



WALKER

A56 Perfaerator

Operator's Manual

with Illustrated Parts List

Assembly, Attaching, Removing, Operation, and Maintenance



Please Read and Save These Instructions

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

Beginning S/N: 2025-0081
P/N: 6600-4



Foreword

Thank you. . .for purchasing a Walker A56 Perfaerator Attachment. Every effort has been made to provide you with the most reliable equipment 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. . . Before you operate your Perfaerator, please read this entire manual. Some of the information is crucial for proper operation - it will help protect your investment and ensure that the equipment 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 equipment.

This manual covers the Walker A56 Perfaerator Attachment.

All covers 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 covers 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, Chairman

Table of Contents

General Information 1

Highlighted Information	1
Glossary	1
Serial Number Location	1
Servicing of the Perfaerator	1

Specifications 2

Component Identification 3

Safety Instructions 5

Before Operating	5
Operating	6
Safety, Control, and Instruction Decals	7

Assembly Instructions 8

Assembling the Perfaerator	8
--------------------------------------	---

Installation and Removal Instructions 9

Removing the Perfaerator	10
End of Season Storage	11

Operating Instructions 11

Operator Controls	11
<i>Tractor Controls</i>	11
<i>Lift Lever</i>	11
<i>Ground Speed Indicator</i>	12
Engaging the Perfaerator	12
Normal Operating Guidelines	13
<i>Turf Conditions</i>	13
<i>Obstacles</i>	13
<i>Slopes</i>	13
Turning the Tractor	13
Backing Up the Tractor	13
Stopping and Turning Off the Tractor	13

Maintenance Instructions 14

Adjustments	14
<i>Drive Chain Tension Adjustment</i>	14
<i>Tine End Depth Adjustment</i>	14
<i>Retractor Plate Adjustment</i>	15
Replacing and Repairing	15
<i>Replacing Tine Ends</i>	15
<i>Replacing a Drive Belt</i>	16
Lubrication	17
<i>Grease Fitting and Oil Point Lubrication</i>	17
<i>Gearbox</i>	17
<i>Drive Chain</i>	17
<i>PTO U-Joint</i>	17
<i>Retractor Pivot Bearings</i>	17
<i>Tine Rods</i>	17
<i>Crankshaft Bearings</i>	17
<i>Lubrication Points List</i>	18
<i>Lubrication Points Diagram</i>	18

Parts Lists and Diagrams 19

Body and Frame Components Parts List	19
Body and Frame Components Parts Diagram	20
Footrest Parts List	21
Footrest Parts Diagram	22
Control Linkage Parts List	23
Control Linkage Parts Diagram	24
Power Transmission Parts List	25
Power Transmission Parts Diagram	26

Limited Warranty 28

General Information

General Information

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 Tractor 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 in this manual. Refer to **Safety Instructions on page 5** for the meanings of **DANGER, WARNING, CAUTION, IMPORTANT**, and **NOTE**.

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:

- **AERATOR ASSEMBLY** part of the Perfaerator that includes the tines and crankshaft assembly.
- **DECK** is the mowing attachment mounted on the front of the tractor which includes the carrier frame, deck housing, blade spindles, and cutter blades.
- **FORWARD SPEED CONTROL (FSC)** controls the maximum forward speed of the tractor, functioning as a cruise control.
- **LEFT HAND (LH)** refers to the left-hand side of the tractor 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.
- **RIGHT HAND (RH)** refers to the right-hand side of the tractor when the operator is seated facing forward in the tractor seat.
- **STEERING LEVERS** steer the tractor by controlling the two transaxles.

- **TRACTOR** is the prime mover, including the engine, drivetrain, operator seat, and controls to operate the mower.

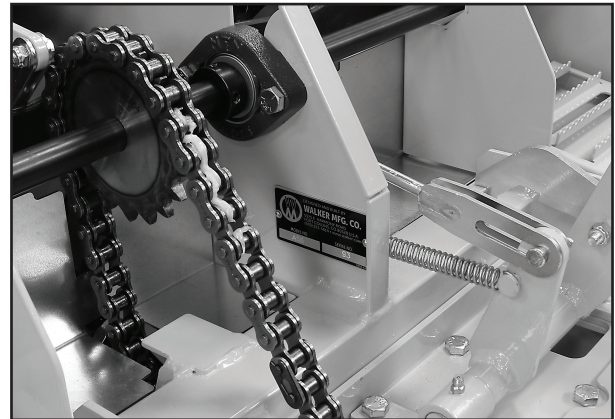
SERIAL NUMBER LOCATION

The Perfaerator's serial number is affixed under the rear cover to the center plate of the carrier frame. The serial number is helpful when obtaining replacement parts and maintenance assistance. For ready reference, please record your serial number in the space provided.

Serial No. _____

Date of Purchase _____

Refer to the tractor Operator's Manual for the tractor serial number information.



Perfaerator S/N Location

SERVICING OF THE PERFAERATOR

Only routine maintenance and general service instructions are provided in this manual. **Any unauthorized work done** on the equipment during the warranty period **may void the warranty**. If you have any difficulty finding an authorized dealer or obtaining warranty service, please contact our Service Department for assistance:

Walker Manufacturing Company
5925 E. Harmony Road
Fort Collins, CO 80528
1-970-221-5614
www.walker.com

Specifications

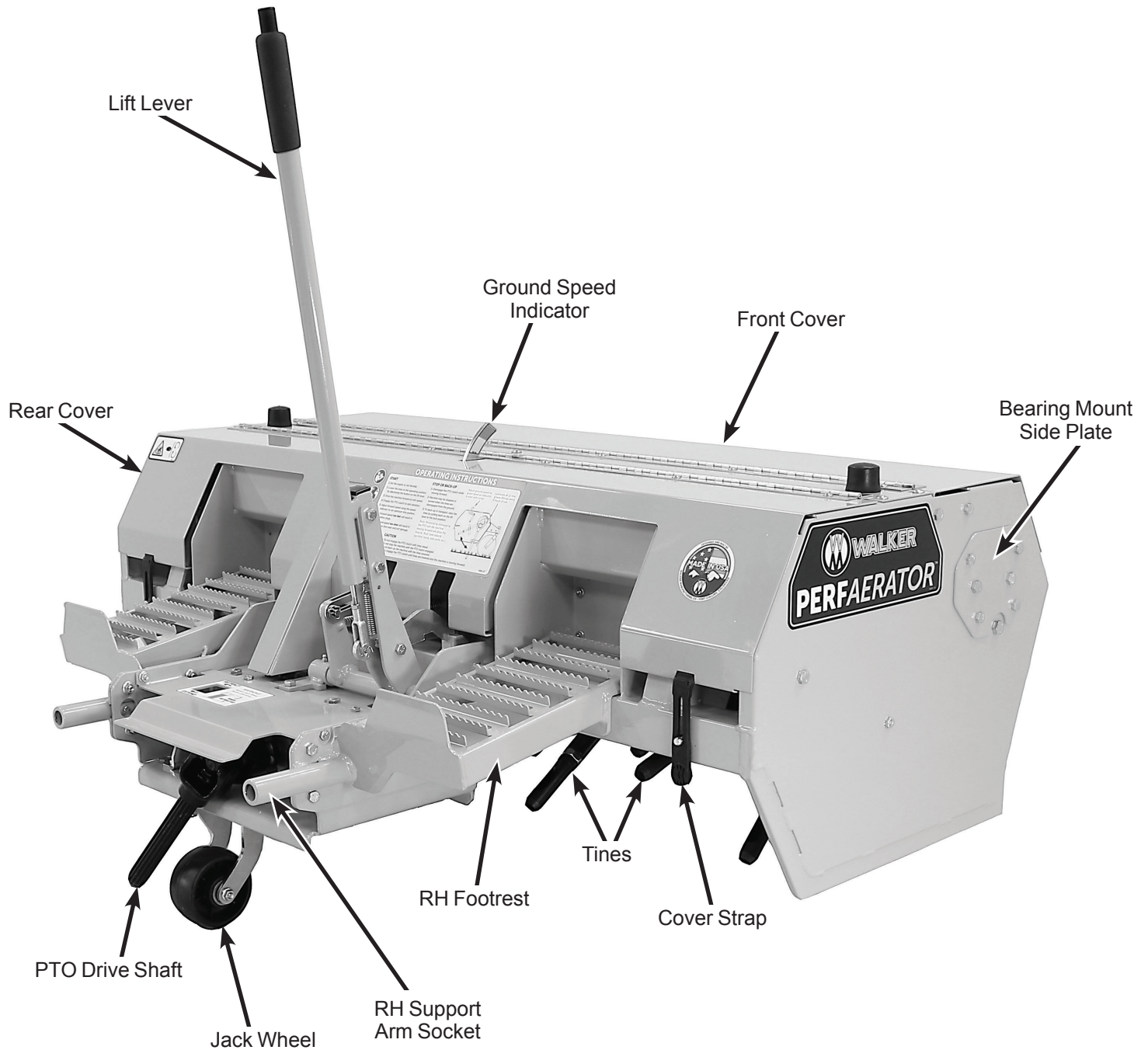
MODEL	A56 PERFAERATOR
PERFORMANCE	
Aeration Width	42 in. (107 cm)
Core Spacing	3.63 in. (9.22 cm)
Coverage per Hour*	Up to 60,000 sq. ft. (5110 sq. meters)
Coring Depth	Up to 2.75 in. (7.00 cm)
DIMENSIONS	
Weight	500 lbs (227 kg)
Height	22.75 in. (57.79 cm)
Width	48.25 in. (122.56 cm)
Length	45 in (114.30 cm)
CONSTRUCTION	
Frame	All Welded Unitized Frame
Housing	11 & 14 Gauge Welded Steel
Number of Tines	12
Tine Construction	Machined, High Carbon, Heat-Treated Steel, Thread Mounted (Replaceable)
DRIVE SYSTEM	
PTO Drive	Tractor PTO Drive Shaft, 2 High-Speed U-Joints, Right Angle Gearbox, Belt Final Drive to Crankshaft
TIRE/WHEEL SIZE	
Caster Wheels	Pneumatic 11 x 4.00-5
Jack Wheel	4 x 2 x 2-3/16 in. (10 x 5 x 5.56 cm)

* This measurement may vary depending on ground speed.

