

JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

Aercore® Aerator
800

OMTCU17121 J2

OPERATOR'S MANUAL



JOHN DEERE

⚠ WARNING: The Engine Exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

California Proposition 65 Warning

North American Version
Litho in U.S.A.

INTRODUCTION

Thank You for Purchasing a John Deere Product

We appreciate having you as a customer and wish you many years of safe and satisfied use of your machine.

Using Your Operator's Manual

This manual is an important part of your machine and should remain with the machine when you sell it.

Reading your operator's manual will help you and others avoid personal injury or damage to the machine. Information given in this manual will provide the operator with the safest and most effective use of the machine. Knowing how to operate this machine safely and correctly will allow you to train others who may operate this machine.

If you have an implement, use the safety and operating information in the implement operator's manual along with the machine operator's manual to operate the implement safely and correctly.

This manual and safety signs on your machine may also be available in other languages (see your John Deere dealer to order).

Sections in your operator's manual are placed in a specific order to help you understand all the safety messages and learn the controls so you can operate this machine safely. You can also use this manual to answer any specific operating or servicing questions. A convenient index located at the end of this book will help you to find needed information quickly.

The machine shown in this manual may differ slightly from your machine, but will be similar enough to help you understand our instructions.

RIGHT and LEFT sides are determined by facing in the direction the machine will travel when going forward. When you see a broken line (-----), the item referred to is hidden from view.

Before delivering this machine, your dealer performed a predelivery inspection to ensure best performance.

Special Messages

Your manual contains special messages to bring attention to potential safety concerns, machine damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.



CAUTION: Avoid injury! This symbol and text highlight potential hazards or death to the operator or bystanders that may occur if the hazards or procedures are ignored.

IMPORTANT: Avoid damage! This text is used to tell the operator of actions or conditions that might result in damage to the machine.

NOTE: General information is given throughout the manual that may help the operator in the operation or service of the machine.

PRODUCT IDENTIFICATION

Record Identification Numbers

Aercore® Aerator

800 PIN (045001 -)

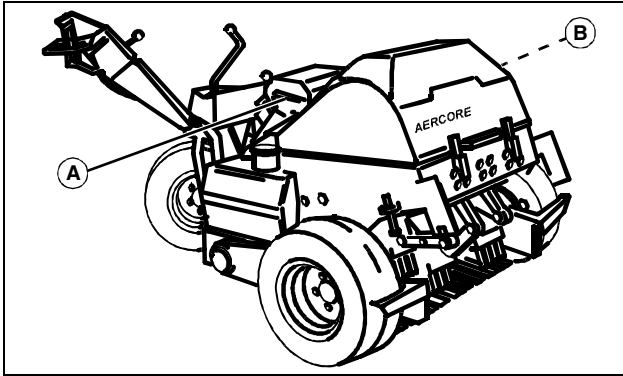
If you need to contact an Authorized Service Center for information on servicing, always provide the product model and identification numbers.

You will need to locate the identifications numbers for the product. Record the information in the spaces provided below.

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:



MIF

PRODUCT IDENTIFICATION NUMBER (A):

ENGINE SERIAL NUMBER (B):

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Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>

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OMTCU17121 J2 - English

SAFETY

Understanding The Machine Safety Labels



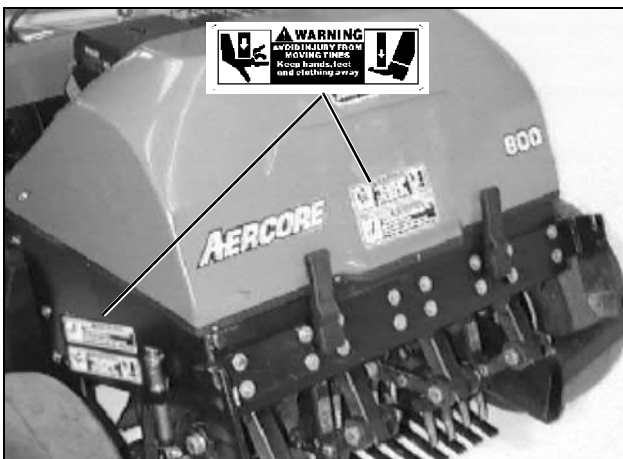
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The machine safety labels shown in this section are placed in important areas on your machine to draw attention to potential safety hazards.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards.

The operator's manual also explains any potential safety hazards whenever necessary in special safety messages that are identified with the word, CAUTION, and the safety-alert symbol.

WARNING

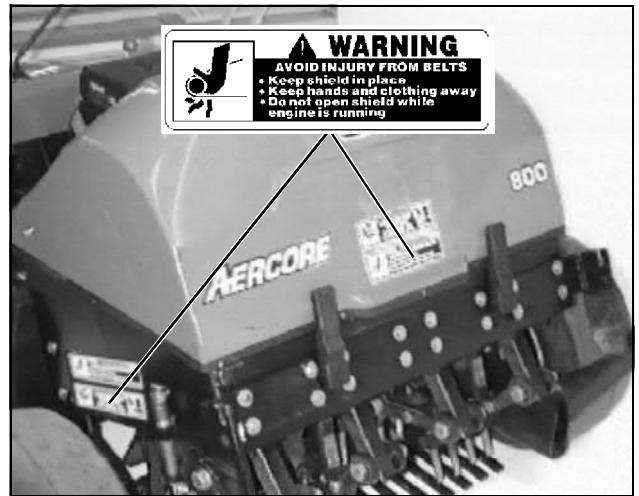


MT3044, M88392

AVOID INJURY FROM MOVING TINES

Keep hands, feet and clothing away

WARNING



MT3082, M88392

AVOID INJURY FROM BELTS

- Keep shield in place
- Keep hands and clothing away
- Do not open shield while engine is running

WARNING



MT3894, MX17108

- To avoid injury, read operator's manual, know location and function of all controls.
- Keep all shields in place.
- Stay clear of power driven parts.
- Never carry riders.
- Keep others away.
- Before servicing or leaving machine: Stop engine, set park brake, lower or block up machine and remove key.

SAFETY

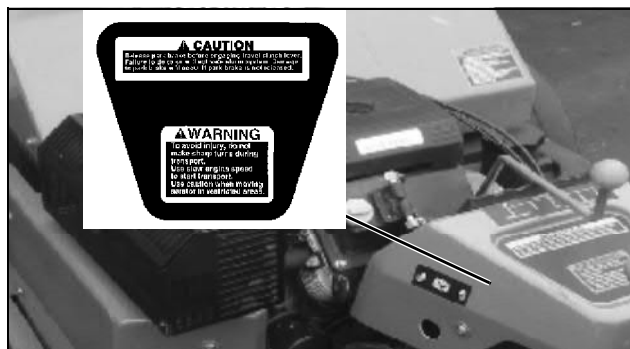
WARNING



M118611, MX17108

HOT SURFACES

CAUTION



MT4925, MX17108

Release park brake before engaging travel clutch lever. Failure to do so will activate alarm system. Damage to park brake will occur if park brake is not released.

