



## Sweep Cultivator

OEM-290-260 / 290-260-081

### THANK YOU!

*Thank you for ordering the Troy-Bilt® Sweep Cultivator for the PTO Horse Model Tiller. To ensure the safe and proper assembly of this product, please read and follow all instructions carefully. If you have any questions or problems concerning the Sweep Cultivator, contact our Service Department using the information provided on Page 4.*

The solution to your cultivating problems is the elimination of small, emerging weeds (up to 6-8" tall) from your garden. You can remove these small weeds easily by cultivating the top 1" or so of soil, using the Troy-Bilt Sweep Cultivator. Cultivating to a depth of no more than 1" lessens the chance of damage to the roots of adjacent plants. Avoid digging deeper than 1" to prevent bringing new weed seeds to the surface and to prevent the drying out of the soil through exposure to the air. The Troy-Bilt Sweep Cultivator is also ideal for cultivating dry, dusty soil or clay while keeping soil disturbance to a minimum. The Sweep Cultivator blade skims beneath the soil without turning the soil over.

Because the blade of the Sweep Cultivator is mounted directly behind the wheels of your tiller, you can precisely guide the Sweep Cultivator down a garden row by aiming the whole tiller toward the far end of the row, instead of steering by looking down at the blade. Because the Sweep blade is slightly narrower than the distance between the outer edges of the wheels, you will not damage plants in adjoining rows.

Follow instructions on the following pages for assembling and using the Sweep Cultivator properly. You will find the Sweep Cultivator to be one of the most useful gardening tools.



*Photo 1: Cultivating right up to your plants is easy with your Sweep Cultivator because the blade is slightly narrower than the outer edges of the wheels.*



*Photo 2: Shallow cultivating is important to avoid damaging the roots of adjacent plants. As the Sweep rides along just under the surface, the ground ripples in its wake.*

## CHECK YOUR PARTS

Be sure to check the contents of your kit to make sure that it contains all of the following parts.

PARTS LIST (Refer to Photo 3)			
Ref.	Part No.	Description	Qty.
1	GW-2276	Sweep with Flanged Stem .....	1
2	GW-2285	C-shaped Mounting Bracket .....	1
3	GW-2286	Channel Mounting Bracket .....	1
4	1751467	Hex Hd. Bolt, 7/16"-14 x 1-3/4" .....	1
5	1100244	Lockwasher, 7/16" .....	4
6	GW-9936	Flat Washer, 7/16" .....	2
7	1186232	Hex Nut, 7/16"-14 .....	2
8	GW-9577	Plow Bolt, 7/16" -14 x 2" .....	2
9	GW-9363	Pin, 5/8" dia. x 5-5/8" .....	2

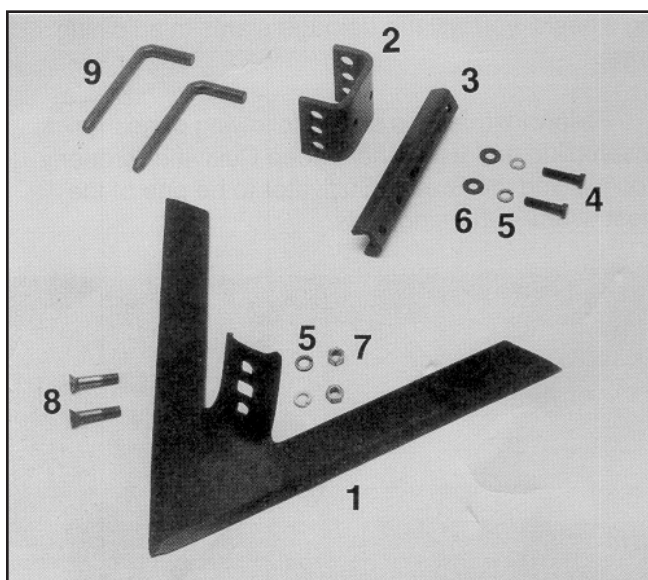


Photo 3

## TOOLS NEEDED

One 5/8" Open-end Wrench  
One 11/16" Socket Wrench or Adjustable Wrench

### DO YOU HAVE A TROY-BILT TOW HITCH?

To use the Sweep Cultivator, the Sweep Cultivator must be connected to the Tow Hitch attachment on the Power Unit. See Photo 2 on Page 1. The two hitch-pins keep the Sweep on a straight-ahead course. ***If you do not have a Troy-Bilt Tow Hitch and the literature "How to Install the Tow Hitch," order these items by contacting the Parts Department at the phone number given on Page 4.***

## ASSEMBLY PROCEDURE

### Step 1: Assemble Mounting Brackets.

**A.** Align the slot in the channel mounting bracket with the two holes on the back of the C-shaped bracket. See Photo 4. First, place a 7/8" lockwasher on each of the 1-3/4" bolts, and add a 7/16" flat washer. Place one of the bolts approximately 1" from the top of the slot, pass it through the slot, and thread it into the C-shaped bracket. The head of the bolt should be on the outer side of the channel mounting bracket. Install the second bolt the same way in the remaining hole in the C-bracket.

