

Horse Model Tiller

Wheel Weight Kit OEM-290-266



WARNING

Before installing this accessory, stop the engine, wait for all moving parts to stop, and allow the engine to cool. Disconnect the spark plug wire and move it away from the spark plug. Remove the ignition key on electric start models.

Introduction

Wheel weights increase traction and reduce slippage by concentrating extra weight directly on the wheels. As an added benefit, they also help stabilize the tiller in rough terrain or hard tilling conditions.

Carefully read the step-by-step instructions before starting any work. Gather the tools and materials necessary to complete the installation. If you have any questions concerning use or installation, please contact your local dealer or the factory.

Parts List

Please check the contents of the service kit with the parts list below and as shown in Figure 3. If any parts are missing or damaged, contact your local service dealer or the factory.

Ref.	Part No.	Description	Qty.
1	GW-2382	Wheel weight shell	2
2	1186411	Bolt, Hex Hd., 3/8" 16 x 6"	4
3	GW-9904	Flat washer, 3/8"	4
4	736-0169	Lockwasher, 3/8"	4
5	1186531	Hex nut, 3/8" -16	4

Tools and Materials Required:

Fill material for weight shells; (See Step 2)

Flat-blade screwdriver

Scissors*

Masking tape*

Center punch*

Hammer*

Electric power drill with 1/4" and 7/16" or (1/4" and 3/8") high-speed drill bits.*

Two 9/16" wrenches

*NOTE: For 11 HP "Big Red" model the wheels are pre-drilled. These items are not needed.

Instructions

Fill the Wheel Weights

To greatly reduce shipping costs and provide application flexibility, the wheel weight shells are sent empty. Before installation, they should be filled as described below.

1. Use a screwdriver to gently pry off the fill cap located in the center of each wheel weight shell, see Figure 1. Do not remove the post in the center of the cap as it is used for anchoring the cap to concrete or similar hard-drying fill material.
2. Because of widely varying soil, moisture and terrain conditions, a specific load for the wheel weights cannot be recommended. Generally, the more weight that is used the better the traction.

A suggested filling material is a pre-packaged concrete mix which is available at most building supply outlets or hardware stores. A 40-pound bag should just about fill two wheel weight shells (stones or gravel can be added to complete the fill). After the concrete hardens, the weight per shell will be approximately 21 to 23 pounds. NOTE: In order to firmly anchor the fill cap to the concrete within, the cap must be replaced before the filling material begins to harden.

The wheel weight shells can also be filled with various loose-fill materials including: sand, gravel, marble chips, crushed stone, iron scrap, old nuts and bolts, etc. A shell filled with sand, for instance, will weigh approximately 14 to 16 pounds. Any sort of iron added to the sand will add a few extra pounds. Although loose-fill material will not provide as much load per volume as concrete, the advantage is that it can be removed easily if it needs to be changed.

3. The wheel weights should both weigh approximately the same. If they differ by more than a few pounds, the tiller may tend to pull to one side.
4. Replace the fill caps by pressing down firmly until the cap "snaps" into place.

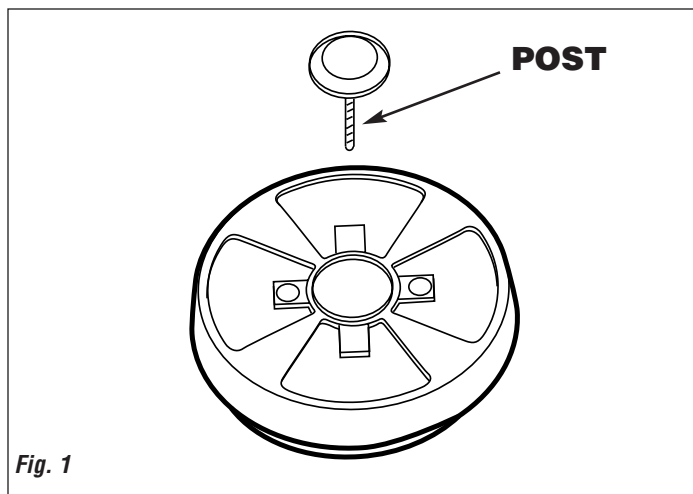


Fig. 1

Drill Mounting Holes

To mount the wheel weights, two 7/16 inch holes need to be drilled in each wheel. This drilling can be done without removing the wheels from the tiller.

1. Carefully cut the template (see attached sheet) along the inside and outside dotted lines.



CAUTION

Read instructions provided with the power drill before using. Follow all safety instructions.