WARNING

To avoid injury, do not make sharp turns during transport. Use slow engine speed to start transport. Use caution when moving aerator in restricted areas.

Emission Control System Certification Label (Small Off-Road Gas Engines)

NOTE: Tampering with emission controls and components by unauthorized personnel may result in severe fines or penalties. Emission controls and components can only be adjusted by EPA and/or CARB authorized service centers. Contact your John Deere Commercial and Consumer Equipment Retailer concerning emission controls and component questions.

The presence of an emissions label signifies that the engine has been certified with the United States Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB).

The emissions warranty applies only to those engines marketed by John Deere that have been certified by the EPA and/or CARB; and used in the United States and Canada in off-road mobile equipment.

Emission Compliance Period (Small Off-Road Gas Engines)

If your engine has the emission compliance category listed on the emission control system certification or air index label, this indicates the number of operating hours for which the engine has been certified to meet EPA and/or CARB emission requirements. The following table provides the engine compliance period in hours associated with the category found on the certification label.

Agency	Category	Hours
EPA	C	250
EPA	B	500
EPA	A	1000
CARB	Moderate	125
CARB	Intermediate	250
CARB	Extended	500

Canadian Electromagnetic Compatibility (EMC) Compliance

This spark ignition system complies with Canadian ICES-002.

Certification

Your product has been tested and evaluated by the manufacturer and conforms with American National Standard B-71.4, "Safety Specifications" for commercial turf care equipment.

Operator Training Required

- The owner of the machine is responsible for training the users and mechanics of the machine.

SAFETY

- The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people, or property.
- Do not allow operation or service of the machine by untrained adults.
- Do not let children operate the machine. Local regulations may restrict the age of the operator.
- Read the operator's manual and study the safety and operation sections before operating the machine.
- If the operator of the machine cannot read or understand this manual, it is the machine's owner responsibility to explain this material to the operator. This publication is available in other languages.
- Operate the machine in an open, unobstructed area under the direction of an experienced operator.
- Learn the use of all controls.
- Operator experience is required to learn the moving, stopping, turning and other operating characteristics of the machine.

Operating Safely

- Only allow responsible adults, who are familiar with the instructions to operate the machine. Local restrictions may restrict the age of the operator.
- Inspect machine before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts. Replace faulty silencers. Be sure guards and shields are in good condition and fastened in place. Make any necessary adjustments before you operate.
- Be sure all drives are in neutral and parking brake is locked before starting engine. Only start engine from the operator's position.
- Do not change the engine governor settings or overspeed the engine. Operating the engine at excessive speed can increase the hazard of personal injury.
- Check brake action before you operate. Adjust or service brakes as necessary.
- Stop machine if anyone enters the area.
- If you hit an object or if abnormal vibration occurs, stop and inspect the machine. Make repairs before you operate. Keep machine and attachments properly maintained and in good working order.
- Do not leave machine unattended when it is running.
- Only operate during daylight or with good artificial light.
- Raise the aeration head and stop tining action before crossing surfaces other than grass.
- Use only accessories and attachments approved by the

manufacturer of the machine. Keep safety labels visible when installing accessories and attachments.

- Do not operate machine if you are under the influence of drugs or alcohol.
- Check before each use that operator presence controls are functioning correctly. Test safety systems. Do not operate unless they are functioning correctly.
- Do not wear radio or music headphones. Safe service and operation require your full attention.
- Disengage drive to attachments when transporting or not in use.
- Reduce the throttle setting during engine run-out and, if the engine is provided with a fuel shut-off valve, turn the fuel off at the conclusion of mowing.
- When machine is left unattended, stored, or parked, lower the aeration head unless a positive mechanical lock is used.

Parking Safely

1. Park machine on a level surface.
2. Block machine safely off the ground using transport stops.
3. Lock the park brake.
4. Stop the engine and remove the key.

Using a Spark Arrestor

The engine in this machine is not equipped with a spark arrestor muffler. It is a violation of California Public Resource Code Section 4442 to use or operate this engine on or near any forest-covered, brush-covered or grass-covered land unless the exhaust system is equipped with a spark arrestor meeting any applicable local or state laws. Other states or federal areas may have similar laws.

A spark arrestor for your machine may be available from your John Deere dealer. An installed spark arrestor must be maintained in good working order by the operator.

Be Familiar With the Work Area

- Identify locations of buried irrigation and electrical cables.
- Identify locations of sprinkler heads, fairway markers and other obstacles.
- Identify areas on greens where there is little or no room for turning machine at end of a pass.

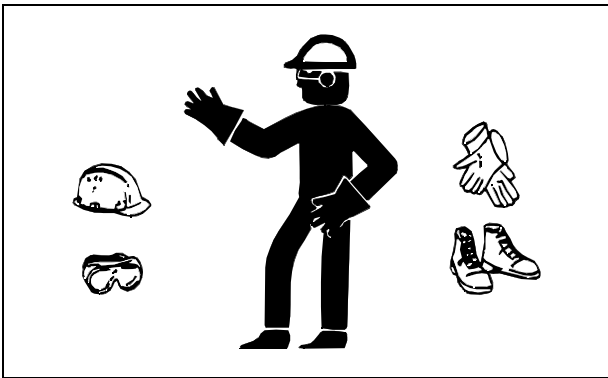
SAFETY

- Have a plan for aerating the green before beginning.

Avoid Tipping

- Do not operate where machine could slip or tip.
- Stay alert for holes and other hidden hazards in the terrain.
- Operate up and down a hill - not across. Be careful when you change direction on a slope.
- Keep away from drop-offs.
- Slow down before you make a sharp turn or operate on a slope.

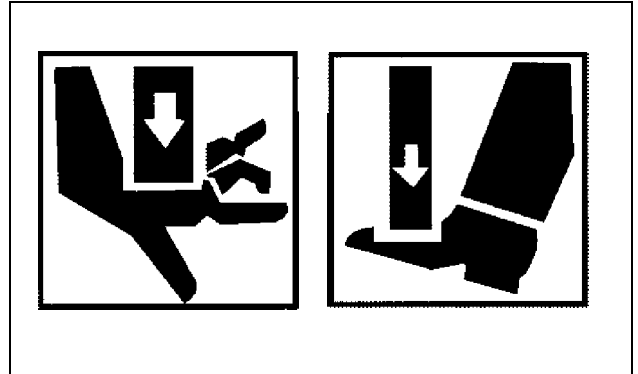
Wear Appropriate Clothing



MIF

- Always wear safety goggles, or safety glasses with side shields, and a hard hat when operating the machine.
- Wear close fitting clothing and safety equipment appropriate for the job.
- Do not operate the equipment when barefoot or wearing open sandals.
- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.

