



Speedball®

BOSS SERIES POTTERY WHEEL

Owner's Manual

JUNE 2026



Thank You!

Thank you for your purchase of a Speedball Boss Series Wheel. Representing the new industry standard, Boss Series Wheels offer artists the same high quality performance at an unmatched value. To ensure that you enjoy your Boss Series Wheel to the fullest, we encourage you to read this Owner's Manual. It explains all of the features, controls and performance characteristics of your wheel and it also provides important instructions, troubleshooting and safety information.

Complete your warranty registration process online by scanning the QR code. Once submitted, please print a confirmation of the Registration Form's submittal for your records. Please remember to complete your warranty registration within 30 days of purchase.



Scan this to register
your wheel!

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SAFETY TIPS

Please read all safety tips prior to use.

- If you experience any malfunctions with your Boss Series Wheel, discontinue use immediately. Contact Speedball Customer Service to assist in troubleshooting before conducting any repair or modification to your Boss Series Wheel. See “Boss Series Warranty/Repair Procedure” for more details.
- Immediately discontinue operation of your Boss Series Wheel if you see or smell smoke or if the wheel begins to make unusual noises. If this occurs, turn off the power, unplug the power cord from the wall outlet and contact Speedball Customer Service for assistance.
- Unplug your Boss Series Wheel before attempting any adjustment or inspection of the wheel or its parts.
- Do not overload the wheel head with clay (clay weight should not exceed recommended weight for your Boss Series Wheel) or force it to stop. Doing so may shorten the life of the motor.
- Plug electrical power cord directly into electrical wall outlet and do not run cord under carpets or cover cord with rug or runners. Unplug the power cord from wall outlet during electrical storms to prevent accidental damage.
- Do not leave wheel running unattended and keep out of the reach of small children.
- Use caution when operating the wheel to not get long hair, jewelry or loose clothing caught in the moving wheel head.
- Do not attempt to move or hold the wheel during use.
- Always turn off your Boss Series Wheel prior to cleaning. To clean your wheel, hand wash with water or clean with air hose only. Do not hose off or pressure wash your wheel as this may results in the damage of wheel motor and/or bearings.
- Do not use your Boss Series Wheel outdoors.
- Do not let the wheel stand in water.
- Boss Series recommended use with 15 amp circuit. NOTE: 20 amp circuit is recommended for use near or at stated wheel capacity.
- Clay Boss Capacity: 100lbs.
- Big Boss Capacity: 175 lbs.
- Big Boss Elite Capacity: 175 lbs.
- Boss Series Voltage: 110V or 220V

GETTING STARTED

Unpacking Your Boss Series Wheel

NOTE: Do not attempt to lift or move your Boss Series Wheel by yourself. Equipment should be lifted with at least one other individual to avoid injury.

If you received your Boss Series Wheel in a carton that was damaged during shipment, be sure to make a full description of the breakage and/or damage as soon as possible. Contact the delivery company immediately and make arrangements for an inspection or return of the entire wheel to their claims department.

If possible, save all shipping containers in case you should ever have to return the wheel for service.

Be sure to complete your Boss Series warranty registration within 30 days of receipt.



Scan this to register
your wheel!

PACKAGE CONTENTS:



Boss Series Wheel with
Foot Pedal



Utility Shelf
(Included with Boss Elite Model
Only; compatible with all Boss
Series Wheels)



(2) Bats (B75m B12)



