

WOVEL SET-UP PROCEDURES

SETTING THE WOVEL HEIGHT AND LENGTH

In order to make it comfortable to use no matter what your height or the snow conditions, the Wovel's Handle can be attached in a variety of ways, as shown in the instructions on the reverse side of this page. You should position the Handle so that your hands rest comfortably on the Handle at a height between your waist and chest. If you are under 5 feet 6 inches tall, you might want to assemble the Handle with its bend pointed downward and set in one of its lower positions.

SELECTING THE PROPER AXLE SETTING FOR THE JOB

The Wheel can be attached to the Axle Plates in any one of the four settings or slots. Attaching the Axle more forward (closer to the Wovel Blade) allows greater leverage to lift and move heavier loads with less effort—but reduces the maximum throwing range. Moving the Wheel further back on the Axle Plate, or towards the Handle, provides the greatest throwing capabilities and is best suited for lighter snow and heavier users.

There are no hard and fast rules for selecting the correct Wheel attachment, but in lighter snow you should tend to move the Wheel further backwards and in heavy snow, more forwards. You will need to experiment in varying snow conditions to find the most efficient balance between power and throwing distance.

USING THE WOVEL

If you know how to use a seesaw, then you can Wovel.

The Wovel can be used to push snow, plow snow, lift snow, and throw snow; however, Woveling is a bit different from shoveling. Instead of tipping the Wovel to the sides as you would with a traditional shovel, the Wovel is designed to throw snow very efficiently in a mostly forward motion. Instead of relying on the strength of your lower back, the Wovel is designed to use more of your body weight, legs, and shoulders. Plus, its large Wheel allows you to roll over curbs, snow banks, and through just about any amount of snow. The Wovel Blade is designed to flex, to improve throwing and to avoid injury should you run into curbs or other hidden objects. It is constructed of molded plastic to ensure snow and ice do not stick.

TO BEGIN USING YOUR WOVEL:

- * Stand behind the Wovel and grip the Handle with each hand at the widest, most comfortable points on the bar.
- * With the Wovel Blade on the pavement, push the Wovel forward. When using the Wovel, the faster you walk, the more efficient the Wovel action.
- * If you're not going to make piles of snow—for example, during a light snow or on your first pass—simply use the Wovel like a snow plow by walking quickly then stopping abruptly, causing the snow to release from the Wovel Blade.
- * To throw snow into piles most effectively, rapidly snap the Handle downward as you walk quickly in the same direction that you want to throw the snow. In heavy snow or to throw snow higher and farther, take a larger, lunging step as you push harder and more rapidly downward on the Handle. You should also experiment to find the most effective technique based on your body build and the various snow conditions. The Wovel is NOT designed for TIPPING the entire Wovel to the side to release the snow. Instead, the Wovel should always be kept upright, stepping and angling it a bit towards the side that you want to throw the snow. Unless you are throwing snow onto an already high snow pile, to throw snow you will only have to lift the Blade up a little as you come to an abrupt stop. The snow will release from the Blade when you stop.

WOVELING GRAVEL OR UNEVEN SURFACES:

The Wovel is designed for paved surfaces. By exerting a bit of pressure on the Handle, the Wovel can be kept off the surface while Woveling, although the optional Gravel Wheels accessory is designed to do this most efficiently while keeping the Wovel Blade about an inch off the surface being cleared.

WOVELING HEAVY SNOW AND HARD-PACKED SNOW:

In heavy snow you might want to use the longer Handle setting and lower the Handle slightly. If you are having trouble lifting and/or accelerating in the snow, moving the Wheel Axle Plates a notch or two forward, towards the Wovel Blade, should help. In very heavy or wet snow, as snow accumulates on the Wovel, keep some downward pressure on the Handle to reduce the ground resistance. Attaching the optional Gravel Wheels can also make it easier to move heavy loads.