Avoid Injury From Moving Parts



M86255, M86254

Keep hands, feet, clothing and other objects away from moving parts.

Do not attempt to remove any obstruction from tine area while machine is in motion.

Practice Safe Maintenance



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- Only qualified, trained adults should service this machine.
- Understand service procedure before doing work. Keep area clean and dry.
- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- Never lubricate, service, or adjust machine while it is moving. Keep safety devices in place and in working condition. Keep hardware tight.
- Keep hands, feet, clothing, jewelry, and long hair away from any moving parts, to prevent them from getting caught.
- Lower aeration head to transport stops or block up with wooden blocks. Disengage all power and stop the engine. Lock park brake and remove the key. Let machine cool.
- Disconnect battery or remove spark plug wire (for

SAFETY

gasoline engines) before making any repairs.

- Before servicing machine, carefully release pressure from components with stored energy such as hydraulic components.
- Keep all nuts and bolts tightened, especially blade attachment bolts.
- Securely support any machine elements that must be raised for service work. Use jack stands or lock service latches to support components when needed.
- Never run engine unless park brake is locked.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Replace all worn or damaged safety and instruction decals.
- To prevent fires, remove any buildup of grease, oil, or debris from the machine, especially the engine compartment.
- Charge batteries in an open, well-ventilated area, away from sparks. Unplug battery charger before connecting or disconnecting from the battery. Wear protective clothing and use insulated tools.
- Do not modify machine or safety devices. Unauthorized modifications may impair its function and safety.

Tire Safety

Explosive separation of a tire and rim parts can cause serious injury or death:



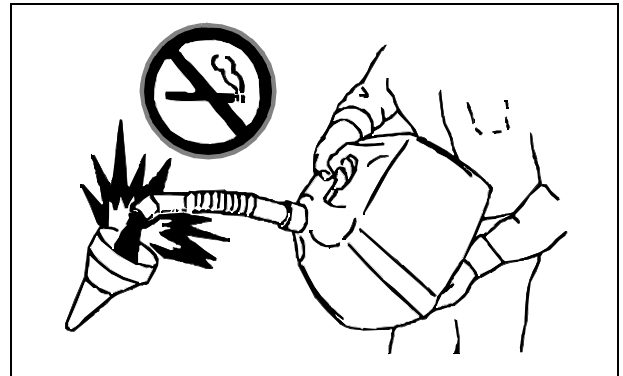
MIF

- Do not attempt to mount a tire without the proper equipment and experience to perform the job.
- Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.
- When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly.

- Check tires for low pressure, cuts, bubbles, damaged rims or missing lug bolts and nuts.

Handling Fuel Safely

Fuel and fuel vapors are highly flammable and explosive:



MIF

- Do not refuel machine while you smoke, when machine is near an open flame or sparks, or when engine is running. Stop engine and allow to cool before filling.
- Never remove the fuel cap or add fuel with the engine running.
- Never fill fuel tank or drain fuel from a machine in an enclosed area. Fill fuel tank outdoors.
- Prevent fires. Clean up spilled fuel immediately.
- Do not store machine with fuel in tank in a building where fumes may reach an open flame or spark.
- Prevent fire and explosion caused by static electric discharge. Use only non-metal, portable fuel containers approved by the Underwriter's Laboratory (U.L.) or the American Society for Testing and Materials (ASTM). If using a funnel, make sure it is plastic and has no screen or filter.

SAFETY

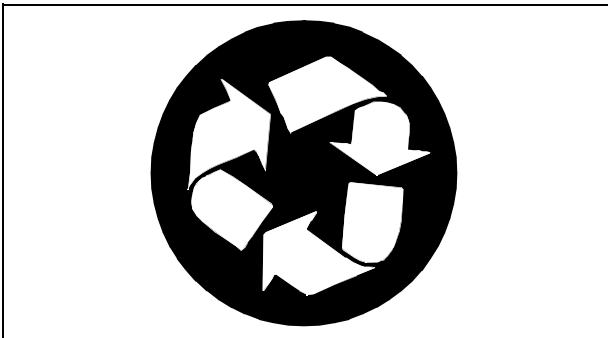


MIF

- Static electric discharge can ignite gasoline vapors in an ungrounded fuel container. Remove the fuel container from the bed of a machine or the trunk of a car and place on the ground away from the machine before filling. Keep nozzle in contact with container opening while filling.
- When practical, remove equipment from trailers or truck beds and refuel them on the ground. If this is not possible, use a portable, plastic fuel container to refuel equipment on a truck bed or trailer.
- For gasoline engines, do not use gas with methanol. Methanol is harmful to your health and to the environment.

Handling Waste Product and Chemicals

Waste products, such as, used oil, fuel, coolant, brake fluid, and batteries, can harm the environment and people:



MIF

- DO NOT use beverage containers for waste fluids - someone may drink from them.
- See your local Recycling Center or John Deere dealer to learn how to recycle or get rid of waste products.
- A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques. The seller of the chemical products used with your machine is responsible for providing the MSDS for that product.

OPERATING

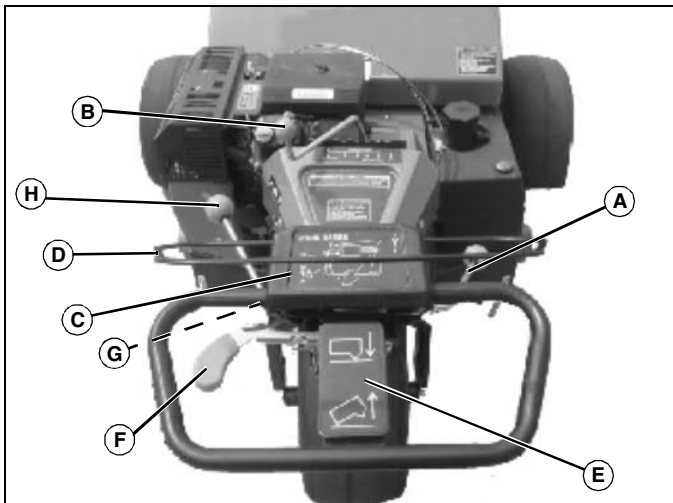
Daily Operating Checklist

- Check gas and oil levels.
- Check for correct tire pressure.
- Check brake action.
- Check belt tension.
- Check for damaged turf guards.
- Check for loose or broken tines.
- Check for loose or missing hardware.
- Check for bent or damaged aerating links.

Avoid Damage to Plastic and Painted Surfaces

- Do not wipe plastic parts unless rinsed first.
- Insect repellent spray may damage plastic and painted surfaces. Do not spray insect repellent near machine.
- Be careful not to spill fuel on machine. Fuel may damage surface. Wipe up spilled fuel immediately.

