



Product Manual

# RollMaster™ 5000

## Line Painting Machine

10003068



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# RollMaster™ 5000 Line Painting Machine

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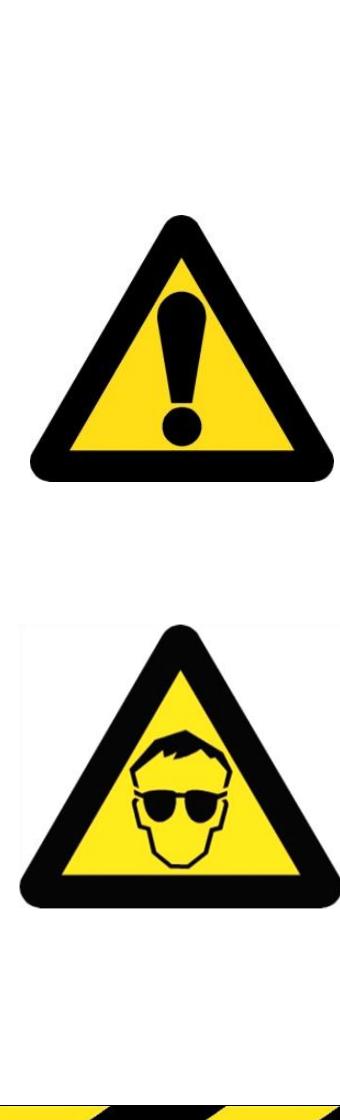
**Thank you for purchasing the Newstripe  
RollMaster™ 5000 Line Painting Machine.**

Please read over the instructions and make sure you understand the operating procedures before using the unit.

Please check the serial number on your unit. This Manual is for units with serial number 1023988 and above only. For units with serial numbers below 1023988, please contact Newstripe for the correct product manual.



# RollMaster™ 5000 Line Painting Machine



## PRECAUTIONARY WARNINGS

- **PLEASE** read and understand all operation instructions as detailed in this manual. Failure to follow specified instructions may result in equipment damage or severe injury to personnel.
- **DO NOT** use solvent or oil-based paints. Solvent or oil-based paints may damage the roller cover or hose. Use water-based paints only.
- **ALWAYS** keep paint and foreign matter away from the pump.  
**NOTE:** It is especially important that the pump rollers are kept clean. Make sure that they spin freely before each use.
- **NEVER** use solvents or fuels, such as gasoline to clean the RollMaster 5000. Use only warm soapy water to clean the machine.  
**NOTE:** Pressure washing is not recommended.
- **DO NOT** use brushes with metal bristles or any metal object to clean any part of the RollMaster 5000.
- **DO NOT** dispose of the Paint Pail Dip Tube (metal tube used for pulling the paint from the pail), Mandrel Tube (metal tube that inserts into the mandrel), Mandrel, and Knurled Nuts. These are permanent parts of the machine that are not included in replacement roller and hose kits.  
**NOTE:** These parts must be cleaned after every use. A flexible tube brush with plastic bristles may be beneficial for cleaning these parts.
- **ALWAYS** consult your Facility Safety and/or Personnel Department for specified safety protocols prior to operating this equipment.



# RollMaster™ 5000 Line Painting Machine

## Your RollMaster™ 5000 Box Should Include

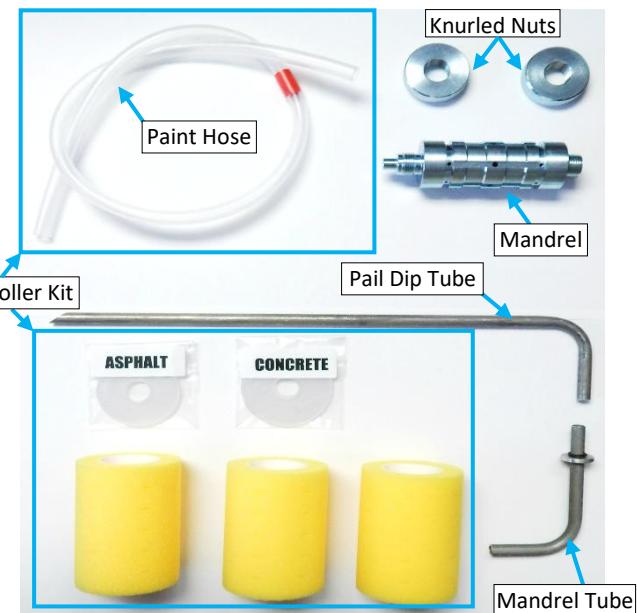
- Chassis Assembly
- Handle Assembly with Roller Carrier Lifting Rod
- 5-Gallon Pail with Lid