Bat Pins

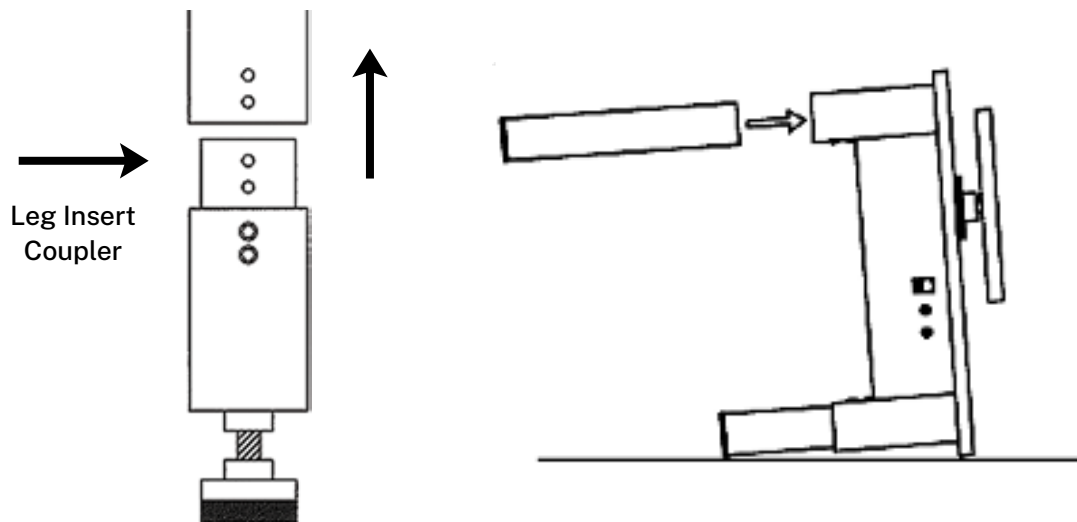
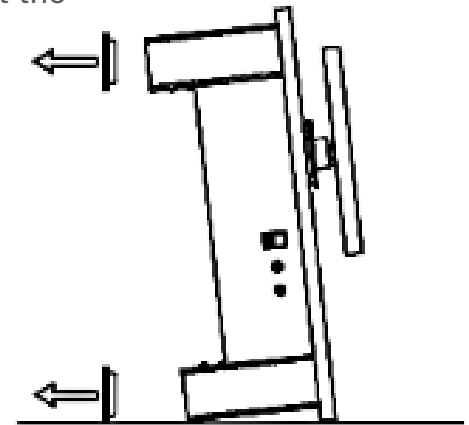
ASSEMBLY INSTRUCTIONS

Leg Installation (Clay Boss Model only)

1. Begin by opening carton and carefully removing your Boss Series Wheel.
2. Next, turn the wheel so that it is positioned on its back edge so that the underside of the wheel is now facing you.

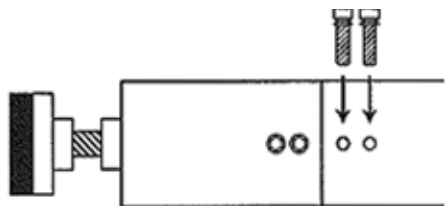
NOTE: Exercise caution when positioning the wheel on its edge so as not to cause the wheel to tip over completely. Tipping the wheel over onto its wheel head may result in damaging the wheel head assembly.

3. Remove both loose bolts in the first Leg Insert's Coupler (narrow portion of the leg insert). Slide the leg insert into the pottery wheel frame.



Need more help? See how to install your Clay Boss' legs on our YouTube Channel or following this QR Code.

4. Line up the two holes in the leg with the two holes of the leg insert coupler. Once the holes are aligned, place a washer and bolt into each of the holes and tighten with an Allen Wrench. NOTE: Do not over-tighten bolts.



5. Repeat this procedure for the remaining two leg inserts. Once all bolts have been tightened into place, return your Boss Series Wheel to an upright position.