Controls



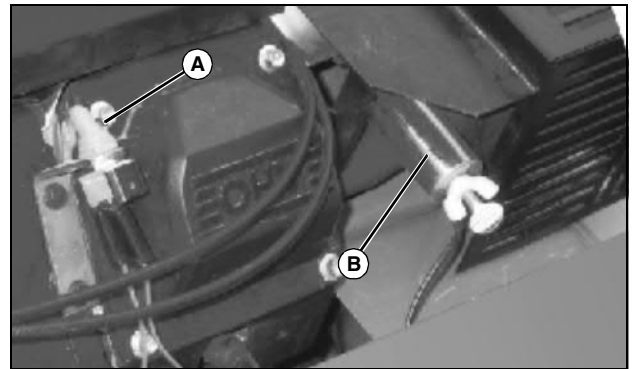
MX17109

- A - Park Brake Lever
- B - Gear Selector
- C - Operator Controls Decal
- D - Operator Presence Bail
- E - Aerator Engagement Switch
- F - Throttle Lever
- G - Choke Lever
- H - Travel Clutch Lever



MX17110

- A - Key Switch
- B - Manual/Automatic Switch



MX17111

- A - Throttle Solenoid Switch
- B - Throttle Solenoid

Adjusting Tine Coring Depth

IMPORTANT: Avoid damage! Do not operate the machine without the depth adjustment pins in place. Damage may occur to aeration head components.

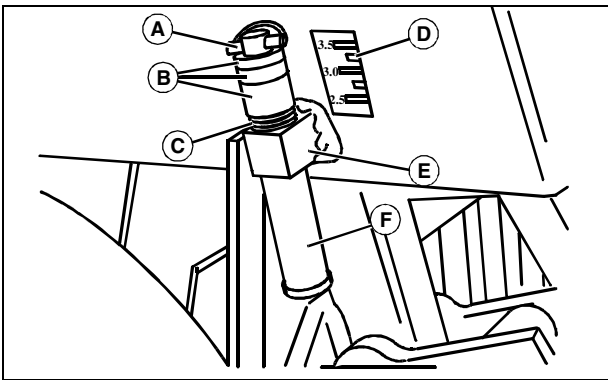
Depth must be set equally with adjustment pins located on each side of the aeration head.

NOTE: Use three different-sized spacers, one 12.7 mm (0.5 in.) spacer, one 6.35 mm (0.25 in.) spacer and one 25.4 mm (1.0 in.) alone or in combination to provide tine depth range between 63.5 mm (2.5 in.) and 90 mm (3.5 in.).

OPERATING

Coring Depth	Spacer Placement
63.5 mm (2.5 in.)	Install 25.4 mm (1.0 in.) spacer below stop. Install remaining spacers above stop.
70 mm (2.75 in.)	Install 12.7 mm (0.5 in.) and 6.35 mm (0.25 in.) below stop. Install 25.4 mm (1.0 in.) spacer above.
76.2 mm (3.0 in.)	Install 12.7 mm (0.5 in.) spacer below stop. Install remaining spacers above stop.
90 mm (3.5 in.)	Install all spacers above stop.

1. Raise aeration head and place transport stops into Transport position. Lower aeration head onto stops.



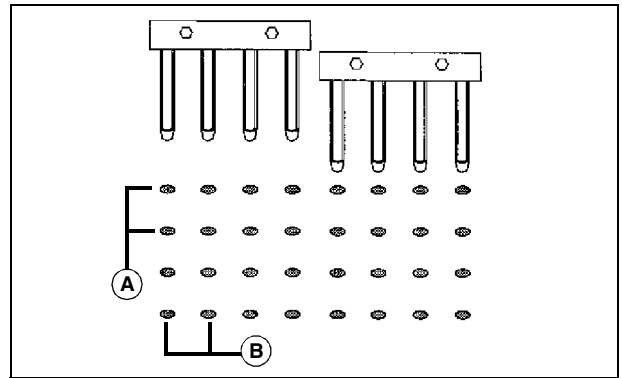
MIF

Picture Note: Set at depth of 90 mm (3.5 in.)

- Remove spring locking pin (A) from depth adjustment pin (F).
- Slide adjustment pin down through stop (E) to remove spacers (B) and spring (C) on pin above the stop.
- Use the depth indicator label (D) to set tine depth. Spring locking pin is aligned selected depth on label.
- Add or remove spacers (B) to adjustment pin below stop to achieve the desired depth.
- Insert adjustment pin through stop. Place spring (C) and spacers not used to set depth onto adjustment pin above stop.
- Install spring locking pin on adjustment pin to secure spacers.

Adjusting Holes-Per-Square-Foot Dimension

Holes per square foot are determined by the ground speed of the machine and the tine holder used.



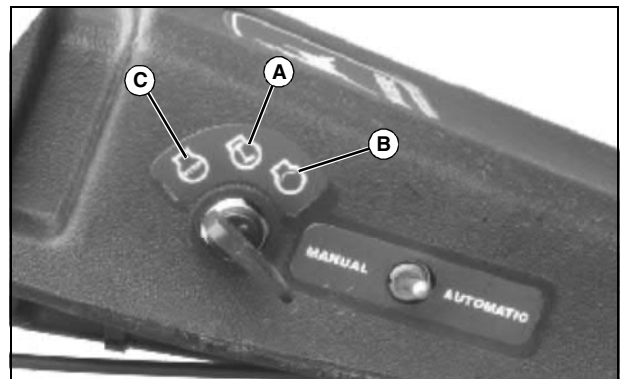
M86248

- Increasing the ground speed will reduce the number of holes per square foot, but will increase forward hole spacing (A) and increase the square feet aerated per hour.

- Changing from 4x holders to mini tine holders will decrease the tine hole spacing (B) and increase the number of holes per square foot.

Ground speed is determined based on the number of holes desired per square foot. Before beginning operation, take machine to practice area to determine needed speed to provide desired holes per square foot.

Using Key Switch

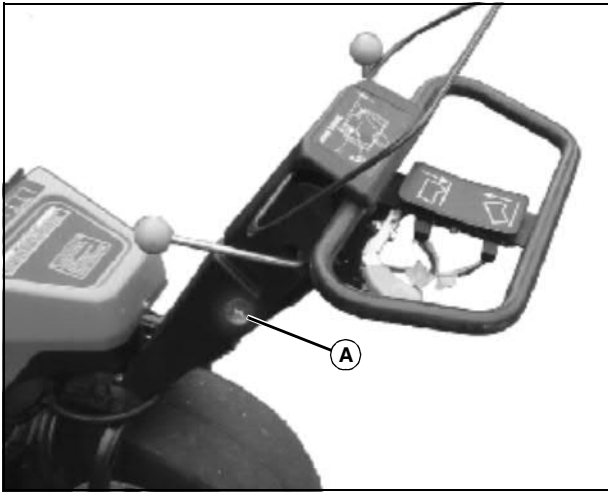


MX17110

- Turn the key to the on position (A) to allow the aeration head to be raised or lowered without the engine running.
- Turn the key to start position (B) to start the machine.
- Turn the key to the STOP position (C) to stop engine or after manually using the MANUAL/AUTOMATIC switch.

