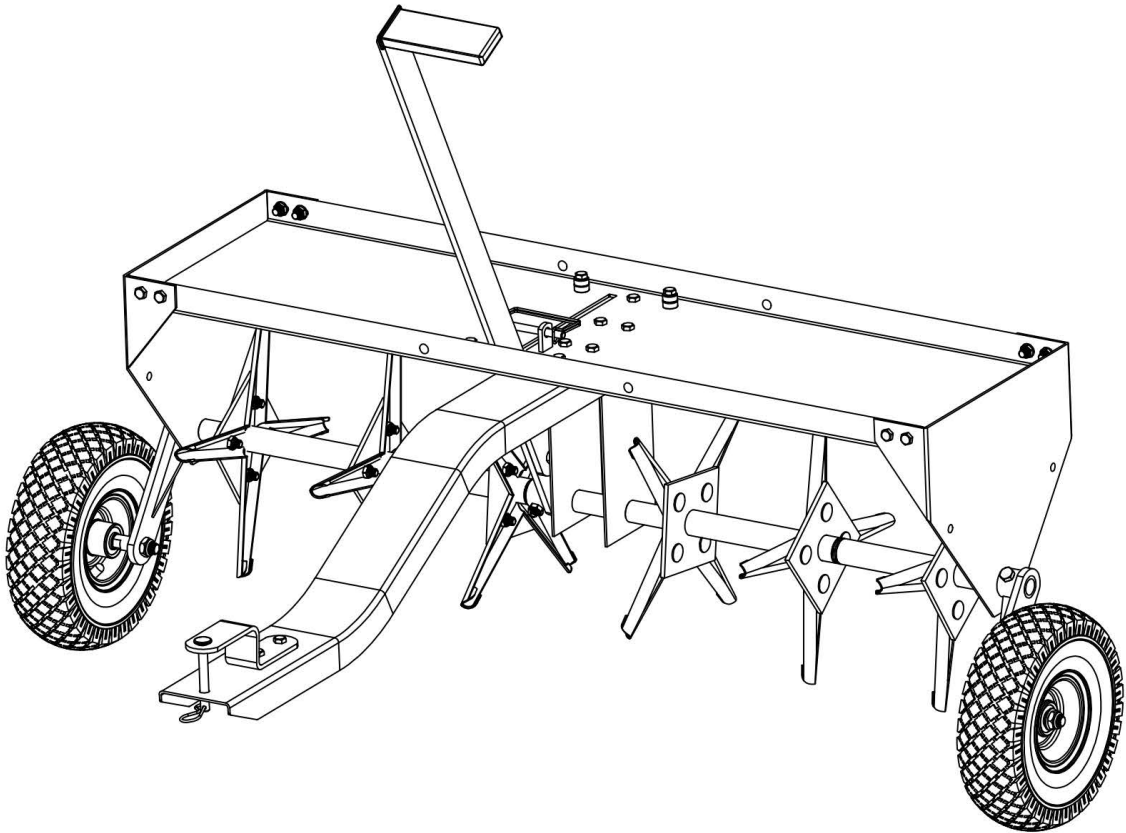


40" PLUG AERATOR

SKU:KF580009US-01JXY-001



Assembly video



Assembly and Operating Instructions

GENERAL WARNINGS

READ and UNDERSTAND this manual completely before using 40" Plug Aerator.

Operator must read and understand all safety and warning information, operating instructions, maintenance and storage instructions before operating this equipment. Failure to properly operate and maintain the plug aerator could result in serious injury to the operator or bystanders.

Operation Warnings

- Do not at any time carry passengers, sit or stand on the aerator.
- Do not allow children to play on, stand upon or climb on the aerator.
- Always inspect the aerator before using to insure it is in good working condition.
- Replace or repair damaged or worn parts immediately.
- Always check and tighten hardware and assembled parts before operation.
- Do not exceed the equipment maximum tray load capacity of 100 pounds.
- Avoid large holes and ditches when operating the equipment.
- Be careful when operating the aerator on steep grades (hills).
- ALWAYS operate at reduced speeds on rough terrain, along creeks, ditches and on hillsides.
- Do not operate close to creeks, ditches and public highways.
- To avoid personal injury and/or equipment damage **DO NOT EXCEED 5 MPH.**
- Always use caution when loading and unloading extra weight onto the tray.
- Only tow with recommended vehicles (Lawn/Garden Tractors and ATVs).
- Always refer to the vehicle owner's manual for proper towing.
- Aerator is not designed to be used with zero-turn mowers.
- Always secure and lock plug aerator to the vehicle hitch before operating.

Crush and Cut Hazards

- Always keep hands and feet clear from moving parts while operating the equipment.
- Always clear and keep work area clean when operating.
- Always wear safety gear, eye protection, gloves and work boots when operating the aerator.

WARNING

The warnings, cautions, and instructions outlined in this instruction manual cannot cover all possible conditions or situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product and must be supplied by the operator.