## **Inside Your Pail:**

- Pail Dip Tube
- 4" Roller Kit Containing Three 4" Rollers with Asphalt & Concrete Discs, and Paint Hose
- Hose Guide To Keep The Paint Hose Off The Wheel
- Product Manual

## **Inside Your Parts Box:**

- Roller Carrier
- Mandrel with Knurled Nuts
- Mandrel Tube



## **Required Tools:**

- Two 1/2" wrenches
- Two 7/16" wrenches
- One 3/4" wrench, or two adjustable crescent wrenches
- One #2 Phillips screwdriver

## **12V 18Ah AGM Battery for RollMaster 5000 (Not Included):**

These are high performance sealed 12 Volt 18 Amp Hour AGM Batteries available at most auto parts stores or online. The battery dimensions are: 6-7/8" Long X 3-7/16" Wide X 6-1/8" Tall.

Some manufacturer part numbers for this battery:

Interstate Batteries P/N FAYTX20H

NAPA Auto Parts P/N PSB 20BS

O'Reilly Auto Parts P/N GTX20BS

Yuasa P/N YTX20-BS

PowerSonic P/N PTX20-BS

SigmasTek P/N STX20-BS

## **Important Note:**

As you look at the side of the battery with the terminals, correct orientation is +/- (Positive Left Side/Negative Right Side). **THE BATTERY PART NUMBER MUST NOT HAVE THE LETTER "L" IN IT.**

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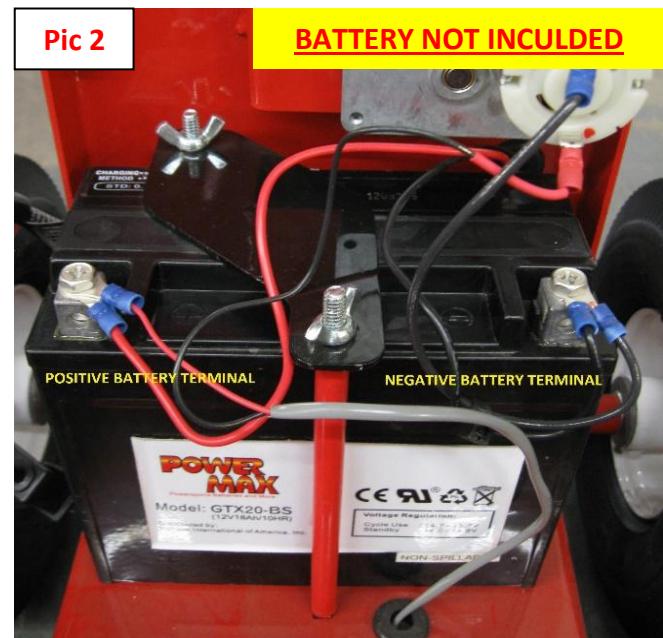
## ASSEMBLY

1. Unpack the RollMaster™ 5000 chassis assembly, roller carrier, handle assembly, pail, and parts box. The major components are held together with 1/4" diameter bolts in 3/4" length, and 5/16" diameter bolts in 1-1/2" lengths with lock nuts and washers.
2. Place the wheels of the chassis on a flat surface. Lay the handle assembly behind the unit (pail holder end) with the grips pointing downward, and the bottom of the handles toward the unit.
3. Mount the bottom end of the handle assembly on the rear of the chassis (handles fit on the outside) with two 5/16" x 1-1/2" bolts with washers, from under the inside of the chassis, out. Install lock nuts on the bolts on the outside of the handle assembly. Do not completely tighten the lock nuts at this time.
- NOTE:** There are no washers on the outside of the handle assembly.
4. Swing the handles into an upright position. Rotate each handle brace up (on the outside of the handle assembly) and align the hole with the hole in handle assembly. Insert 5/16" x 1-1/2" long carriage bolts in each hole from the outside. Install and tighten lock nuts on each of the carriage bolts, and then fully tighten the bottom handle assembly bolts. Route the trigger wiring harness between the rear axle and chassis, toward the battery cover. Push the end of the harness up through the grommet in the chassis and into the battery area.
5. Remove the four bolts and washers securing battery cover. Slide cover up and off of the machine and set it aside.
6. Remove the two wing nuts that secure the battery hold down plate. Remove the plate. Place a new battery on the chassis between the battery hold down bolts, with the battery terminals positioned to the rear of the machine. Install the battery hold down plate and secure it with the wing nuts.

