



WALKER

H14: Debris Blower

Operator's Manual

Safety, Assembly, Operating and Maintenance Instructions

H14 compatible with Models MC, MD, MT, MS



Please Read and Save These Instructions

For Safety, Read All Assembly and Operation Instructions
Prior to Operating Attachment

Beginning S/N: 21303044

Effective Date 11.11.13

P/N: 6680-3



Foreword

Thank you. . .for purchasing a Walker Debris Blower. Every effort has been made to provide you with the most reliable machine on the market, and we are sure you will be among our many satisfied customers. If for any reason this product does not perform to your expectations, please contact your local dealer. Every customer is important to us. Your satisfaction is our goal.

Please. . .read this manual thoroughly! Before you operate your machine, please read this entire manual. Some of the information is crucial for proper operation - it will help protect your investment and ensure that the machine performs to your satisfaction. Some of the information is important to your safety, and must be read and understood to help prevent possible injury to the operator or others. If anything in this manual is confusing or hard to understand, please contact your local authorized dealer or call our service department, at (970) 221-5614, for clarification before operating or servicing this machine.

This manual covers the H14 Debris Blower.

All shields and guards must be in place for the proper and safe operation of this machine. Where they are shown removed in this manual, it is for illustration purposes only. **Do not operate this machine unless all shields and guards are in place.**

Walker Mfg. Co. is continually striving to improve the design and performance of its products. We reserve the right to make changes in specifications and design without thereby incurring any obligation relative to previously manufactured products.

Sincerely,

WALKER MANUFACTURING COMPANY

Bob Walker, President

Table of Contents

GLOSSARY	iii
IDENTIFYING NUMBER LOCATIONS	iii
UNIT DESCRIPTION	iv
SPECIFICATIONS	iv
Safety Instructions	1
BEFORE OPERATING	2
OPERATING	3
MAINTENANCE	4
Decals	6
Assembly	7
Installation	8
Operation	12
PREOPERATION CHECKLIST	12
DEBRIS BLOWER CONTROLS	13
DEBRIS BLOWER OPERATION	14
STOPPING THE MACHINE	15
Removing and Storage	17
Maintenance	18
MAINTENANCE SCHEDULE CHART	18
LUBRICATION	18
REPLACING/REPAIRING	19
ADJUSTMENTS	20
PARTS LIST/DIAGRAM	23
WARRANTY	28

HIGHLIGHTED INFORMATION

Walker Manufacturing recommends that any service requiring special training or tools be performed by an authorized Walker Mower Dealer. There are several general practices to be aware of in the area of safety. Most accidents associated with the operation or maintenance of a Walker product are caused by disregarding basic safety precautions or specific warnings. Such accidents, in most cases, can be prevented by being aware of the dangers present. Information of special importance has been highlighted in bold type.

GLOSSARY

There are many terms that are either unique to this equipment or that are used as acronyms. The following terms and their definitions will help while using this manual.

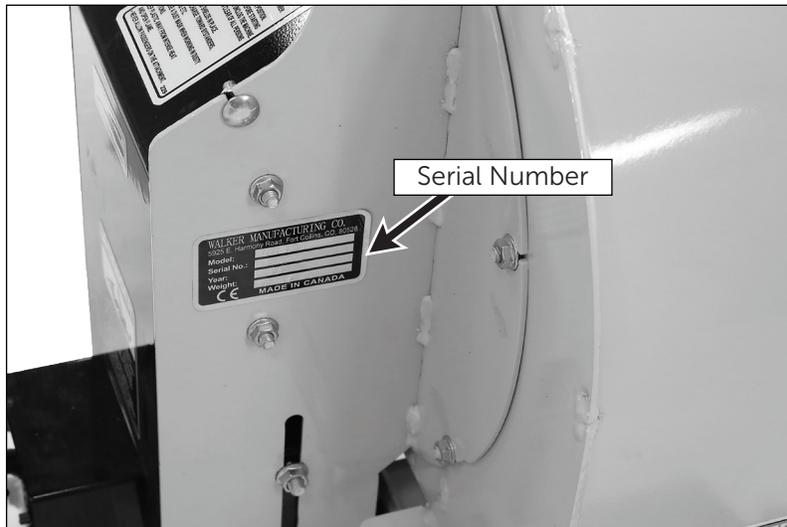
- **FORWARD SPEED CONTROL (FSC)** controls the maximum forward speed of the tractor; functioning as a cruise control.
- **IMPLEMENT** refers to the debris blower used with the tractor with an implement hitch installed.
- **LEFT HAND (LH)** refers to the left-hand side of the machine when the operator is seated facing forward in the tractor seat.
- **MACHINE** consists of the implement installed on the tractor, functioning as a single unit.
- **POWER TAKE-OFF (PTO)** transmits engine power to run the debris blower.
- **RIGHT HAND (RH)** refers to the right-hand side of the machine when the operator is seated facing forward in the tractor seat.
- **TRACTOR** is the prime mover, including the engine, drivetrain, operator seat, and controls to operate the implement.

IDENTIFYING NUMBER LOCATIONS

The debris blower serial number is affixed to the RH side of the debris blower head frame. Model and serial numbers are helpful when obtaining replacement parts and maintenance assistance. For ready reference, please record these numbers in the space provided.

Debris Blower Model No. _____
Debris Blower Serial No. _____
Date of Purchase _____

Fill In By Purchaser



**Debris Blower Serial Number Location
(Rear View and RH View)**

UNIT DESCRIPTION

The debris blower is used for parking lot cleaning and leaf control. It is raised and lowered automatically with the lift control switch. The debris blower is powered by the tractor PTO through the PTO shaft. An operator soft cab is available for MC (A13), MT and MD (A14) models.

