

## HOUSE OF RENTAL

5115 Church St. - Skokie, IL 60077 - Tel. (847) 677-2010

# LAWNAIRE® IV

## GENERAL INFORMATION

To make sure you are fully aware of safety and service information, the following two symbols are used throughout this manual.



This "HAZARD" symbol is used to alert you to information about unsafe actions or situations, and will be followed by the word DANGER, WARNING, or CAUTION. Used with the word DANGER it will describe immediate hazards that may result in severe personal injury or death. With the word WARNING it will describe unsafe actions or situations that may cause severe injury, death and/or major equipment or property damage. With the word CAUTION it will describe unsafe actions or situations that may cause injury, and/or minor equipment or property damage.

### NOTICE

This NOTICE symbol is used to alert you to information that describes procedures or tips that will help you operate and maintain your equipment properly.

## IMPORTANT!

THIS MANUAL WILL AID YOU IN THE SAFE OPERATION AND PROPER MAINTENANCE OF YOUR EQUIPMENT. ANYONE WHO WILL BE OPERATING THE EQUIPMENT SHOULD READ THE MANUAL THOROUGHLY BEFORE ATTEMPTING OPERATION.

IF ANY PORTION OF THIS MANUAL IS NOT CLEARLY UNDERSTOOD, CONTACT AN AUTHORIZED DEALER FOR CLARIFICATION.



## WARNING

The information and instructions included in this manual alert you to certain things you should do very carefully. If you don't, you could:

- hurt yourself or others
- hurt the next person who operates the equipment
- damage the equipment.

This manual contains essential operation and safety information and must remain with the unit at all times, within easy access of any operator.

Additional operator's manuals are available through your dealer.

## IMPORTANT!

THIS EQUIPMENT SHOULD NOT BE MODIFIED OR ADDED TO WITHOUT THE MANUFACTURER'S AUTHORIZATION.

Contact your dealer for correspondence with the factory.



## WARNING

Altering this equipment in any manner which adversely affects the operation, performance, durability or use may cause hazardous conditions.

## PRODUCT REFERENCE

Information in this manual may refer to a specific product, brand name, number or tool. Unless specifically stated otherwise, an equivalent product may be used.

## ILLUSTRATIONS & SPECIFICATIONS

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of printing. Textron Golf, Turf and Specialty Products reserves the right is to make changes at any time without notice.

## PRODUCT REGISTRATION

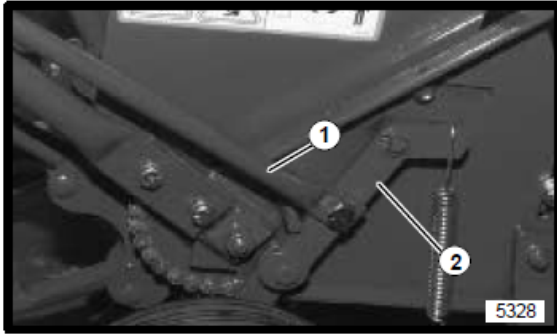
Textron Golf, Turf and Specialty Products makes every effort to keep owners informed of all safety related information. Therefore, changes in address and/or ownership should be reported to the manufacturer.

Your dealer has REGISTRATION CHANGE forms which will be filled out and filed by the dealer for his records, and a copy will be sent to the manufacturer.

For the location of the dealer nearest you, call 1-800-228-4444 (for dealer information only) or you may write directly to:

Textron Golf, Turf and Specialty Products  
Warranty Dept.  
P.O. Box 82409  
Lincoln, Nebraska 68501-2409

# LAWNNAIRE® IV



**Figure 9. Height Adjustment Tube Attachment**  
1. Height Adjustment Tube  
2. Height Adjustment Link

13. Cut banding securing aerator to pallet. Pull up on height control handle to raise aerator to the transport position. Carefully remove aerator from pallet.

## CONTROLS

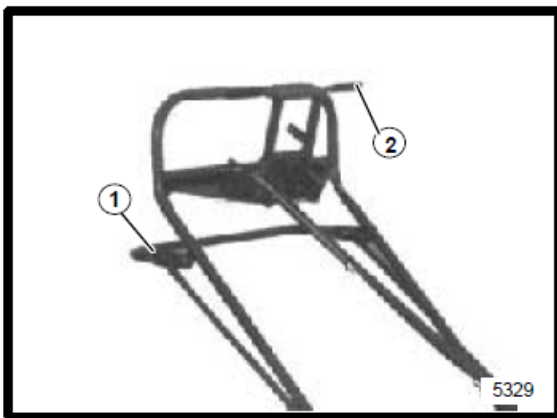
**Height Control Handle:** Controls transport wheels. Pushing down on handle will lower tines. Pulling handle up will raise tines. See Figure 10.