PROP 65 WARNING

This product can expose you to chemicals including lead and lead compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

Assembly Is Required

This product requires assembly before use. See "Assembly" section for instructions. Because of the weight and size of the 40" plug aerator, it is recommended that two or more adults be present to assist with the assembly. **INSPECT ALL COMPONENTS** closely upon receipt to make sure no components are missing or damaged.

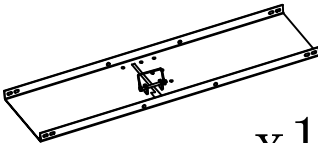
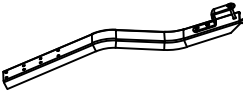
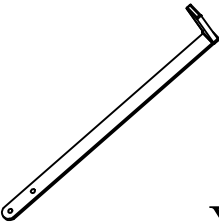
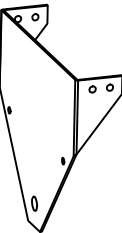
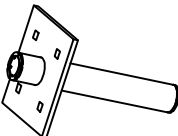
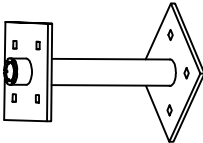
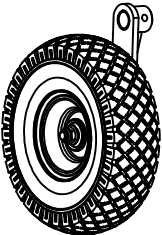
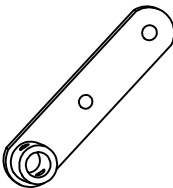
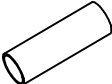
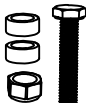
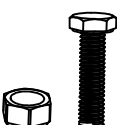
Hazard Signal Word Definitions

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
	CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

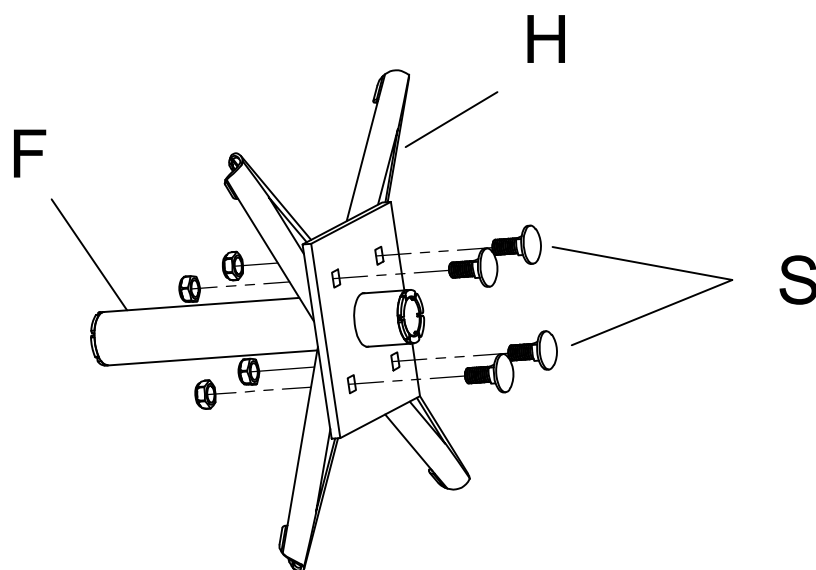
ABOUT YOUR 40" PLUG AERATOR

This 40" plug aerator has a roughed steel construction and is designed to remove soil plugs up to 3" long, allowing for compact soil to be loosened. Plug aerators promote a healthy lawn by opening up the ground to allow water, air and nutrients to reach your lawns' root system. It is ideal for heavy-traffic areas (playgrounds and sports fields) and burned-out, drought-damaged lawns. A plug aerator effects will last longer than a spike aerator because of size of hole it creates. The 40" plug aerator features a fully enclosed weight tray to increase the penetration depth. Never exceed the tray's rated loaded capacity of 100 pounds when operating the aerator.

Technical specifications of the 40" plug aerator are provided in the "Specifications" section of this manual.

A Tray  x1	B Tongue assembly  x1	C Lift handle  x1	D Axle shaft  x1
E End plate  x2	F Single plug  x2	G Double plug  x2	H Knife tool  x24
T Wheel assembly  x2	J Middle brace  x1	K Wheel bracket  x1	L Long spacer  x1
M Short spacer  x1	N Middle spacer  x2	W Bolt  M8x25 x14	P Bolt  M8x30 x4
Q Bolt  M8x45 x3	R Bolt  M10x30 x2	S Bolt  M8x20 x24	