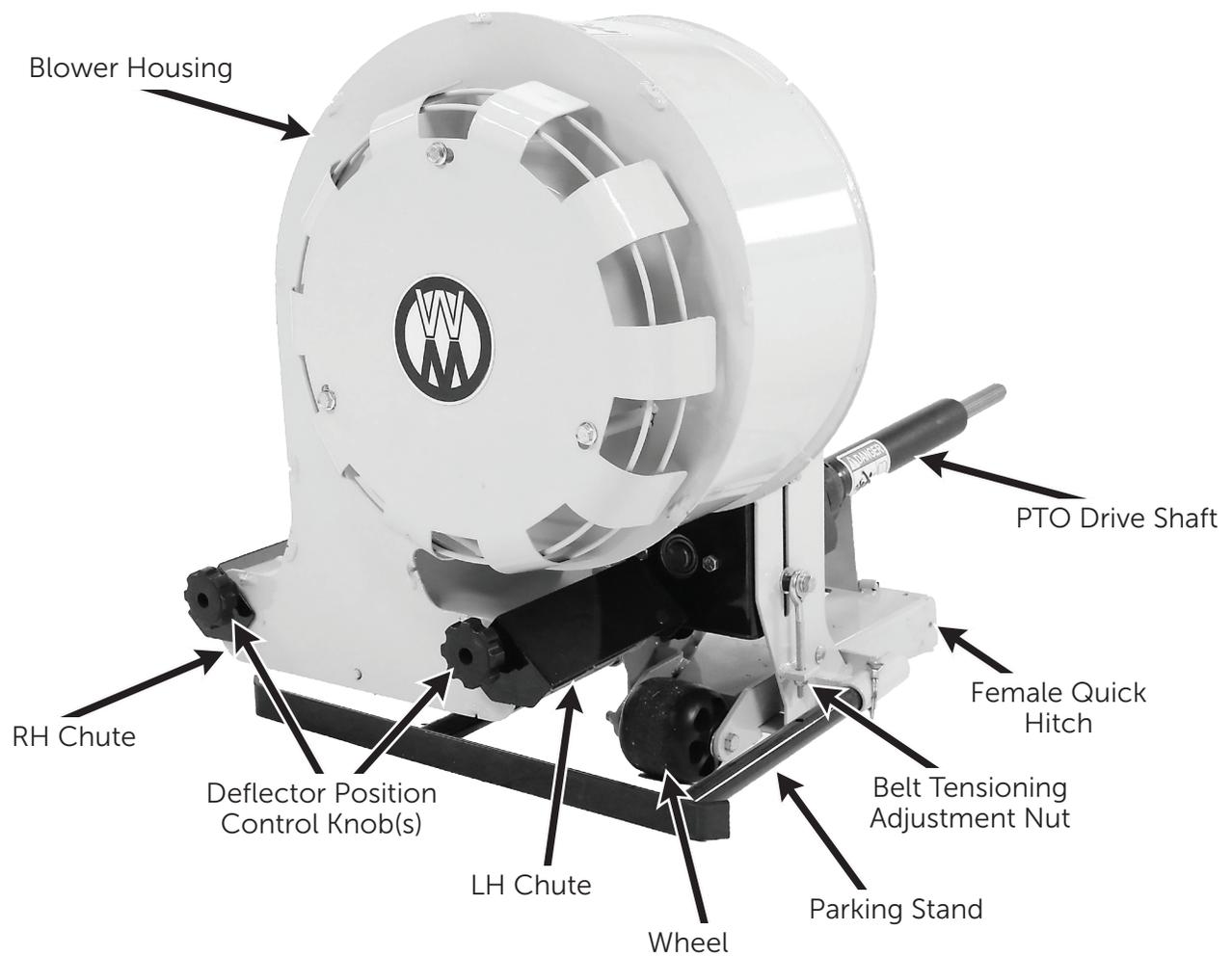
SPECIFICATIONS

DEBRIS BLOWER

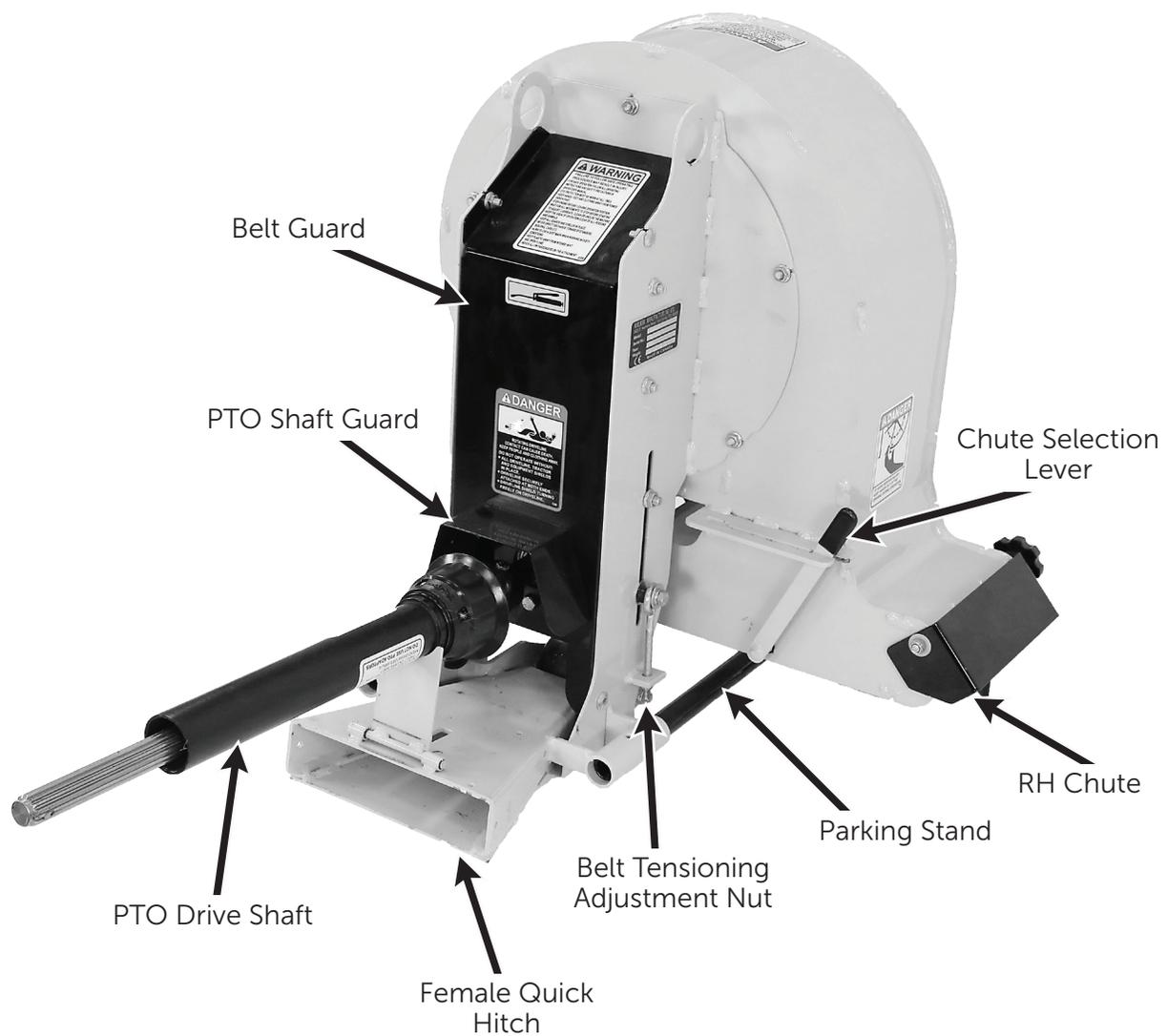
Height in. (cm)	29 (74)
Width in. (cm)	25-1/2 (65)
Length with PTO drive shaft in. (cm)	42-1/2 (108)
Overall Length Installed on Tractor in. (cm)*	94-1/4 (239)
Weight With Female Hitch lb (kg)	124 (56)
Lift	12 Volt DC Electric Ram Linear Actuator, Operated by Toggle Switch Mounted on FSC Lever
Hitch System	Patented Quick Hitch System
Type Blower	13-3/4 in. (35 cm) Diameter, 7 in. width, 6-blade Aluminum Impeller, Clockwise Rotation
Blower Drive	PTO Shaft Driving Blower Wheel
Recommended RPM	3600 RPM (4000 RPM Maximum)
Airflow ft ³ /min (m ³ /s)	2000 (0.95)
Approximate Required Horsepower hp (kw)	14 (10.4)
Noise Level at 4000 RPM	90 dB
Air Velocity mph (km/h)	Mean: 135 (217) Maximum: 160 (257)
Discharge Angle Adjustment	Chute Direction Selection of Left or Right by Chute Selection Lever; Adjustable from Operator Seat
Outlet Area in ² (cm ²)	26 (66)

* Debris blower installed on MC19i

NOTE: The manufacturer reserves the right to make changes in specifications shown herein at any time without notice or obligation.



Debris Blower Front View and Left Side View (Not Installed)



Debris Blower Rear View and Right Side View (Not Installed)

Safety Instructions

Pay particular attention to any information labeled **DANGER**, **WARNING**, **CAUTION**, **IMPORTANT**, and **NOTE** in this manual.

When you see the Safety Alert Symbol (), read, understand, and follow the instructions. Failure to comply with safety instructions may result in personal injury.

The seriousness or degree of importance of each type of information is defined as follows:

DANGER

An **IMMEDIATE** hazard that **WILL** result in severe personal injury or **DEATH**, if warning is ignored and proper safety precautions are not taken.

WARNING

A **POTENTIAL** hazard that **COULD** result in severe personal injury or **DEATH**, if warning is ignored and proper safety precautions are not taken.

CAUTION

Possible hazards or unsafe practices that **MAY** result in **MODERATE** personal injury or property damage, or machine damage, if warning is ignored and proper safety precautions are not taken.

IMPORTANT: Identifies mechanical information demanding special attention, since it deals with the possibility of damaging a part or parts of the machine.

NOTE: Identifies information worthy of special attention.

Walker Manufacturing cannot predict every potentially dangerous situation. Therefore, items labeled as such in this manual do not cover all conceivable situations. Any person using procedures, tools, or control techniques not recommended by Walker Manufacturing must take full responsibility for safety. The Walker tractor and implement attachments have been designed with many safety features to protect the operator from personal harm or injury. However, it is necessary for the operator to use safe operating procedures at all times. Failure to follow safety instructions contained in this manual may result in personal injury or damage to equipment or property. If you have any questions concerning setup, operation, maintenance, or safety, please contact your authorized Walker Mower dealer or call Walker Manufacturing Company at (970) 221-5614.