OPERATING

Using Choke Lever

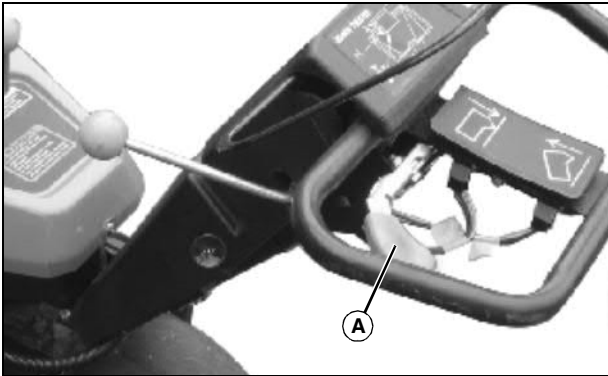


MX17112

1. Pull choke lever (A) out for the choke position when starting a cold engine.
2. After engine has started, push choke lever in completely.

Using Throttle Lever

NOTE: Adjust throttle lever depending on ground contour and condition of green.

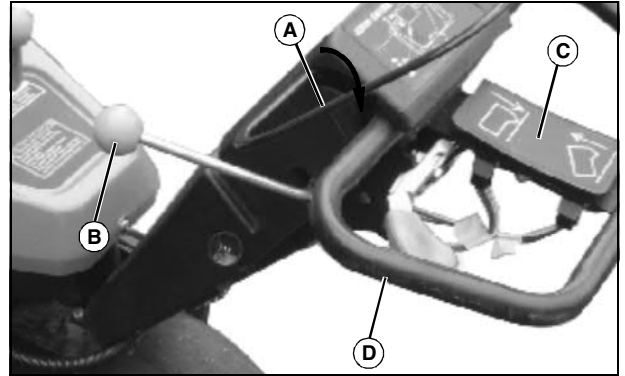


MX17113

1. Push lever (A) down to increase engine speed.
2. Pull lever (A) up to decrease engine speed.

Using Operator Presence Bail

NOTE: When bail (A) is released during operation, the drive clutch and lever (B) will automatically disengage and the aeration head will stop rotating and fully rise.

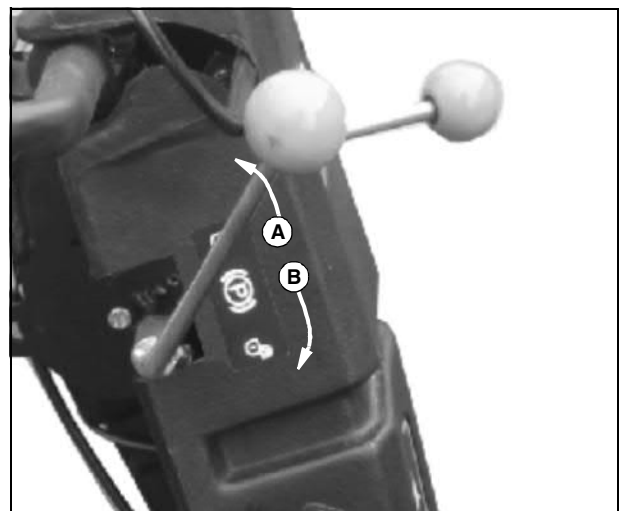


MX17113

1. The operator presence bail (A) permits engagement of the drive clutch (B), and operation of the aerator engagement switch (C), when squeezed to the handlebar (D).
2. Hold the operator presence bail to the handlebar to allow forward or reverse motion of the machine and when lowering or raising aeration head.

Using Park Brake

IMPORTANT: Avoid damage! Unlock park brake before engaging clutch lever to begin forward motion. Alarm will sound if travel clutch is engaged while park brake is locked. Damage to brake will occur if machine travels with brake locked.



MX17114

1. Lock the park brake by rotating the lever toward the operator station (A).

OPERATING

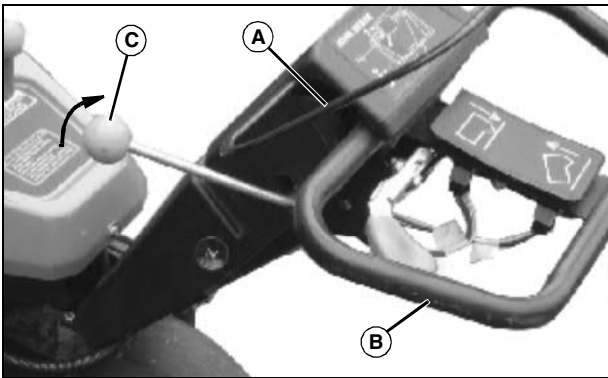
2. Unlock the park brake by rotating the lever toward the engine (B).

Using Travel Clutch Lever



CAUTION: Avoid injury! Help avoid injury to operator and bystanders. Begin machine travel with throttle at low RPM to prevent sudden, quick movement. Adjust RPM after machine begins travel.

IMPORTANT: Avoid damage! Unlock park brake before engaging clutch lever to begin forward motion. Alarm will sound if travel clutch is engaged while park brake is locked. Damage to brake will occur if machine travels with brake locked.



MX17113

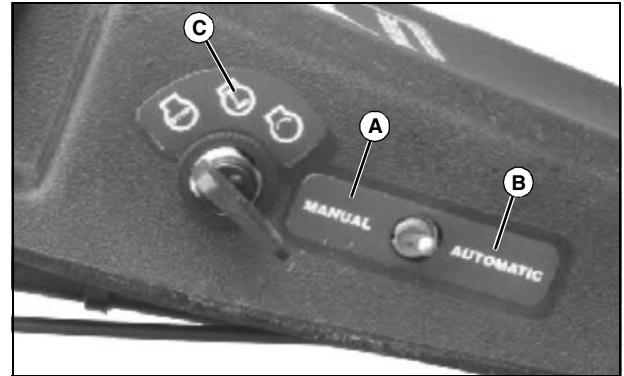
1. Hold bail (A) to handlebar (B).
2. Start engine. Position throttle for low engine RPM.
3. Unlock park brake.
4. Select travel gear.
5. Pull clutch lever (C) toward the operator to engage drive clutch.

NOTE: If alarm sounds when clutch lever is engaged, raise aeration head completely and release bail to stop travel. Unlock park brake before continuing.

6. Machine will begin travel motion.
7. Adjust throttle to higher engine RPM as necessary.
8. Release bail (A) to stop travel. Travel clutch lever must return to disengage position. Machine must stop travel motion.

