



Bolo Tine Kit
OEM-290-252 / 290-252-081
for BRONCO™, SUPER BRONCO™, and TUFFY® Tillers

Installation Instructions

THANK YOU!

Thanks for buying new bolo tines. These tines were designed for your model tiller and will handle all of your tilling needs including sod busting, seedbed preparation, cultivating, and turning under crop residue.

These instructions apply only to owners of the following tillers:

- ☐ BRONCO™ Model
- ☐ SUPER BRONCO™ Model
- ☐ TUFFY® Model

Carefully look at the figures on the opposite side of this page while following the instructions.



Tools Needed

- ☐ Wrenches (two 9/16 inch)
- ☐ Screwdriver (medium-sized)
- ☐ Soft Rubber Mallet
- ☐ Penetrating Oil

CHECK YOUR PARTS

Be sure to check the contents of your kit to make sure that everything is present. Refer to Figure 1 to distinguish a right-hand tine from a left-hand tine.

The Bolo Tine Kit includes the following parts:

Part No.	Description	Qty.
GW-50049-01	Bolo Tine, Right-hand.....	8
GW-50049-02	Bolo Tine, Left-hand.....	8
1901447	Hardware Kit	
710-0514	Hex Screw, 3/8-16 x 1.0.....	16
712-0798	Hex Nut, 3/8.....	16
736-0169	Lock Washer, 3/8.....	16



WARNING

To prevent serious personal injury when removing or installing your bolo tines:

- Stop the engine, and remove the electric start key (if your tiller features electric start).
- Let the engine and muffler area cool.
- Disconnect the spark plug wire, and position the wire away from the plug to prevent accidental starting.



CAUTION

Tine edges can be sharp and can have slivers that could cause personal injury. Use care at all times when handling tines. The tine hood edges may also be sharp. To prevent personal injury, wear thick gloves when touching the edges of the hood.

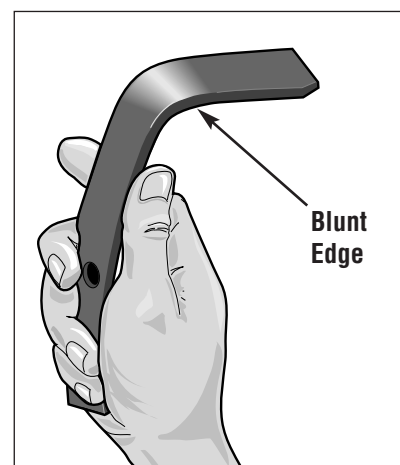
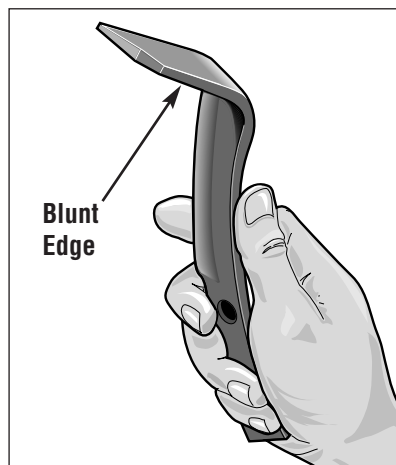


Figure 1: Left-hand tine & Right-hand tine

Bolt Removal Tips

- ☐ **Loosen** all four nuts on a holder plate or tine gang before trying to **remove** any of the nuts and bolts.
- ☐ If necessary, use penetrating oil to loosen stubborn nuts.
- ☐ If necessary, place the closed (boxed) end of a wrench on the **nut** and sharply tap the wrench with the rubber mallet until the nut is loose.

A. Tine Inspection:

With use, the tines installed at the factory will become shorter, narrower and pointed. Badly worn tines will result in a loss of tilling depth, and reduced effectiveness when chopping up and turning under organic matter.

B. Tine Removal and Installation:

1. With the engine shut off and the spark plug wire disconnected, carefully tilt the tiller forward until the engine is resting on the ground. (On some models it may be necessary to prop up the rear of the tiller or to add additional weight to the engine to stabilize the tiller in this position.)

2. Raise the tiller hood flap and secure it out of the way with a heavy rubber band or string.

NOTE: Removing the tine holders from the tine shaft may ease the installation of your new bolo tines, but is not necessary. To do so, remove the screw and nut which secure the tine holder to the tine shaft, refer to Figure 2.

NOTE: Replace the inner tines (both left-hand & right-hand) before proceeding to the outer tines.

3. Use two 9/16-inch wrenches to remove the two screws (A, Figure 2), lockwashers (B) and nuts (C) that attach a single tine to a tine holder. If needed, use penetrating oil on the nuts.

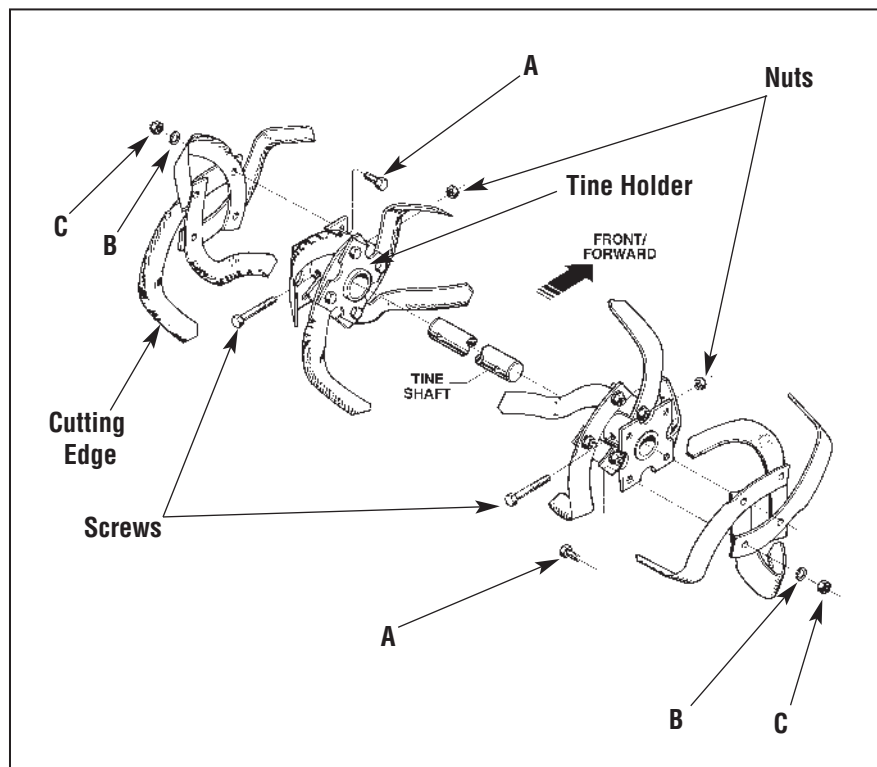


Figure 2: Install tines so that cutting edge of tines enter soil first when tiller moves forward.

4. Always discard old hardware and tines. Use only the hardware which came with your new tines.

5. When installing a replacement tine, be sure to position it so that its *cutting edge (sharp)* will enter the soil first as the tiller moves forward.

6. Loosely fasten the new tine with the screws, lockwashers and lock nuts included in this kit. Refer to Figure 2.

7. In a clockwise fashion, replace the remaining three tines in the gang-of-four. Use two 9/16-inch wrenches to securely tighten all four tines in place.

8. Proceed to the next four tines and repeat the previous steps until all sixteen bolo tines are replaced.

For customer assistance, visit www.troybilt.com, contact your nearest authorized dealer or:

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