RollMaster™ 5000 Product Manual





1700 Jasper St., Unit F, Aurora, CO 80011 T 800.624.6706 F 303.364.7796 • Newstripe.com
RollMaster™ 5000 Manual / 3068.0822

ALWAYS wear safety goggles or protective eye-wear when operating the unit!

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Thank you! For your purchase of the Newstripe RollMaster™ 5000 Striper.

Please read over the instructions and make sure you understand 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 manual

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PRECAUTIONARY WARNING!

- Please read and understand all operation instructions as detailed in this manual. Failure to follow specified instructions may result in equipment damage or serious injury to person.
- Use only in well-ventilated area.
- Keep away from sparks and flame No smoking.
- Wear appropriate personal protective equipment.
- Always consult your Facility Safety and/or Personnel Department for specified safety protocols prior to operating this equipment.
- Paint and all foreign matter should be kept away from the pump and trough. It is especially important that pump rollers always be clean and greased with every use.
- **NEVER** use fuels to clean the equipment.
- DO NOT use brushes with metal bristles or any metal object to clean any part of the RollMaster™ 5000.
- The Paint pail dip and Mandrel Tube (in Roller Assembly), Mandrel, and Knurled Nuts are permanent parts of the machine. NOTE: These parts must be cleaned after every use and are not supplied with the Roller Hose Replacement Kits.



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Your RollMaster™ 5000 box should include

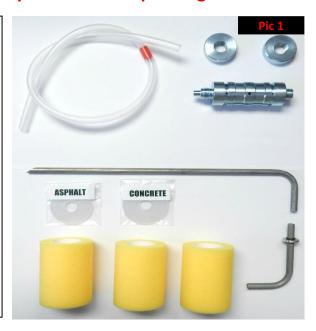
- Chassis Assembly
- Handle Assembly With Roller Carrier Lifting Rod
- 5-Gallon Pail With Lid

Inside Your Pail:

- Pail Dip Tube
- 4" Roller Kit Containing Three 4" Rollers With Asphalt & Concrete Discs, And A Paint Hose
- Owner's Manual
- Hose Guide To Keep The Paint Hose Off The Wheel

Inside Parts Box:

- Roller Carrier
- Mandrel With Knurled Nuts
- Mandrel Tube



Required Items and Tools (Not Included): You will need to purchase one **18ah SLA**, motorcycle battery with dimensions of 6-7/8" L x 3-7/16" W x 6-1/8" T. This may be purchased at most major discount stores or auto parts dealers.

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

18ah SLA Batteries for RollMaster 5000

These are high performance factory activated permanently sealed spill proof 18 amp hour SLA deep cycle motorcycle batteries .The battery dimensions are: 6-7/8" L X 3-7/16" W X 6-1/8" H.

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 bags. The major components are held together with ¼" diameter bolts in ¾" 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, but **do not completely tighten**. Note: There are no washers on the outside of the handle assembly.
- 4. Swing the handles into the 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.

<u>Install the positive side first when installing</u> <u>connections.</u> Pictures for wiring are shown in Pic 2.

- 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 red tape marker) from the paint trigger harness to the bottom post of the pump motor. (Marked with a red dot)





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ASSEMBLY CONTINUED

- 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.
- 10. Activate the paint trigger. The motor should rotate the roller pump in a clockwise direction as you face the machine. Please call the factory 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 the 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.
- 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.



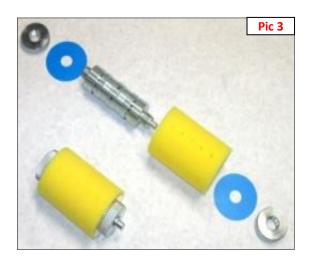
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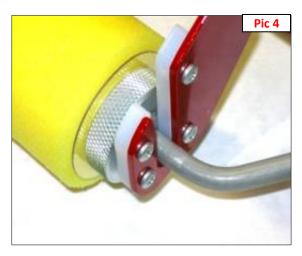
ROLLER AND MANDREL ASSEMBLY

- 1. Remove the mandrel nuts from each end of the mandrel.
- 2. Slide one 4" roller (or if purchased, a 2" and 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.
- **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. **Note:**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.



