Assembly & Set-Up

Thank You
Thank you for purchasing this product. It was carefully engineered to provide excellent performance when properly operated and maintained.

Please read this entire manual prior to operating the equipment. It instructs you how to safely and easily set up, operate and maintain your machine. Please be sure that you, and any other persons who will operate the machine, carefully follow the recommended safety practices at all times. Failure to do so could result in personal injury or property damage.

All information in this manual is relative to the most recent product information available at the time of printing. Review this manual frequently to familiarize yourself with the machine, its features and operation. Please be aware that this Operator's Manual may cover a range of product specifications for various models. Characteristics and features discussed and/or illustrated in this manual may not be applicable to all models. We reserve the right to change product specifications, designs and equipment without notice and without incurring obligation.

If applicable, the power testing information used to establish the power rating of the engine equipped on this machine can be found at www.opei.org or the engine manufacturer’s web site.

If you have any problems or questions concerning the machine, phone your local authorized service dealer or contact us directly. We want to ensure your complete satisfaction at all times.

Throughout this manual, all references to right and left side of the machine are observed from the operating position.

The engine manufacturer is responsible for all engine-related issues with regards to performance, power-rating, specifications, warranty and service. Please refer to the engine manufacturer’s Owner’s/Operator’s Manual, packed separately with your machine, for more information.

Contents of Carton

- Lawn Mower (1)
- Grass Catcher (1)
- Side Discharge Chute (1)
- Electric Start Push Key (1)
- Briggs & Stratton Battery Pack (1)
- Oil (1)
- Engine Operator’s Manual (1)
- Parts/Warranty Document (1)
- Product Registration Card (1)†
- Fast Start Guide (1)
- If Equipped

NOTE: This Operator’s Manual covers several models. Features may vary by model. Not all features in this manual are applicable to all models and the model depicted may differ from yours. Handle assembly is the same on all units, however, refer to Figure 3-1 in the Controls & Operation section to determine the handle controls your model has and pages 10-11 for instruction on how to use them.

NOTE: This unit is shipped without gasoline or oil in the engine. Fill up with gasoline and oil as instructed in the Engine Operator’s Manual BEFORE operating your mower.

Handle Assembly

1. Remove any packing material which may be between upper and lower handles

2. Remove the T-bolts (a) from the handle brackets as shown in Figure 2-1.

3. Remove wing knobs (b) and carriage bolts (c) from handle as shown in Figure 2-1. Do not loosen or remove adjacent hex head screws.

4. Gently lift and pivot the upper handle into the operating position as shown in Figure 2-2. Make certain the lower handle is seated securely into the handle brackets.

5. Reattach wing knobs (b) and carriage bolts (c) removed in Step 3 into lower holes of handle as shown in Figure 2-2.

6. Using the T-bolts (a) removed in Step 2, secure the handle to the handle brackets as shown in Figure 2-3.

Figure 2-1

Figure 2-2

Figure 2-3
7. The rope guide is attached to the right side of the upper handle. Loosen the wing knob (a) which secures the rope guide. See Figure 2-4.

**Grass Catcher (If Equipped)**

1. Follow steps below to assemble the grass catcher (if needed). Make certain bag is turned right side out before assembling (warning label will be on the outside). See Figure 2-6.
   a. Place bag over frame so that its black plastic side is at the bottom.
   b. Slip plastic channel of grass bag over hooks on the frame.
   c. Place bag over frame and slide into rope guide (b).

**Figure 2-4**

a. Hold blade control against upper handle.

b. Slowly pull starter rope handle from engine and slip starter rope into the rope guide.

c. Tighten rope guide wing knob (a).

d. Use cable ties to secure cables to lower handle.

**NOTE:** On select units, use the two cable clips provided to secure blade control and drive cables to lower handle as shown in Figure 2-5.

**Figure 2-5**

**IMPORTANT:** To reduce wear and allow for proper operation, make sure to leave some slack in the upper portion of the cables.

**Side Discharge Chute (If Equipped)**

Your mower may be shipped as a mulcher. To convert to side discharge, make sure grass catcher (if equipped) is off the unit and mower rear discharge door (if equipped) is closed.

1. On the side of the mower, lift the mulch plug. See Figure 2-8.
2. Slide two hooks of side discharge chute under hinge pin on mulch plug assembly. Lower the mulch plug.