**B.** Using a 5/8" open-end wrench, alternately tighten the two bolts securely. Neither of these bolts requires a nut.

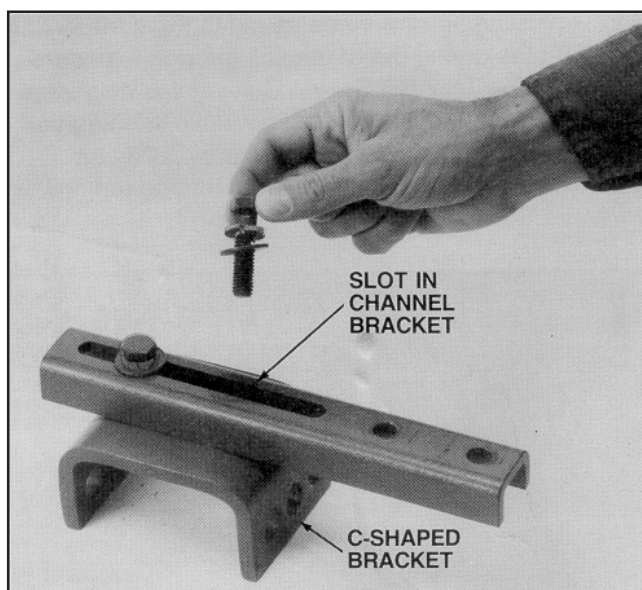


Photo 4

### Step 2: Mount Sweep To Bracket Assembly.

**A.** Place the bracket assembly (the channel bracket and C-shaped bracket which you have just assembled) into the concave channel of the Sweep flange. Align the holes in the channel mounting bracket with the holes in the flange. See Photo 5. Place a 2" plow bolt through each hole in the Sweep flange with the heads toward the front of the V-shaped Sweep.



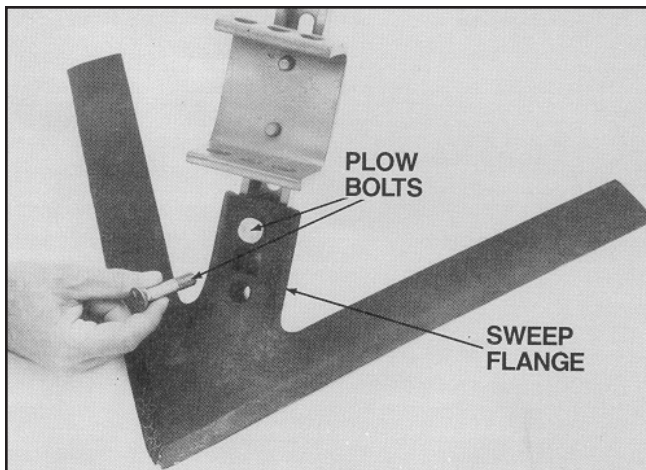


Photo 5

**B.** Slip a 7/16" lockwasher and then a 7/16" hex nut onto each of the plow bolts. Using an 11/16" socket wrench or an adjustable wrench, tighten bolts alternately until both are secure. See Photo 6.

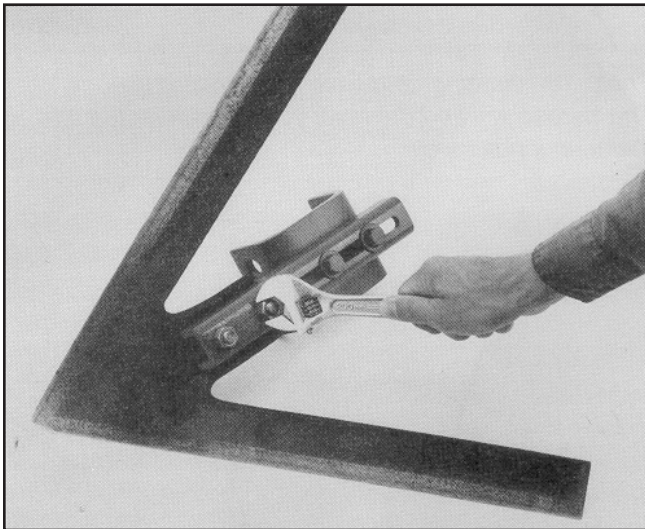


Photo 6

**C.** Check carefully to make sure that all hardware is secure. When fully assembled, your Sweep Cultivator should look like the one in Photo 7.