2. Place the template in the center of the wheel well, making sure that the arrow on the template is aligned with the air valve stem, as shown in Figure 2. Secure the template to the wheel with several strips of masking tape.
3. Using a center punch and hammer, punch two drill guide marks exactly through the center of each (+) sign on the template. Remove the template and punch these marks again for easier drilling. The guide marks are 5 inches apart, which is the correct center-to-center distance for mounting the wheel weights.



CAUTION

Do not drill outside the flat area in the center of the wheel well. Doing so will puncture the air-tight seal between the tire and the wheel rim and cause the tire to go flat.

4. Drill a 1/4 inch "pilot hole" through the wall of the wheel. Repeat with the 7/16 inch drill bit, or use a 3/8 inch drill bit and ream the edges of the hole to 7/16 inch. At all times, keep the drill centered to ensure that the correct distance between the mounting holes is maintained.
5. Repeat steps 2 through 4 for the second wheel.

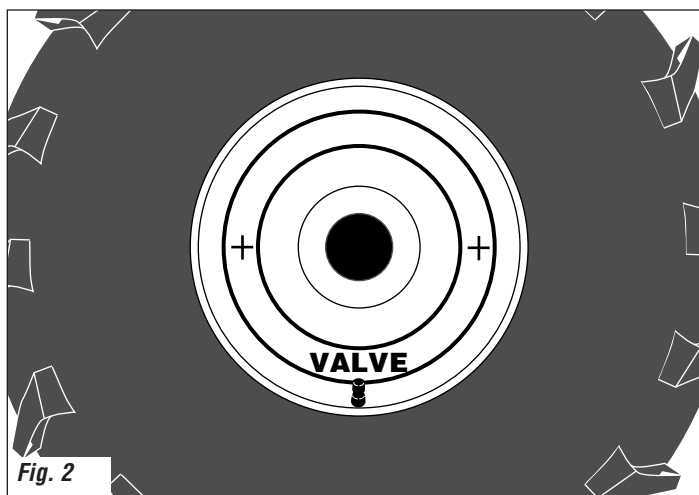


Fig. 2

Mount the Wheel Weights

1. Place a wheel weight inside the wheel well, making sure that the notch in the back of the wheel weight (look for the words "Valve Stem") is aligned with the air valve stem.
2. Place a flat washer on the bolt and insert the bolt through the wheel weight and the wheel. Add a lockwasher and nut as shown in Figure 3.
3. Use two 9/16 inch wrenches to tighten each bolt and nut. Do not over tighten, as damage to the wheel weight shell could occur. Compressing the lockwasher is sufficient.

Wheel Weight Notes:

- If you use the tiller for cultivating, allow an extra 3 inches of width on either side of the tires when you plant your rows.
- When making turns on lawns, use caution to avoid the heavy wheels digging up the turf. Follow turning instructions in your Owner's manual and try lightly "hopping" the inside wheel while turning.
- If you have a 1978 or newer 6 HP Model, you may notice a decrease in engine RPM when tilling deeply with wheel weights. This is normal and is caused by the improved traction of the tiller, allowing the tines to dig deeper. To take full advantage of this feature, move the drive belt to its low speed range.

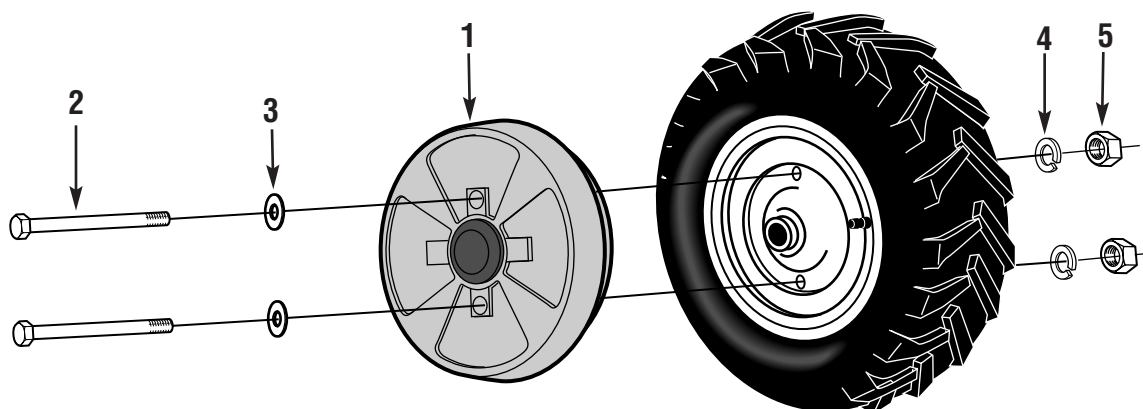


Fig. 3

For customer assistance, contact your nearest authorized dealer or:

TROY-BILT LLC, P.O. BOX 361131, CLEVELAND, OHIO 44136-0019, 1-866-840-6483