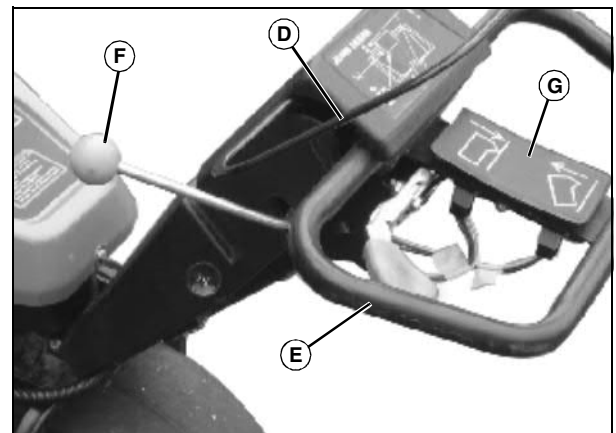
Using Aerator Engagement Switch

Raise or Lower Aeration Head Manually or Automatically with Engine Off



MX17110

1. Put manual/automatic switch in MANUAL (A) or AUTO position (B).
2. Turn key to on position (C).



MX17113

3. Hold bail (D) to handlebar (E).
4. Pull clutch lever (F) toward the operator to engage drive clutch.
5. Change head position.

With switch in Manual position:

- To lower: push and hold the aerator engagement switch (G) in the direction of the aeration head.
- To raise: push and hold the aerator engagement switch (G) toward the operator.

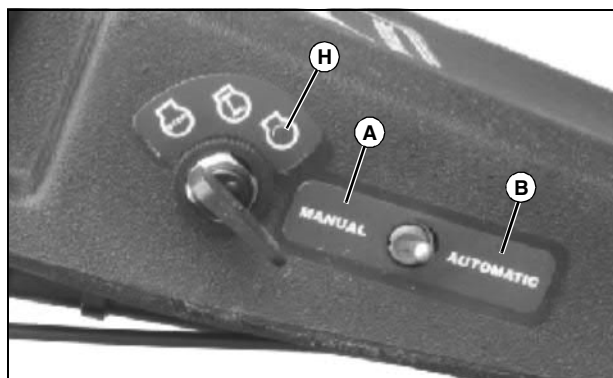
With switch in Automatic position:

- To lower: push the aerator engagement switch (G) in the direction of the aeration head and release.
- To raise: push the aerator engagement switch (G) toward the operator and release.

OPERATING

Raise or Lower Aeration Head Manually or Automatically During Aeration Operation

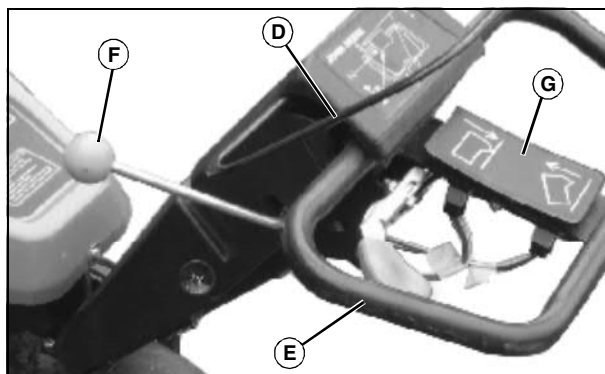
CAUTION: Avoid injury! Keep hands out of tine area while engine is running. With the engine running, tining action will begin as soon as the coring head begins to lower.



MX17110

1. Put manual/automatic switch to MANUAL (A) or AUTOMATIC position (B).
2. Rotate key to start position (H), and start engine.

NOTE: When bail (D) is released during operation, the drive clutch and lever (E) will disengage and the aeration head will stop rotating and fully rise.



MX17113

3. Hold bail (D) to handlebar (E).
4. Pull clutch lever (F) toward the operator to engage drive clutch.
5. Change Head Position.

With switch in Manual position:

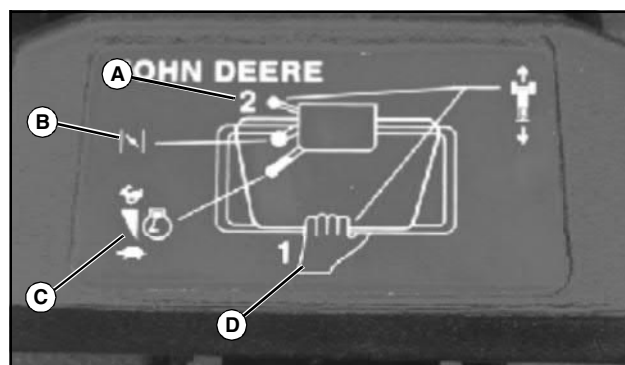
- To lower: push and hold the aerator engagement switch (G) in the direction of the aeration head.
- To raise: push and hold the aerator engagement switch (G) toward the operator.

With switch in Automatic position:

- To lower: push the aerator engagement switch (G) in the direction of the aeration head and release.
- To raise: push the aerator engagement switch (G) toward the operator and release.

Using Operator Controls Decal

NOTE: The operator controls decal is located on the steering handle console. It is designed to be a quick reference for operators to understand basic control functions.



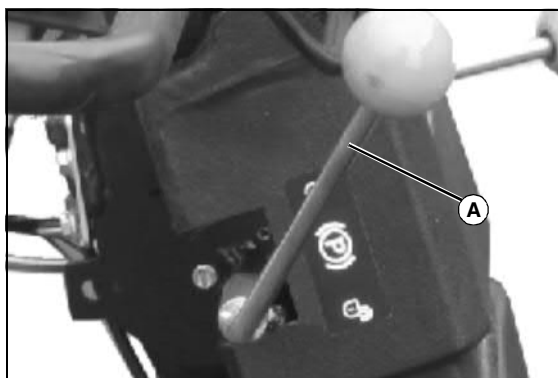
M88416

1. Figures 1 and 2 (D and A) indicate that the operator bail (D) must be held down and the travel clutch lever (A) must be pulled toward the operator to engage machine travel in either direction.
2. Key (B) indicates the location of the choke.
3. Key (C) indicates the location of the throttle.

OPERATING

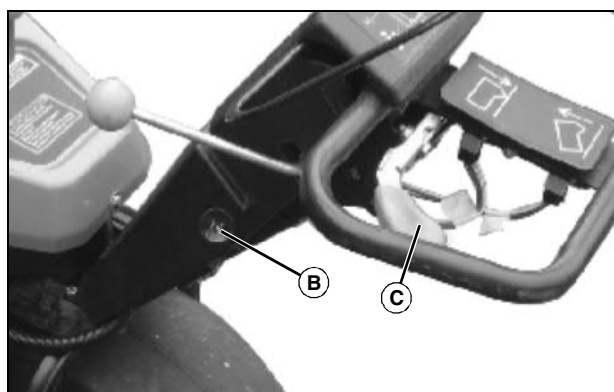
Starting The Engine

IMPORTANT: Avoid damage! Aeration head must be fully raised before starting engine or machine travel. Tining action will begin if head is not fully raised.



