

greensIRON
3000

ASSEMBLY and SET UP

INSTRUCTION BOOKLET

Wood Bay Turf Technologies

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PURPOSE OF THE BOOKLET

The purpose of this **greensIRON 3000** Assembly and Set Up Instruction Booklet is to enable purchasers of our turf rollers and accessories to assemble the machines and set them up properly for operation.

2005 **greensIRON 3000** ASSEMBLY INSTRUCTIONS

1. Remove all packaging and crating materials except the bottom pallet.
2. Remove and unpack fenders (2), wheel hub and axle assemblies (2), tow bar for trailer (1), and seat for the **greensIRON 3000** turf roller.
3. If the optional Turf Broom and/or Turf Ventilator kits were part of your order (see packing slip and notations on crate), remove, and assemble them separately. The Turf Ventilator attachment is assembled, and the Turf Broom attachment is partially assembled, at the plant before shipping. The hardware package and instructions are enclosed in each attachment box. The right and left support brackets stay permanently on the side of the greensIRON.
4. Under transmission cover is the hardware (bolt package) and operations manuals (**greensIRON 3000**, Honda engine and Snow-Nabstedt Power Transmission [SNPT]) and/or Peerless 2100 Series Tecumseh Hydrostatic Transmission) with their warranty registration forms. If your turf roller has a mechanical transmission, container of non-detergent oil has been enclosed for the first transmission fill.
5. Lift the tailgate locking pins and lower the tailgate down to the floor surface. Cardboard or packing material placed under the tailgate will prevent scratching or damage to its painted surface.
6. Lift the roller-locking pin at the front of the trailer, releasing the **greensIRON 3000**, and insert it in the holder slot. Slowly roll the machine out of the trailer box and down the ramp to clear it. If your greensIRON has a Peerless 2100 hydrostatic transmission, simultaneously push the roller and pull the re-coil cord on the Honda motor to remove it from the trailer. Remove the pallet from under the trailer.
7. Raise the tailgate and insert at least one locking pin. Tip the box to rest on the tailgate for the next part of the assembly. Install the trailer fenders with four (4) 3/8" x 1" bolts, nuts and washers prior to installing axels and wheels. **Ensure that the decals are located on the back, or rear, of the fenders.**
8. Install the axle tube assemblies (2) into the sides of the trailer box. **Ensure that hub is positioned above the axle tube to maintain a low trailer elevation.** Attach with four (4) of the 1/2" x 2 3/4" bolts, washers and nuts (nuts facing the rear). If it is difficult to get the bolts through the holes, try switching the axle tubes from one side to the other.
9. Mount wheels to the hubs with wheel lugs provided. The bearings have been serviced and packed, and are ready for operation. Check the tires to pressure. Since the trailer has no springs, twelve (12) pounds per square inch will be suitable for most conditions.



10. Install the trailer hitch tow bar, using two (2) of the 1/2" x 2 3/4" bolts, washers and nuts. **Ensure that the tow bar will curve upwards at the towing machine.** Tip the trailer back down and it is ready for use. **Note:** the hitch should be firmly connected to a towing machine before you attempt to reload the **greensIRON 3000** turf roller. When connected to the towing unit, the bar and trailer box should be parallel with the ground.
11. **Loosen the 2 acorn nuts on the handlebar clamp, turn the handlebar up so the handgrips are in a vertical position.** Tighten the acorn nuts to ensure the handlebar remains in place. **Note:** The handlebars may be adjusted to meet operator preferences but do not wear the knarling on the handlebar clamp.
12. Install the seat with its slide frame onto the turf roller seat brackets, and secure with the four (4) 5/16" nuts and washers provided. The seat will then tilt forward to allow the transmission cover to be opened.

THE greensIRON 3000 IS SHIPPED WITHOUT ENGINE OR GEARBOX LUBRICANTS, OR FUEL.