- 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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INSTALLING THE PAINT HOSE

1. Place the provided 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 of the paint lid.

- 2. Open the pump trough shown in by placing your thumb on the trough pin (circled in yellow) and your fingers against the side of the battery shroud and then squeezing 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 <u>out</u> on the black release knob on the trough 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)





Pic 5



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OPERATION

PAINT

Suggested paints are Latex (Water Base) or Alkyd (Oil Base). These are typically sold under names like Traffic or Floor marking paints. Standard traffic paint may typically say, "Dry to the touch in 10-20 minutes. Allow 2-3 hours for complete drying".

Two part, water based epoxy paint with a **pot life greater than 1 hour** may be used. All other epoxy paint should be avoided.

Most paints may be used without thinning. Some paints may "flow" better and be easier to use if thinned. Cooler temperatures (50-65 degrees) may also require paint thinning. Normally, no more than 4 ounces (1/2 cup) per gallon is required. On rough surfaces, thinning will also improve the appearance of the line. Follow the paint manufacturer's instructions for best results.

PREPARATION

The area to be striped should be swept clean of all debris and if cleaned of any fluids such as oil, with the use of a strong detergent.

GETTING STARTED

Set a 5 gallon pail of paint on the chassis. Remove and replace the lid of the paint pail, and then install the lid that came on the pail with the machine. Insert the long "L" shaped aluminum dip tube in the hole of the lid. Note: You may have to rotate the lid so that the paint hose reaches the short end of the paint hose. Attach the short end of the paint hose to the open end of the dip tube. You are now ready to begin painting.

OPERATION

Push forward on the carrier lifting lever so that the roller is off the ground. Activate the paint trigger. You should see dots of paint begin to appear on the roller shortly after activating the trigger. Lower the roller on some scrap cardboard or on an existing paint line. Roll the machine forward while continuing to operate the paint trigger until the roller is saturated.

The pumping mechanism is designed to sufficiently deliver paint for a 4" line at a slow walking speed. If the roller cover becomes oversaturated 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" line.



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OPERATIONAL NOTES

- **DO NOT** use lacquer based or FAST DRY paints. Use of lacquer based paints will damage the roller cover. Do not use epoxy paints except for the ones listed under the **PAINT** paragraph of the **OPERATION** section.
- Our definition of "Fast Dry" paints is those that are ready for traffic in 30 minutes.
- **DO NOT** over thin the paint.
- The Mandrel and Roller Cover should slide up and down freely in the J-Yokes with side clearance of not more than 1/32". Proper clearance was set at the factory, but it may be necessary to spread the side plates on the roller carrier regain this clearance.
- The Mandrel and Roller Cover Roller should roll freely in the J-Yokes. If not, lightly oil the short end of the Mandrel Tube and the O-Ring.
- Most paints can be used without thinning. However, some will "flow" better and may need to be thinned for easier use.
- Cooler temperatures (50-65 degrees) may also require paint thinning. Normally, no more than 4 ounces (1/2 cup) per gallon is required. **Fast Dry paints are not recommended** (Fast Dry paints are those that are "no pick up" in 30 minutes or less). On rough surfaces, thinning will also improve the appearance of the line.
- Follow the paint manufacturer's instructions for best results.
- If the roller cover becomes oversaturated with paint, release the paint trigger for a short period of time and continue rolling forward to allow excess paint to transfer from the roller cover to the surface area. Squeeze the trigger again when roller cover requires additional paint. This practice, called feathering, will be required when the operator is striping a 2" or 3" line.
- Releasing the trigger when you are 2-3 feet from the end of the line will allow you to finish with a clean and crisp end without puddling.

HELPFUL TIPS

- The Roller Cover must be saturated with paint before a solid painted line will appear on the painting surface. It is recommended that you saturate the Roller Cover as per the operation instructions.
- We recommend that you use water-base traffic paints as they are easier to clean up and do not "lift" new asphalt surfaces.
- Paint should be at least room temperature for proper operation. In colder climates, the flow of paint can be
 restricted because the paint becomes too thick. Make sure the paint is thin enough for the pump to pull the
 paint from the can and through the passageways of the Mandrel. If the paint is not thin enough, you will not
 get a solid line and the edges of your line not appear crisp.
- When stopping for prolonged periods without use, cover the Mandrel and Roller Cover in plastic wrap to prevent it from drying out.
- The machine works better if the operator moves at a slow constant pace for nice even edges.
- **Helpful Hint:** Release the paint trigger 2'- 3' from the end of the line and let the paint in the roller 'run out'. This will give a clean end to the line and prevent dripping when the roller is raised.



