

HIGH ARCH WHEEL HOE



TOOLS REQUIRED

- 3/16" Allen Wrench**
- 7/16" Wrench**
- 1/2" Wrench**
- (2) 9/16" Wrenches**
- Phillips Head Screwdriver**

PARTS LIST

- High Arch "U" Bar**
- (2) 15" Steel Wheels**
- Wooden Handles**
- Tapered Dowel Rod**
- Left & Right Handle Bracket**
- Left & Right Toolbar**
- 4 Cultivator Teeth**



Note: Because the High Arch Wheel Hoe is designed specifically to straddle taller plants like potatoes, corn, and onions, there is no axle between the 2 steel wheels. This helps provide the clearance needed to not damage crops while using the wheel hoe.



**ALL HARDWARE IS FOUND
IN THE CULTIVATOR
TEETH PACKAGING**

HARDWARE PACKAGE

- **(4) 1/4" Nuts**
- **(4) 3/8" x 2" Carriage Head Bolts**
- **(4) 1/4" Flat Washers**
- **(4) 1/4" Lock Washers**
- **(4) 3/8" Flanged Nuts**
- **(2) 1" Wood Screws**
- **(2) Nylon Lock Nuts**
- **(4) Steel Dust Caps**
- **(4) 1/4" x 1 3/4" Carriage Head Bolts**
- **(2) 3/8" x 2 3/4" Shoulder Bolts**



HIGH ARCH WHEEL HOE ASSEMBLY

MOUNTING WHEELS TO WHEEL ARMS

PARTS REQUIRED

- (2) 15" Steel Wheels
- 3/8" Axle Shaft

HARDWARE REQUIRED

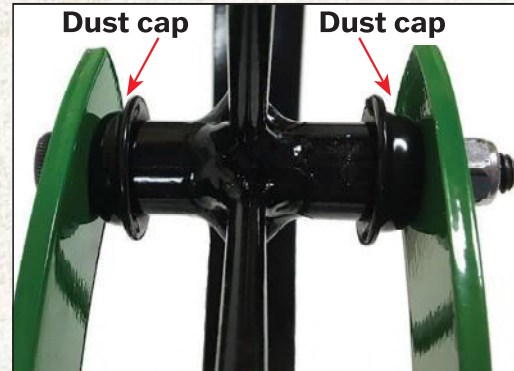
- (4) Steel Dust Caps
- (2) Nylon Lock Nuts
- (2) 3/8" x 2 3/4" Shoulder Bolts

TOOLS REQUIRED

- 1/2" Wrench
- 3/16" Allen Wrench

INSTALLATION INSTRUCTIONS

- Place dust caps onto each side of the wheel hub.
- Slide wheel into place between wheel arms.
- Place 3/8" x 2 3/4" shoulder bolt through wheel arms and hub.
- Install nylon lock nut.
- Tighten lock nut with 1/2" wrench and 3/16" Allen wrench until the nut bottoms out on the shoulder bolt. Loosen nut slightly so that wheel turns freely.



ATTACHING "U" BAR TO LEFT & RIGHT TOOLBAR

PARTS REQUIRED

- High Arch "U" Bar
- Left & Right Toolbar

HARDWARE REQUIRED

- (4) 3/8" Carriage Head Bolts
- (4) 3/8" Flanged Nuts

TOOLS REQUIRED

- 9/16" Wrench

INSTALLATION INSTRUCTIONS

- To distinguish between left and right toolbars, the curvature should be on the outside of each wheel.
- On each toolbar closest to the wheel, choose which of the 4 holes to attach the "U" bar based on how wide you want your spacing to be.
- Use the 3/8" x 1" carriage head bolts with 3/8" flange nuts to attach the "U" bar to the toolbars. Tighten with the 9/16" wrench.



ATTACHING HANDLE BRACKETS

PARTS REQUIRED

- Left & Right Handle Brackets

HARDWARE REQUIRED

- (2) Nylon Lock Nuts
- (2) 3/8" x 1" Hex Head Bolts

TOOLS REQUIRED

- (2) 9/16" Wrenches

INSTALLATION INSTRUCTIONS

- Using the 3/8" x 1" Hex Head Bolts, and the Nylon Lock Nuts, install the left and right handle brackets as show in the photo to the right.
- Tighten using (2) 9/16" Wrenches.



FOR MORE INFORMATION ON THE
HOSS HIGH ARCH WHEEL HOE, VISIT
hosstools.com/product/high-arch-wheel-hoe

HANDLE CARE & INSTALLATION

To maintain your wheel hoe for years to come, we highly recommend the HOSS Wheel Hoe Success Kit on the www.hosstools.com website. The kit has everything you need to maintain your Wheel Hoe, change attachments and keep your blades sharpened. The kit includes Boiled Linseed Oil for conditioning and protecting your Wheel Hoe handles, a 9/16" wrench for changing Wheel Hoe attachments, a Farmers File for sharpening attachments, and a medium grit Sanding Block for polishing and smoothing any rough spots that may develop.



INSTALLING YOUR HANDLES

- Handles can be installed either before or after wheel hoe assembly. Prior to installation, using a soft cloth, apply a generous coating of boiled linseed oil (not included) to the handles to protect and seal the wood and allow to fully dry.
- Position handles to the outside of each handle mount.
- Place four 1/4" x 1 3/4" carriage head bolts through holes in handle mount
- Fasten a 1/4" flat washer, then 1/4" lock washer and 1/4" nut.
- Adjust handle to desired height using the slotted groove at top of handle mount. Secure handle position by tightening nuts with a 7/16" wrench.
- Add a small amount of wood glue (not included) into the mortises on the inside of each handle at the location where the tapered dowel rod will fit. Place the tapered dowel rod between handles at the mortised location. A twisting motion will help seat the dowel rod into the holes. Both sides should bottom out against tapered dowel shoulder.
- Insert 1" wood screws into the pilot holes in the handles at the tapered dowel rod location and tighten with a Phillips head screwdriver.

Note: The right handle is the one with the hardware package attached.



ADJUSTING HANDLE HEIGHT

Our handles are easily adjustable via the top bolt that attaches the handles. Handle height is a matter of personal preference. Some people prefer the handles closer to their hips because they drive with their legs, while others prefer the handles closer to their chest because they push more with their arms. Do whatever feels comfortable for you.

To adjust the handles, slightly loosen the nut on the top carriage bolt and move the handles to the desired location. Tighten the nut to secure the handles in the desired position.

DISTANCE FROM THE GROUND TO THE TOP OF THE HANDLES

Lowest Position

- Single Wheel Hoe - 38 in.
- Double Wheel Hoe - 38 in.
- High Arch Wheel Hoe - 31 in.

Highest Position

- Single Wheel Hoe - 45 in.
- Double Wheel Hoe - 45 in.
- High Arch Wheel Hoe - 51 in.