**Clutch Control Handle:** Engages belt tightener clutch and controls engine throttle. Pulling back on handle engages clutch while increasing engine speed. Handle is spring loaded, by releasing handle, the clutch is disengaged, and engine speed is reduced. See Figure 10.



### WARNING

- Releasing the clutch on an incline will cause freewheeling which will allow unit to roll back down the incline.

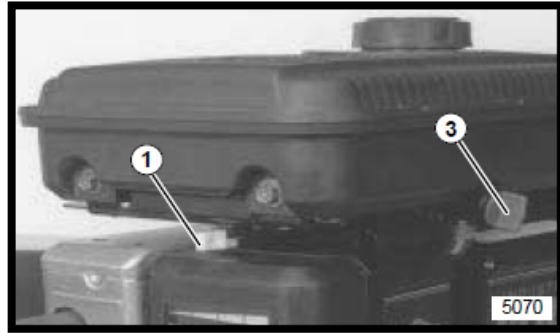


**Figure 10. Handle Controls**  
1. Height Control Handle  
2. Clutch Control Handle

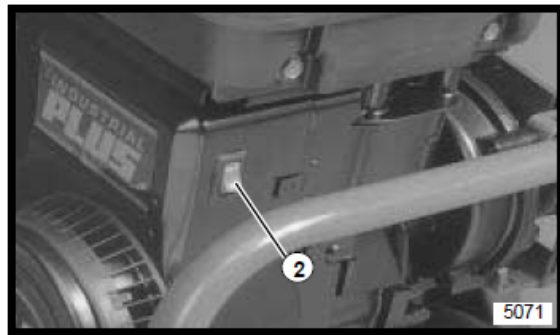
### NOTICE

- The Lawnaire IV is available with either a 3.5 HP Briggs & Stratton engine or a 4 HP Honda engine.

**Briggs & Stratton Engine Controls:** The engine is equipped with an On/Off control, a choke control and fuel shut-off valve. On/Off control must be in the "ON" position for the engine to be started. Turning the On/Off control to the "OFF" position will stop the engine. Using the choke control will help start a cold engine. After engine starts, adjust choke for best running results. Once engine warms, the choke should not be needed. Refer to Figure 11.



**Figure 11. Briggs & Stratton Engine Controls**  
1. Choke Control  
2. On/Off Control  
3. Fuel Shut-off valve



**Honda Engine Controls:** The engine is equipped with a Choke, Fuel Valve and On/Off switch. Fuel Valve, and On/Off switch must both be in "ON" position to start engine. Turn On/Off switch to "OFF" to stop engine. Using the choke will help start a cold engine. After engine starts, adjust choke for best running results. Once engine warms, the choke should not be needed. Refer to Figure 12.

## LAWNAIRE® IV



Figure 12. Honda Engine Controls

1. Choke
2. Fuel Valve
3. On/Off Switch

**NOTICE**

- The Honda engine is equipped with a low oil sensor to prevent engine damage. When it senses a low oil condition (ie. operating on an exceptionally steep slope) the engine shuts down. Condition must be corrected before engine can be restarted (see engine operator's manual for more information).

### OPERATION

#### Pre-Operation Check

Visually check all moving parts and all fasteners, if loose or broken, tighten or replace. Check for broken or bent tines, replace if necessary.

Lubricate all fittings after every four hours of aerating, using a pressurized gun with a standard lithium base lubricant. Wipe off fittings before and after lubricating.

Check engine crankcase and gear reduction case oil levels with engine resting in a level position. Add oil if necessary.

Follow the recommendations of the engine manufacturer for the correct type and amount of oil. Fill the fuel tank according to engine manufacturer specifications.



#### WARNING

- Gasoline is extremely flammable and highly explosive under certain conditions. Always stop the engine and do not smoke or allow open flames or sparks when refueling. **BE SURE** to reinstall fuel cap after refueling.

- NEVER start or run the engine inside where exhaust fumes can collect. Carbon monoxide present in the exhaust is an odorless and deadly gas.
- DO NOT operate equipment without shields in place. DO NOT make adjustments or perform any maintenance while the engine is running.
- Before operating, check the area and remove any object which may present a safety hazard or damage the equipment.
- This unit is not designed to be used on steep slopes. To prevent injury and/or damage to equipment use extreme caution when operating near terraces or hilly terrain. Travel up and down slopes at a 45° angle rather than across, to prevent unit from tipping over. DO NOT release clutch handle on a slope, this will cause free wheeling, allowing unit to roll back down the slope.