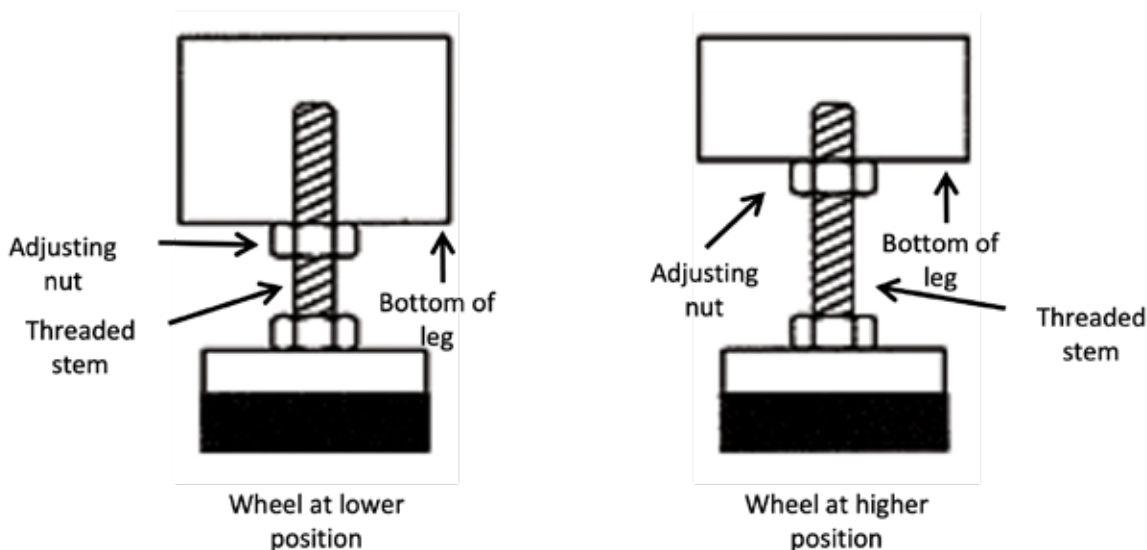
ASSEMBLY INSTRUCTIONS

Leg Length Adjustment

The length of each of your Boss Series Wheel's legs may be adjusted to allow for changes in wheel height or for leveling on uneven floors. To adjust height, do the following:

1. Loosen the adjusting nut by twisting in a counter-clockwise direction.
2. Once loosened, twist the foot slightly (inwards to lower the leg's height; outwards to raise the leg's height) until the desired height is reached.
3. Retighten the adjusting nut by twisting in a clockwise direction. To ensure maximum stability, tighten all nuts to a completely secure position.

NOTE: Black rubber foot can be pulled out in order to use the head of the threaded stem to tighten all of the nuts securely.



Need more help? See how to adjust the height of your wheel on our YouTube Channel or following this QR Code.

ASSEMBLY INSTRUCTIONS

Splash Pan Installation / Replacement

1. Sit in front of your wheel.
2. Insert the flange under the wing.



CORRECT



INCORRECT



Push pan down until it is flat on the tabletop, then slide forward



Pull the clasps of the second piece out slightly and slide towards you



Continue to slide the second piece towards you (keeping it flat on the tabletop) until both pieces are joined together and you hear a slight snapping of the clasps.

ASSEMBLY INSTRUCTIONS

Utility Shelf Installation

NOTE: A crescent wrench is required to install Utility Shelf.

1. Attach both metal brackets to the Utility Shelf using hardware included.
 - Align holes of Utility Shelf with holes of brackets, with “V” of the brackets away from the potter.
 - Insert (1) carriage bolt through each hole of the Utility Shelf and into bracket.
 - Place washer over bolt, followed by a nut.
 - Tighten each nut until bolt is securely fastened.
2. Remove each of the (4) carriage bolts from the tabletop of your Boss Series Wheel (located near the back legs of the wheel) by first removing the (4) nuts located on the underside of the tabletop.
3. Place Utility Shelf onto the tabletop of the wheel and align the holes of the brackets with the holes of the tabletop.
4. Insert the (4) carriage bolts (removed in Step 2) down through each of the brackets, through the tabletop and out through the underside of the metal frame.
5. Place washer over each bolt, followed by a nut.
6. Tighten each nut until bolt is securely fastened.



WHEEL OPERATION

Using your Boss Series Wheel

Once your Boss Series wheel is unpacked and assembled, you may begin using your wheel by plugging the wheel's power cord into a nearby power source. Your wheel has been electrically-grounded for your protection, however, you must complete the grounding at the outlet. If you are plugging the wheel into a threeholed outlet, your wheel will be grounded automatically. If you have a two-hold outlet, you will need to plug the wheel into a three-holed adapter.

NOTE: to protect the electronics in your wheel from power surges, the use of a surge protector is recommended.

Using the Foot Pedal

To start the spinning of the wheel head, press down on the foot pedal. The foot pedal controls the speed with which the wheel head turns, and can be increased by pressing further down on the front (thick end) of the pedal. To decrease wheel head speed, simply press on the back (thin end) of the pedal. The pedal is not spring-loaded, allowing the speed to be maintained even after your foot has been removed from the pedal.