To Wovel large areas of heavy snow with less lifting, it is more efficient to Wovel the perimeters first. Use the Wovel to push the snow until you reach the spot where you want to deposit the snow and only lift or throw the snow when necessary. If the Wovel Blade is filling up too quickly, after the first pass with the Wovel, go back to where you started and place the Wovel Blade halfway between the cleared path and the uncleared path. This will allow you to move more rapidly and more efficiently by making sure the Wovel Blade is in contact with the ground. Though the Wovel can handle snow depths of up to 18", it is recommended that you Wovel after every 8-10" of snowfall, especially if the snow is very wet.

On heavy, snowplow-packed snow, it may be necessary take a scoop off the top rather than try to lift a high, heavily packed snow pile. The large, thin Wovel Wheel is intended to roll right over large snow banks and to move snow in any direction.

WOVELING ON HILLY DRIVEWAYS:

It is more efficient to rely on gravity to move snow generally downhill and by Woveling diagonally across the driveway as you Wovel downhill. In most cases—especially for single lane driveways—it is faster to back up after each pass, throw the snow, and repeat the process by Woveling in the exact same direction and throwing the snow on the same side of the driveway every time.

STORING YOUR WOVEL:

The Wovel is designed to be attached and reattached for easy storage and quick assembly. It is recommended that you do not disassemble the Body for storing the Wovel. To reduce storage space, you can simply remove the Wovel Blade. If you want to detach the Wheel from the Body for storage, you need not fully detach the Wheel Knobs. Simply loosen them.

After some use, periodically check nuts, Wheel Knobs, and Handle Knobs to make sure all parts are secure tightened. Re-tighten if necessary to ensure superior performance.

Dont's!

- * **Don't tip the Wovel to the sides. It is designed to stay mostly upright during operation.**
- * **Don't press all of your body weight on the Handle to lift or move objects other than loose snow; doing so could damage the Frame or the Lower Body Assembly Plate.**
- * **Don't try to pick up and throw slush; rather, use the Wovel as a plow by filling the Wovel Blade and pushing it to where you want to deposit the snow, then stopping abruptly to release the slush.**
- * **The Wovel is not intended for breaking up ice or hard-packed snow. Use the optional Ice Chipper accessory or another heavy-gauge steel tool to break up ice and packed snow.**
- * **Generally, it is less efficient, and therefore not recommended, to Wovel uphill, except in very light snow conditions.**

PLEASE VISIT OUR WEB SITE AT WWW.WOVEL.COM FOR UPDATES AND MORE HELPFUL TIPS—INCLUDING OTHER USERS' SUGGESTIONS—ON HOW TO MORE EFFICIENTLY USE AND STORE YOUR WOVEL.

WARRANTY

Your new Wovel is warranted to the original purchaser (and no other owner or operator of the product) against defects in workmanship and materials for a period of one year from the original purchase date. Should there be a defect or malfunction of the product, Structured Solutions II will repair or replace the product, at the option of Structured Solutions II, free of charge. As a condition to the obligation of Structured Solutions II to repair or replace the product, the product must be returned to Structured Solutions II prepaid together with proof-of-purchase satisfactory to Structured Solutions II. All returns must be accompanied by a written statement setting forth the name, address, and daytime telephone number of the owner, together with a brief description of any claimed defects. Parts or product for which replacement is made shall become the property of Structured Solutions II. This warranty is void if the product has been subject to commercial or other unreasonable use; improper operation (including without limitation for the clearing of any substance other than snow), maintenance or storage; modifications through the use of unauthorized parts or attachments; or repair by anyone other than Structured Solutions II or its designee. This warranty does not apply to problems arising from normal wear; from failure to adhere to the enclosed instructions; or from other causes not arising from defects in original material or workmanship. This warranty also does not include adjustments, parts or repairs required by circumstances beyond the control of Structured Solutions II. Any expressed or implied warranties, including but not limited to merchantability and fitness for a particular purpose, are limited to the above-stated one-year warranty period. Structured Solutions II shall not be liable for any incidental, consequential or special cost, expenses or damages resulting from any failure, defect or malfunction of this product. Some states do not allow the exclusion of limitations of implied warranties or incidental, consequential or special damages. Therefore, the above limitations may not apply to you. Structured Solutions II reserves the right to modify or discontinue, without prior notice to you, any model or style product. This warranty grants you specific legal rights, and you may also have other rights that vary from state to state.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ALL SUCH OTHER WARRANTIES BEING HEREBY EXPRESSLY EXCLUDED.