**NOTICE**

- Never cross hard objects or surfaces (sidewalks, driveways, stepping stones, etc.) with tines in down position.
- Always drain water tank for winter storage. Freezing water may rupture the tank.

#### Aerating

For best performance and maximum tine penetration lawn should be thoroughly watered the day before aeration.

Rotate water tank on front of unit until filler plug is positioned at the top. Remove plug, fill tank with water and replace the plug. Plug is located on left side of unit. See Figure 13.

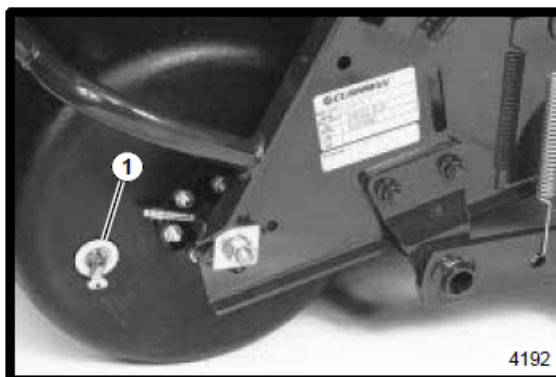


Figure 13. Tank Filler Location

1. Tank Filler Plug

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Move On/Off lever to "ON" position, pull recoil starter and choke as required to start engine.

Make sure the transport wheels are in the down position (tines not touching ground), slowly pull back on clutch handle and transport aerator to work area.

Upon reaching the work area, release clutch control handle, push down on height control handle lowering aerating tines to the turf.

Pull back slowly on the clutch handle to start aerating.

For maximum tine penetration into turf, apply downward pressure on handle.

At the end of aerating run, release clutch handle and lift up on height control handle. Apply just enough pressure on clutch handle to aid in turning aerator around and repeat aerating pass.

When finished aerating, lift up on height control handle to move wheels into transport position.

Drain water tank when finished with aerating.

## SERVICE



### WARNING

- **When replacement parts are required, use genuine RYAN parts or parts with equivalent characteristics including type, strength, and material. Failure to do so may result in product malfunction and possible injury to the operator and/or bystanders.**
- **Any warning decal that becomes illegible should be replaced immediately.**
- **Do not operate equipment without shields in place. Do not make any adjustments or perform any maintenance while the engine is running.**

Thoroughly clean all tines inside and out when aerating is completed and apply a light coat of oil to prevent rust on tines.

Check engine and gear reduction case oil level with engine resting in a level position.

Inspect air filter element and replace if necessary.

Wipe off lubrication fittings before and after each lubrication. Always lubricate aerator each time it is put into service.

Keep drive belt free of oil and dirt.

Check roller chains for tightness and wear. Apply a light coat of no. 30 oil or penetrating chain lubricant to keep the chain clean and in proper running order.

Idler sprockets are adjustable. Loosen nut and screw holding idler sprocket to frame then slide sprocket in slot to desired position. Tighten hardware.

### NOTICE

- Excessive roller chain tightness will shorten the life of the bearings. Chain should have movement of 1/8" to 1/4" (3mm to 6mm) up and down at center point between both sprockets.

## STORAGE INSTRUCTIONS



### WARNING

- **To prevent possible explosion or ignition of vaporized fuel, do not store equipment with fuel in tank or carburetor in enclosure with open flame. (Example: Furnace or water heater pilot light).**

Before the equipment is put into storage for any period exceeding 30 days, the following steps should be taken:

1. Drain all fuel from fuel tanks and fuel lines.
2. Start engine and run until all fuel is used from carburetor float bowl.
3. While engine is still warm, drain the crankcase oil and replace with the proper weight oil corresponding to the season the equipment will next be used.
4. Remove the spark plug and squirt a small quantity of engine oil into the cylinder. Turn the engine over a few times to distribute that oil.
5. Drain water tank.
6. Lubricate all lubrication fittings.

To put equipment into operation after an extended storage:

1. Check for loose parts and tighten if necessary.
2. Check for cracked or broken tines and replace.
3. Fill fuel tank.
4. Check engine and gear reduction case oil levels (with engine in a level position).
5. Start engine.
6. Check for fuel leaks.
7. Check clutch lever operation to make sure unit stops when lever is released.