BEFORE OPERATING

1. **Read and understand the contents of this Operator's Manual before operating the machine.** Become thoroughly familiar with all controls and how to stop the machine and disengage the controls quickly. Replacement Operator's Manuals are available by sending the model and serial number to:

Walker Manufacturing Company

5925 E. Harmony Road

Fort Collins, CO. 80528

2. **Never allow children to operate or give rides on the machine.** Do not allow adults to operate without proper instruction.
3. Do not allow anyone other than the operator on the machine.
4. Keep everyone, especially children and pets, a safe distance away from the area being cleaned. **Do not operate with bystanders in the area.**
5. Do not operate the machine wearing sneakers, tennis shoes, or similar lightweight footwear. **Wear substantial protective footwear that will improve footing on slippery surfaces.**
6. Leaves can sometimes hide objects that might cause damage. Clear the area of doormats, boards, wires and other debris.
7. Do not wear loose fitting clothing that could get caught in moving parts. **Always wear adequate protective clothing** including long pants. Wearing safety glasses, safety shoes, and a helmet is advisable and required by some local ordinances and insurance regulations.
8. Prolonged exposure to loud noise can cause impairment or loss of hearing. **Operator hearing protection is recommended.** Wear a suitable hearing protective device such as earmuffs or earplugs.
9. **Keep all protective shields and safety devices in place.** If a protective shield, safety device, or decal is damaged, unusable, or missing, repair or replace it before operating the machine.
10. **Be sure any interlock switches are functioning correctly** so the engine cannot be started unless the Forward Speed Control (FSC) lever is in the **NEUTRAL** position and the PTO clutch is in the **DISENGAGED** position. Also, the engine should stop if the operator lifts off the seat with the PTO clutch in the **ENGAGED** position.
11. **Never attempt to make any adjustments while the engine is running,** except where specifically instructed to do so.

12. Handle **gasoline or diesel fuel with care**. Gasoline is highly flammable and its vapors are explosive:
 - a. Use an approved fuel container.
 - b. Never add fuel to a running engine or hot engine (allow hot engine to cool several minutes).
 - c. Keep matches, cigarettes, cigars, pipes, open flames, or sparks away from the fuel tank and fuel container.
 - d. Always fill the fuel tank outdoors using care. Fill to about one inch from the top of the tank. Use a funnel or spout to prevent spilling.
 - e. Replace the machine fuel cap and container cap securely and clean up any spilled fuel before starting the engine.

OPERATING

NOTE: Refer to your tractor Operator's Manual for safety instructions for operating the tractor.

1. Operate the machine only in daylight or in good artificial light with good visibility of areas being cleaned.
2. Sit on the seat when starting the engine and operating the machine. Keep feet on footrests at all times when the tractor is moving and/or the implement is operating.
3. An inexperienced operator should **learn to steer (maneuver) the tractor with a slow engine speed before attempting any operating**. Be aware that, with the front mounted implement configuration, the back of the machine swings to the outside during turns.
4. Remember, for an emergency stop, the forward motion of the tractor can always be stopped by pulling the Forward Speed Control (FSC) into the **NEUTRAL-PARK** position.
5. Disengage the PTO clutch and put the FSC in the **NEUTRAL-PARK** position before starting the engine (an ignition interlock switch normally prevents starting of the tractor if these controls are in the **OPERATING** position).
6. **Do not run the engine in a confined area without adequate ventilation**. Exhaust fumes are hazardous and can be deadly.
7. **Do not carry passengers** - maximum seating capacity is one (1) person.
8. Make sure the debris blower is clear of debris before engaging the PTO clutch.
9. Be careful never to blow debris towards people or cars, and never allow anyone in front of the implement.
10. Watch out for hazards hidden under leaves that could enter the debris blower while operating.
11. **Avoid sudden starts or stops**. Before backing the machine up, look to the rear to be sure no one is behind the machine. Watch carefully for traffic when crossing or working near roadways.
12. Disengage the PTO clutch when transporting the machine.
13. Do not operate across the face of slopes. Use extreme caution when changing direction on slopes. Do not attempt to clear steep slopes.

14. **Never adjust the deflector position control knobs with the engine running.** Before adjusting the deflector position, disengage the PTO clutch and stop the engine. Wait for all movement to stop before getting off the seat.
15. Do not operate the blower with the intake cover (guard) removed.

NOTE: The PTO brake should stop drive line rotation within five (5) seconds of disengaging the PTO clutch. If the brake is not functioning properly, have it repaired by an authorized dealer immediately.

16. If the blower implement ingests a solid object or the machine begins to vibrate abnormally, immediately disengage the PTO clutch, stop the machine, and remove the ignition key. Wait for all moving parts to stop. Disconnect the fuel solenoid wire [diesel engines] or the spark plug wire(s) [gasoline engines] to prevent accidental starting. Thoroughly inspect the blower and repair any damage before restarting the engine and operating the machine. Make sure blower components are in good condition and all bolts are tight.
17. **Do not touch the engine or muffler while the engine is running** or immediately after stopping the engine. These areas may be hot enough to cause serious burns.
18. When leaving the machine unattended, disengage the PTO clutch, stop the engine, and remove the ignition key.

MAINTENANCE

NOTE: Refer to your tractor Operator's Manual for proper tractor maintenance procedures.

1. **To prevent accidental starting of the engine** when servicing or adjusting the machine, remove the key from the ignition switch and disconnect the fuel solenoid wire [diesel engines] or the spark plug wire(s) [gasoline engines].
2. **To reduce fire hazards**, keep the engine free of grass, leaves, excessive grease, and dirt.
3. Keep all nuts, bolts, and screws tight **to ensure the machine is in a safe, working condition.**
4. **Perform only maintenance instructions described in this manual.** Unauthorized maintenance operations or machine modifications may result in unsafe operating conditions.
5. If the engine must be running to perform a maintenance adjustment, **keep hands, feet and clothing away from moving parts. Do not wear jewelry or loose clothing.**
6. **Always use proper engine service manuals when working on the engine.** Unauthorized maintenance operations or modifications to the engine may result in unsafe operating conditions.
7. Altering the machine in any manner which adversely affects its operation, performance, durability or use **will VOID the warranty** and may cause hazardous conditions.
8. Never attempt to disconnect any safety devices or defeat the purpose of these safety devices.

9. Do not change the engine governor settings or overspeed the engine. The governor has been factory-set for maximum-safe engine operating speed.
10. **Use genuine factory replacement parts.** Substitute parts may result in product malfunction and possible injury to the operator and/or others.

IMPORTANT: Keep all applicable manuals immediately accessible to anyone who may operate or service this machine.

Decals

SAFETY, CONTROL, AND INSTRUCTION DECALS

Safety, Control, and Instruction Decals are installed on the machine; if any are missing, illegible, or damaged, a replacement should be ordered and installed before putting the machine into operation. The Decal Part Number is listed below.

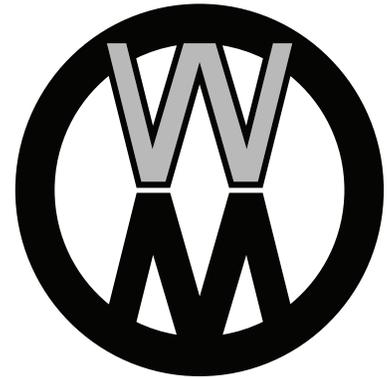
Safety Decal: Rotating Driveline
Location: PTO Shield
Part Number: 7822



Safety Decal: Rotating Driveline
Location: Belt Guard
Part Number: 657763 (RAD)



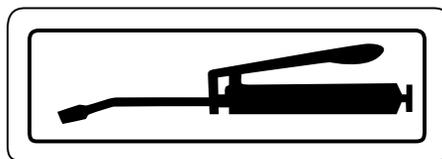
Decal: Walker Decal
Location: Blower Intake Cover
Part Number: 5800-9



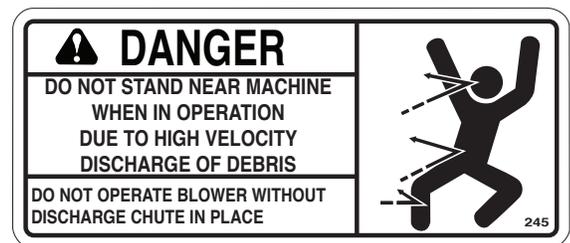
Safety Decal: Safety Procedures
Location: Belt Guard
Part Number: 660988 (RAD)



Lubrication Decal: Grease Fitting
Location: Belt Guard
Part Number: 664391 (RAD)



Safety Decal: Danger High Velocity
Location: Top of Blower Housing
Part Number: 661248 (RAD)



Safety Decal: Keep Hands Out
Location: Blower Housing, Above RH Discharge Opening
Part Number: 661247 (RAD)



Assembly

The debris blower is shipped completely assembled except for the driveline, which must be connected to the input shaft.