TO REGISTER YOUR WOVEL WARRANTY please go to the Wovel web site at www.wovel.com and complete the online warranty registration form. This warranty may change periodically, so we recommend checking the web site for current information and updates.



Referral Rewards

Refer your friends and earn online credits each time a friend buys one or more Wovels.

Visit our web site
www.wovel.com
for more details

INSTRUCTIONS & OPERATING TIPS



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WOVEL ASSEMBLY INSTRUCTIONS

TOOL REQUIRED FOR ASSEMBLY: 7/16" (11mm) wrench, socket wrench, or pliers
(Tool not included.)

1 ATTACH THE WOVEL BLADE:

Attach the Wovel Blade using four 3/4" long carriage bolts and keps nuts. Insert the carriage bolts through the square holes on Wovel Blade and holes on the Lower Body Plate. Attach the keps nuts to carriage bolts at the underside of the Lower Body Plate. Hand-tighten nuts, then use a 7/16" (11mm) wrench, socket wrench or pliers to securely fasten the bolts.

2 ASSEMBLE THE BODY & AXLE PLATES:

Insert Square End Caps into the openings at the top of the Upper Body Tubes. Gently tap against hard surface to secure. Attach the two interchangeable Upper Body Tubes to the two Lower Body Assembly by positioning the Upper Body Tubes so that the three holes in each are at the top. One at a time, slide each Upper Body Tube over each of the tubes of the smaller-diameter Lower Body Assembly. Push the upper and lower units together until the bottom two holes in each Upper Body Tube line up with the two holes in each tube of the Lower Body Assembly. Mount each Axle Plate onto the **inside** of each Body Assembly Tube by fastening two 1-1/2" carriage bolts to the two holes in each of the Body Assembly Tubes from the **inside**. Fasten the nylon nuts from the outside of each Body Assembly to the carriage bolts. Hand tighten the nuts, then secure them using a 7/16" (11mm) wrench, socket wrench, or pliers.

3 ATTACH THE HANDLE TO THE BODY:

Insert one Round End Cap into each end of the Handle by hand. Gently tap against hard surface to secure. The Handle can be assembled to the Body in different configurations to change the height within a 6-1/2-inch range and the Body length by up to 4-1/2". The Handle can be attached to the Body with the Handle Plate's bend angled up or down and with the Handle mounted over or under the Upper Body Tubes. Assembling the Handle to the Body with the bend angled up and on top of the Upper Body Tubes will add height to the Handle. (NOTE: If you are under 5'6", you might want to attach the Handle to the Body with the bend in the Handle Plate angled down. If you are even shorter, you can attach the Handle under the Body with the Handle Plate angled down.) To attach the Handle Plate to the two Upper Body Tubes, insert two 1-1/4" carriage bolts through the square holes in the Handle Plate through the first two set of holes in the Upper Body Tubes or through the middle and third set of holes. (Using the first set will make the Wovel longer than using the second set.) Insert the nuts into the plastic handle knobs and attach the four nut-filled plastic knobs to the opposite side of the Handle Plate through which you inserted the bolts. Always attach with **plastic handle knobs against the Handle Plate** and the nuts on the outside. Tighten the nuts.