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

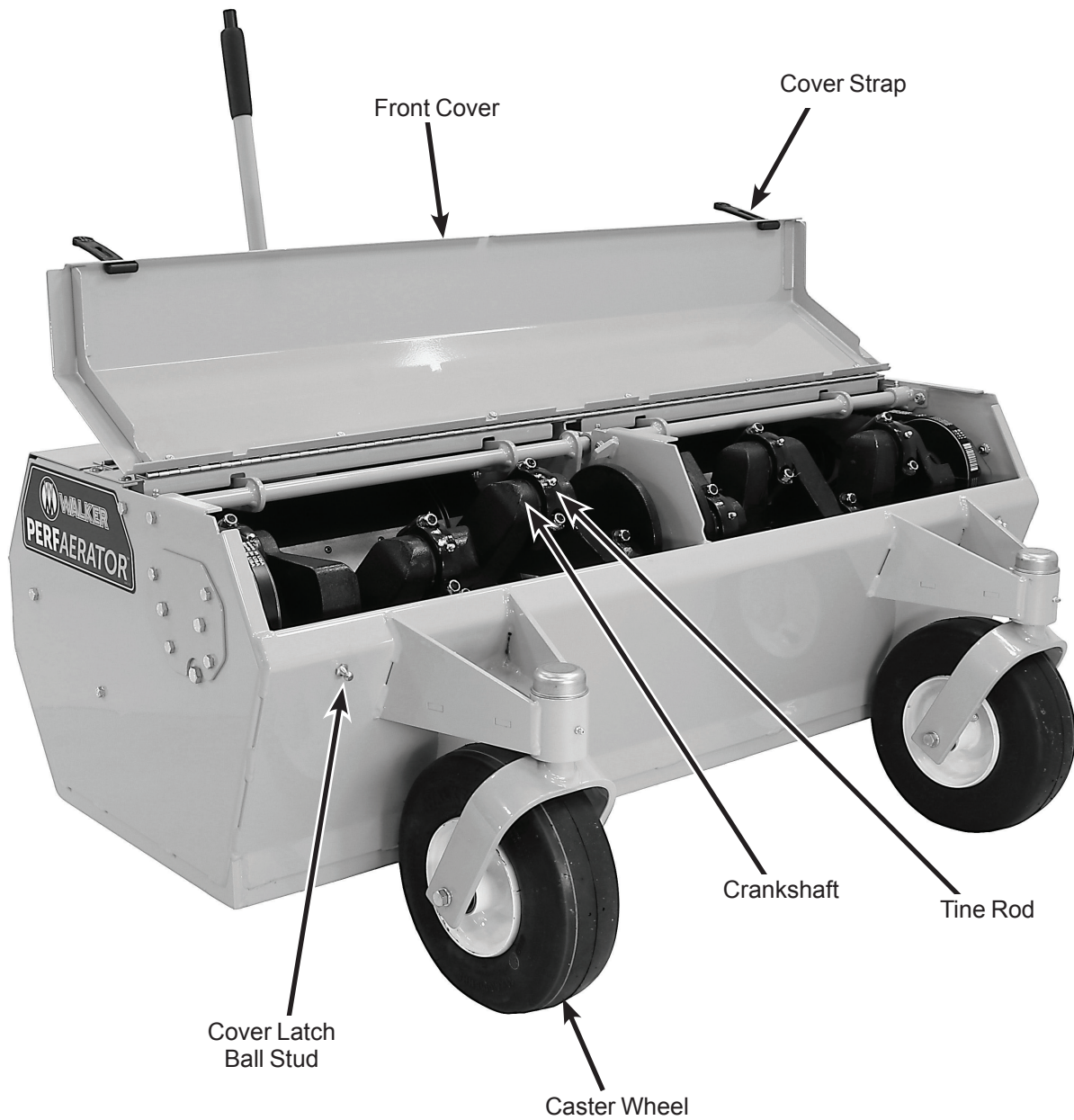
Component Identification

Component Identification



Rear View

Component Identification



Front View With Cover Lifted

Safety Instructions

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 Rider Lawnmower has 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

In addition to the safety information provided in the Operator's Manual for the tractor, follow these additional Perfaerator safety guidelines:

1. **Keep all protective covers and guards in place.** If a protective cover, guard or safety decal is damaged, unusable, or missing, repair or replace it **before** operating the machine.
2. Before operating the Perfaerator, become familiar with the location and function of all operator controls. Knowing the location, function, and operation of these controls is important for safe and efficient operation. Know how to stop the machine and disengage the controls quickly.
3. Ground cover or leaves can sometimes hide objects that might cause damage to the aerator. **Clear the area of objects and mark all sprinkler heads and utility covers.**

OPERATING

In addition to the safety information provided in the Operator's Manual for the tractor, follow these additional Perfaerator safety guidelines:

1. **Operate the machine only in daylight** or in good artificial light with good visibility of the area being aerated.
2. Sit on the seat when starting the engine and operating the machine. Keep feet on the implement footrests at all times when the tractor is moving and/or the implement is operating.



CAUTION

Never operate the Perfaerator or drive the tractor with the Perfaerator installed and the jack wheel in the lowered position. This could result in damage to the jack wheel.

3. Only engage the PTO clutch when the machine is moving forward and the aerator assembly is engaged (tines lowered).
4. Do not stop the machine with the PTO clutch engaged.
5. Before backing the machine up, make sure the PTO clutch is disengaged and the aerator assembly is disengaged (tines raised).
6. Never engage the PTO clutch with the aerator assembly raised in the disengaged position or raise the aerator assembly with the PTO clutch engaged.
7. Do not turn at a radius less than 10 feet (3 meters) to avoid damage to the equipment and the turf.
8. Use caution when operating on a slope. The maximum recommended slope operation angle is 10 degrees or 17.6% grade.
9. If the aerator strikes a solid object or the machine begins to vibrate abnormally, immediately, disengage the PTO clutch, disengage the aerator assembly (raise the tines), stop the engine, remove the key and wait for all moving parts to stop before evaluating the equipment.
10. **Do not operate the aerator with the front or rear covers open or unsecured.**

MAINTENANCE

In addition to the safety information provided in the Operator's Manual for the tractor, follow these additional Perfaerator safety guidelines:

1. **Do not attempt to make replacements or repairs with the tractor engine running.** Always disengage the PTO clutch, stop the engine, and remove the ignition key. Wait for all movement to stop before getting off the seat.
2. **Always use genuine factory replacement parts.** Substitute parts may result in the equipment not functioning as expected and possible injury to the operator and/or others.
3. Do not attempt to make adjustments to the aerator such as modifying the tine depth with the engine running.
4. Always re-latch the covers before turning on the tractor.



CAUTION

DO NOT attempt to remove the Perfaerator from the tractor with the engine running. Disengage the PTO clutch, disengage the aerator assembly (tines raised), shut off the machine, and remove the ignition key. Wait for all movement to stop before getting off the seat.

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. Part numbers for the decals are listed below; locations are shown on the Parts Diagram.

OPERATING INSTRUCTIONS

START

- 1) Set the engine to full throttle.
- 2) Lower the tines to the operating position by depressing the button on the lift lever.
- 3) Drive the machine forward at mid-speed.
- 4) Engage the PTO clutch to start aeration.
- 5) Adjust forward speed using the speed indicator to set optimum tine position.
 - Forward speed **too fast** will result in shallow plugs.
 - Forward speed **too slow** will result in excessive tine wear and turf damage.



CAUTION

- Do not engage the PTO clutch with tines raised.
- Do not stop the machine with the PTO clutch engaged.
- Do not back-up the machine with the tines lowered.
- Do not engage the PTO clutch until tines are lowered and the machine is moving forward.

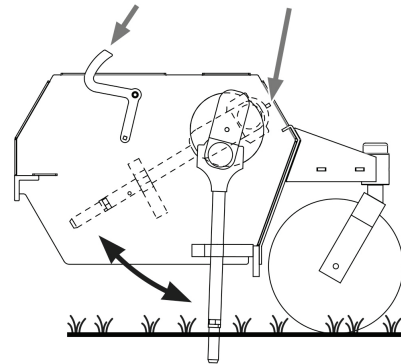
STOP OR BACK-UP

- 1) Disengage the PTO clutch while moving forward.
- 2) Machine may be stopped or turned when the tines are disengaged from the ground.
- 3) To back-up or transport, raise the tines by pulling back on the lift lever to the lock position.

Note: Momentarily disengaging the PTO with the machine moving forward will allow the tines to "float" over objects (sprinkler heads, side walks, etc.).