Reversing Wheel Head Direction

Each Boss Series Wheel has reversing wheel head capabilities for left-or righthanded operation. To reverse the wheel head rotation:

1. Turn power off and unplug the power cord from the outlet.
2. Unplug the motor cord at the connector and rotate 180 degrees.
3. Plug the motor cord back at the connector.
4. Plug wheel's power cord back into outlet.
5. Wheel will now rotate in the opposite direction.

NOTE: Never attempt to change the direction of the wheel head while the power to the wheel is on or the wheel head is moving.

Heavy Loads

Your wheel is equipped with a sophisticated load-sensing control system that maintains wheel head speed under changing loads.

WHEEL MAINTENANCE

Cleaning your Boss Series Wheel

To clean your wheel, hand wash with water. Do not hose off or pressure wash your wheel as this could force water into the motor and/or bearings and could cause damage. You may also clean your wheel with an air hose.

NOTE: Never spray water up under your wheel. This could cause severe damage to the motor and/or electronics.

Control Box

The control box houses the “On/Off” switch for your wheel along with the wheel’s electronic components. NEVER take the cover plate off of the control box without first removing the plug from the outlet. The switch on your control box should only be turned on with the foot pedal at the “zero speed” position. Your wheel is equipped with a circuit breaker in the switch. If your unit shuts itself off, simply turn the power switch to the “Reset” position.

Wheel Belt Tension

Your Boss Series Wheel Belt has been adjusted at the factory to the correct tension. If the belt slips while in use, an additional adjustment in the tension might be necessary. To increase the tension of the wheel’s belt:

1. Turn power off and unplug the power cord from the outlet.
2. Next, turn the wheel so that it is positioned on its back edge so that the underside of the wheel is now facing you.
3. Using a standard Phillips Head Screwdriver, remove each of the four screws attaching the Belt Guard to your Boss Series Wheel and set aside.
4. Verify that the Belt is positioned at the center of the Wheel Head Pulley prior to adjusting tension. If the Belt is centered on the Pulley, go to the next step. If not, adjust accordingly.
5. If you would like to increase the Belt’s tension, begin by rotating the nut positioned on the bottom of the plate in a clockwise direction (using a 10mm wrench).
6. Once in the desired position, begin rotating the lock nut on top of the wheel’s plate by turning the nut clockwise until tight.

NOTE: To decrease the tension of the Wheel Belt, follow steps 1-4. Next, loosen the nut positioned on the top of the plate using a 10mm wrench by rotating it counterclockwise. Then repeat this step for the nut located on the underside of the plate until tight.

Wheel Head Bearings

Your motor and wheel head bearings are permanently lubricated and sealed and should not require service or maintenance.