1. Remove the belt guard from the debris blower housing by removing the four (4) carriage bolts securing it to the housing.
2. Thoroughly clean the debris blower input shaft and install a 1/4 x 1/4 x 1-1/4 in. key in the input shaft keyway.
3. Thoroughly clean the inside of the tractor PTO shaft and align the PTO shaft keyway with the key in the input shaft keyway.
4. Secure the PTO shaft to the input shaft with a 1/4 x 2-1/2 in. bolt and nylon locknut. Tighten the locknut and the set screw over the key.

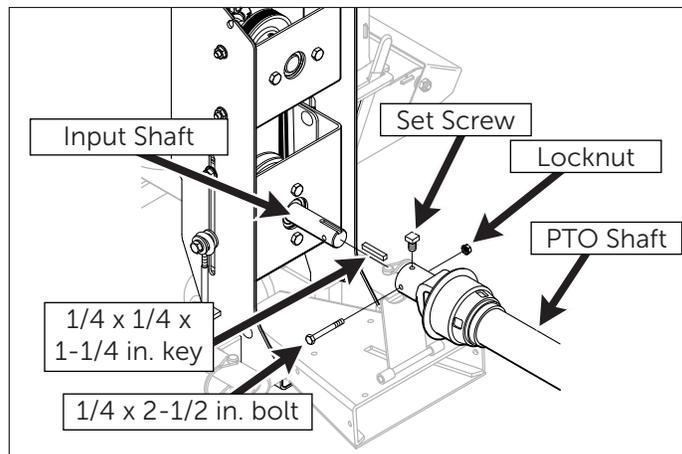


Figure 1.1: Attach PTO Drive Shaft

5. Reinstall the belt guard by reversing the removal procedure in step 1.

Installation

1. Grease the drive shaft spline sliding surfaces and slide the PTO coupler (tractor half) onto the shaft as shown in Figure 2.1.



Figure 2.1: Install PTO Coupler on Drive Shaft

2. Retract the spring-loaded quick disconnect ring on the PTO Coupler and insert the Coupler Installation Tool (provided in Owner's Packet) as shown in the Figure 2.2.

NOTE: The Coupler Installation Tool is provided for convenience, but is not required for installation.

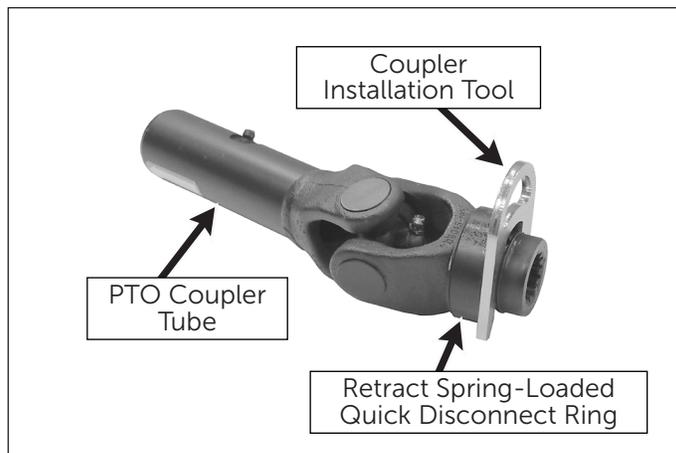


Figure 2.2: PTO Coupler Installation Tool

3. Insert the male quick hitch section of the implement hitch into the female socket of the debris blower as shown in Figure 2.3 and Figure 2.4.

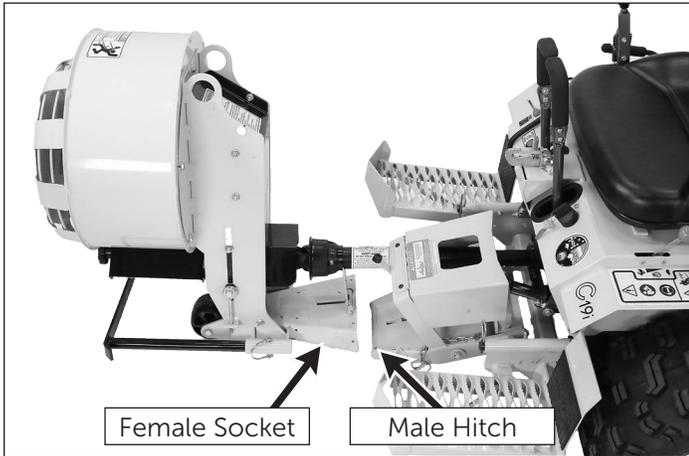


Figure 2.3: Male to Female Hitch Connection



Figure 2.4: Hitch Connected to Debris Blower
(View from LH Side of Tractor)

4. Lock the debris blower in place with the locking lever on the implement hitch: All implements must be locked in place on the implement hitch **before beginning any operation**.

H10: Locking/Removing Implements

- **Locking:** Rotate the hitch lock lever **fully forward** to the **LOCKED** position as shown in Figure 2.5, and secure the hitch latch with the linch pin.
- **Removing:** Remove the linch pin from the latch and move the hitch lock lever backward to the **UNLOCKED** position as shown in Figure 2.6.

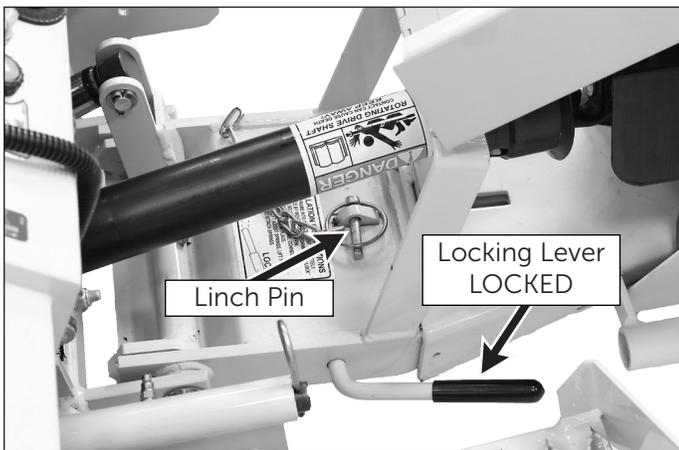


Figure 2.5: Hitch Lock Lever in "LOCKED" Position
(View From Right Side of Tractor)

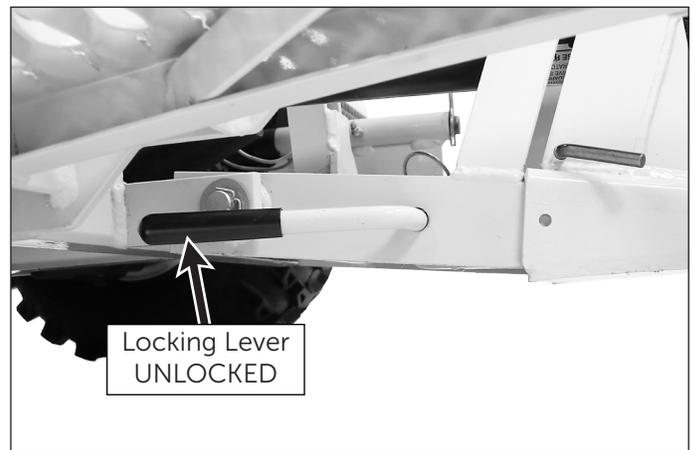


Figure 2.6: Hitch Lock Lever in "UNLOCKED" Position
(View From Right Side of Tractor)

5. Prior to attaching the PTO coupler to the tractor PTO shaft, lower the PTO shaft support on the debris blower. The PTO shaft support **MUST** be lowered (as shown in Figure 2.8) to connect the PTO shaft to the tractor.