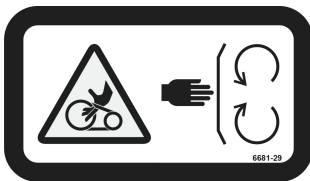
Adjust ground speed so green band on indicator is even with cover.

Lubricate all 12 tine grease fittings every 4 hours of use.

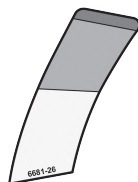


6681-27

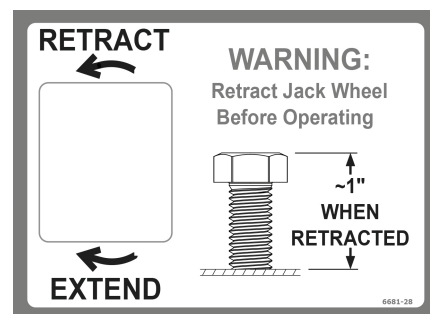
Operating Instructions Decal (P/N 6681-27)



Entanglement Hazard (6681-29)



Ground Speed Indicator (6681-26)



Jack Wheel Warning (6681-28)

Assembly Instructions

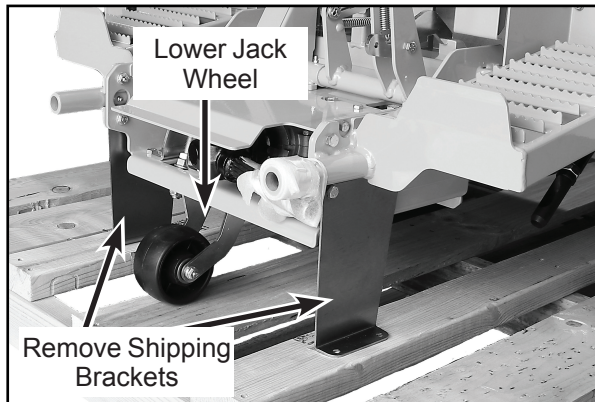
ASSEMBLING THE PERFAERATOR



CAUTION

Due to the weight of the Perfaerator, do not attempt to remove it from the shipping pallet without two (2) people or a fork lift to prevent damage to the equipment and/or possible bodily injury.

1. Remove the cardboard box and side frames from the pallet.
2. Remove the lower bolts securing the shipping brackets to the pallet.
3. Lower the jack wheel until in contact with the crate.



Lower Jack Wheel

4. Remove the upper bolts securing the shipping brackets to the Perfaerator footrests and remove the brackets.
5. Reinstall the four (4) footrest mounting bolts with the replacement F551 nuts provided.

6. With two (2) people, roll the Perfaerator off the front of the pallet and lift the back of the Perfaerator off **slowly lowering** it to the ground. Do not drop the unit on the jack wheel.

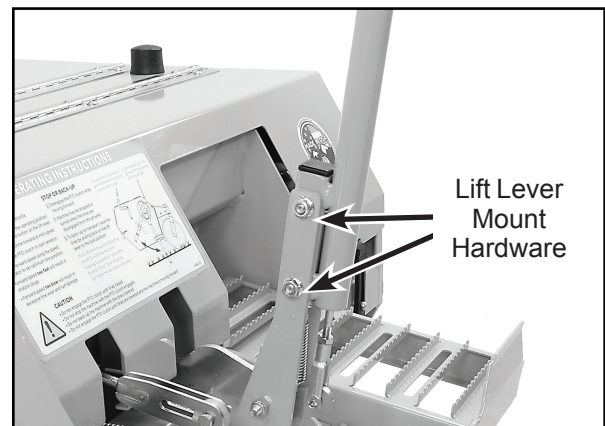
NOTE: It is recommended to use a forklift to lift the Perfaerator off the pallet if available.



CAUTION

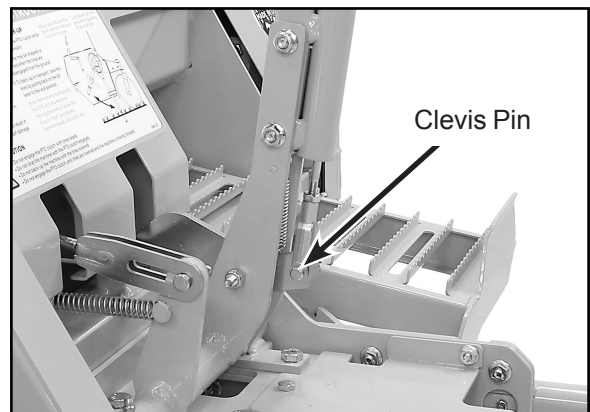
Dropping the back end of the Perfaerator off the pallet may impact the jack wheel causing damage.

7. Place the lift lever, as shown in the photo and insert two (2) 5/16-18 x 2 hex bolts (P/N F275) through the lift handle and secure with whiz lock nuts (P/N F009). Fully tighten.



Install Lift Lever

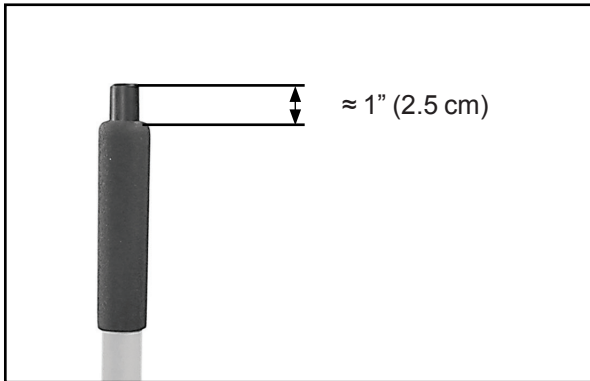
8. Align the clevis over the locking arm and insert the clevis pin.



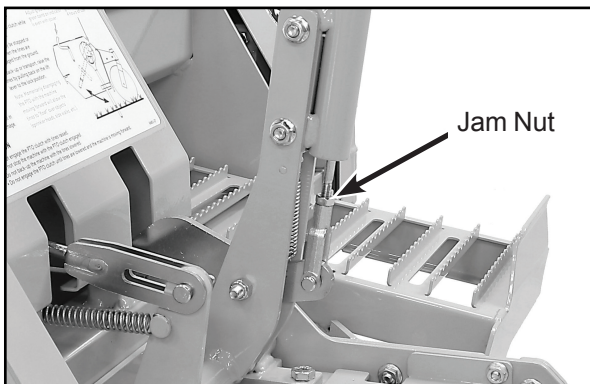
Install Clevis Pin

Installation and Removal Instructions

9. With the clevis pin in place, check that the push button stands approximately 1" (2.5 cm) above the lift handle. Loosen the jam nut and adjust the threaded rod until the push button is positioned as shown. Tighten the jam nut.

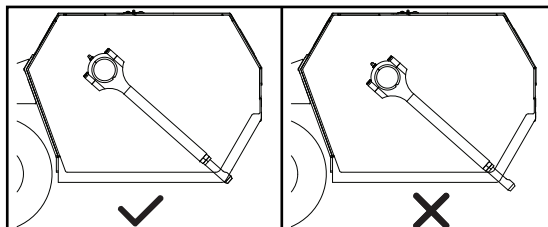


Push Button



Loosen Jam Nut to Adjust Push Button

10. Pull the lever fully back to lock the aerator assembly in the raised position.
11. Lift the front cover, and remove the cable ties securing the aerator assembly. Re-secure the front cover.
12. Verify with the aerator locked in the raised position that the tines **do not extend lower than bottom edge** of chassis frame. If they do, see the **Retractor Plate Adjustment** on page 15.

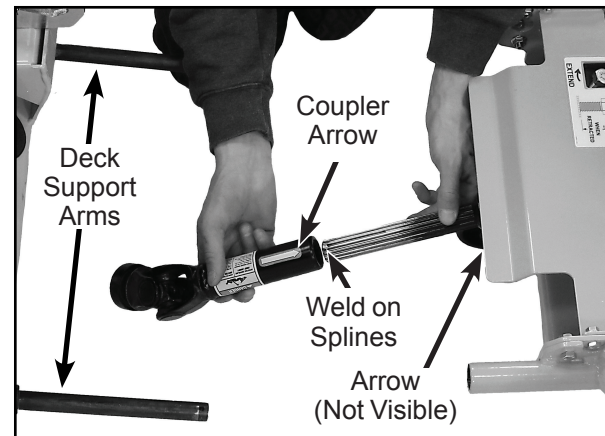


Tine Position

Installation and Removal Instructions

INSTALLING THE PERFAERATOR

1. Remove the mower deck from the tractor if necessary. If unfamiliar with this process, refer to the appropriate Operator's Manual for details.
2. Install the PTO coupler tube on the Perfaerator's PTO drive shaft making sure the arrows align. If the arrow isn't visible, align the coupler arrow with the weld on the splines of the shaft.

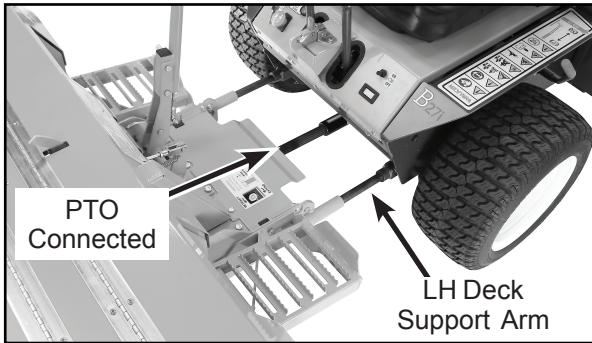


Install PTO Coupler

3. Lightly grease the tractor's deck support arms.
4. With the jack wheel lowered to align the Perfaerator with the deck support arms, engage the support arm sockets on the deck support arms approximately 3" (3.7 cm).