Pictures for wiring are shown in Pic 2.

**Note: Install the positive side first when installing connections.**

7. Attach the **Red** wire lead from the paint trigger harness and the **Red** wire lead from the battery charger to the top of the positive terminal side of the battery.
8. Attach the **Black** wire lead (**with the red tape marker**) from the paint trigger harness to the bottom post of the pump motor. (Marked with a **red dot**)
9. Attach the two **Black** wire leads (from the pump motor and the battery charger that are tied together) to the top of the negative terminal side of the battery.



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## ASSEMBLY CONTINUED

10. Activate the paint trigger. The motor should rotate the roller pump in a clockwise direction as you face the machine. Please call Newstripe if the motor does not rotate the roller pump.

**NOTE:** A brand new battery will require charging overnight.

11. Carefully slide battery cover back onto the pump plate, making sure that the paint trigger wires are not pinched, and secure it with the four bolts and washers that you previously removed.

12. Remove the roller carrier from the packaging and then remove the rubber band securing mandrel to the carrier. You may discard of the packaging and rubber band. Remove the mandrel and mandrel tube from carrier and set them aside.

13. Remove the nut and washer from the roller carrier support arm on the chassis. Apply grease to the threaded stud of the support arm. Mount the roller carrier on the greased stud of the support arm and secure it with the washer and

nut previously removed. Tighten the nut enough to remove any side play, but loose enough to allow the roller carrier to pivot up and down freely with both wheels sitting flat on the ground, when in the down position.

14. Pull the lifting lever backward (Operating Position). Remove the cotter hairpin from the lifting rod end. Lightly grease the rod end and then slide it into hole in the arm of the roller carrier. Re-install the cotter hairpin in the rod end. The lifting lever will now lift the carrier up off of the ground when the lever is pushed forward.

**NOTE:** When the lifting lever is in the operating position, it should be allowed to float. Do not lock it all the way back. This allows the roller carrier to float with inconsistencies in the surface.

15. Install the black "L" shaped hose guide bar, in the hole in the front right corner of the chassis, so it is parallel to the front of the machine. This keeps the hose from being damaged from the right front wheel.



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## ROLLER AND MANDREL ASSEMBLY

1. Remove the mandrel nuts from each end of the mandrel.
2. Slide one 4" roller (or if purchased, a 2" or 3" roller) onto the mandrel.
3. Choose which discs you will use. They are labeled appropriately (CONCRETE or ASPHALT) for the surface you will be marking. The discs may have a protective plastic film that will need to be peeled off before installation.