MX17114

1. Lock park brake (A).
2. Raise the aeration head completely.



MX17113

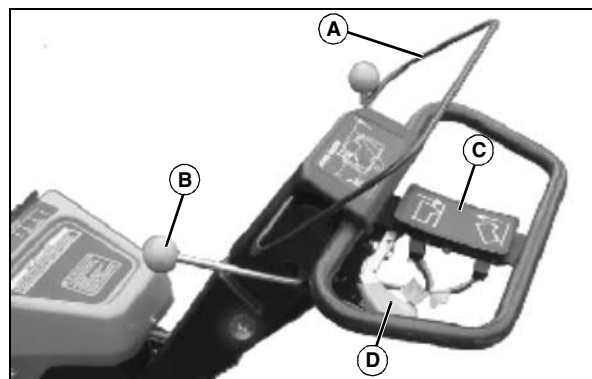
3. Pull choke (B) out to set choke at closed position.
4. Set throttle lever (C) midway between slow and fast positions.

IMPORTANT: Avoid damage! Do not crank the engine continuously for more than 10 seconds at a time. If the engine does not start, wait 60 seconds before attempting to start the engine again.

5. Turn key to on position.
6. Adjust choke position:
 - For a warm engine: move choke to open position after engine has started.
 - For a cold engine: Gradually return the choke to the open position after allowing the engine to warm up.

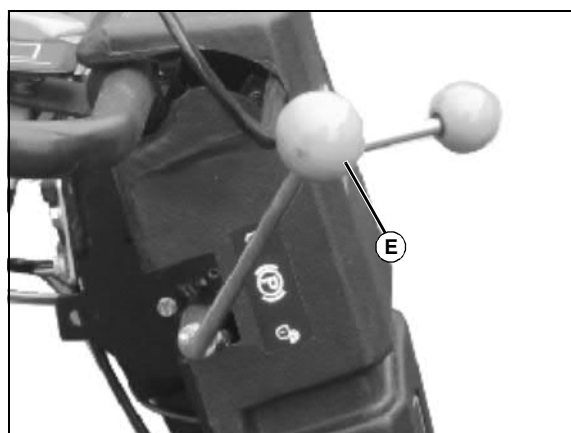
Stopping The Engine

NOTE: When bail (A) is released during operation, the drive clutch and lever (B) will automatically disengage and the aeration head will stop rotating and fully rise.



MX17111

1. Raise aeration head.
 - With Manual/Automatic switch in manual position
Push and hold the aerator engagement switch (C) toward the operator to raise aeration head and disengage drive belt. Tines should raise completely and stop coring action.
 - With Manual/Automatic switch in automatic position
Push and release the aerator engagement switch (C) toward the operator to raise aeration head and disengage drive belt. Tines should raise completely and stop coring action.
2. Release bail (A) to stop machine forward motion.
3. Set the throttle lever (D) midway between slow and fast positions and allow the engine to run for a minimum of 15 seconds.
4. Pull throttle lever all the way up (toward operator).
5. Turn key to off position.

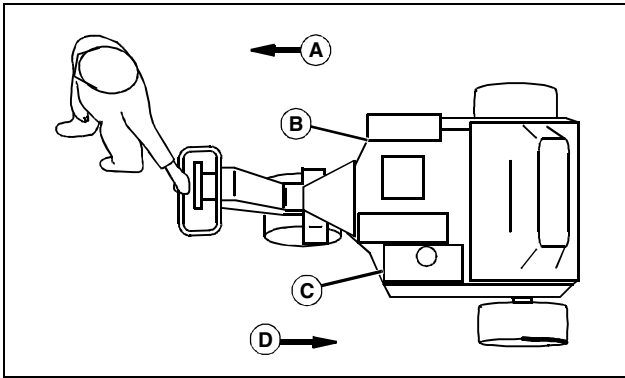


MX17114

6. Lock park brake (E).

OPERATING

Determining Travel Direction



MIF

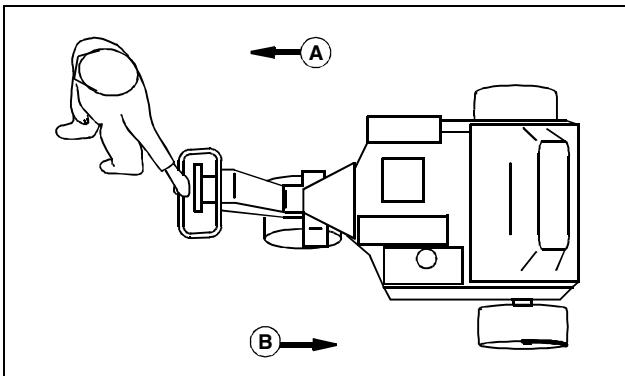
- A - Forward
- B - Right Side
- C - Left Side
- D - Transport

Right and left sides are determined by facing in the direction the machine will travel when going forward.

Selecting Travel Gears

IMPORTANT: Avoid damage! When a forward speed is selected, the machine moves in the direction of the operator station.

When in transport, the machine moves away from the operator station.



MIF

- A - Forward
- B - Transport



CAUTION: Avoid injury! Transport at low throttle. Raise aeration head completely before moving machine in transport gear. Tining action will occur if head is not raised completely.

- Position the gear selector on “5” to move the aerator in transport, away from the operator station. Transport is used to travel to worksites.



MX17116

- Position the gear selector on “1” through “4” to select a forward aerating speed. Refer to the decal (C) or see Selecting Travel Speed in this section to determine proper operating speed for the current operating conditions.

Selecting Travel Speed

IMPORTANT: Avoid damage! Unlock park brake before engaging clutch lever to begin forward motion. Alarm will sound if travel clutch is engaged while park brake is locked. Damage to brake will occur if machine is travels with brake locked.

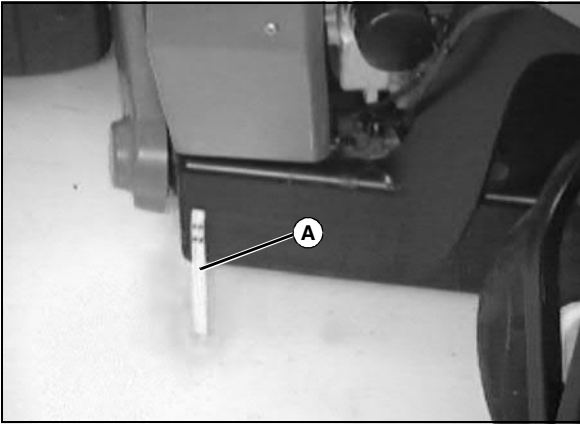
NOTE: There are four forward travel speeds and one reverse travel speed.

1st gear (Mini-tines)	35.6 mm x 35.6 mm (1.4 in. x 1.4 in.) pattern
2nd gear	50.8 mm x 50.8 mm (2.00 in. x 2.00 in.) pattern
3rd gear	66.5 mm x 50.8 mm (2.62 in. x 2.00 in.) pattern
4th gear	73.6 mm x 50.8 mm (2.90 in. x 2.00 in.) pattern
TRANSPORT	Transport to work site

OPERATING

Using Path Markers

NOTE: Path markers (A) are located on both sides of the lower frame at the front of the machine.