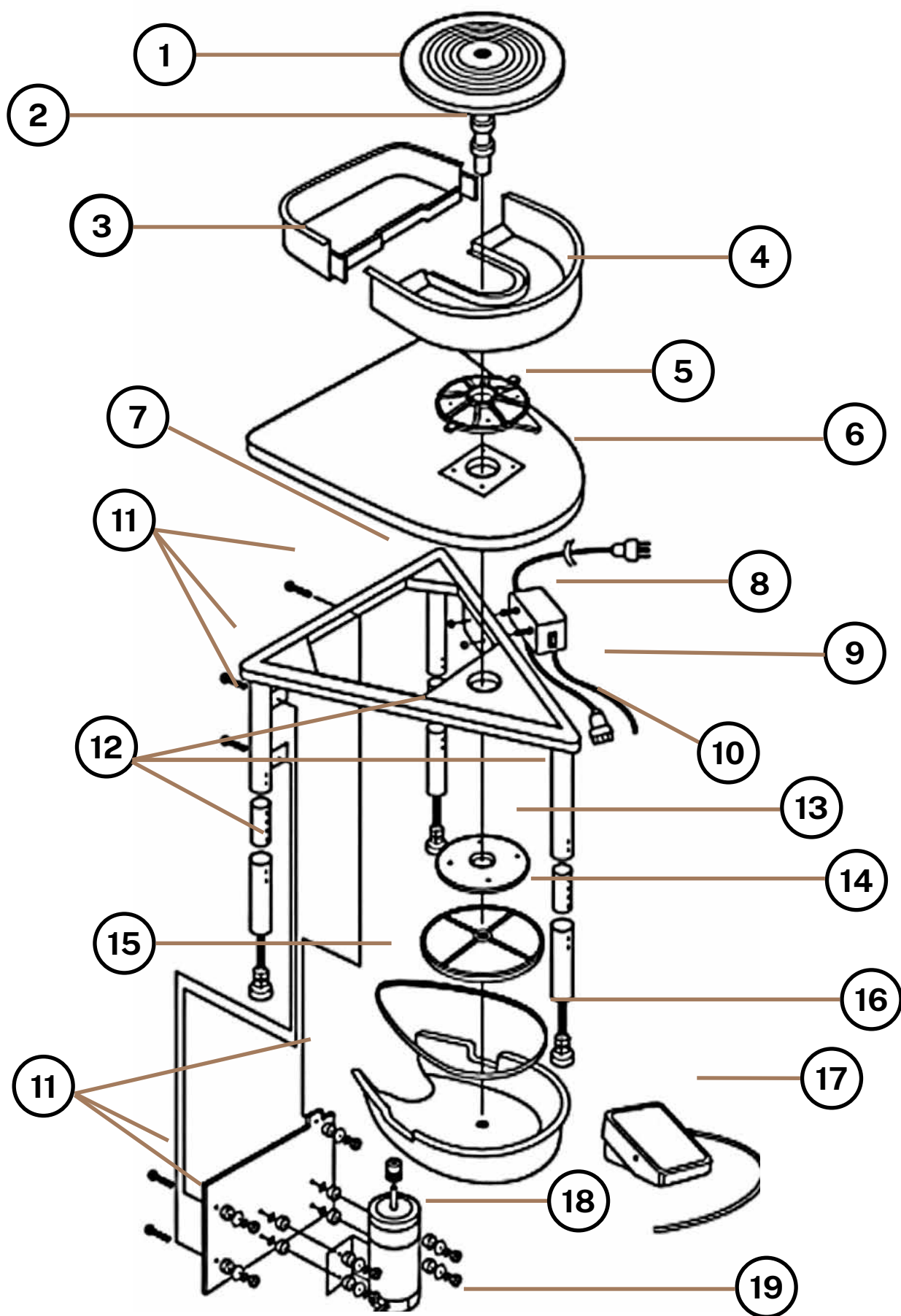
Need more help? Scan this QR code to see how to adjust the belt on our YouTube Channel.

WHEEL DIAGRAM

Boss Series Legend

1. Wheel Head
2. Wheel Head Shaft & Bearing
3. Splash Pan (Back)
4. Splash Pan (Front)
5. Bearing Retainer Top
6. Table Top (Plastic)
7. Wheel Frame
8. Control Box
9. Control Board Power Cord
10. Power Cord
11. Motor Mounting Plate, Nuts & Bolts
12. Legs/Leg Attachments
13. Bearing Retainer Bottom
14. Wheel Head Pulley
15. Belt
16. Belt Guard
17. Foot Pedal
18. Motor
19. Motor Power Cord

For full Boss Series Parts List, see next page.



PARTS LIST

Boss Series Wheel Parts

For questions or help ordering any of the parts listed below, contact Speedball Customer Service at 800.898.7224, Monday-Friday, 8:30am-4:30pm EST (*closed Saturdays and Sundays*).