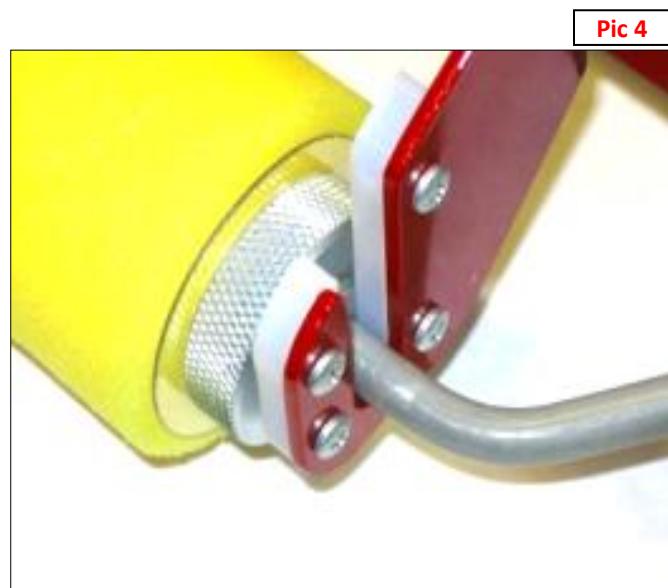
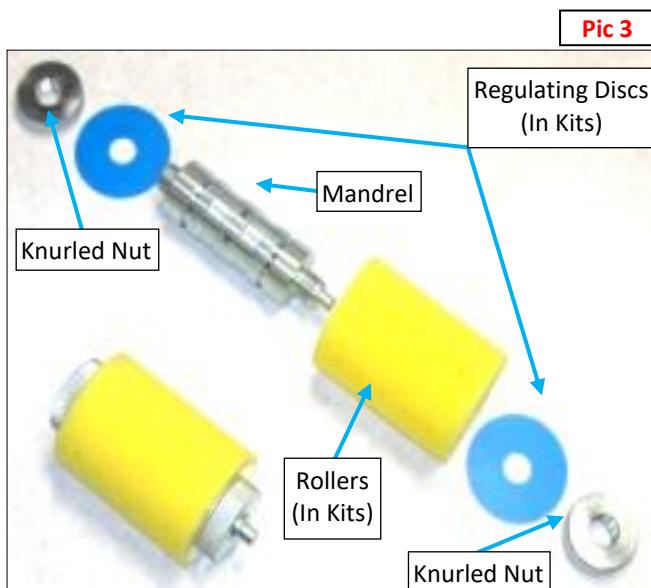
**NOTE:** The discs ride on the surface to help regulate the amount of paint the roller applies. Concrete discs allow less paint to be applied and should be used for concrete and all other smooth surfaces. Asphalt discs allow more paint to be applied to fill rougher surfaces.

4. Install one disc on each end of the mandrel. Each disc will be flush against one end of the roller and seal the mandrel when the knurled nuts are tightened.
5. If you are using a 4" roller, ignore this step. 2"

and 3" roller kits have included bushings and different discs than 4" rollers that must be used. Install the 2" or 3" roller on the mandrel, followed by one disc, and then one plastic bushing on each end of the mandrel. The bushings hold the disc against the roller and seal the mandrel when the knurled nuts are tightened.

6. Install the mandrel nuts on each end of the roller.
7. Lubricate the end of the mandrel tube with the washer and O-Ring with a light coating of grease. Insert that end of the mandrel tube into the open end of the mandrel.
8. Place the mandrel, with the roller and mandrel tube into the J-Yokes of the roller carrier.

**NOTE:** The washer of the mandrel tube will be on the inside of the left J-Yoke. The open end of the mandrel tube will be toward the machine chassis. The mandrel should slide up and down in the J-Yokes freely.



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## PAINT HOSE INSTALLATION

1. Place the provided paint pail lid onto the 5 gallon pail and then place the pail on the back of the chassis between the handle assembly and the pail retainer. Install the longer end of the dip tube through the hole in the paint pail lid.
2. Open the pump trough by placing your thumb on the trough pin (circled in yellow) and your fingers against the side of the battery cover and then squeeze them together. The trough will click and lock open. (Pic 5)



3. The paint hose has a short end and a long end, which are measured from the red bead. Using this information, install the paint hose as outlined below.

- The red bead is directly above the pump trough eyebolt.
- The short end of the hose is above the red bead.
- The long end of the hose is below the red bead.

4. Close the trough by pulling out on the black trough release knob, while slightly squeezing the trough as if opening it. Let the trough snap shut and then release the black release knob. Check to make sure that the paint hose is directly under the black pump rollers and not pinched between sides of trough.
5. Push the short end of the hose onto the open end of the dip tube. (Pic 6)
6. Push the long end of the hose onto the open end of the mandrel tube. (Pic 7)



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## OPERATION

1. The area to be striped should be swept clean of all debris. Clean up any fluids such as oil with a strong detergent.
2. Set a properly mixed 5-gallon pail of paint on the chassis. Remove the lid of the paint pail and replace it with the lid that came with the machine.
3. Push forward on the carrier lifting lever so that the roller is off the ground. Push the paint trigger button on the handle. You should see dots of paint begin to appear on the roller shortly after activating the trigger.
4. Lower the roller on some scrap or on an existing paint line by pulling back on the carrier lifting lever. Do not lock the lever all the way back. This allows the roller carrier to float with inconsistencies in the surface to be painted.
5. The Roller Cover must be saturated with paint before a solid painted line will appear on the surface. Roll the machine forward while continuing to operate the paint trigger until the roller is saturated.
6. Release the paint trigger button 2'- 3' from the end of the line and allow the paint in the roller run out. This will give a clean end to the line and prevent dripping when the roller is raised.