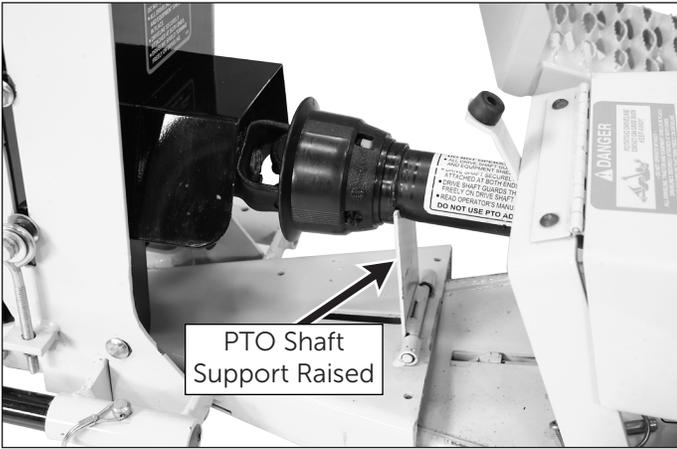


Figure 2.7: PTO Shaft Support Raised

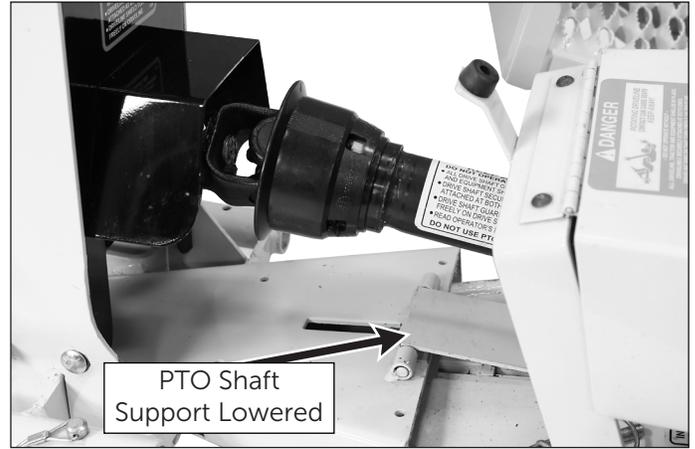


Figure 2.8: PTO Shaft Support Lowered

- Attach the PTO coupler to the tractor PTO shaft. Remove installation tool, and make sure the coupler is secured properly to the tractor PTO shaft, and that the quick disconnect ring is in the **LOCKED** position as shown in Figure 2.10. After installation, pull on the PTO coupler to check for security.

WARNING ⚠

The PTO shaft turns at high RPM. If the coupler is not locked to the shaft at the tractor end, or if the yoke at the blower end is not secured properly, the drive shaft can fly loose with great force, capable of causing serious injury or death.

IMPORTANT: DO NOT operate tractor with Coupler Installation Tool installed.

IMPORTANT: To prevent damage to the tractor, make sure the PTO quick disconnect is securely locked on the tractor, with the locking balls fully seated in the groove and the ring in the locked position (refer to the Quick Disconnect Ring "Locked" Position illustration). After installation, pull on the PTO coupler to check for security.

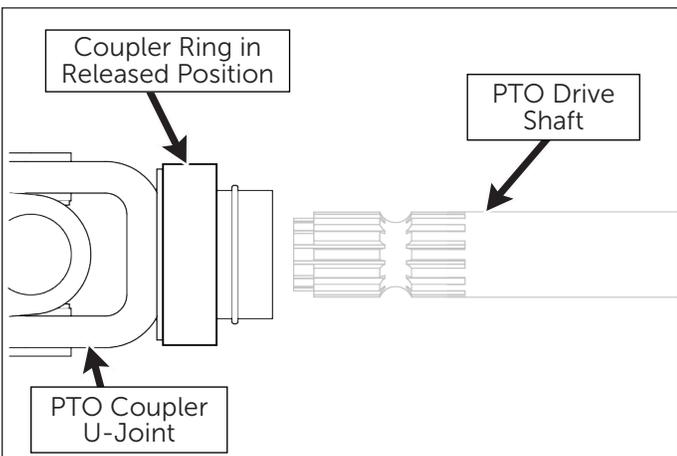


Figure 2.9: Quick Disconnect Ring in "Released" Position

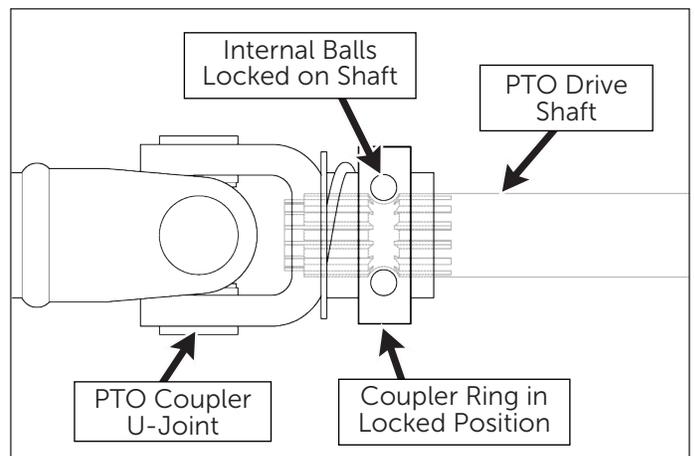


Figure 2.10: Quick Disconnect Ring in "Locked" Position

7. Put the parking stand in the fully retracted position, and lock in place using the wire lock pin.
8. For stability of the tractor when transporting with the debris blower in raised position, approximately 80 lb (36 kg) of counterweight should be installed on the tail of the tractor. Optional tail weights for the various tractor models are available from your Walker dealer, or a sandbag or similar weight, may be used.
9. For GHS (Grass Handling System) equipped Walker tractors, install a blower intake cover (P/N 5595-2) in the blower intake tube. The cover "unloads" the blower and seals the intake to effectively eliminate power loss and noise when the blower is not being used.

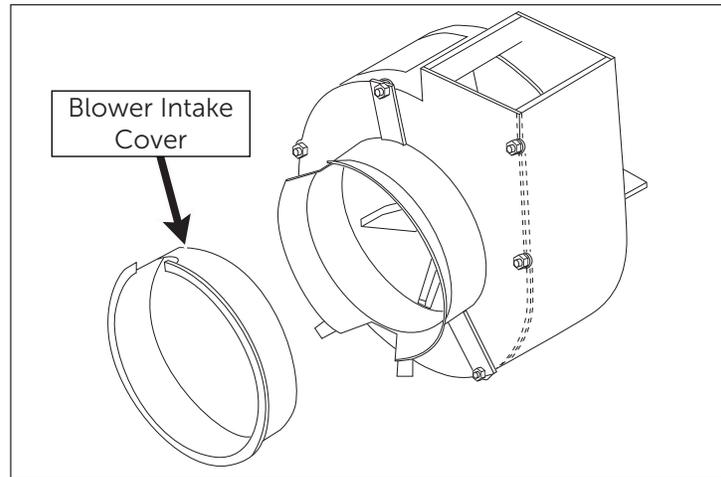


Figure 2.11: GHS Blower Intake Cover

Operation

PREOPERATION CHECKLIST

Before operating the debris blower for the first time, and as a routine **before daily operations**, it is important to make sure the machine is properly prepared and ready for operation. The following is a list of items to be checked. For machines with frequent operation, some of these items will not need to be checked every day, but the operator should be aware of the condition of each.

Tractor

- CHECK TRACTOR PREOPERATING CHECKLIST
Refer to the appropriate Tractor Operator's Manual.
- CHECK TRACTOR TAILWEIGHT
Make sure sufficient weight has been securely installed on rear of tractor (approximately 80 lbs. on most tractor models).

Implement Hitch

- CHECK LIFT SWITCH OPERATION
Raise and lower the implement hitch to make sure the lift switch and linear actuator operate properly.
- CHECK HITCH LOCKING LEVER
Inspect the locking mechanism for secure mounting of debris blower on hitch. Refer to Hitch Locking Lever in the **Implement Hitch Operator's Manual**.

Debris Blower

- CHECK CHUTE SELECTION AND DEFLECTOR POSITION
 - Make sure the chutes and deflectors are not clogged with leaves and/or debris.
 - Make sure the chute selection lever operates freely across full range of motion (to detents).
 - Use the deflector position control knobs to raise and lower the deflectors. The deflectors should move freely.
- CHECK GAUGE WHEEL CONDITION
Make sure gauge wheel is in good condition and not damaged.
- INSPECT DRIVE BELT
Refer to **ADJUSTMENTS** of **Debris Blower Drive Belt Tension** in **Maintenance** Instructions section.
- CHECK BLOWER FAN
 - Make sure the fan is clear of debris.
 - Make sure the fan is free to rotate.
 - Check that the fan blades are in good condition and not bent.

NOTE: Remove and replace intake cover for inspection of blower fan.

DANGER ⚠

DO NOT operate the blower with the intake cover (guard) removed.

DEBRIS BLOWER CONTROLS

Deflector Position Control Knobs

Set the angle of the deflectors according to the desired distance the debris must be thrown. To adjust the deflectors' angle, loosen the knobs, slide the deflectors to the required angle, and securely retighten the knobs.