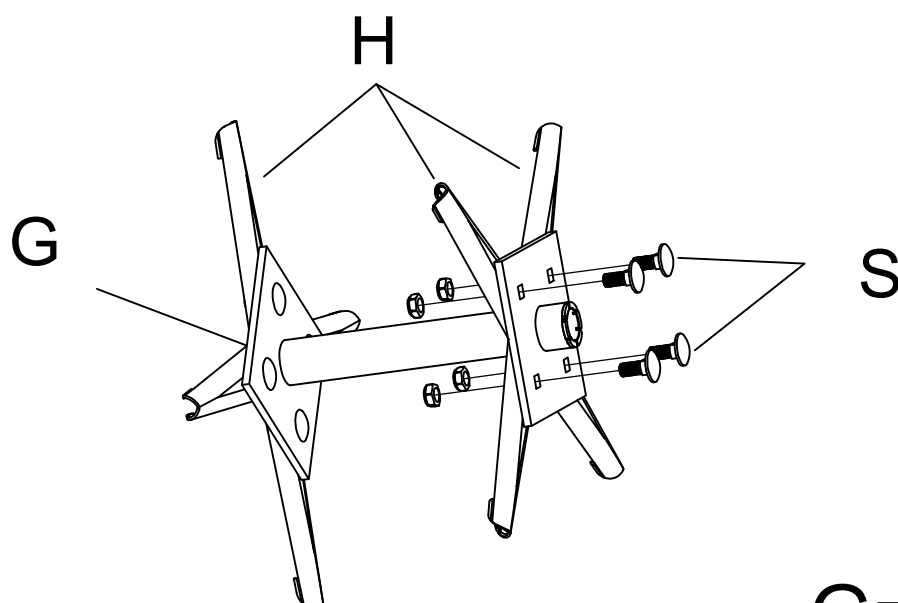
1 Assemble the knife tools to the single plug.



F=2pcs

S  x8

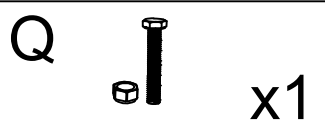
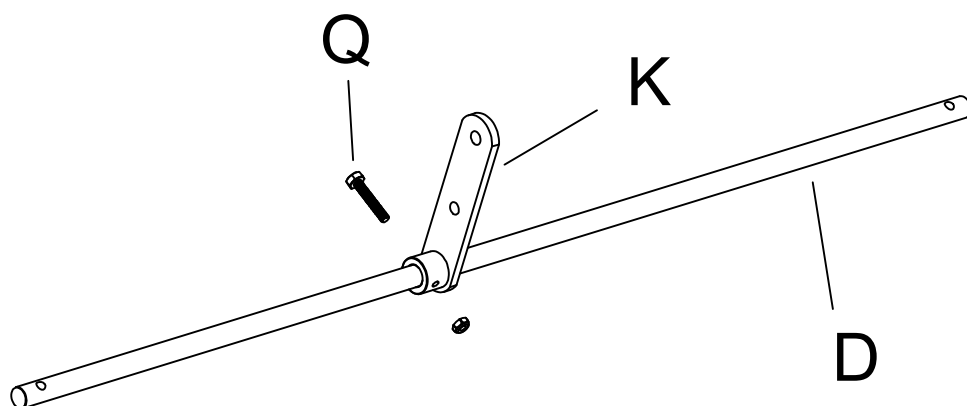
2 Assemble the knife tools to the double plug.