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CLEAN UP

When you are finished striping, remove the mandrel with the roller cover, mandrel tube, and hose from the RollMaster™ 5000. This is done by opening the trough as described earlier. Remove the end of the hose attached to the paint pail tube, making sure the end of the hose is kept upright so not to drip any paint. Remove the hose from side of eyebolt and lift hose, mandrel tube and mandrel together off machine. This prevents any paint coming in contact with the pumping mechanism, which assures the owner of the RollMaster™ 5000 a clean, long lasting piece of equipment. Helpful Hint: Use a 2lb. coffee 'can' or similar container to place the hose & mandrel assembly in for transporting to a sink for cleanup.

The mandrel, tube assemblies, and the roller then can be washed out in a solvent, paint thinner or soapy water for future use. If you desire, the hose and roller cover may be tossed away and a fresh, inexpensive, replacement kit can be purchased from your dealer or Newstripe.

TROUBLESHOOTING GUIDE

PROBLEM	REMEDY
Paint not getting to the roller or too	Make sure the trough is closed.
little paint getting to roller.	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.
	3. Check that the pump drive wheel is contacting rear wheel when the control lever is pulled. If it is not, adjust the cable at the frame.
	4. Check that all pump rollers spin freely. If not clean the rollers of debris or paint, and lubricate them with a light oil.
	5. Check to see if your paint is "Set Fast" or "Fast Dry". These paints are not
	recommended and require thinning, which may cause the paint to dry
	slower, or may diminish the overall line quality.
Painted line is solid on one side, but	1. Check that the mandrel moves up and down freely in the J-Yoke and is
light or skipping on the other side.	not binding. Adjust the J-Yokes if needed. Clean any debris or paint off of the J-Yokes.
	2. If the mandrel is riding up on the mandrel carrier sides, grease the mandrel tube end and O-Ring with a light oil.
Painted line has heavy ridges on	1. Make sure that you are using the proper regulating discs.
edges or excessive paint.	2. Periodically release the control lever every few feet during striping to
	avoid oversaturating the roller cover.
Paint line skips across width of	1. Make sure that the mandrel and roller cover are rolling freely. If not,
roller.	lubricate the O-Ring end of mandrel tube and the mandrel tube O-Ring.

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

If you have any questions during setup, painting or cleaning, please call us! 1-800-624-6706



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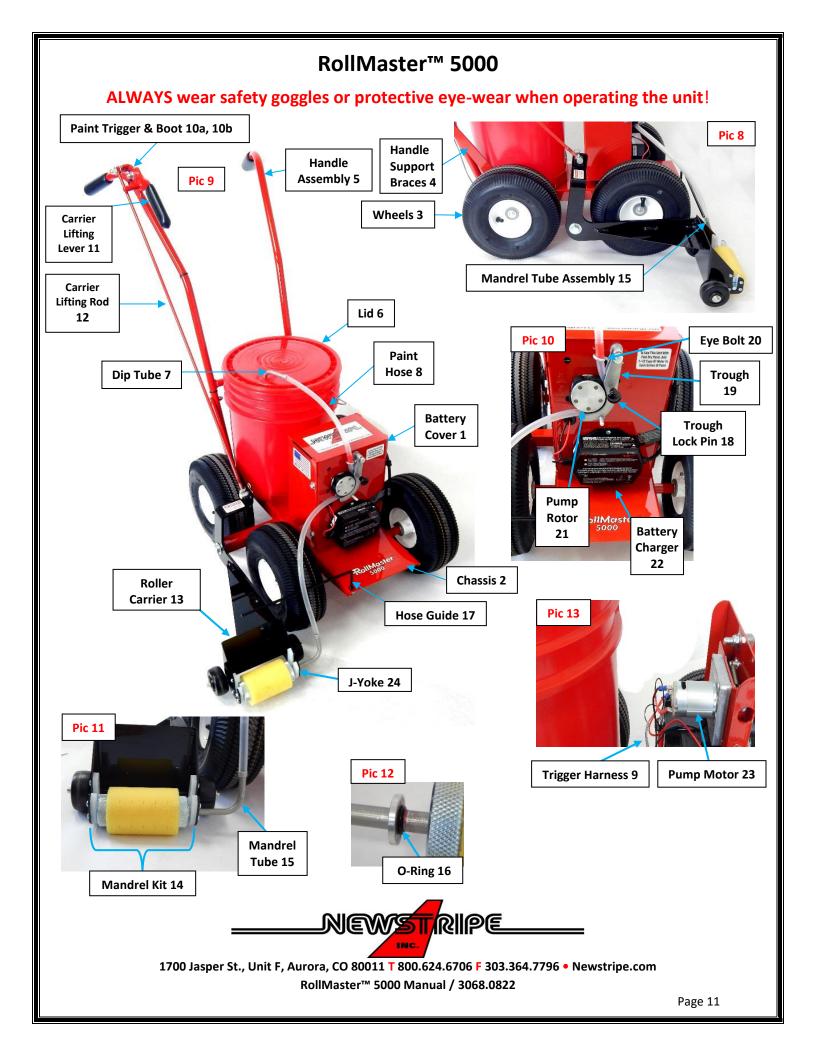
REPLACEMENT PARTS LIST