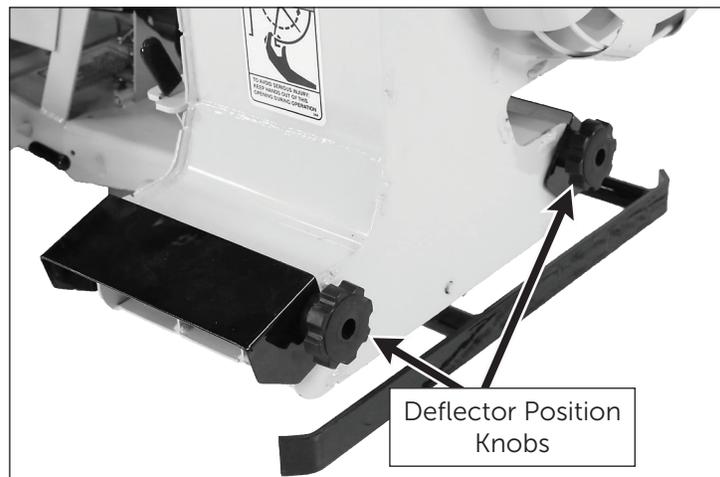


Figure 3.1: Deflector Position Knobs

Chute Selection Lever

The debris blower is equipped with two (2) blower chutes: One on the RH side of the implement, and one on the LH side of the implement. Only one (1) chute will blow debris at a time. Use the Chute Selection Lever (as shown in Figure 3.2) to select the direction to blow debris.

- Move the lever left to use the RH chute
- Move the lever right to use the LH chute.

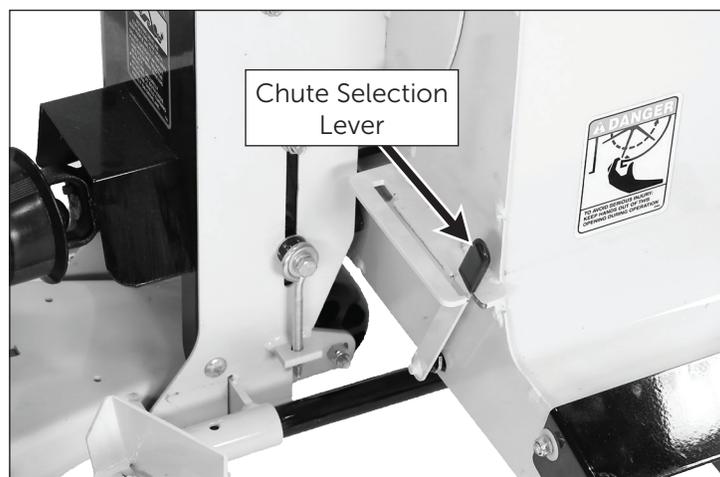


Figure 3.2: Chute Selection Lever

Raising/Lowering

The debris blower is raised or lowered using the toggle switch located on the FSC lever as shown in Figure 3.3. Normally, the blower is raised for transport and lowered onto the gauge wheel during blower operation.

- Move the switch forward to lower the implement.
- Move the switch backward to raise the implement.

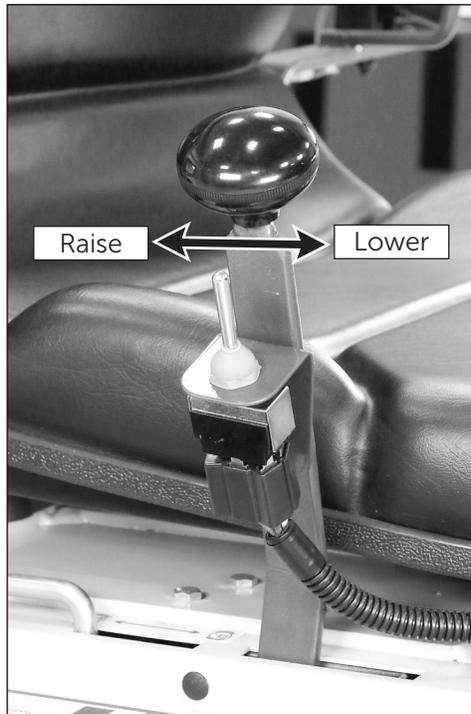


Figure 3.3: Lift Control

DEBRIS BLOWER OPERATION

CAUTION

Before operating the debris blower, read and understand all Safety Instructions and Operating Instructions.

WARNING

If an implement is installed on the hitch, it must be locked in place before beginning any operation

Engaging the Debris Blower

1. Set the engine throttle at about 1/3 speed. **DO NOT attempt to engage the PTO clutch at high engine speeds.** This will drastically shorten drive belt life. Use only **moderate engine speed** when engaging the PTO clutch.
2. Pull the PTO clutch lever **SLOWLY** to engage the debris blower.

NOTE: For cold weather operation, allow sufficient time for the debris blower components to warm up before beginning to blow debris.

DANGER

A safety interlock switch (seat switch) will cause the engine to stop if the PTO clutch is engaged and the operator is not in the seat. The function of this switch should be checked by the operator raising off the seat and engaging the PTO clutch; the engine should stop. If the switch is not working, it should be repaired or replaced before operating the debris blower. **DO NOT disconnect the safety switches; they are for the operator's protection.**

IMPORTANT: DO NOT engage the PTO clutch when transporting the machine. **DO NOT** engage the PTO clutch with the PTO shaft disconnected (the debris blower removed from the tractor).

Recommendations for Operating the Debris Blower

IMPORTANT: Operate the engine at full speed when operating the debris blower, to allow the engine to produce full horsepower and to increase efficiency of the engine cooling system.

- When operating on a slope, **reduce speed and use caution** to start, stop and maneuver. Avoid sharp turns or sudden changes in direction.
- Use optional tire chains or all-terrain tires to improve traction.
- Disengage the PTO clutch to stop the debris blower when transporting the machine and not blowing debris.
- Avoid damage to property and extra cleaning work by **carefully choosing the direction** to move the debris. **Orient the blower away from people and property due to the possibility of thrown objects.** 
- To momentarily increase traction in case the drive wheels are slipping, use the lift switch to raise the debris blower slightly and transfer extra weight on the drive wheels.

DANGER

DO NOT blow debris with bystanders in the area (especially children or pets).

STOPPING THE MACHINE

1. Slow the engine to idle; put the throttle in the **IDLE** position.
2. Pull the steering levers to the **NEUTRAL** position and then move the FSC lever backward to the **NEUTRAL-PARK** position.

3. Disengage the PTO clutch.

IMPORTANT: DO NOT disengage the PTO clutch with high engine speed (above 1/2 throttle) since the brake action on the PTO drive will cause premature wear of the brake band.

WARNING 

A brake stops the machine from freewheeling within five (5) seconds after disengaging the PTO clutch. If the brake system malfunctions and the machine does not stop within five (5) seconds, the brake should be adjusted or repaired before operating the machine. Refer to the appropriate Tractor Operator's Manual for adjustment procedures.

4. Turn the ignition switch **OFF**.

WARNING 

Remove the key from the ignition switch when leaving the machine unattended. This will prevent children and inexperienced operators from starting the engine.

5. Engage the parking brake.

IMPORTANT: The hydrostatic transmissions lock to prevent the machine from rolling freely with the engine stopped. However, if the machine is parked on a slope, it is necessary to engage the parking brake to prevent the machine from creeping. This is due to a small amount of slippage in the hydrostatic transmissions, especially when transmission fluid is warm.

Removing and Storage

H10 INSTRUCTIONS

1. Park the tractor on a level surface and lower the debris blower.

WARNING

DO NOT attempt to remove the debris blower with the tractor engine running. Disengage the PTO clutch, stop the engine and remove the ignition key. Wait for all moving parts to stop before getting off the machine.

2. Set the parking stand in the most extended position and lock in place.
3. Remove the linchpin from the quick hitch latch and place the hitch locking lever in the **UNLOCKED** position.
4. Start the tractor and carefully back the tractor away from the debris blower.

NOTE: DO NOT engage the PTO clutch with the PTO shaft disconnected (the debris blower removed from the tractor).

5. Remove the PTO coupler from the tractor.

Storing the Debris Blower

1. Clean the debris blower thoroughly.
2. Repaint all parts from which paint has worn.

NOTE: Rustproofing or painting **every year** will prolong the life of the debris blower components and moving parts.

3. When the debris blower is dry, apply lubricant liberally to all exposed surfaces to protect against rust.
4. List the replacement parts that will be needed before the next use.
5. Store the debris blower in a dry place.

Maintenance

CAUTION

Maintenance procedures requiring special training or tools should be performed by a trained technician.