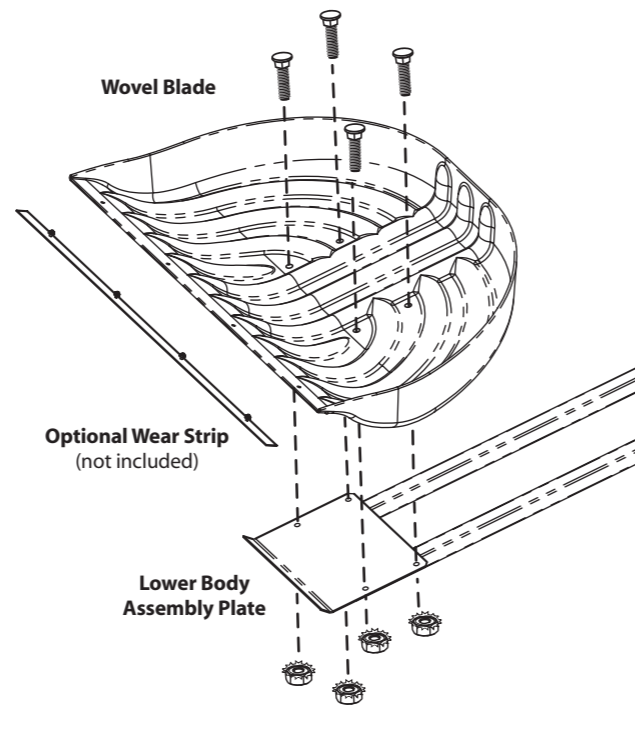
4 ASSEMBLE THE AXLE:

Slip the four white nylon spacers onto the threaded axle rod. Attach one wheel knob to one end of the threaded axle rod and insert the other end of the threaded axle rod into the hub of the Wheel. Attach the second wheel knob to the other end of the threaded axle rod. Do not tighten it yet.

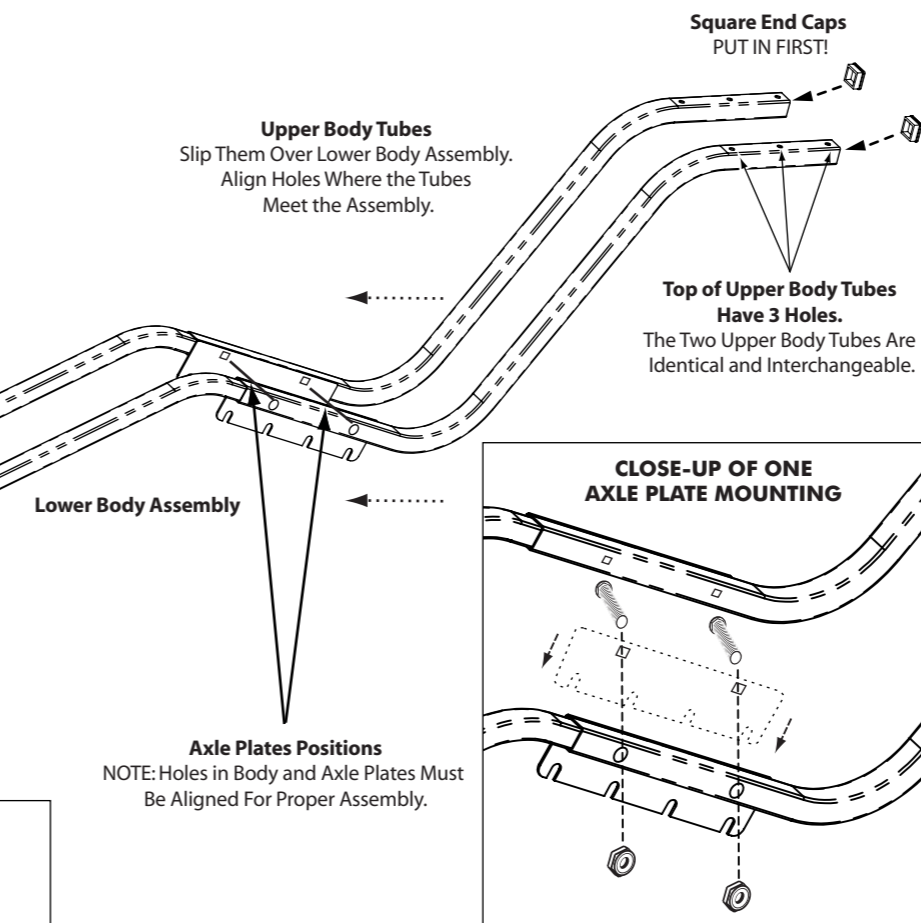
5 ATTACH THE WHEEL TO THE BODY:

Insert the Wheel into the slots on Axle Plates. Initially, try either of the two middle slots. Securely tighten the wheel knob. For more information on choosing the right settings for you, read the tips on the reverse side of this page or visit our web site at www.wovel.com.