<u>ITEM</u>	DESCRIPTION	PART NUMBER
1	Battery Cover	10004657
2	Chassis	10004656
3	Wheels	10004705
4	Handle Support Braces (2 Required)	10004659
5	Handle Assembly	10003587
6	RollMaster™ 5000 Lid	10003098
7	Dip Tube, Paint Pail	10003590
8	Paint Hose (Package of 5)	10003661
9	Trigger Harness	10004532
10a	Paint Trigger	10004530
10b	Paint Trigger Boot	10004531
11	Carrier Lifting Lever	10003583
12	Carrier Lifting Rod	10003586
13	Roller Carrier	10004191
14	Mandrel Kit (Mandrel With Two Knurled Nuts)	10004642
15	Mandrel Tube	10000648
16	Mandrel Tube O-Ring 3/8" ID x 1/32" Thick	10000027
17	Hose Guide	10003588
18	Trough Lock Pin Kit (Pin, Spring, and Knob)	10000671
19	Trough	10000700
20	Eyebolt w/ Nut	10000726
21	Pump Rotor Pump Assembly	10003660
22	Battery Charger	10001332
23	Pump Motor	10003061
24	J-Yoke	10004023

** NOTE: Paint Dip Tube and Mandrel Tube are not supplied with the roller hose replacement kits.**

4" Replacement Roller Kit (1 Roller cover, paint hose and 4 discs)	10003607
3" Replacement Roller Kit	10003608
2" Replacement Roller Kit	10003609
4" Replacement Roller covers only (Package of 12 covers & 24 discs)	10000728
3" Replacement Roller covers only please specify concrete or asphalt	10001461
2" Replacement Roller covers only	10000729





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THE NEWSTRIPE WARRANTY – 18 MONTH

NEWSTRIPE, INC., 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 FROM MISUSE, NEGLECT, ACCIDENT, IMPROPER OPERATION, OR NORMAL WEAR AND TEAR.

Damage incurred in shipment from Newstripe, Inc. to the customer is the total responsibility of the carrier. The CUSTOMER MUST NOTE DAMAGES on the Bill of Lading of Trucking Company or Railroad; and Newstripe, Inc. will furnish to the customer the cost or parts and labor. The customer can then bill the common carrier for the damages by placing his signature on the documents.

The Newstripe, Inc. 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, buyer shall ship the defective part or parts of the equipment, transportation prepaid, to Newstripe, Inc. together with a written description of any claimed defect and proof of purchase date of the materials being returned. **Prior to retuning any part or machine, the CUSTOMER must obtain a Return Materials Authorization number. Call 1-800-624-6706.**

*Gasoline engines, compressors, pumps (including airless) and Transaxles are furnished with their respective manufacturer's warranties only. Such components are not covered by any warranty of Newstripe, Inc. Where Newstripe elects to extend manufacturers' warranties, the warranty shall be pro-rated as to cover 100% of the cost to replace or repair materials and parts for the first 12 months of ownership and 60% for the remaining 6 month period.

The responsibilities described above are the only responsibilities of Newstripe, Inc. under this written warranty or any implied warranty, and may be exercised only within 18 (Eighteen) months from the date of purchase. In no event shall Newstripe, Inc. be liable for incidental or consequential damages and no person had any authority to bind it to any representation or warranty, not be 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 FOR NEGLIGENCE, SHALL NEWSTRIPE, INC. BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Sincerely, **Newstripe**, Inc.