**NOTE:** The machine is designed to deliver paint for a 4" line at a slow constant walking speed. If the roller cover becomes over saturated with paint, release the trigger button for a short period of time. Continue rolling forward to allow the excess paint to transfer from the roller cover onto the surface area. Push the trigger button again when the roller cover requires additional paint. This practice called feathering, will be required when the operator is striping a 2" or a 3" wide line.

Your machine is designed to be simple and safe to operate.

Please call **Newstripe** at **303-364-7786** if you have any questions during setup, painting, or cleaning.



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## OPERATIONAL NOTES

- **DO NOT** use solvent or oil-based paints. Use of solvent or oil-based paints may damage the roller cover and hose. Use water-based paints only. Two-part, water based epoxy paint with a pot life greater than 1 hour may be used. All other epoxy paint should be avoided.  
**NOTE:** Paints that dry faster than 10 minutes are not recommended. Newstripe Fast Dry Paint is suitable for use in this machine. We recommend only using water-based traffic paints, as they are easier to clean up and do not "lift" new asphalt surfaces.
- **DO NOT** overthin the paint. If you must thin the paint, you would normally not thin it more than 4 ounces (1/2 cup) per gallon.  
**NOTE:** Most paints can be used without thinning, however, some paints will flow better and give you better results with some thinning. Cooler temperatures or rough surfaces may also require some thinning to improve the appearance of the painted line.
- **ALWAYS** follow the paint manufacturer's recommendations for best results.
- **NOTE:** The mandrel and roller should slide up and down freely in the J-Yokes with a side clearance of not more than 1/32". Proper clearance was set at the factory, but it may be necessary to spread the sides of the roller carrier assembly to regain this clearance.
- **ALWAYS** keep the J-Yokes clean. The mandrel and roller should roll freely in the J-Yokes. If not, make sure that the J-Yokes are clean and apply a light film of grease to the short end of the mandrel tube and O-Ring.
- The roller must be saturated with paint before a solid painted line will be transferred onto the surface to be painted. It is recommended that you saturate the roller as detailed in the operation instructions.
- If the roller becomes oversaturated with paint, release the paint trigger button for a short period of time. Continue rolling forward to allow the excess paint to transfer from the roller onto the surface area. Push the paint trigger button again when the roller requires additional paint. This practice is called feathering and will be required when the operator is striping a 2" or a 3" line.
- Releasing the paint trigger button when you are 2-3 feet from the end of the line will allow you to finish with a clean crisp line end, without puddling.
- **ALWAYS** move at a slow constant pace for nice, even line edges.
- **ALWAYS** cover the mandrel and roller with plastic wrap to prevent them from drying out, when stopped for prolonged periods.

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## CLEANING PROCEDURE

1. When you are finished striping, open the trough and then roll the machine forward with the roller contacting a dry painted line to transfer any excess paint out of the roller cover.
2. Remove the end of the paint hose from the dip tube. Keep the hose upright to avoid dripping paint.
3. Squeeze the paint hose out through the side of the trough eye bolt. Remove the paint hose, mandrel tube, mandrel, and roller cover from the machine.
4. Set the mandrel tube and paint can tube aside for cleaning.
5. Remove one knurled nut and regulating disc from the mandrel and then slide the roller cover off and discard it. Remove the second knurled nut and regulating disc from the mandrel. Discard the regulating discs and the paint hose.
6. Clean the mandrel, knurled nuts, mandrel tube, and paint can tube with warm soapy water for future use. **DO NOT** throw away the mandrel, mandrel nuts, paint can dip tube, or mandrel tube.  
**NOTE:** Always use warm soapy water to clean up. **DO NOT** use petroleum-based cleaners or thinners with water-based paint, as they will react with the paint and make it difficult to clean the parts.
7. Apply a light coat of spray oil to all moving parts.