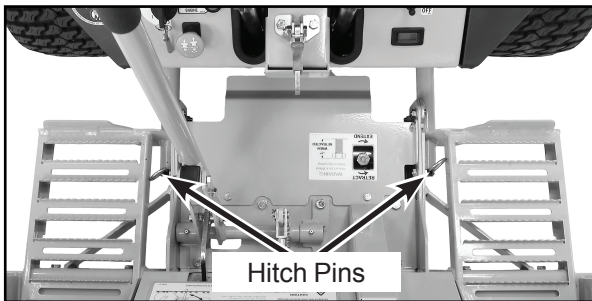
NOTE: Adjust the jack wheel height to align the Perfaerator with the height of the deck support arms for increased ease of installation.

5. Connect the PTO coupler tube on the tractor's PTO drive shaft as shown in the **PTO Connected with Perfaerator Arm Sockets On Tractor Deck Support Arms** photo.



PTO Connected with Perfaerator Arm Sockets On Tractor Deck Support Arms

- Slide the Perfaerator the rest of the way on the deck support arms and install hitch pins included with the Perfaerator through the hole on each arm to lock it in place.

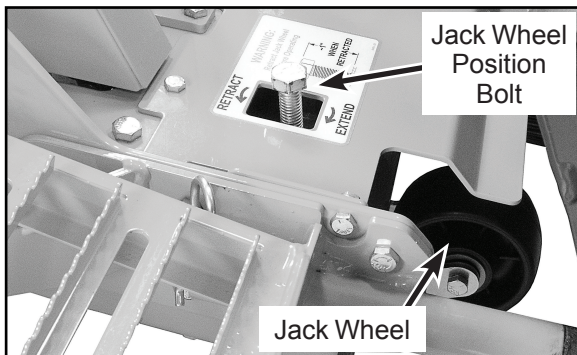


Hitch Pins Installed

- Raise the jack wheel to the fully retracted position.

CAUTION

Never operate the Perfaerator or drive the tractor with the Perfaerator installed and the jack wheel in the lowered position. This could result in damage to the jack wheel assembly.



Jack Wheel Raised

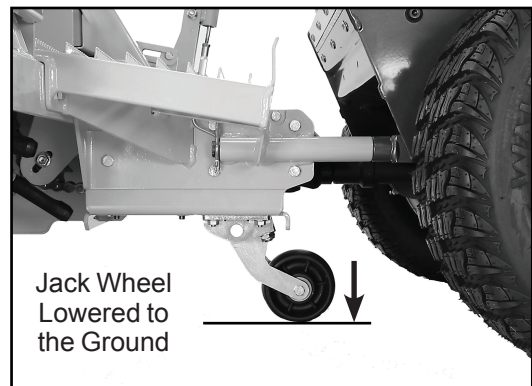
REMOVING THE PERFAERATOR

- Park the tractor on a level surface with the aerator assembly disengaged (tines raised). Turn off the tractor and remove the key.

CAUTION

DO NOT attempt to remove the Perfaerator from the tractor with the engine running. Disengage the PTO clutch, disengage the aerator assembly (tines raised), shut off the machine, and remove the ignition key. Wait for all movement to stop before getting off the seat.

- Lower the jack wheel until in contact with the ground. Do not overload the jack wheel.



Lower the Jack Wheel to Support the Perfaerator

- Remove the hitch pins from the ends of the deck support arms.
- Slide the Perfaerator off the tractor's deck support arms. The PTO shaft will slide out of the PTO coupler at the same time.
- Store the Perfaerator in a dry location.

Operating Instructions

END OF SEASON STORAGE

1. Clean the Perfaerator thoroughly.
2. Repaint all parts where paint has worn.

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

3. When the Perfaerator is dry, lubricate all moving parts. Apply lubricant liberally to all surfaces to protect against rust. See **Lubrication on page 17** for details.
4. Store the Perfaerator in a dry place.

Operating Instructions

Operating a Walker Tractor with the A56 Perfaerator attachment installed can be more challenging than mowing. Please read through all the information provided in this section before trying to operate the Perfaerator.

OPERATOR CONTROLS



CAUTION

Before operating the Perfaerator, become familiar with the location and function of all operator controls which is critical for safe and efficient operation of the aerator.

Tractor Controls

Refer to the appropriate tractor Operator's Manual for complete information about tractor operation and controls including operation of the PTO clutch.

Lift Lever

The lift lever is used to raise and lower the aerator assembly. Pull back slightly on the lever while pressing the button to remove the lock and then move the lever **forward to lower and engage** the aerator assembly. This is the **operating position**.



Push Forward on Lift Lever to Lower the Aerator Assembly

Pull **back to disengage and raise** the aerator assembly. The lever will lock in the full back position.



Pull Back on Lift Lever to Raise the Aerator Assembly



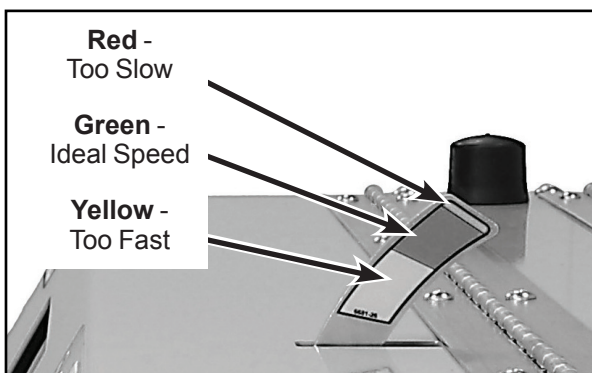
CAUTION

Do NOT pull back on the lift lever while operating the Perfaerator (i.e. PTO engaged).

Ground Speed Indicator

The Ground Speed Indicator projects through the Rear Cover. It is only active when the PTO is engaged. It has three colors that represent speed ranges: Red, Green, and Yellow.

- **Red** - The ground speed is too slow. This will result in excessive tine wear and possible turf damage. Speed up.
- **Green** - The ground speed is ideal and provides optimal tine position and aeration action.
- **Yellow** - The ground speed is too fast. This will result in poor aerator spacing and shallow tine penetration. Slow down.



Ground Speed Indicator

ENGAGING THE PERFAERATOR

NOTE: Before engaging the Perfaerator, prepare the area to be aerated. Ground cover or leaves can sometimes hide objects that might cause damage to the aerator. Clear the area of objects and mark all sprinkler heads and utility covers.



CAUTION

Do not operate the Perfaerator with the front or rear covers open.

1. With the Perfaerator installed, start the tractor. Refer to the Operator's Manual for details on starting the tractor.
2. Set the engine RPM at mid to full throttle.
3. Pull back slightly on the lift lever while pressing the push button to remove the lock and then move the lever forward to engage the aerator assembly (tines lowered to operating position).
4. Drive the machine forward at mid-speed.
5. Engage the PTO clutch to start aeration.



CAUTION

DO NOT engage the PTO until the tines are lowered and the machine is moving forward.

6. Adjust engine RPM to full throttle.
7. Adjust the ground speed with the Forward Speed Control (FSC) so the Ground Speed Indicator is in the GREEN range for optimum tine position.

Operating Instructions

NORMAL OPERATING GUIDELINES

Turf Conditions

For best results the ground must have a sufficient amount of moisture to allow the tines maximum penetration.

Obstacles

If an obstacle is encountered during operation (sprinkler head, sidewalk, etc.), the PTO can be disengaged and reengaged after passing the obstacle. Momentarily disengaging the PTO with the tractor moving forward will allow the tines to “float” over low objects.



CAUTION

DO NOT pull back on the lift lever while the PTO is engaged.

Slopes

When operating on a slope, AT tractor drive tires are recommended.



CAUTION

Use caution when operating on a slope. The maximum recommended slope operation angle is 10 degrees or 17.6% grade.

TURNING THE TRACTOR

The minimum turning radius during aeration is 10 feet (3 meters). Turning too tight can result in damage to the turf and the aerator.

To turn at a tighter radius:

1. Disengage the PTO clutch while moving forward.
2. Make the turn.
3. Engage the PTO and continue aerating.

BACKING UP THE TRACTOR



CAUTION

Backing up the tractor with the aerator assembly engaged (tines lowered) can cause damage to the equipment and the turf.

1. Disengage the PTO clutch while moving forward.
2. Disengage/raise the aerator assembly by pulling back on the lift lever to the lock position.
3. Back up the tractor.
4. Pull back slightly on the lift lever while pressing the push button to remove the lock and then move the lever forward to engage the aerator assembly (tines lowered to operating position).
5. Drive the machine forward at mid-speed.
6. Engage the PTO clutch to start aeration.
7. Adjust the ground speed to be GREEN on the Ground Speed Indicator.

STOPPING AND TURNING OFF THE TRACTOR

1. Disengage the PTO clutch while moving forward.
2. Disengage/raise the aerator assembly by pulling back on the lift lever to the lock position.
3. The tractor can now be safely driven to a stopping place.
4. Stop the tractor by putting the Forward Speed Control (FSC) into Neutral-Park.
5. Turn the ignition switch to OFF.
6. Engage the parking brake.