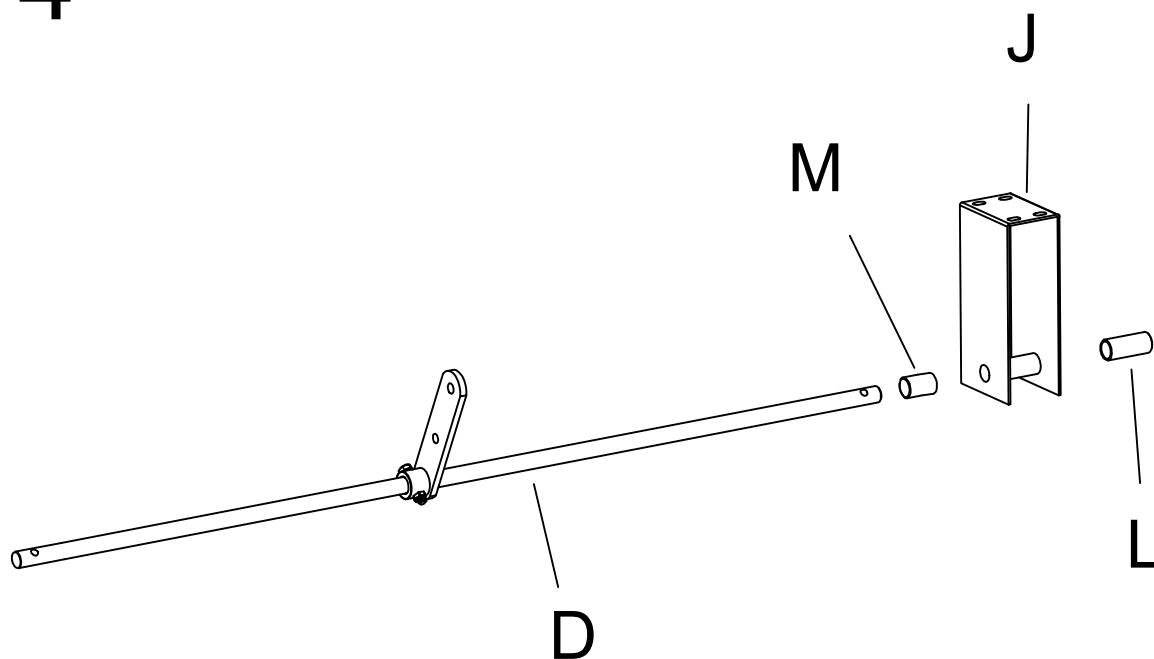
G=2pcs

S  x16

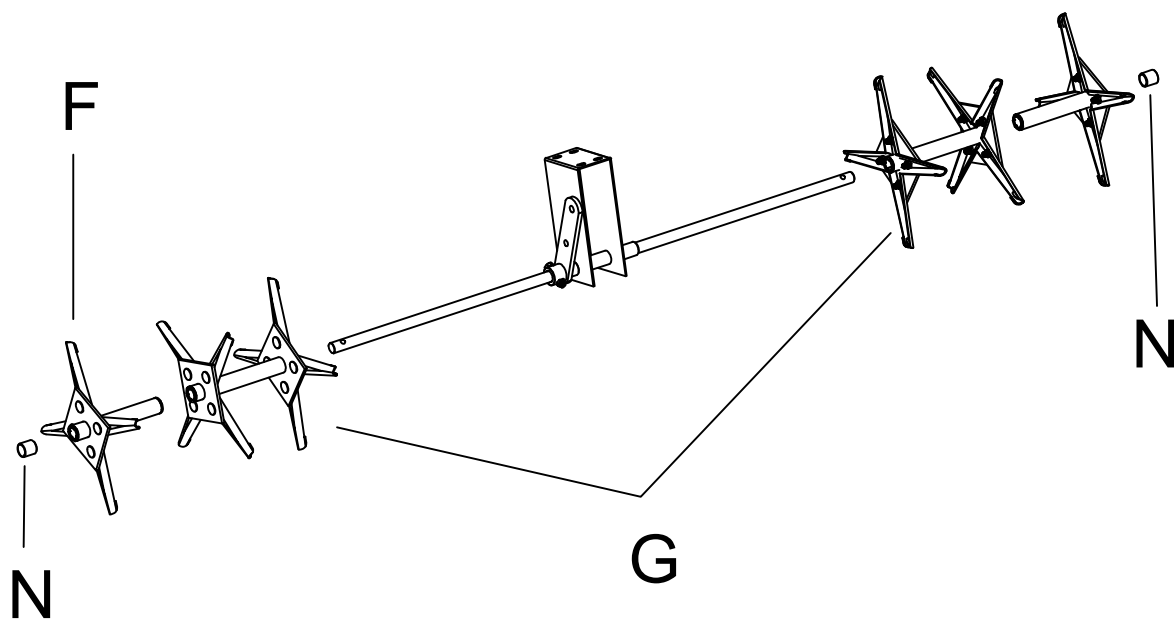
3 Assemble wheel bracket to the axle shaft.



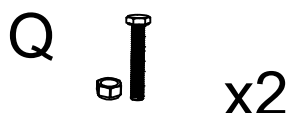
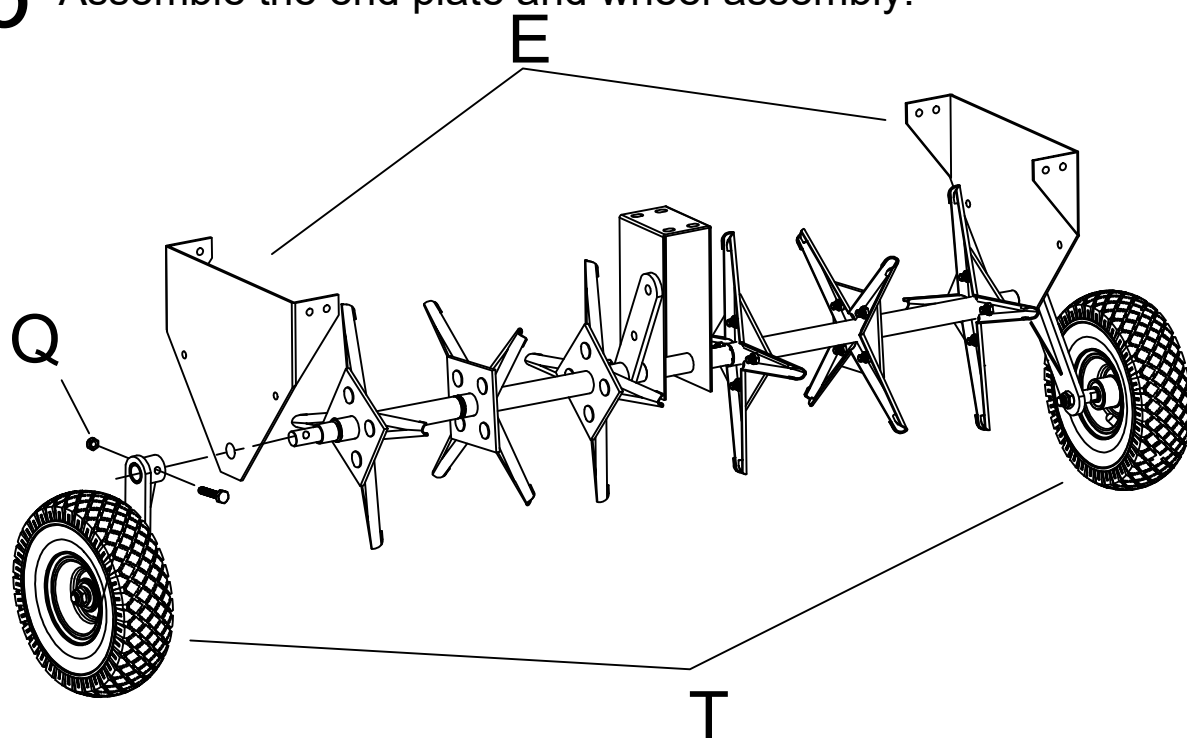
4 Assemble spacer and middle brace.