## TROUBLESHOOTING GUIDE

PROBLEM	REMEDY
Paint is not getting to the roller, or too little paint is getting to roller.	<ol style="list-style-type: none"><li>1. Make sure the trough is closed on the paint hose without pinching it.</li><li>2. Check the paint hose for a kink. If the hose is kinked, open the trough and rotate the hose to unkink it. Replace the hose if necessary.</li><li>3. Check that the pump rotor is turning when pushing the paint trigger button. If it is not, check the battery and charge if needed.</li><li>4. Check that all pump rollers spin freely. If not, clean the rollers of debris or paint and lubricate them with a light oil.</li><li>5. Check to see if your paint is "Set Fast" or "Fast Dry." <b>These paints are not recommended and require thinning, which may cause the paint to dry slower, or may diminish the overall line quality.</b></li></ol>
Painted line is solid on one side, but light or skipping on the other side.	<ol style="list-style-type: none"><li>1. Check that the mandrel is not binding and moves up and down freely in the J-Yokes. Adjust the J-Yokes if needed. Clean any debris or paint off of the J-Yokes.</li><li>2. If the mandrel is riding up on the mandrel carrier sides, grease the mandrel tube end and O-Ring.</li></ol>
Painted line has heavy ridges on the edges or excessive paint.	<ol style="list-style-type: none"><li>1. Make sure that you are using the proper regulating discs.</li><li>2. Periodically release the control lever every few feet during striping to avoid oversaturating the roller cover.</li></ol>
Paint line skips across the width of the roller.	<ol style="list-style-type: none"><li>1. Make sure that the mandrel and roller cover are rolling freely. If not, grease the mandrel tube end and O-Ring. Make sure the J-Yokes are clean.</li></ol>

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## PARTS LIST

Item	Description	Part Number
#1	Battery Cover	10004657
#2	Chassis	10004656
#3	Flat Free Wheel Assembly (4)	10004705
#4	Handle Support Braces (2)	10004659
#5	Handle (Bare w/ Grips)	10003587
#6	Paint Pail Lid	10003098
#7	Paint Pail Dip Tube	10003590
#8	Paint Hose (5-Pack)	10003661
#9	Paint Trigger Harness	10004532
#10	Paint Trigger Switch	10004530
#11	Paint Trigger Switch Boot	10004531
#12	Roller Carrier Lifting Lever	10003583

Item	Description	Part Number
#13	Roller Carrier Lifting Rod	10003586
#14	Roller Carrier	10004191
#15	Mandrel w/ Nuts Kit	10004642
#16	Mandrel Tube	10000648
#17	Mandrel Tube O-Ring	10000027
#18	Hose Guide	10003588
#19	Trough Lock Pin Kit	10000671
#20	Trough Assembly Complete	10000652
#21	Pump Rotor Assembly	10003660
#22	Battery Charger	10002847
#23	Pump Motor	10003061
#24	J-Yoke (2)	10004023