Maintenance Instructions

ADJUSTMENTS



WARNING

DO NOT attempt to make any adjustments with the tractor engine running. Disengage the PTO clutch, shut off the machine, and remove the ignition key. Wait for all movement to stop before getting off the seat.



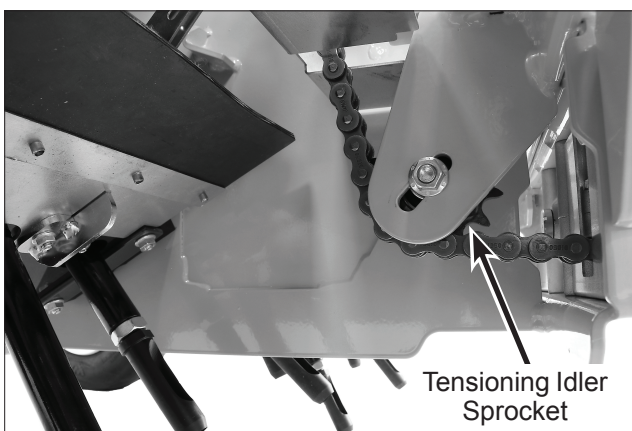
WARNING

Always make sure the front and rear covers are latched before operating the Perfaerator. **Never** operate the Perfaerator with a cover raised.

Drive Chain Tension Adjustment

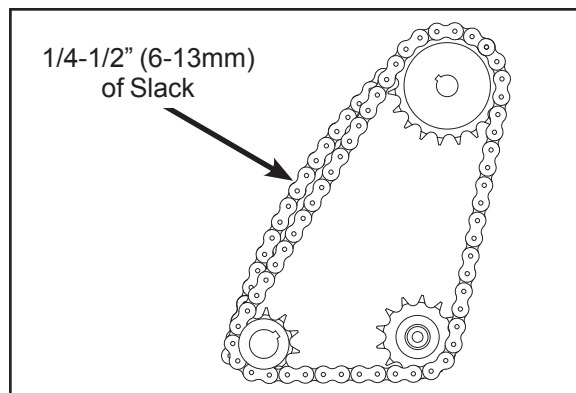
The drive chain should have 1/4 to 1/2 in. (6 to 13 mm) of slack at midspan. Adjust the drive chain as follows:

1. Loosen the chain-tensioning idler sprocket nut and bolt.



Drive Chain Adjustment

2. Position the sprocket so the chain has 1/4 to 1/2 in. (6 to 13 mm) of slack.
3. Tighten the sprocket mounting nut and bolt.
4. Recheck the drive chain tension.



Proper Drive Chain Tension

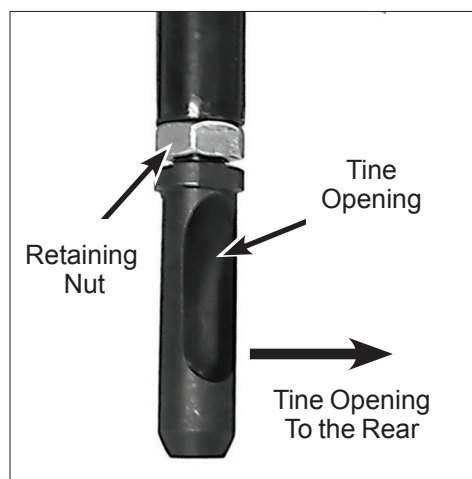
Tine End Depth Adjustment

The tine ends can be adjusted to extend the life of the ends as they start to wear. Use the following procedure to adjust the tine ends:

1. Loosen the retaining nut on the tine thread and unscrew tine end to achieve the desired depth. **Open side of tine should be to rear.**

IMPORTANT: Do not unscrew the tine ends with more than 1/2 in. (1.27 cm) of thread showing. The maximum aerating depth is 2-1/2 in. (6.35 cm).

2. Tighten retaining nut.



Tine End Depth Adjustment

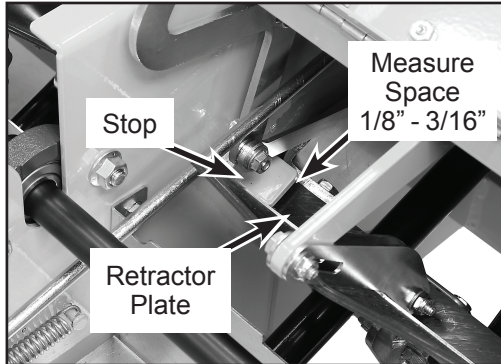
3. Verify with the aerator locked in the raised position that the tines **do not extend lower than bottom edge** of chassis frame. If they do, the tines need to be shortened.

Maintenance Instructions

Retractor Plate Adjustment

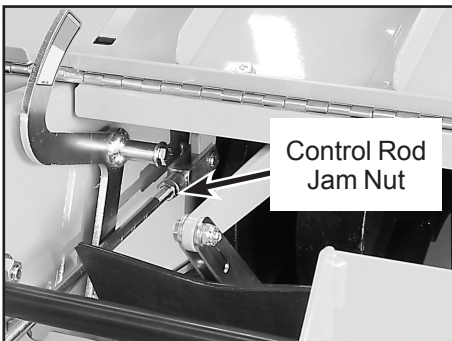
To verify and adjust the position of the retractor plate:

1. Lock the aerator in the raised position.
2. Measure the space between the retractor plate and the retractor plate stop.



Measure Between Retractor Plate and Stop

3. The spacing should be 1/8 to 3/16 in. (3.2 to 4.7 mm). If it is outside this range, adjust the control rod length. Loosen the jam nut and adjust the rod as necessary.
 - Shorten the rod to reduce the spacing.
 - Lengthen the rod to increase the spacing.



Adjust the Control Rod

4. Verify the space is in range and the tines **do not extend below** the chassis edge. Adjust further if necessary.

5. Pull back on the lift lever and push the button to release the lock. If the lock cannot be easily disengaged, the control rod may be too short causing the lock mechanism to bind. Lengthen the rod as necessary for smooth release of the lift lever.
6. Tighten the jam nut, and reinstall the clevis pin securing it with the washer and the cotter pin.

REPLACING AND REPAIRING

CAUTION

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

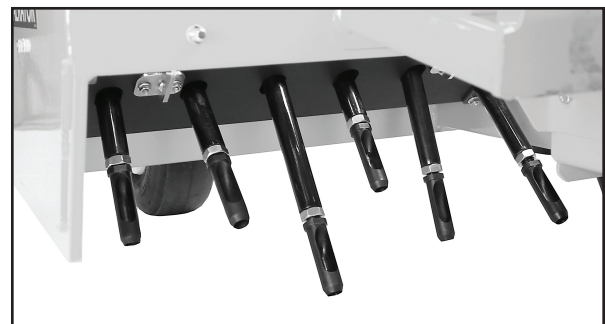
WARNING

DO NOT attempt to make any replacements or repairs with the tractor engine running. **Disengage the PTO clutch, shut off the machine, and remove the ignition key. Wait for all movement to stop before getting off the seat.**

Replacing Tine Ends

Tine ends are replaceable by using the following procedure:

1. Loosen the retaining nut on the tine thread and unscrew tine end.
2. Install new tine end by reversing the removal procedure. The open side of tine end should be to rear.



Tine Ends Open to the Rear

3. Verify with the aerator locked in the raised position that the tines **do not extend lower than bottom edge** of chassis frame. If they do, follow the steps in **Tine End Depth Adjustment on page 14** or **Retractor Plate Adjustment on page 15**.



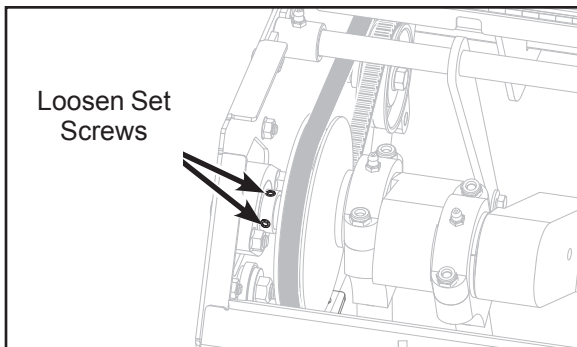
CAUTION

When in the locked raised position, the tine ends should not extend lower than the bottom edge of the chassis frame to prevent damage.

Replacing a Drive Belt

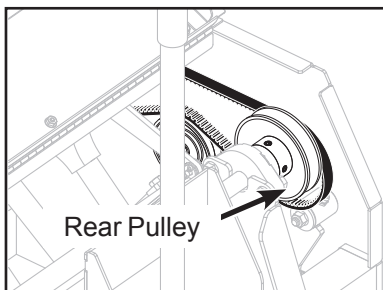
The Perfaerator has two drive belts. To replace a belt:

1. Loosen the set screws that secure the bearing on the side with the belt that needs to be replaced.



Loosen Set Screws (RH Shown)

2. Push down on the belt tension idler and remove the belt from the rear pulley.

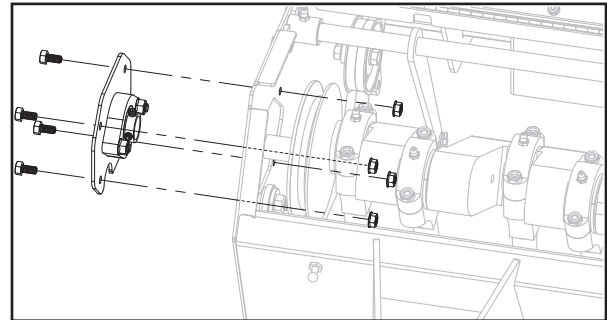


Remove Belt

3. Lower the rear cover and use the lift lever to lower the tine assembly. Lowering the tines will help to support the crankshaft assembly when the bearing is removed.