MAINTENANCE SCHEDULE CHART - RECOMMENDED SERVICE INTERVALS

Service Item	Daily	25 Hours	Ref. Page
Check Gauge Wheel Condition	X		12
Check Blower Fan	X		12
Check Deflector Position Control Knobs	X		13
Check Drive Belt Tension and Condition		X	20, 21

Refer to appropriate Tractor Operator's Manual for complete information about tractor maintenance.

LUBRICATION

Proper lubrication is an important maintenance procedure. It reduces wear and makes the machine quieter and easier to operate.

NOTE: Tractor and/or Implement Hitch Lubrication Points are not shown here. For Tractor and/or Implement Hitch Lubrication Points, refer to the appropriate **OPERATOR'S MANUAL** or **ILLUSTRATED PARTS MANUAL**.

WARNING

DO NOT attempt to lubricate the machine with the tractor engine running. Disengage the PTO clutch, shut off the machine, and remove the ignition key.

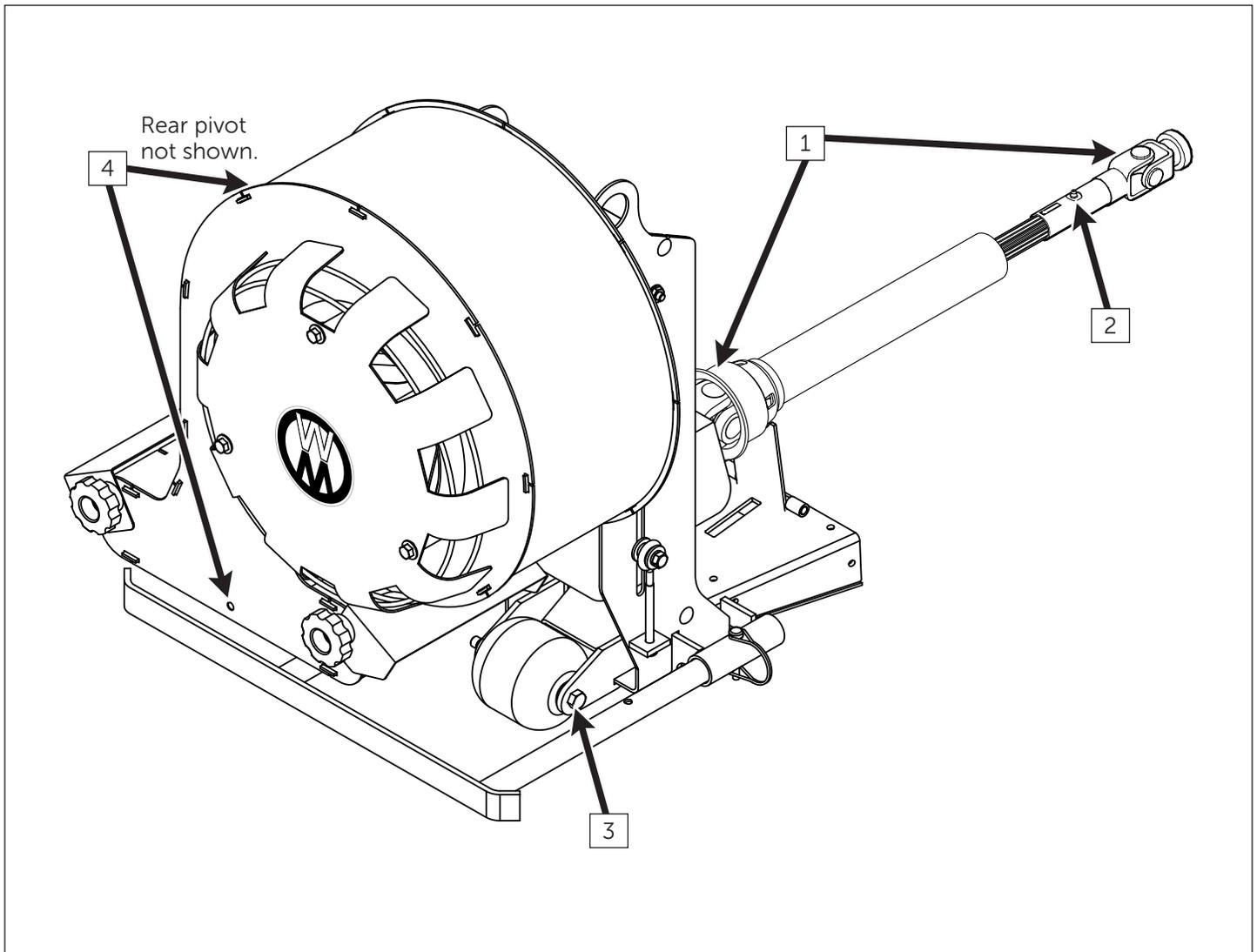
Debris Blower Lubrication Points

Ident No.	Location	Lubrication Type	No. Places
1	PTO Universal Joints	Grease*	2
2	PTO Shaft Assembly (Spline Slide Area)	Grease**	1
3	Gauge Wheel Axle	Grease**	1
4	Angling Arm Pivot	Oil ^Δ	2

* Grease every twenty-five (25) hours

** Grease yearly

Δ Oil every twenty-five (25) hours



REPLACING/REPAIRING

WARNING ⚠

To prevent accidental engine starting when replacing parts or repairing the machine, remove the key from the ignition switch and disconnect the fuel solenoid wire [diesel engines] or the spark plug wire(s) [gasoline engines].

CAUTION ⚠

ALWAYS use genuine factory replacement parts. Substitute parts CAN result in product malfunction and possible injury to the operator and/or others.

Debris Blower Drive Belt

1. Remove the belt guard from the debris blower housing by removing the four (4) carriage bolts securing it to the housing.
2. Loosen the adjustment nuts on the lower ends of both eyebolts to release belt tension. Then, remove the four (4) bolts securing the front and rear lower bearing supports to the housing.

3. Remove the two (2) bolts securing the rear upper bearing to the upper bearing support. Remove the four (4) carriage bolts securing the upper bearing support to the housing, and remove the upper bearing support.
4. Lift belt off of upper pulley and remove the complete lower driveshaft and bearing support assembly.
5. Remove the two (2) bolts securing the bearing to the front lower bearing support. With the lower bearing support set aside, remove the belt from the lower pulley.
6. Install the new drive belt. Reverse the removal procedure to reassemble.
7. Adjust the belt tension. Refer to **ADJUSTMENTS** of **Debris Blower Drive Belt Tension** in this section in this manual. Tighten fasteners securely and reinstall belt guard by reversing the removal process.

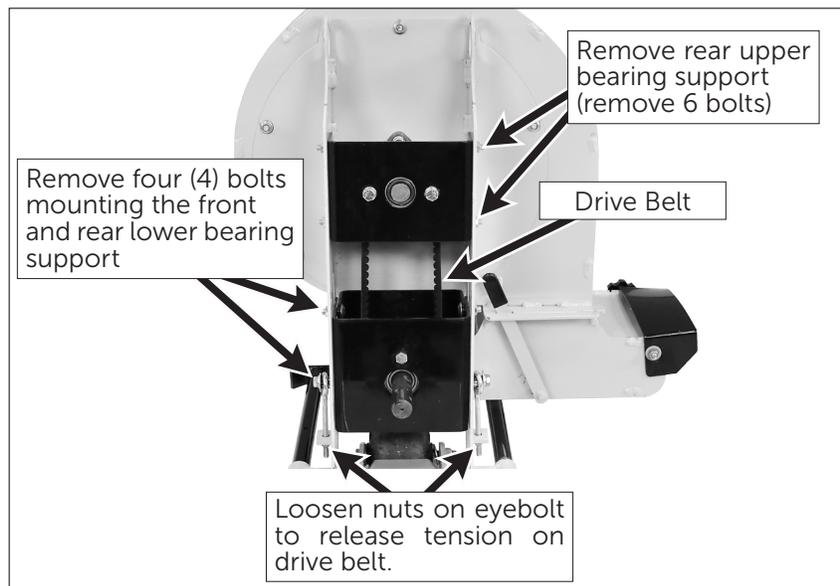


Figure 4.1: Remove Debris Blower Drive Belt

ADJUSTMENTS

Debris Blower Drive Belt Tension

The drive belt deflection must be 1/8 in. (3 mm) when 6-1/2 to 9 lbs (29 to 40 N) is applied midway between the two pulleys.