**3-Pack Replacement Roller Kits include 3 roller covers, 1 paint hose, 6 asphalt discs, & 6 concrete discs:**

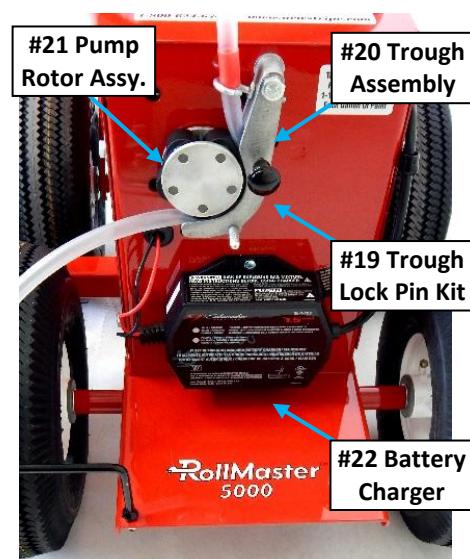
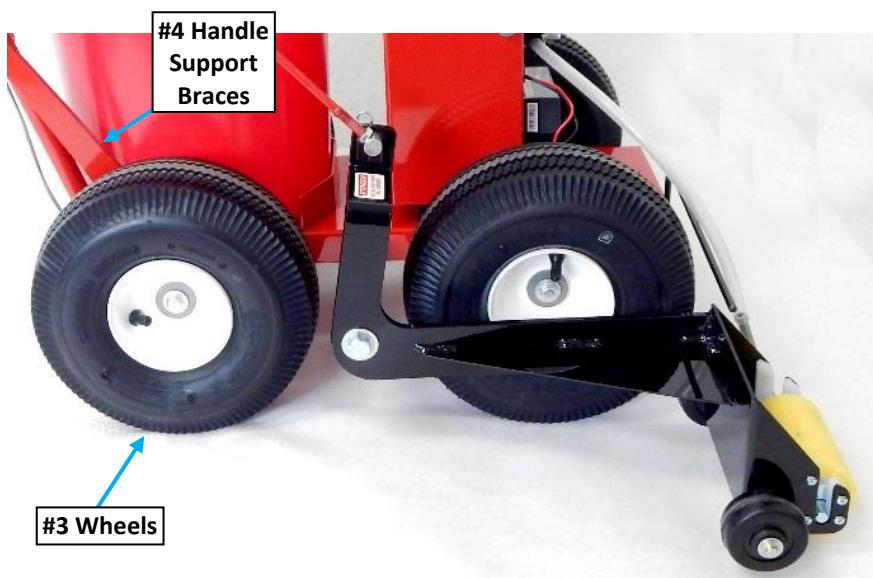
- 4" Replacement Roller Kit (10004380)
- 3" Replacement Roller Kit (10004381)
- 2" Replacement Roller Kit (10004382)

**12-Pack Replacement Rollers include 12 roller covers, 24 asphalt discs, & 24 concrete discs:**

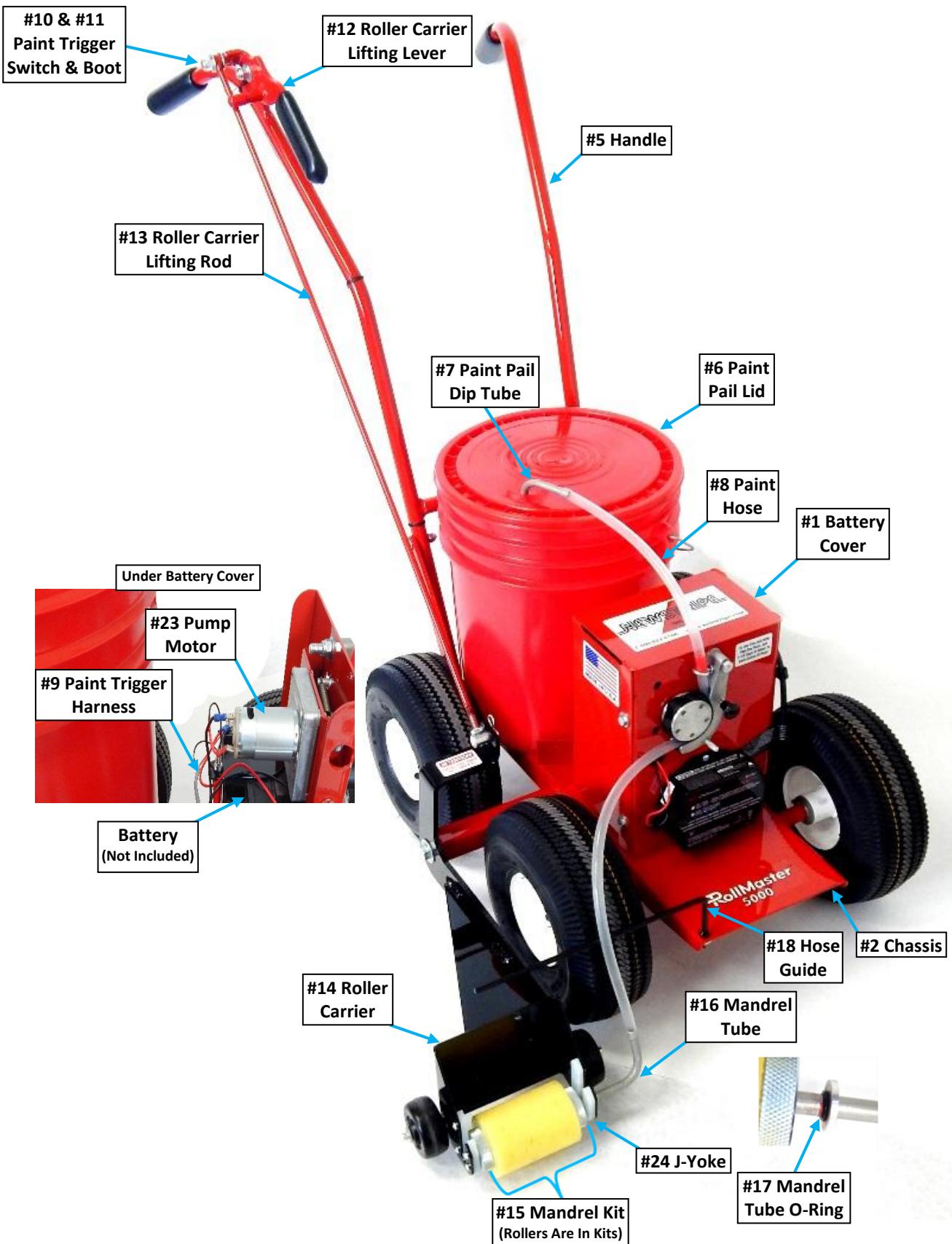
- 4" Replacement Rollers and Discs (10000728)
- 3" Replacement Rollers and Discs (10001461)
- 2" Replacement Rollers and Discs (10000729)