4. Remove the bearing mount side plate with the bearing still secured to the plate.

NOTE: When removing the side mount plate, some support of the aerator assembly may be necessary.



Remove Bearing Side Plate

5. Replace the belt positioning it just on the front pulley. Reinstall the bearing mount side plate. Fully tighten the mount hardware.
6. Raise the aerator assembly and reinstall the belt on the rear idler pulley.
7. Tighten the set screws to secure the bearing.

Maintenance Instructions

LUBRICATION



CAUTION

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.

Grease Fitting and Oil Point Lubrication

Lubricate the grease fittings and oil points after every 8 hours of operation (or as recommended below).

Gearbox

The gearbox is permanently lubricated (oil filled) and sealed requiring no scheduled lubrication. However, the gearbox oil seal(s) should be checked **every 25 hours** for indication of an oil leak.

If gearbox oil is changed, fill with 15 oz. (44 cl) of 80W-90 gear oil to the level of the fill plug.

Drive Chain

Lubricate the drive chain **every 8 hours**. A light penetrating oil or special purpose chain oil is recommended. Lubricate the drive chain as follows:

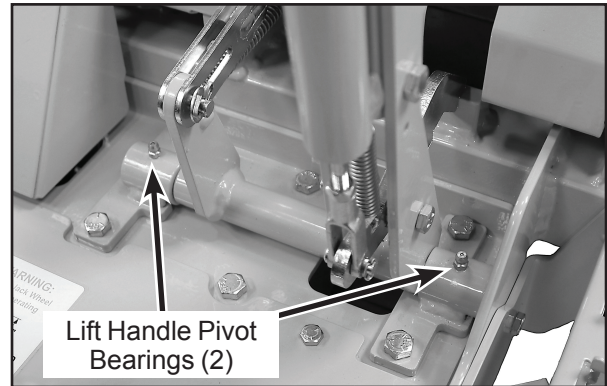
1. Lift the rear cover.
2. Apply oil to the drive chain.
3. Adjust the chain if necessary. Refer to the **Drive Chain Tension Adjustment** on page 14.

PTO U-Joint

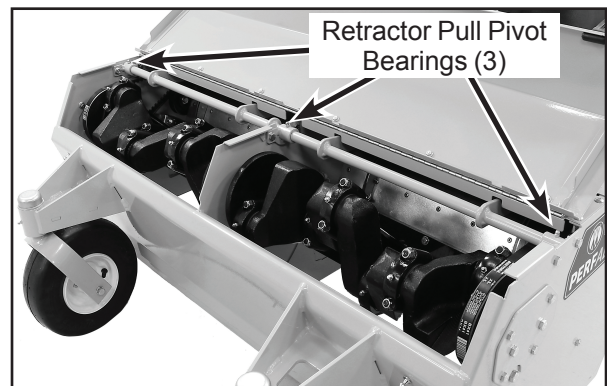
Lubricate the grease fitting for the PTO U-Joint **every 8 hours** with SAE general purpose lithium or molybdenum base grease.

Retractor Pivot Bearings

Lubricate the two (2) grease fittings on the lift lever pivot bearings and the three (3) grease fittings on the retractor pull pivot bearings **every 25 hours**. Use SAE general purpose lithium or molybdenum base grease.



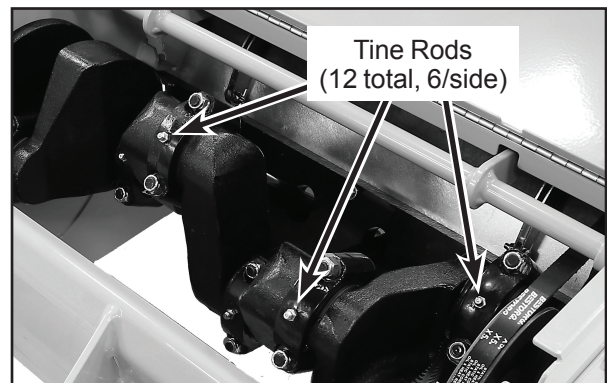
Lubricate the Lift Lever Pivot Bearings



Lubricate the Retractor Pull Pivot Bearings

Tine Rods

Lubricate the twelve (12) grease fittings on the tine rods **every 4 hours**. Use **Almagard® #3752** lubricant (Walker P/N 6685-7).



Lubricate the Tine Rods

Crankshaft Bearings

The bearings at each end of the crankshaft (4 total) should be greased **every 100 hours** of operation. Use SAE general purpose lithium or molybdenum base grease.

LUBRICATION POINTS LIST

ITEM NO.	LOCATION	LUBRICATION TYPE	NO. PLACES	ITEM NO.	LOCATION	LUBRICATION TYPE	NO. PLACES
----------	----------	------------------	------------	----------	----------	------------------	------------

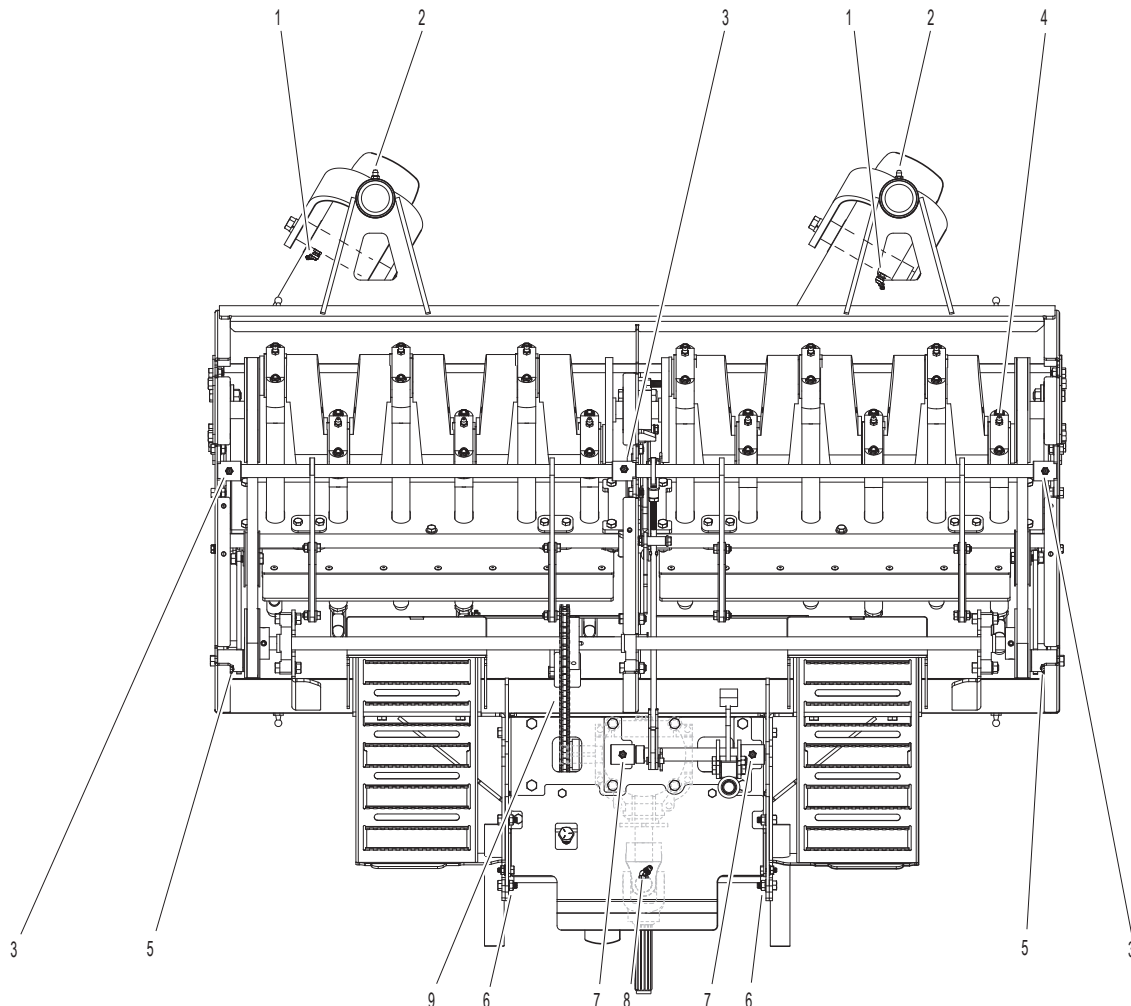
Lubrication Points

1	Deck Caster Wheel Bearing	Grease	2	6	Deck Support Arm Socket	Grease	2
2	Deck Caster Wheel Fork Pivot	Grease	2	7	Lift Handle Pivot Bearings	Grease	2
3	Retractor Pull Pivot Bearings	Grease	3	8	Universal Joint Shaft Assembly	Grease*	1
4	Tine Rods	Grease**	12	9	Drive Chain	Oil*	1
5	Belt Idler Pivot	Grease	2				

* Grease every eight (8) hours.
 ** Grease every four (4) hours using Almagard #3752 lubricant (Walker P/N 6685-7).

