
	Stainless	350	6.40	1536	1280		684 768		

N(0)||={5}



Helping you put quality into play.®

The Toro Promise A One Year Limited Warranty

The Toro Company promises to repair your Model 41355 ENCLOSED BOOM for the MULTI-PRO® 5500 and WORKMAN® Vehicles if defective in materials or workmanship. The following time periods from the date of purchase apply special warranty terms, on certain components, may be offered through The Toro Company by the component manufacturers:

Commercial	Products.	 Veal
Outilities ciai	i i ouucis.	 I Cal

The cost of parts, labor and transportation are included.

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

- 1. Contact your Authorized TORO Distributor or Commercial Dealer (the Yellow Pages of your telephone directory is a good reference source).
- 2. The TORO Distributor or Commercial Dealer will advise you on the arrangements that can be made to inspect and repair your product.
- 3. The TORO Distributor or Commercial Dealer will inspect the product and advise you whether the product is defective and, if so, make all repairs necessary to correct the defect without an extra charge to you.

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

Write:

TORO Commercial Products Service Department 8111 Lyndale Avenue South Bloomington, MN 55420-1196

The above remedy of product defects through repair by an Authorized TORO Distributor or Commercial Dealer is the purchaser's sole remedy for any defect.

THERE IS NO OTHER EXPRESS WARRANTY.
ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED
TO THE DURATION OF THE EXPRESS WARRANTY.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation 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 Commercial Dealer or Distributor using Toro approved replacement parts.

Repairs or attempted repairs by anyone other than an Authorized TORO Distributor or Commercial Dealer 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.

THE TORO COMPANY IS NOT LIABLE FOR INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH THE USE OF THE PRODUCT INCLUDING ANY COST OR EXPENSE OF PROVIDING SUBSTITUTE EQUIPMENT OR SERVICE DURING PERIODS OF MALFUNCTION OR NON-USE.

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

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.