**5-Pack Replacement Hoses (10003661)**

**NOTE: The Paint Pail Dip Tube and the Mandrel Tube are not supplied with the replacement roller kits.  
Do not discard them.**



# RollMaster™ 5000 Line Painting Machine



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**10003068**

## **18 Month Warranty**

Newstripe, Inc. ("Newstripe") warrants to the original purchaser, for 18 (Eighteen) Months after date of purchase, that the equipment\* hereby sold shall be free of defects in materials and workmanship. This warranty does not extend to any damage or malfunction resulting in misuse, neglect, accident, improper operation, or normal wear and tear.

\* Gasoline engines, compressors, low pressure pumps, and transaxles are furnished with their respective manufacturers' warranties only and are not covered by any warranty of Newstripe. High pressure pumps manufactured by Newstripe (excluding wear items like diaphragms and valves) are warrantied for materials and workmanship for 12 Months after the date of purchase.

Damage incurred in shipment from Newstripe to the purchaser is the total responsibility of the shipping carrier. The purchaser is responsible for noting any damages on the Bill of Lading of the shipping carrier and Newstripe will work with the shipping carrier to resolve any damages incurred.

The Newstripe obligation under this warranty and any implied warranties is limited to replacement or repair of defective parts of its manufacture without charge for 18 (Eighteen) Months from date of purchase. For service under this warranty, the purchaser shall obtain an approved Return Materials Authorization (RMA) from Newstripe and then ship the defective part or parts of the equipment, transportation prepaid by the purchaser, to Newstripe together with a written description of any claimed defect and proof of purchase date of the materials being returned. To review Newstripe's complete guidelines for warranty claims and returns, please visit our website at [www.newstripe.com](http://www.newstripe.com).

The responsibilities described above are the only responsibilities of Newstripe under this written warranty or any implied warranty and may be exercised only within 18 (Eighteen) Months from the date of original purchase. In no event shall Newstripe be liable for incidental or consequential damages and no person had any authority to bind it to any representation or warranty. Newstripe is not responsible for work done, materials furnished, or repairs made by others without its specific written authorization.

This warranty shall be in lieu of any and all other warranties, expressed or implied, including any warranties of merchantability or fitness for a particular purpose, and there is no other representation or warranty of any kind with respect to the goods sold hereby except as set forth herein. It is expressly agreed that this warranty shall be limited to the adjustment, repair or replacement of parts and the labor and services required thereby. In no event, including any claim of negligence, shall Newstripe be liable for incidental or consequential damages.



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