NOTE: The gearbox is permanently lubricated (oil filled) and sealed requiring no scheduled lubrication. However, the gearbox oil seal(s) should be checked every 25 hours for indication of an oil leak.

LUBRICATION POINTS DIAGRAM



BODY AND FRAME COMPONENTS PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
Body and Frame Components				Fasteners			
1	1662-1	Tie Down Strap	4	F002	10-24 Keps Nut		8
2	6688-46	Front Cover (Includes Items # 7 & 10)	1	F004	1/4-20 Keps Nut		5
3	5845-2	Rubber Bumper (5/16-18 Female)	2	F014	3/8-16 ESNA Nut		2
4	5856-1	Decal, Made In USA	1	F026	10-24 x 1/2 PPHMS		8
5	6681-27	Decal, Operation	1	F031	1/4-20 x 5/8 Hex Bolt		3
6	6688-29	Rear Cover (Includes Items # 4, 5 & 7)	1	F032	1/4-20 x 3/4 Hex Bolt		2
7	6681-29	Decal, Entanglement Hazard	2	F034	5/16-18 x 3/4 Hex Bolt		8
8	7504-11	Hinge (46")	2	F091	5/16-18 x 5/8 Hex Bolt		8
9	6688-17	Cover Mount	1	F116	1/4-20 x 1-1/4 Hex Bolt		2
10	5800-8	Decal, Walker 16"	1	F128	10-24 x 3/8 PTHMS		24
11	6688-3	PTO Cover	1	F131	5/16-18 x 1/2 Hex Bolt		2
12	6681-28	Decal, Jack Wheel Warning	1	F140	7/16-14 x 1 Hex Bolt		4
13	6688-25	Gearbox Mount	1	F218	7/16 Split Lock Washer		4
14	5155-13	10mm Ball Stud, 5/16-18 3/4 Thread	2	F246	1/4-20 x 1/2 PTHMS		5
15	6688-4	Bearing Mount Side Plate	2	F267	1/2 x 1 x 1/16 Washer		1
16	6682-15	Decal, Perfaerator	2	F344	3/4-16 Slotted Hex Nut		2
17	6686-23	PTO Guard, LH	1	F348	1/8 x 1-1/2 Cotter Pin		2
18	6686-22	PTO Guard, RH	1	F478	5/16-18 x 3-1/4 Hex Bolt		1
19	6686-21	Footrest Guard, LH	1	F551	5/16-18 Flange Top Lock Nut		21
20	6686-20	Footrest Guard, RH	1	F568	10-24 Flange Top Lock Nut		24
21	5146-1	10mm Ball Stud x 5/8	2	F569	1/4-20 Flange Top Lock Nut		9
22	5830	Grease Fitting	2	F596	3/8-16 x 1-1/8 Hex Bolt		2
23	6687-6	Perfaerator Chassis Frame (Includes Items # 16 & 22)	1	F639	Belleville Washer (1.5 x .755 x .072)		2
				F725	1/2-13 x 5-1/2 Hex Bolt All Thread, Grade 5		1
				F726	1/2-13 Flange Nut		1
				F727	1/2-13 Jam Nut		1
				F728	1/2-13 Low Profile ESNA		1
				F729	5/16-18 Torx Head Flat Head Screw		2
				F730	1 x 1/2 x .125 Oil Embedded Washer		1
Jack Wheel Components				* Service Part Only			
24	6689-2	Upper Block	1				
25	6689-4	Jack Wheel Pivot Upright	2				
26	6689-3	Lower Block	1				
27	6689-5	Pivot Sleeve	2				
28	6689-1	Shaft Pivot Ear	2				
29	6715-2	Roller Wheel	1				
30	6715-6	Axle Spacer Tube	1				
31	6715-3	Roller Wheel Bearing	2				
32	6689	Jack Wheel Pivot Weldment	1				
Caster Wheel Components							
33	8767	Axle, Caster Wheel (5-1/8)	2				
34	8768-2	Seal, Reverse Lip	4				
35	8037	Bearing Cone (3/4 ID)	4				
36	8037-2	Bearing Race	4				
37	5830-3	Grease Fitting (45 Deg.)	2				
38	8768-7	Caster Wheel, Pneumatic (11 x 4.00-5)	2				
	8768-3	Tire, Pneumatic (11 x 4.00-5)	*				
	8768-5	Caster Wheel (5 x 3)	*				
39	8766	Axle Nut (3/4-16)	2				
40	8765-14	Caster Wheel Fork	2				
41	8769-7	Seal	2				
42	8769-6	Bearing Cone (1" ID)	4				
43	8769-5	Bearing Cup (2 x 1-5/8)	4				
44	8769-8	Dust Cap, Deck Caster	2				

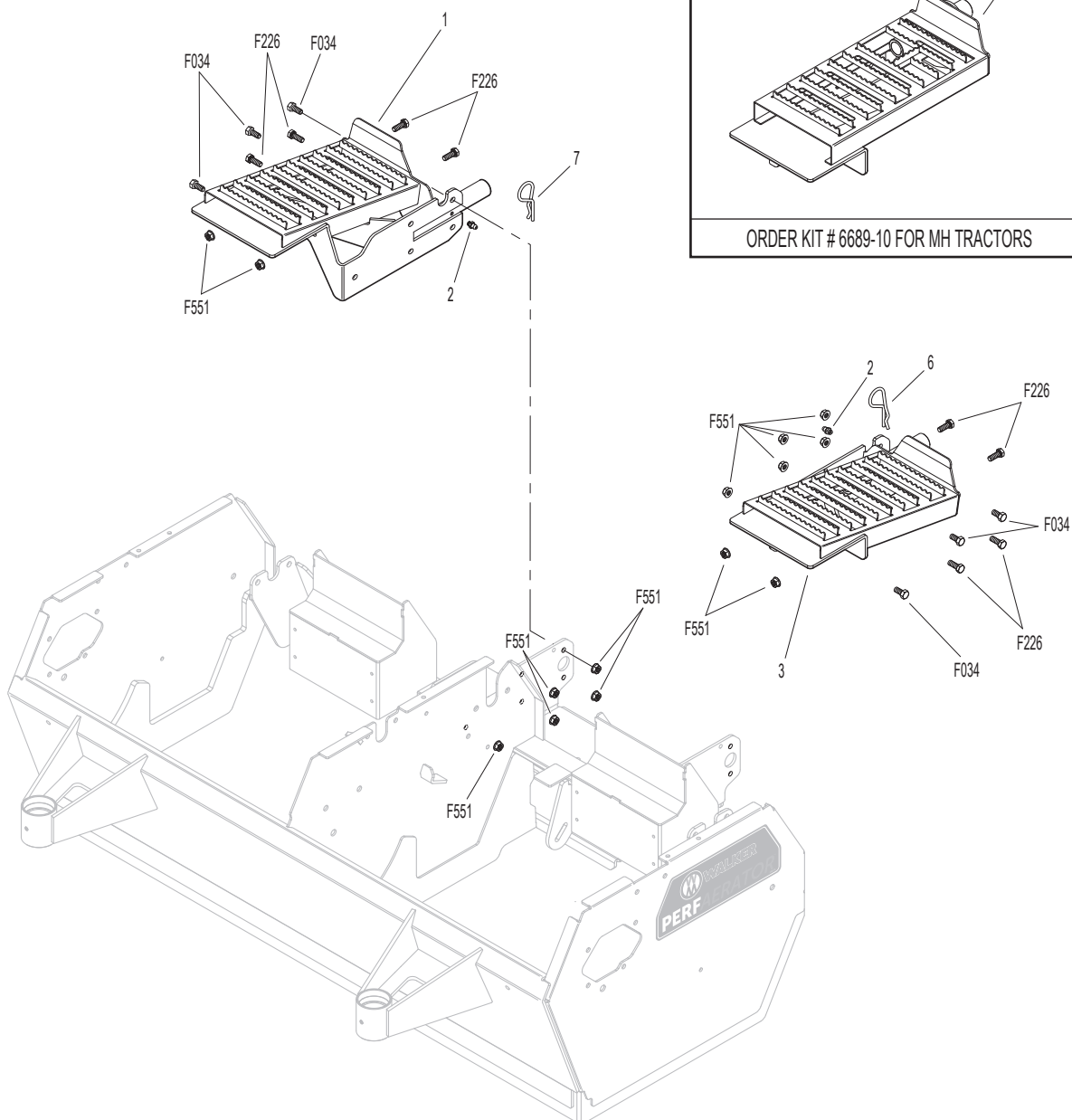
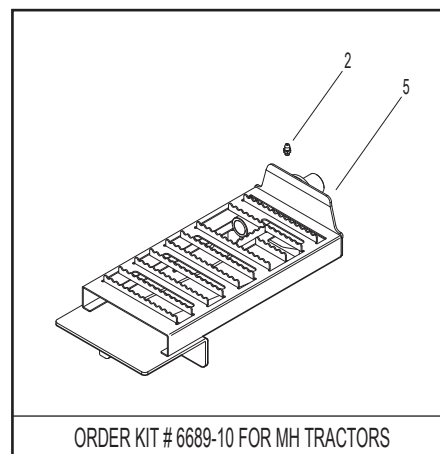
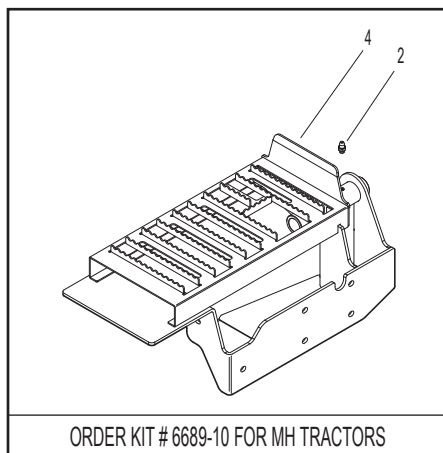
Use only genuine **Walker®** replacement parts.