MOTORS	
PART #	PART DESCRIPTION (<i>model noted in italics</i>)
1W436	Motor with Bracket and Pulley (<i>Clay Boss</i>)
1W435	Motor Pulley (<i>Clay Boss</i>)
1W437D	Motor (<i>Clay Boss</i>)
1W401N	Motor with Bracket and Pulley (<i>Big Boss, Boss Elite</i>)
1W404	10-Groove Motor Pulley (<i>Big Boss, Boss Elite</i>)
1W406	Male Reverse Plug w/ 10" cord attached (<i>Boss Series</i>)
1W407	Boss Female Reverse Plug (<i>Boss Series</i>)
CONTROLLERS	
2W375	Control update (<i>Clay Boss</i>)
1W375	Control update (<i>Big Boss, Boss Elite</i>)
2W310	Control board (<i>Clay Boss</i>)
FOOT PEDALS	
1W340A	Foot pedal (<i>Boss Series</i>)
1W342	Rheostat/Potentiometer (<i>Boss Series</i>)
FOOT PEDALS	
1W201A	Complete wheel head assembly (head + bearing)
1W230	Bearing top
1W231	Bearing bottom
1W570A	Bearing retainer - top
1W570B	Bearing retainer - bottom
1W250	Wheel head pulley
LEGS SETS	
SPLASHPAN_CAP	Splash Pan-orange
BELTS	
2W446	BELT 485J4 (<i>Clay Boss</i>)
1W595	10-Groove Belt (<i>Big Boss, Boss Elite</i>)
MISCELLANEOUS	
2W107	Leg Coupler (<i>Boss Series</i>)
2W108	Screws for Leg Coupler (<i>Boss Series</i>)
1A402	Switch (<i>Boss Series</i>)
1W315	Power Cord (<i>Boss Series</i>)

WARRANTY OVERVIEW

Boss Series 10-Year Warranty

Your Boss Series Wheel comes complete with a 10-YEAR WARRANTY (100% parts & labor when labor performed at Speedball Factory). Speedball Art Products Company warrants this Speedball pottery wheel to be free from defects in materials and workmanship under normal use and service, that would affect its operation for a period of 10 (ten) years from the date of purchase. **This wheel must be registered within 30 (thirty) days of the date of purchase to make the warranty effective.**

Scan QR card to fill out warranty registration or by contacting our Customer Service Department at 800.898.7224. The obligation of this warranty shall be limited to repairing or replacing any part of the wheel which, **at the discretion of the Company**, shall be proven defective in materials or workmanship under normal use and service during the time period commencing with the date of purchase. Full wheel replacement will be at the discretion of the Company and will only be considered for claims initiated within 30 (thirty) days of purchase. Boss Series' warranties are non-transferrable.



Scan to complete warranty registration!

This warranty does not apply to: (a) damage caused by accident, abuse, mishandling or dropping; (b) units which have been subject to unauthorized repair; (c) units not used in accordance with direction; (d) damage exceeding the cost of the product; (e) damage by flood, lightning or natural disaster, war declared or undeclared. In no case shall the Company be liable for any incidental or consequential damages for breach of this or any other warranty, express or implied, whatsoever. The limit of this warranty includes the product only and not any loss of work time or contract due to inability to use the wheel.

Parts in need of repair shall be returned by the customer, shipping prepaid, to:

**Speedball Art Products
Repairs Department
2301 Speedball Road
Statesville, NC 28677**

After any repair or replacement, Speedball Art Products Company will return under normal working schedule and by UPS/FedEx Ground Service (for customers in the Continental United States). Rush repair orders are accepted by purchase order and credit card payment or COD charges. Shipping charges for rush returns other than UPS/FedEx Ground Service must be prepaid via credit card or COD. No U.S. Postal returns. Be sure to wrap the product or parts securely when shipping to avoid shipping damage.

WARRANTY OVERVIEW

Policy Statement

1. Registered warranty must be on file at Speedball Art Products Company.
2. Customer must contact Speedball Art Products Company for Return Authorization Number prior to returning the wheel. Please write the number clearly on the outside of the box.
3. Parts for warranty repair must be shipped prepaid to Speedball Art Products Company.
4. Send entire system as a unit control box, motor, foot pedal and all power with no cut cords. Experience has shown that by sending the entire system, repairs are made the first time, made correctly and with less time and trouble for all parties concerned. Full wheel shipments for repair or replacement must be shipped in original packaging.
5. Enclose a brief description of the problem, along with your name, UPS address, phone number, email address and personal address.
6. Speedball Art Products Company will pay UPS/FedEx Ground Service shipping back to customer.
7. Any extra charges due to a request by the customer to rush shipment are to be paid by the customer.
8. For your convenience, troubleshooting can also be conducted by phone with one of our trained Customer Service Representatives at 800.898.7224, Monday-Friday, 8:00am-5:00pm EST.