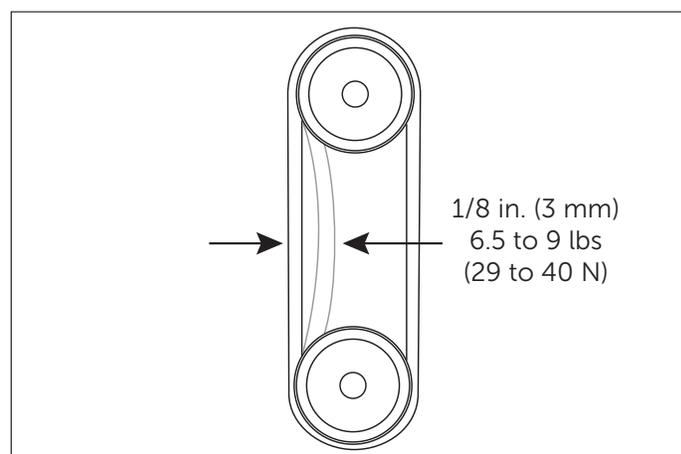


Figure 4.2: Proper Debris Blower Drive Belt Tension

1. Remove the belt guard from the debris blower housing by removing the four (4) carriage bolts securing it to the housing.
2. Loosen the two (2) nuts and two (2) bolts that secure the lower bearing support and turn the adjustment nuts on each side until the required tension is reached (Figure 4.2).

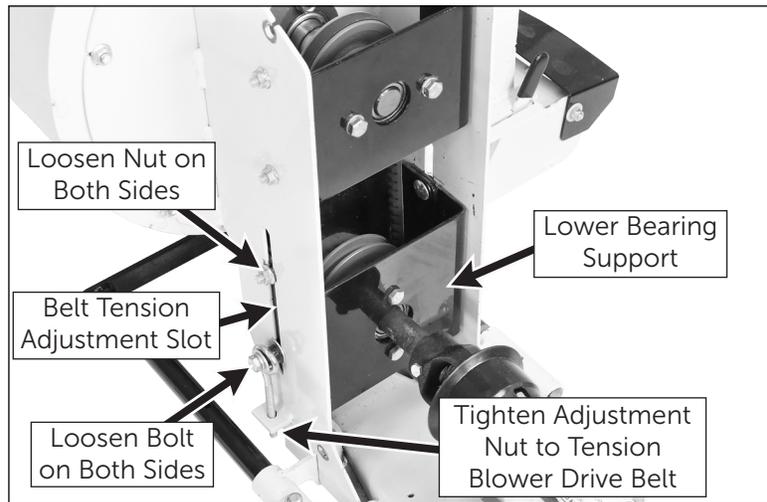


Figure 4.3: Adjusting Belt Tension

3. Retighten the bolts and nuts loosened in step 2 and reinstall the belt cover.

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H14 DEBRIS BLOWER

ITEM NO.	WLK PART NO.	RAD PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	WLK PART NO.	RAD PART NO.	DESCRIPTION	NO. REQ'D
Debris Blower Components					Fasteners				
1	NS	668745	Upper Bearing Support	1	F004			1/4-20 Keps Nut	1
2	NS	0900035	Nut Serrated Flange 3/8" NC	2	F014			3/8-16 ESNA Nut	9
3	NS	668751	Spacer Bushing	2	F020			5/16-18 ESNA Nut	4
4	I341	656229	5/16-18 x 5 Eye Bolt/Broom	2	F039			3/8-16 x 1-1/4 Hex Bolt	8
5	NS	668744	Lower Bearing Support - Rear	1	F041			3/8-16 x 1-3/4 Hex Bolt	2
6	6671-10		U-Joint Shaft Assembly, Spline (Includes Items # 7-9)	1	F048			1/2 SAE Washer	2
7	I395	657763	Decal, Rotating Driveline	1	F076			3/8-16 x 5/8 SQH Set Screw	1
8	6671-1		PTO Outer Shield	1	F149			1/4 x 1/4 x 1-1/2 Key	1
9	6651-5		Bearing & Retainer Kit	1	F169	0300003		5/16-18 x 1 Carriage Bolt	2
10	NS	668738	Belt Guard	1	F173	0300002		5/16-18 x 3/4 Carriage Bolt	10
11	O/L		Nylon Insert Locknut 7/16" NC	1	F256			7/16 SAE Washer	4
12	NS	3800072	Wheel	1	F271			1/4-20 x 2-1/4 Hex Bolt	1
13	NS	0100252	Bolt Hex 7/16" NC x 5 1/2" GR 5	1	F278			3/8 Split Lock Washer	10
14	NS	1900006	Round Wire Lock Pin 1/4"	1	F320			1/8 x 3/4 Split Spring Pin	1
15	NS	668740	Parking Stand	1	F427	0900036		Nut Serrated Flange 5/16" NC	12
16	I171	658467	11/32 Nylon Washer	2	F447	655379		1/4 x 1/4 x 1 Key	2
17	I172	658468	7/16 Nylon Washer	4					
18	NS	668749	Nozzle Deflector	2					
19	I170	657309	Knob 5/16" NC	2					
20	NS	4200031	Plastic Hand	1					
21	NS	668742	Angling Arm	1					
22	NS	668741	Angling Deflector	1					
23	NS	668752	Protective Rubber	2					
24	NS	0200083	Bolt Serrated Flange 5/16" NC x 3/4" GR 5	3					
25	NS	668739	Intake Cover	1					
26	NS	668736	CW Impeller Housing	1					
27	NS	0200078	Bolt Serrated Flange 1/2" NC x 1" GR 5	1					
28	O/L		Flat Washer 9/16" Int.	1					
29	NS	668737	CW Impeller	1					
30	NS	668735	Housing	1					
31	NS	4300054	Bearing 1", 2 Holes 10MM, 3" C-C With Grease Fitting and Set Screws	4					
	NS	654106	Grease Fitting 1/4"-28 NF	4					
32	I439	656109	Drive Shaft, 1 x 7-3/8	1					
33	NS	664011	Pulley MA43	1					
34	NS	668748	Spacer Bushing 0.375"	1					
35	NS	668743	Lower Bearing Support - Front	1					
36	NS	668747	Spacer Bushing 1.5"	1					
37	I461	663456	Pulley MA38	1					
38	NS	663380	Belt AX301						
39	NS	0100186	Bolt Hex 3/8" NC x 2 1/2" GR 8	1					
40	NS	668746	Driven Shaft	1					
41	NS	0300008	Carriage Bolt 3/8" NC x 1" GR 5	2					

NOTE: Decals are illustrated in greater detail in the Owner's section of this manual. Refer to **SAFETY, CONTROL, AND INSTRUCTION DECALS** in **Safety Instructions**, Page 6.

NOTE: All NS items are not sold by Walker Manufacturing.

Beginning S/N 21303044

Effective Date 11.11.13

Use only genuine **Walker®** replacement parts

OPERATOR'S NOTES

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OPERATOR'S NOTES

LIMITED WARRANTY FOR WALKER DEBRIS BLOWER

1. What this warranty covers, and for how long:

Walker Manufacturing company will, at its option, repair or replace, without charge, any part covered by this warranty which is found to be defective in material and/or workmanship within one (1) year after date of sale to the original retail purchaser unless the product is used for rental purposes, in which case this warranty is limited to ninety (90) days. At Walker's request, customer will make the defective part available for inspection by Walker and/or return the defective part to Walker, transportation charges prepaid.

2. What this warranty does not cover:

A. This warranty does not cover defects caused by depreciation or damage caused by normal wear, accidents, improper maintenance, improper use or abuse of the product, alterations, or failure to follow the instructions contained in the Operator's Manual for operation and maintenance.

B. The customer shall pay any charges for making service calls and/or for transporting the attachment to and from the place where the inspection and/or warranty work is performed.

3. How to obtain service under this warranty:

Warranty service can be arranged by contacting the dealer where you purchased the machine or by contacting Walker Manufacturing Company, 5925 East Harmony Road, Ft. Collins, CO 80528. Proof of the date of purchase may be required to verify warranty coverage.

4. Warranty limitation:

A. **THERE IS NO OTHER EXPRESS WARRANTY. ANY WARRANTY THAT MAY BE IMPLIED FROM THIS PURCHASE INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IS HEREBY LIMITED TO THE DURATION OF THIS WARRANTY AND TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

B. **WALKER WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES AND/OR EXPENSES IN CONNECTION WITH THE PURCHASE OR USE OF THE MACHINE.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you.

C. Only the warranty expressed in this limited warranty shall apply and no dealer, distributor, or individual is authorized to amend, modify, or extend this warranty in any way. Accordingly, additional statements such as dealer advertising or presentations, whether oral or written, do not constitute warranties by Walker, and should not be relied upon.

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



WALKER

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