FOOTREST PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
Footrest Components				Fasteners			
1	6689-6	Foot Mount, RH (Includes Item # 2)	1		F034	5/16-18 x 3/4 Hex Bolt	6
2	5830	Grease Fitting	4		F226	5/16-18 x 7/8 Hex Bolt	8
3	6689-7	Foot Mount, LH (Includes Item # 2)	1		F551	5/16-18 Flange Top Lock Nut	14
4	6689-8	Foot Mount, RH (MH) (Includes Item # 2)	1*	* Not included in A56 assembly. Complete MH Foot Mount Kit available by ordering Kit # 6689-10.			
5	6689-9	Foot Mount, LH (MH) (Includes Item # 2)	1*				
6	7775-1	Hitch Pin, LH (Silver) #6	1				
7	7775-2	Hitch Pin, RH (Gold) #6	1				

Use only genuine **Walker®** replacement parts.

FOOTREST PARTS DIAGRAM



CONTROL LINKAGE PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
Ground Speed Indicator Components				Fasteners			
1	6687-8	Ground Speed Indicator (Includes Item # 5)	1	F003	1/4-28 Hex Nut		2
2	5553-3	Bushing, Powerfil Actuator	2	F004	1/4-20 Keps Nut		2
3	6688-9	Retractor Pull Link	1	F009	5/16-18 Whiz Locknut		2
4	6688-13	Pull Link Bushing	2	F014	3/8-16 ESNA Nut		24
5	6681-26	Decal, Ground Speed Indicator	1	F020	5/16-18 ESNA Nut		1
Control Linkage				F024	5/16-24 Jam Nut		1
6	6624-16	Push Button	1	F039	3/8-16 x 1-1/4 Hex Bolt		4
7	9850-1	Handle Grip	1	F049	5/16 SAE Washer		2
8	6624-15	Push Button Rod	1	F050	1/4 SAE Washer		8
9	6624-8	Lift Lever	1	F069	3/32 x 1/2 Cotter Pin		1
10	8662-5	Square Plug 1 x 1	1	F091	5/16-18 x 5/8 Hex Bolt		6
11	5280	Clevis (1/4)	1	F108	3/8-16 x 2 Hex Bolt		2
12	5281-5	Clevis Pin (1/4 x 0.80)	1	F111	1/8 x 3/4 Cotter Pin		2
13	6688-47	Lift Lever Mount	1	F136	AN960C416L Washer		16
14	5227-1	Extension Spring (1/2 x 4)	1	F172	1/4-20 x 3/4 Carriage Bolt		2
15	5281-2	Clevis Pin (5/16 x 7/8)	2	F187	1/4-20 x 1-1/2 Hex Bolt		2
16	5280-5	Clevis Fork, Long (5/16)	1	F194	7/16 x 1-1/4 x 1/8 Washer		2
17	6688-48	Control Rod Weldment	1	F219	7/16-14 x 1-1/4 Hex Bolt		2
18	5830	Grease Fitting	3	F271	1/4-20 x 2-1/4 Hex Bolt		1
19	6688-6	Retractor Lock	1	F309	1/4-28 x 1/4 Set Screw (Knurled Cup)		8
20	5229	Ext. Spring (1/2 x 2-1/4)	1	F316	5/16-18 x 1-3/4 Hex Bolt		11
21	6688-21	Retractor Pull Pivot Bearing (Includes Item # 18)	3	F350	1/4-20 LP Nylock		8
22	6687-10	Retractor Link	8	F404	5/8-18 Jam Nut		12
23	6688-18	Retractor Pull Weldment	1	F551	5/16-18 Flange Top Lock Nut		14
Tine Crank Assembly Components				F569	1/4-20 Flange Top Lock Nut		12
24	6687	Crankshaft, 6 Tine	2	F587	3/8-16 Top Lock Flange Nut, Grade G		6
25	6685-22	Flanged Bearing 1" (Includes Item # F309)	4	F591	7/16-14 Flange Top Lock Nut		3
26	6687-2	Journal Bearing, 2"	24	F705	1/4-20 x 13/16 Hex Bolt		8
27	6687-3	Tine (Includes Item # F404)	12	F720	7/16-14 x 2 Hex Bolt		1
28	6687-1	Keyed Tine Rod & Cap	12				
29	6688-27	Outer Retractor Plate, LH	1				
30	4452-6	Steering Pivot (1/4-20 x 1-5/8)	8				
31	6688-22	Cable Mount Plate	4				
32	6688-26	Retractor Back Up Plate	4				
33	6688-19	Inner Cable Mount	2				
34	6688-20	Outer Cable Mount	2				
35	6686-25	Plug Deflector Shield, LH	1				
36	6686-8	Retractor Plate	2				
37	6686-24	Plug Deflector Shield, RH	1				
38	5840-3	Deck Arm Bushing	4				
39	6688-24	Retractor Plate, RH	1				
40	6688-14	Retractor Plate Pivot Spacer	2				
41	6688-23	Retractor Plate, LH	1				
42	6688-28	Outer Retractor Plate, RH	1				

Use only genuine **Walker®** replacement parts.

[illegible]

POWER TRANSMISSION PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
Power Transmission Components				Fasteners			
1	6688-8	Lift Lever Pivot Bearing (Includes Item # 2)	2	F014	3/8-16 ESNA Nut		4
2	5830	Grease Fitting	4	F031	1/4-20 x 5/8 Hex Bolt		2
3	6875	Decal, PTO Align. Arrow	1	F039	3/8-16 x 1-1/4 Hex Bolt		6
4	6683-8	U-Joint Shaft Assembly (Includes Items # F076, F149 & F318)	1	F040	3/8-16 x 1-1/2 Hex Bolt		2
5	6683	PTO Gearbox	1	F041	3/8-16 x 1-3/4 Hex Bolt		1
6	6687-5	Drive Shaft	1	F042	3/8-16 x 2-1/4 Hex Bolt		2
7	6685-24	#50 Connecting Link	*	F051	3/8 SAE Washer		4
8	6685-19	O-Ring Chain (#50 x 54 Links)	1	F067	3/16 x 3/16 x 1 Key		1
9	5237-9	Pulley (4/B) (Includes Items # F153 & F718)	2	F076	3/8-16 x 5/8 SQH Set Screw		1
10	5841	Retainer Washer (3/8 x 1-1/4)	2	F149	1/4 x 1/4 x 1-1/2 Key		1
11	7201-3	Fiberglide Bearing	4	F153	3/16 x 3/16 x 1-1/4 Key		2
12	7201-4	Inner Race (1-1/2)	2	F290	3/8-16 x 5 Hex Bolt		2
13	6688-7	Belt Idler Arm, LH (Includes Items # 2 & 11)	1	F318	3/8-16 x 3/4 SQH Set Screw		1
14	2221	Extension Spring (1 x 4)	2	F359	5/16-18 x 5/16 Set Screw (Knurl Point)		2
15	6349-2	Flange Bearing 3/4"	3	F447	1/4 x 1/4 x 1 Key		1
16	5245	Idler Pulley (3")	2	F569	1/4-20 Flange Top Lock Nut		2
17	6685-23	Drive Belt	2	F587	3/8-16 Top Lock Flange Nut, Grade G		15
18	6688-15	Idler Sprocket Bushing	1	F596	3/8-16 x 1-1/8 Hex Bolt		4
19	6685-20	Idler Sprocket 5/8 Bore 50-BB-13	1	F718	5/16-18 x 5/16 Set Screw (Knurl Point)		4
20	6685-1	Gearbox Sprocket	1	F719	3/8-16 x 4-3/4" Hex Bolt		2
21	6688-16	Belt Idler Arm, RH (Includes Items # 2 & 11)	1				
22	6685-21	Drive Shaft Sprocket 3/4 Bore 50-BB-19	1				

* Service Part Only

Use only genuine **Walker®** replacement parts.

[illegible]

MAINTENANCE AND SERVICE RECORD SHEET

[illegible]

LIMITED WARRANTY FOR WALKER A56 PERFAERATOR ATTACHMENT

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. All parts and components of the Walker A56 Perfaerator Attachment are covered by this warranty.

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 attachment 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.

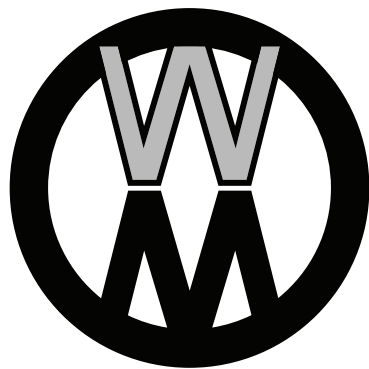
4. Warranty limitation:

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 ATTACHMENT.** 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

WALKER MFG. CO. • 5925 E. HARMONY ROAD, FORT COLLINS, CO 80528 • (970) 221-5614
FORM NO. 010526 PRINTED IN USA www.walker.com ©2026 WALKER MFG. CO