13. Refers to the enclosed Honda engine owner's manual; fill the engine and the 1: 6 gear reduction box (SNPT transmissions only) to the **correct levels** with the recommended lubricants. Use a high detergent, premium quality oil for both the engine and the reduction gear box. If your unit has a hydrostatic transmission, the engine will **not** have a reduction gear box. The Honda manual recommends SAE 10W 30 for general, all temperature use.
14. Fill the fuel tank with unleaded fuel. **Do not overfill.**
15. For mechanical transmissions refer to the SNPT owner's manual for proper maintenance procedures. Fill to the correct level with the **non-detergent**, SAE 30, oil supplied. SNPT recommends that a good grade of non-detergent motor oil be used (SAE 30 for above 32° F, and SAE 10 below 32° F).
16. The Peerless 2100 Series transmission is sealed and requires no fluids or adjustments.
17. Lubricate the drive chain as may be required.
18. Check the steering roller (1) and drive roller (2) bearings to grease as may be required.

Now that your greensIRON 3000 is assembled, refer to the "Set Up Procedures" before moving onto the green.

2005 greensIRON 3000 SET UP PROCEDURES

1. The throttle has been present at the factory for turf rollers with the mechanical transmission, but may require adjustment. Set the cable adjusting screw located on the right hand lever for maximum cable adjustment. Adjust the cable tension at the carburetor so that maximum throttle position is attained when the hand lever is fully compressed. When the hand lever is released, the throttle should return to the idle position. Always adjust the final cable tension with the adjustment screw located at the right hand lever.
Note: greensIRONS with hydrostatic transmissions do not have throttle cables; set Honda motor throttle lever for preferred RPM's.
2. The drive chain tension has been present at the factory. After opening the **greensIRON 3000** it may require further minor adjustment. To make an adjustment, loosen the 1/2 inch nut on the idler sprocket, slide the sprocket in the direction required to ensure 1/4 inch deflection at the center of the chain. It will feel quite tight. Ensure that the chain is well lubricated regularly.
3. All steering end roller bearings come pre-packed with grease. If found to be necessary after some period of operation, only apply grease sparingly.
4. For mechanical transmissions, the clutch bands and Slip Eliminator have been present, but **may require** some minor adjustment before operation of the turf roller:
 - (a) Refer to your SNPT owner's manual and the **greensIRON 3000** Operation, Servicing and Parts manual supplied .
 - (b) Start the engine and allow it to warm up on idle.
 - (c) When adjusting the transmission clutch bands, adjust the clutch band external screw bolt on the opposite side of the transmission from the direction of travel
 - (d) Follow the clutch adjustment instructions in the SNPT Parts manual (owner's manual). Avoid over tightening of the bands since this can cause unnecessary wear and damage inside the transmission.
 - (e) Further fine tuning of this adjustment may be required once you are on a turf (green) surface. Travel in both the left direction (forward for the transmission) and the right direction (reverse for the transmission) should be smooth, and not require excessive foot pedal pressure to enable the **greensIRON 3000** turf roller to move in one direction versus the other.
 - (f) The slip eliminator with the sprocket on the output shaft of the SNPT transmission has been present at the factory, and should not require any adjustment. However, if you wish to have less slippage on the clutch before it engages, you will need to loosen the allen screw and then tighten down the large, splint nut by one eighth of a turn or more to increase the pressure on the springs. On the other hand, to allow for more clutch slippage and a less aggressive start to the movement in either direction with the **greensIRON 3000**, you need to loosen that nut by one eighth of a turn or more. Ensure to tighten allen screw on completion.

Recheck all nuts, screws and set screws to ensure that none have loosened during transport.

Your greensIRON 3000 is now ready to operate.

Comment

We trust that these instructions have enabled you to assemble and set up your greensIRON 3000 turf roller with a minimum of difficulties. If you have suggestions, questions, problems or wish to comment please let us know by telephone at 1-800-661-4942, e-mail at woodbay@greensiron.com or fax at 780-468-0059. We will appreciate your assistance and thank you for choosing our products.

**For further information contact your local distributor
or Wood Bay Turf Technologies Inc., 1-800-661-4942.**

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