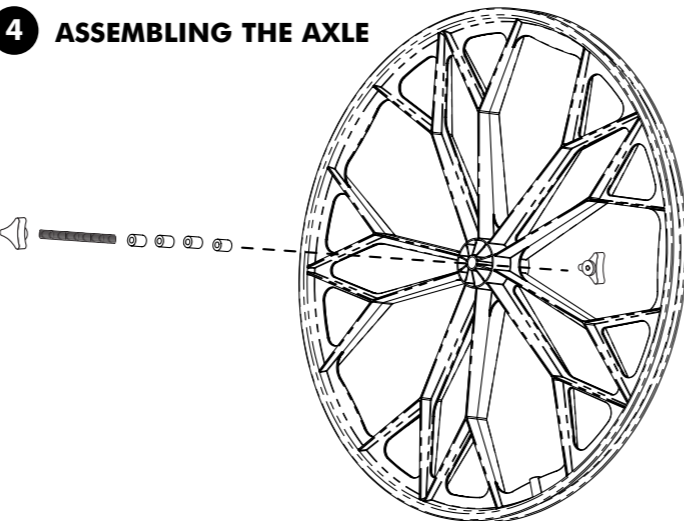
1 ATTACHING THE WOVEL BLADE



2 ASSEMBLING THE BODY & AXLE PLATES

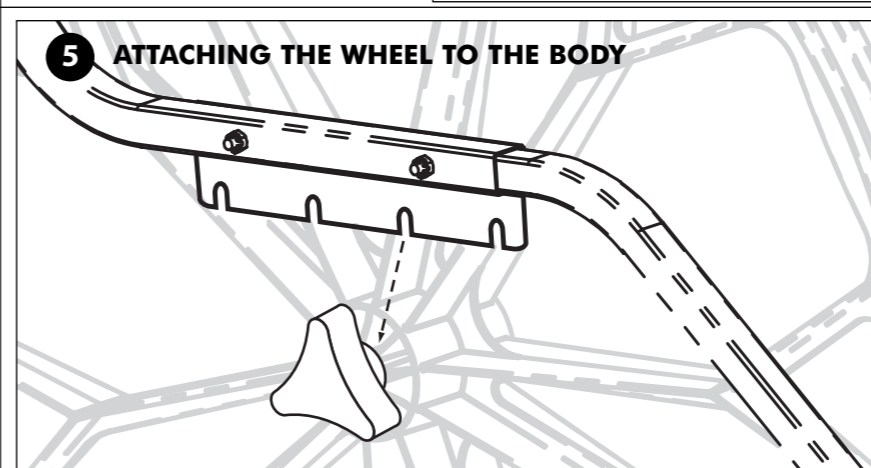


4 ASSEMBLING THE AXLE

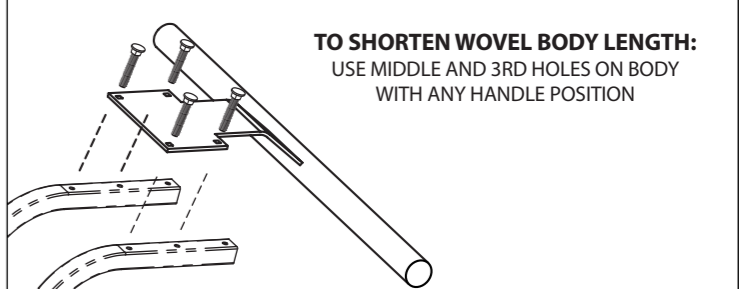
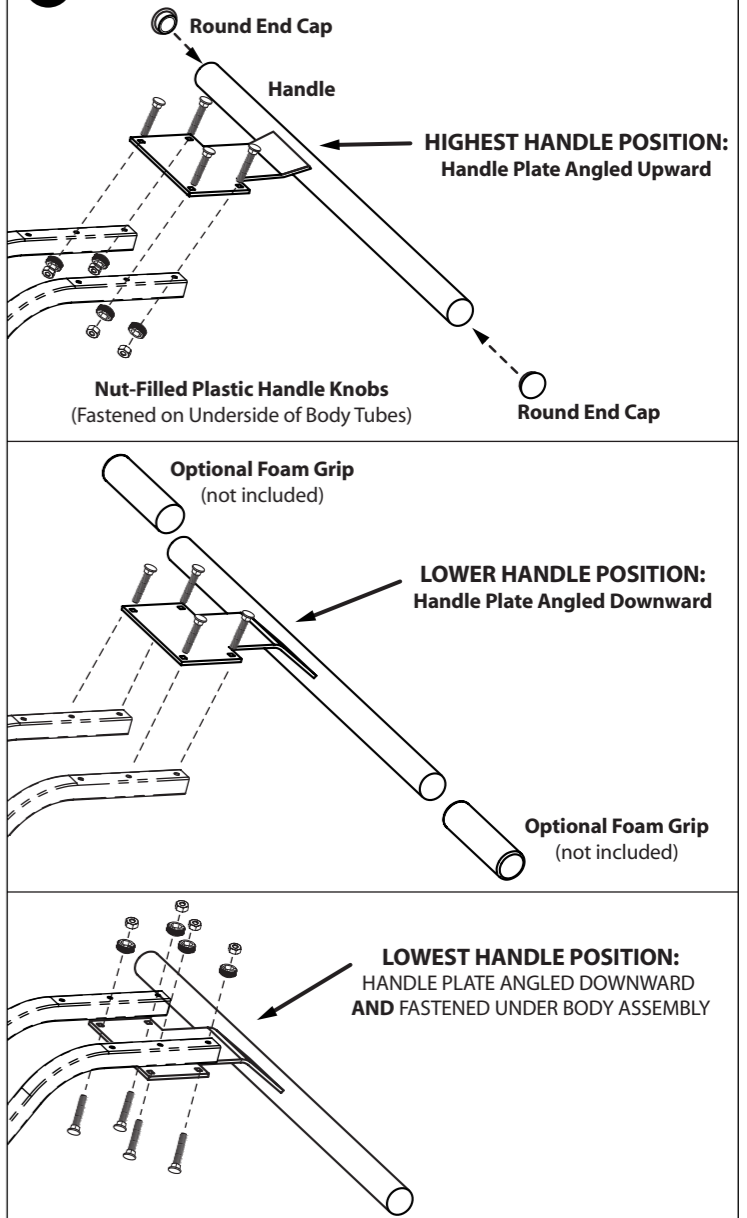


NOTE: Tire Never Needs Inflating and Will Never Go Flat.

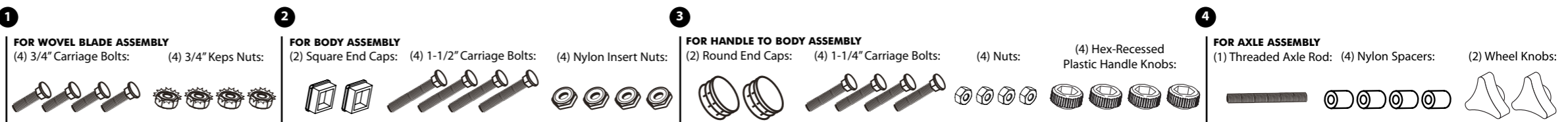
5 ATTACHING THE WHEEL TO THE BODY



3 ATTACHING THE HANDLE TO THE BODY



WOVEL HARDWARE



OPTIONAL ACCESSORIES PACK FOR YOUR WOVEL

FOAM HANDLE GRIPS:
For firm, insulated grip



CHIPPER PLATE:
Helps break up ice and hard-packed snow



GRAVEL WHEELS:
Lifts Blade off gravel, dirt, and stone surfaces



WEAR STRIP:
Extends Blade wear under heavy-duty usage



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