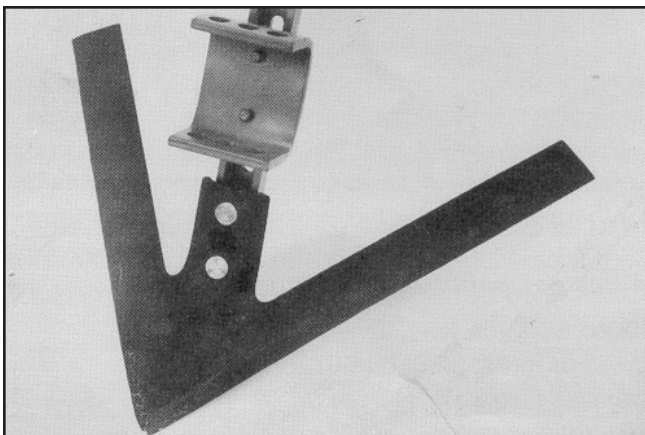


Photo 7

## ATTACH SWEEP CULTIVATOR TO TOW HITCH

As previously mentioned, the Sweep Cultivator connects to the Tow Hitch Attachment on the Power Unit. Attach the Sweep Cultivator to the Tow Hitch as follows:

**Step 1:** Fit the C-shaped mounting bracket over the top and bottom of the Tow Hitch and align the holes in the hitch with those in the mounting bracket. See Photo 8.

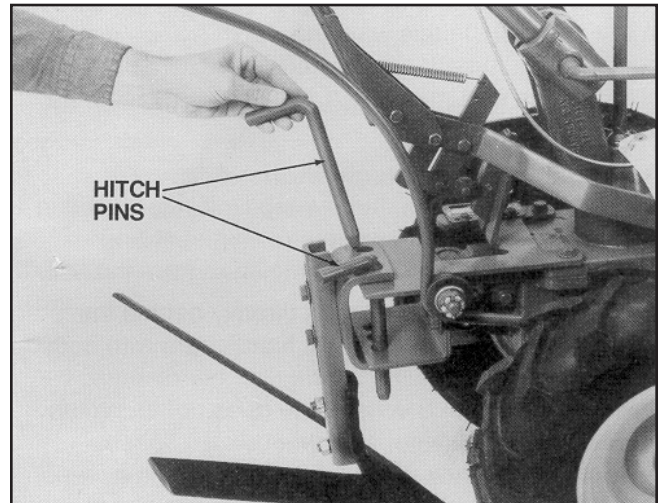


Photo 8

**Step 2:** Insert the two hitch pins through the outer holes in the bracket and Tow Hitch. Placing both pins in the outside holes keeps the Sweep straight. See Photo 9.

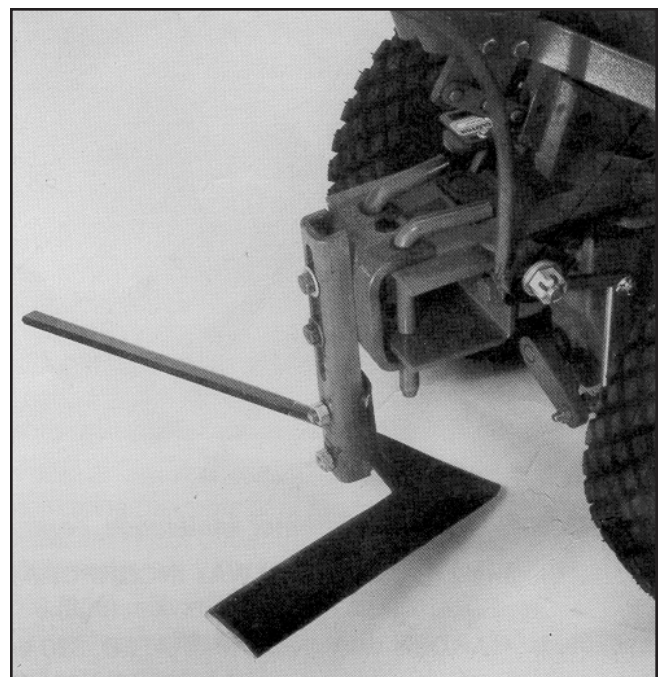


Photo 9

**Step 3:** The Sweep Cultivator is now attached to the Tow Hitch which, in turn, is connected to the Power Unit. Your Sweep Cultivator is now ready for use.

## USE OF THE SWEEP CULTIVATOR

The Troy-Bilt Sweep Cultivator slices cleanly through the soil and is adjustable to various digging depths. You control the depth by raising or lowering the handlebars as you move the tiller forward, or by loosening the bolts and raising or lowering the Sweep in the channel. In this way, the depth can be set to the individual needs of your garden and your soil although, as was mentioned, the usual adjustment is about 1" below ground level.

In parts of your garden which are not Hiller/Furrower areas, the Sweep Cultivator, used in fast gear, can cultivate without raising dust and without causing a loss of vital moisture from the soil.

For optimum control, walk directly behind the Sweep Cultivator and hold the handlebars with both hands. To cross a lawn, tip the tiller handlebars upward so that the Sweep blade does not touch the ground. Your cultivator cuts weeds off 1" or so beneath the surface of the soil. The top of the weed falls off and dies in the sunlight so that the remaining root does not usually produce new growth. Weeds smaller than 2-3", and those which have barely emerged from the soil, are shocked by the movement of the soil and the breakage of the root hairs. Even though they are not cut directly, this impact often stops further growth.



*Photo 10: Guiding your Sweep Cultivator is easy. The Sweep will find the level you have selected and maintain it quite well.*

*For customer assistance, visit [www.troybilt.com](http://www.troybilt.com), contact your nearest authorized dealer or:*

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