M88373

1. Use path markers (A) to help align path for operator on surface to be aerated.

Using Aeration Head Transport Stops

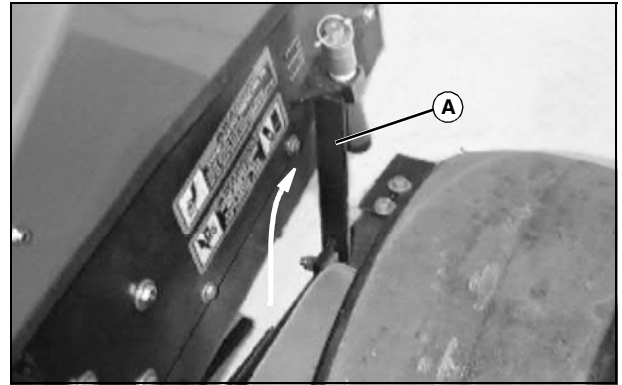
IMPORTANT: Avoid damage!

- The machine will not start when the aeration head is positioned on the transport stops. The aeration head must be raised completely before starting.
- Shut off engine before lowering coring head onto stops to stop tining action as head is lowered to stops.

NOTE: The transport stops should be in place whenever the machine is transported on a trailer. The transport stops should be used for servicing or when stored while not in use.

To Transport

1. Raise the aeration head completely.
2. Turn off engine.

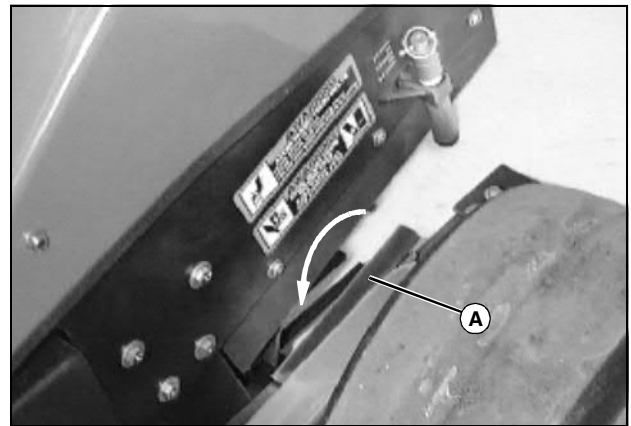


M88390

3. Rotate the stops (A) on both sides of the head to the rear until they align with the depth adjustment brackets.
4. Turn key to on position (do not start engine).
5. Engage operator presence bail and drive clutch.
6. Lower the aeration head manually until the depth adjustment bracket contacts the stop.
7. Turn key to off position.
8. Release bail.

To Operate The Aeration Head

1. Turn key to on position.



M88389

2. Raise the aeration head and rotate the stops (A) on both sides of the head forward to rest on the frame.
3. The machine is now ready to begin coring.



Suggest:

If the above button click is invalid.

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first, and then click the above link

to download the complete manual.

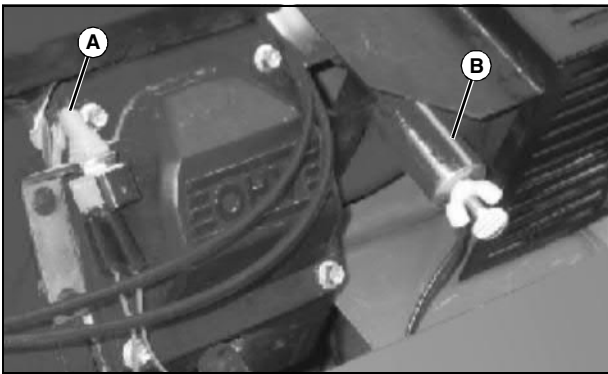
Thank you so much for reading

OPERATING

Using Throttle Solenoid Switch

IMPORTANT: Avoid damage! The throttle solenoid reduces engine RPM for approximately three seconds as the aerating head is raised or lowered to the ground to provide optimum hole quality. Engine RPM returns to normal rate when completely up or down.

NOTE: For normal aerating conditions, the throttle solenoid should be in the on (up) position. The solenoid may be shut off if desired for certain operating conditions where heavier soils exist such as tee boxes and fairways.



MX17111

1. Use the switch (A) to engage or disengage the solenoid (B). When solenoid is disengaged, engine RPM will not change as aeration head is raised or lowered.

Operating The Aerator

IMPORTANT: Avoid damage! Aeration head must be fully raised before starting engine or machine travel.

1. Make sure the park brake is locked.
2. Put the MANUAL/AUTOMATIC switch into the AUTOMATIC position.
3. Select throttle solenoid operation depending on turf application.
4. Turn key to on position.
5. Raise the aeration head completely to rotate the transport stops at both sides of the machine forward to rest on the frame.
6. Start engine.

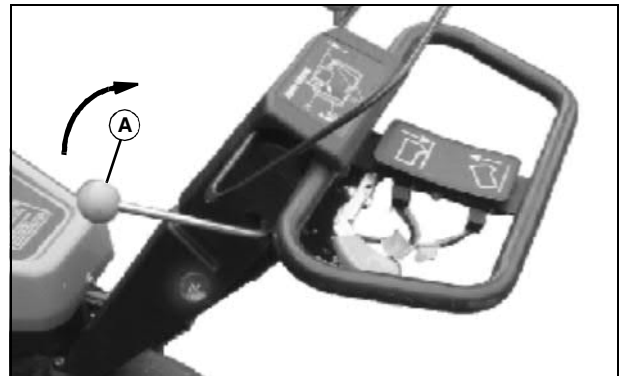


CAUTION: Avoid injury! Help prevent injury to operator and bystanders:

- Avoid sharp, tight turns in transport gear. Machine movement may speed up as it turns.
- Begin machine travel with throttle at low RPM to prevent sudden, quick movement. Adjust RPM after machine begins travel.
- Use caution when maneuvering machine in restricted areas.

7. Set throttle at low position to start machine travel.
8. Select desired travel gear by rotating shift lever until aligned with appropriate gear number.
9. Unlock the park brake by rotating the lever towards engine.
10. Pull the operator presence bail down and hold firmly against the handle bar.

IMPORTANT: Avoid damage! Unlock park brake before engaging clutch lever to begin forward motion. Alarm will sound if travel clutch is engaged while park brake is locked. Damage to brake will occur if machine travels with brake locked.



MX17112

11. Engage the ground drive by rotating the travel clutch lever (A) towards the operator.

IMPORTANT: Avoid damage! Never lower the aeration head if the engine is running, without the unit being in motion and on a surface that can be aerated.

12. Put engine at full throttle.

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