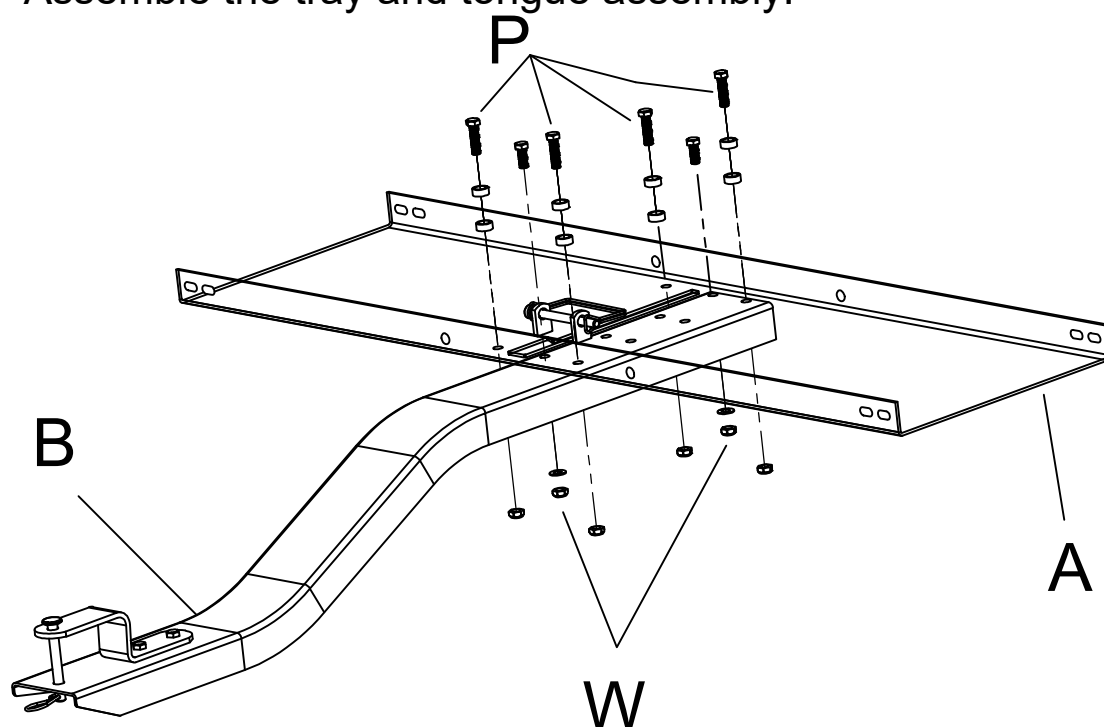
5 Assemble the single and double plug spools.