Need help? Contact us!

ADDITIONAL PRODUCTS

Glazes & Underglazes

Used exclusively by a range of internationally renowned and emerging artists alike, Speedball's glaze and underglaze lines offer the same high-quality experience of the top glazes on the market at an unmatched value. Ideal for any studio or classroom.



UNDERGLAZES

- Beginner to Expert
- Firing Range : Cone 05-10
- Use Speedball Clear Earthenware or Stoneware Clear Glaze
- Recommended for greenware or bisque
- All colors lead-free + dinnerware safe*



MID-FIRE GLAZE

- Beginner to Expert
- Firing Range : Cone 5/6
- Mottling and Reduction-like effects with one glaze
- Recommended application on Cone 04 bisque
- All colors lead-free + dinnerware safe*



STUDIO PLUS GLAZE

- Beginner to Expert
- Firing Range: Cone 06-05
- Recommended application on Cone 05/04 bisque
- All colors lead-free + dinnerware safe*



Register for Rebate!

Every Boss Series Wheel includes eligibility for Studio Rebate program**, good for use towards the purchase of any Speedball glaze, underglaze, bat, Boss Base or Boss Ribs. Rebate registration is required.

**When used and fired as directed.*

***Must have warranty registered to be eligible for rebate.*

ADDITIONAL PRODUCTS

Boss Base & Boss Ribs



BOSS BASE

Developed in partnership with professional potter, Rich Brown, and inspired by tools and traditions of North Carolina production potters, the Speedball Boss Base™ allows for the ultimate ergonomic experience while delivering unmatched consistency and ease. Easily open your small cups, mugs or plates while ensuring a uniform bottom to every piece. Available in four vibrant colors (Red, Blue, Orange, Green); 3/8" size.



BOSS RIBS

Providing stability, confidence, and increased accessibility, the Speedball Boss Ribs are great companions for centering and shaping clay on the wheel. Great for beginners or artists with mobility limitations as it relieves stress from joints. Developed in partnership with professional potter, Jennifer Whilden. Available in four vibrant colors (Black, Blue, Pink, and Green).

Plastic & Wooden Bats



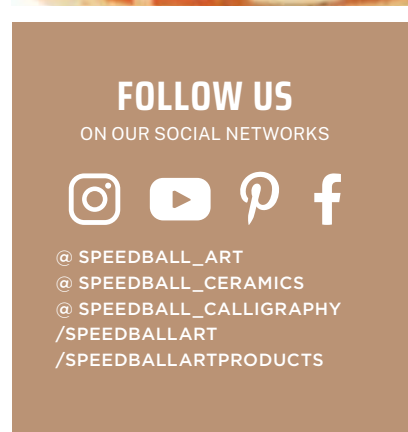
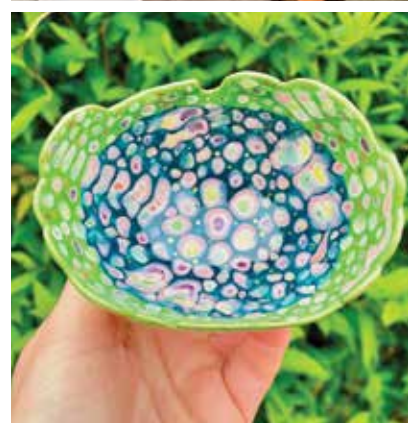
PLASTIC BATS

Made from injection-molded plastic, these bats are built to last, and their unique ribs add strength and durability. Their rim design makes it easy to remove pieces from the wheel in one fluid motion. Available in (3) sizes across (9) colors, they make, they make organizing projects for classes and studios a breeze! Designed to fit universal bat pin spacing.



WOODEN BATS

Offering the greatest durability of all wooden bats with very limited warping or chipping. This bat is an ideal alternative for potters who prefer to work on wooden bats, but need enhanced longevity. Available in (4) sizes.



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