**Figure 2-6**

2. Follow steps below to attach grass catcher. See Figure 2-7.
   a. Lift mower rear discharge door (a).
   b. Remove the rear mulch plug (b).
   c. Place grass catcher into the slots (c) in the handle brackets. Let go of discharge door so that it rests on the grass catcher.

**Figure 2-7**

To remove grass catcher, lift mower rear discharge door. Lift grass catcher up and off the slots in the handle brackets. Reinstall the rear mulch plug. Release mower rear discharge door to allow it to close rear opening of mower.

**Figure 2-8**

**NOTE:** Do not remove side mulch plug at any time.

3. When not using, you may secure side discharge chute to handle as shown in Figure 2-9.

**Figure 2-9**

**Adjustments**

**Cutting Height**

There are three cutting height adjustment configurations. Refer to the section applicable to your mower.

**Single Lever**

The single lever cutting height adjustment is located above the rear left wheel.

1. Depress cutting height adjustment lever towards wheel.
2. Slide lever to desired position for a change in cutting height. Refer to Figure 2-10 for low wheel and Figure 2-11 for high wheel.
3. Release lever towards deck.

**IMPORTANT:** Both the front and rear wheels must be placed in the same relative position. For rough or uneven lawns, move the height adjustment levers to a higher position. This will stop scalping of grass.

**Rear Wheel/ Caster Wheels**

The rear wheel cutting height adjustment lever is located above the rear left wheel. See Figure 2-13A insert.

![Figure 2-10 Image](image1)

**Figure 2-10**

2. Position the handle in one of the three positions that is most comfortable. See Figure 2-14 inset.

3. Secure into position with wing nuts (a) and carriage bolts (b) removed in Step 1.

**Drive Control (If Equipped)**

If equipped, there is an adjustment wheel located in the drive control handle housing that is used to tighten or loosen the drive belt. You will need to adjust the drive control if the mower does not propel itself with the drive control engaged or if the mower's wheels hesitate with the drive control engaged. If either of these conditions occur, rotate adjustment wheel clockwise to tighten cable or counter-clockwise to loosen the cable. See Figure 2-15 for Dual Lever Drive Control.

![Figure 2-11 Image](image2)

**Figure 2-11**

4. Release lever towards deck and place lever on one of the six height adjustment teeth.

**Dual Lever**

The dual lever cutting height adjustment levers are located above the front and rear left wheel.

1. Pull the height adjustment lever towards wheel (unit will tend to fall when lever is moved outward). See Figure 2-12.

![Figure 2-12 Image](image3)

**Figure 2-12**

2. Slide lever to desired position for a change in cutting height.

**NOTE:** For mowers with low wheels, the height adjustment levers move in the opposite direction to adjust; for those with high wheels, the levers move in the same direction.

![Figure 2-13 Image](image4)

**Figure 2-13**

1. Pull lever out and away from mower.
2. Move lever forward or back for desired cutting height.
3. Release lever towards mower deck.

The caster wheels cutting height are determined by selecting one of six positions on each caster assembly. Refer to Figure 2-13.

1. Remove wing nut (a) from axle bolt (b). Slide axle bolt from the assembly and select a cutting height.
2. Reinsert axle bolt in the square hole desired through wheel assembly and secure with wing nut removed in Step 1.

**IMPORTANT:** All wheels must be placed in the same relative position. For rough or uneven lawns, move the height adjustment lever to a higher position. This will stop scalping of grass.

The casters can be locked in a straight ahead position or positioned to swivel freely. See Figure 2-13A insert.

1. Lift lock pins.
2. Place in larger holes to lock wheels. Place pins in smaller holes to allow casters to rotate freely for turning.

**Handle Pitch (If Equipped)**

If equipped, the pitch of the handle can be adjusted as follows:

1. Remove wing nuts (a) and carriage bolts (b) from handle. See Figure 2-14.

![Figure 2-14 Image](image5)

**Figure 2-14**

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**Set-Up**

**Gas and Oil Fill-Up**

Refer to the Engine Operator's Manual for additional engine information.

1. Add provided oil before starting unit for the first time.

**WARNING:** Use extreme care when handling gasoline. Gasoline is extremely flammable and the vapors are explosive. Never fuel the machine indoors or while the engine is hot or running. Extinguish cigarettes, cigars, pipes and other sources of ignition.