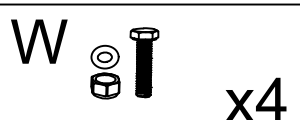
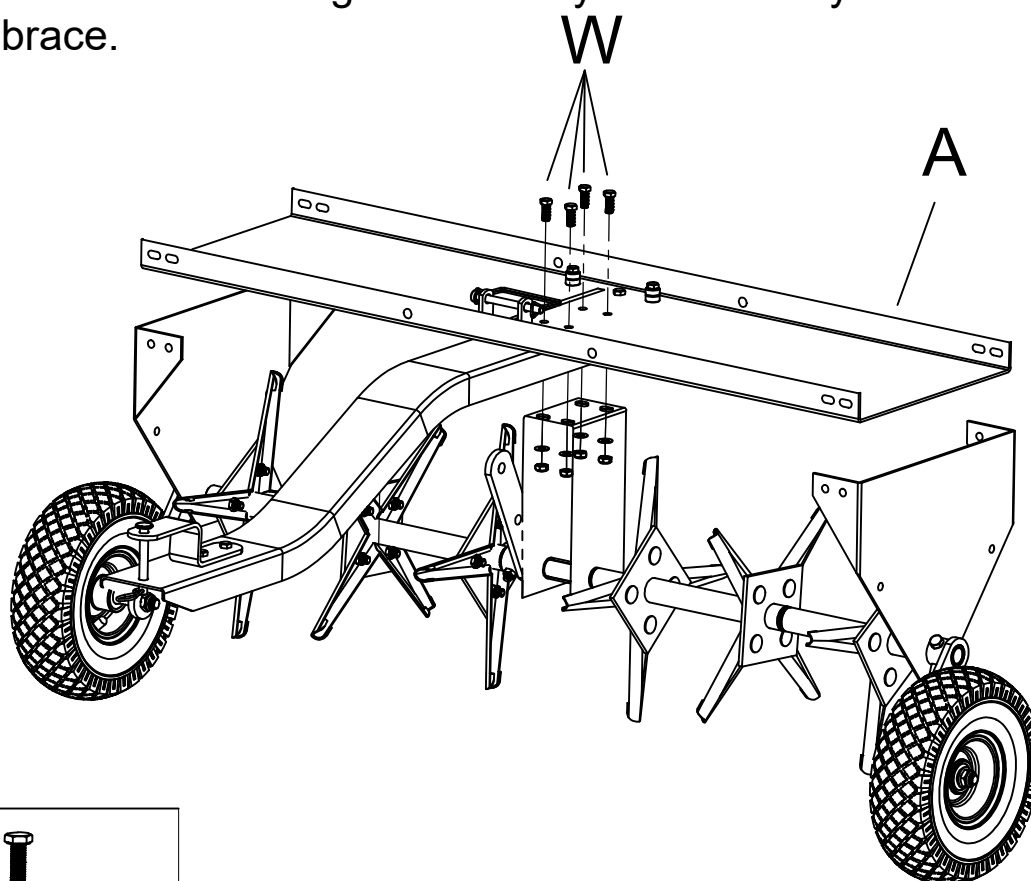
6 Assemble the end plate and wheel assembly.



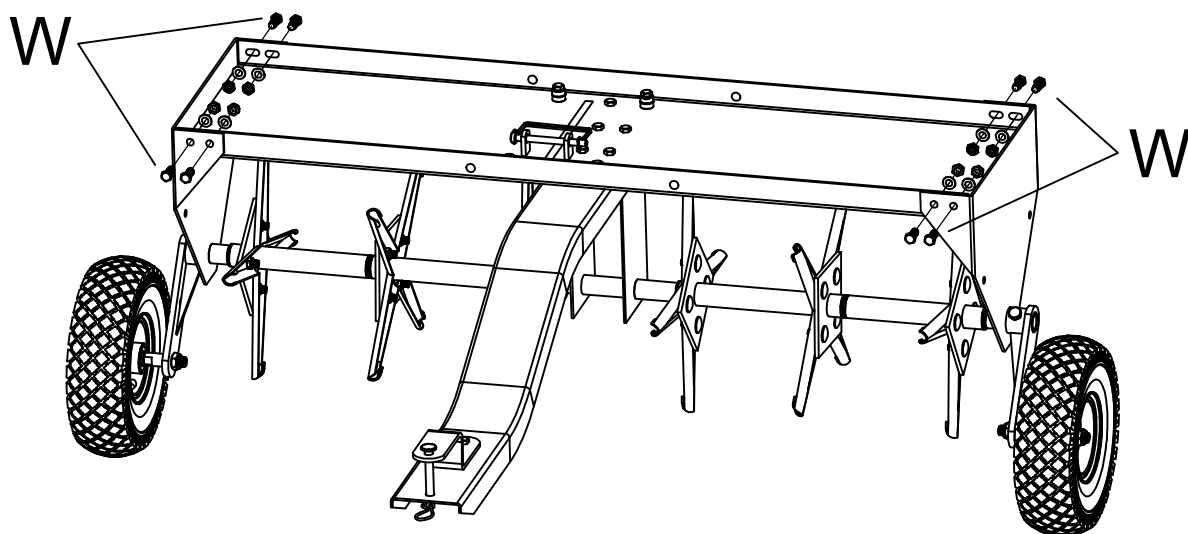
7 Assemble the tray and tongue assembly.



8 Assemble the tongue assembly between tray and middle brace.

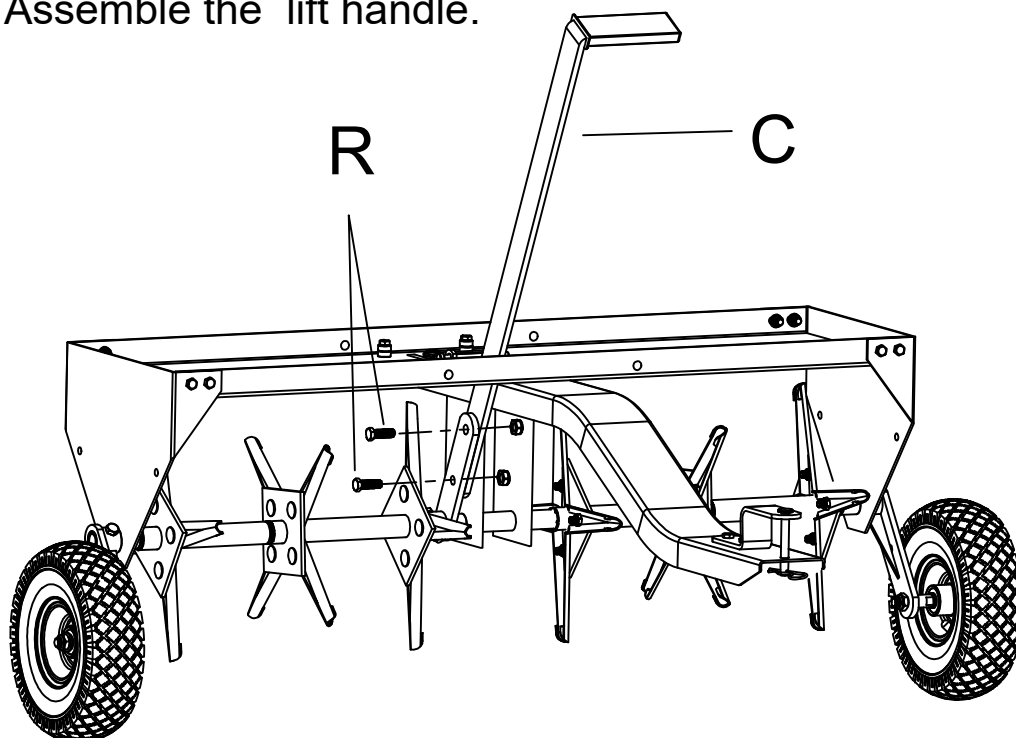


9 Assemble the tray between both end plate.

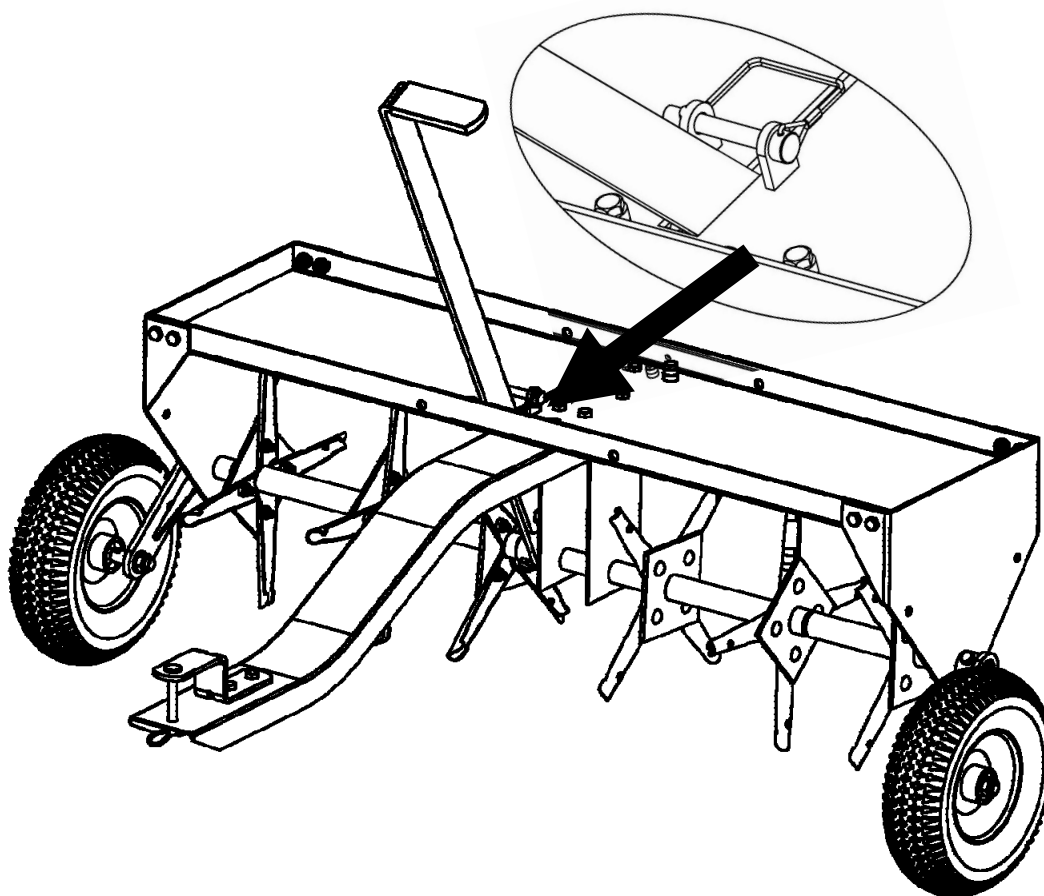


W  x8

10 Assemble the lift handle.



R  x2



Operation Instructions

WARNING

Before operating or using the plug aerator, review the instructions below and safety information. Failure to follow these instructions may result in property damage or injury to the operator or bystanders.

IMPORTANT:

Aerating is pulling small soil plugs up to three inches in length from the soil to create small reservoirs that will bring oxygen, fertilizer and water down to the roots. For best aerating results follow the soil/lawn preparation and operating aerator procedures.

SOIL AND LAWN PREPARATION

1. Remove large and small debris from the soil/lawn area.
2. If the ground is hard and dry, it is recommended to lightly water/dampen the ground be approximately one or two hours prior to aerating.
3. If the ground is wet or muddy **DO NOT** attempt to aerate.
4. Mow lawn and remove loose clippings before aerating.

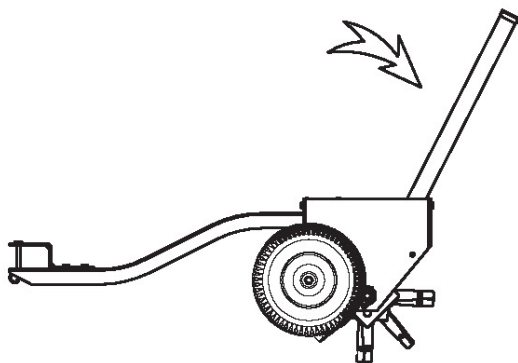
USING YOUR PLUG AERATOR

1. DO NOT at any time carry passengers, sit or stand on the aerator.
2. Only tow with recommended vehicles (Lawn/Garden Tractors and ATVs).
3. Refer to the vehicle owner's manual for proper safety and towing instructions.
4. Always secure and lock the aerator to the vehicle hitch before operating.
5. Start vehicle engine with the controls in neutral position, put throttle at the slowest engine speed. Put transmission in low gear first and lower the aerator, allowing plug spikes to enter the ground. Increase the speed as work conditions permit.
6. Vehicle braking and stability may be affected with the attachment of this equipment.
7. Never exceed 5 mph when towing the aerator.
8. Aerate in the straightest line as possible making overlapping passes to increase the plug spike point pattern.
9. DO NOT make sharp turns, which may cause the tires to rub against the aerator.
10. Avoid extremely sharp turns with plug spikes engaged to prevent damage to lawn.
11. DO NOT cross over walks or drives without raising the aerator to the transport position.
12. On sloped lawns, always aerate in an up and down direction. DO NOT attempt to aerate across the slope.
13. Always use caution when backing up the aerator to avoid "jack-knifing". Always back up in a straight line.
14. DO NOT exceed tray load capacity of 100 pounds.
15. To increase the depth of plug spike penetration, extra weight may be added to the tray (Maximum of 100 pounds) using either bags of sand or concrete blocks. Always secure the weight to the tray with ties or straps fastened to the front and rear of the tray. Be careful that ties and/or straps do not become entangled on rotating parts.

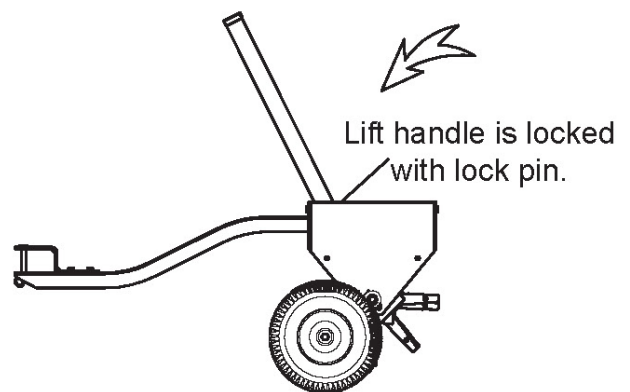


CAUTION

To avoid and prevent injury always dismount from approved vehicle to raise or lower aerator when extra weight has been added to the tray.



LOOSEN THE SOIL POSITION



FOR VEHICLE TOWING

Maintenance and Storage



WARNING

Improper maintenance and storage of the plug aerator may void your warranty.

MAINTENANCE

- Rinse/dry inside and outside of the aerator after each use.
- Before operating, check that tires have the RECOMMENDED TIRE PRESSURE.
- Regularly and as needed, grease axle and wheel bearing area.
- Periodically check all fasteners for tightness.
- Clean and lightly lubricate spool assemblies and shaft annually and as needed.
- Use a glossy enamel spray paint to touch up scratched or worn painted metal surfaces.
- Plug spikes periodically need to be sharpened with a small grinder to maintain good penetration. Spools should be removed to sharpen the points. Always follow the original angle and contour of the points when grinding.
- Never exceed the tray load capacity rating of 100 pounds as it will damage the plug aerator.

IMPORTANT:

If a part needs replacement, only use parts that meet the manufacturer's specifications. Replacement parts that do not meet specifications may result in a safety hazard or poor operation.

STORAGE

- Never keep extra weight on the aerator for extended periods of time.
- Before storing make sure the aerator is clean and dry for years of trouble-free service.
- Lightly lubricate all aerator surfaces and moving parts to prevent rust.
- Store indoors or in a protected area during severe weather and winter months.