

## MODEL LT LIGHT TRUCK TIRE VULCANIZER

### OPERATING INSTRUCTIONS

Congratulations on your purchase of the L.M.C. Model LT light Truck Tire Vulcanizer. This vulcanizer has been carefully engineered and thoroughly tested to give you the highest level of performance possible. We encourage your thoughts and recommendations in a continuing effort to upgrade our products. You may contact us at 1-800-221-4109 between 8:00 am - 3:30 pm Eastern Standard time Monday thru Friday with any questions.

#### ASSEMBLY

Your Model LT comes in (1) carton. Any additional cartons will contain an optional contour plate package or a stand to hold your spotter and tire. The following steps need to be performed to mount the Model LT onto the optional stand if the stand was purchased. See the Model LT stand instructions for assembly of the stand. To mount the vulcanizer to the stand install bushings into each hole in back leg of LT frame. Put 3/4" bolt through bushings with threads of bolt coming out back of frame. Install stand bracket part number T238 onto bolt, place bronze washer on bolt then install nut. Tighten nut just enough so that vulcanizer will sit horizontally on its own, but not so tight that the frame will not rotate.

#### SYSTEM REQUIREMENTS AND SPECIFICATIONS

Air pressure is preset at the factory however, pressure is fully adjustable to a maximum of 70 psi. Electrical requirement is 8 amps at 120 volt or 5 amps at 240 volt. The Model LT is designed to repair tread, shoulder and sidewall areas of passenger and light truck tires listed are meant only as a guide around which to base your expectations.

#### IMPORTANT HINTS AND GENERAL SPECIFICATIONS

The Model LT vulcanizer comes equipped with two (2) solid heat units T023 and one (1) air cylinder with silicone rubber heating pad (air pad T055, air seal T062 and air cylinder cup T065). The two (2) solid heating units are used when making either a tread or a shoulder area repair. When making a repair in the sidewall area of the tire, one (1) solid heating unit is used on the inside of the tire and the air cylinder with the silicone rubber heating unit is used on the outside of the tire. Note when using the silicone rubber heating unit, you must also use a solid heating unit. The silicone rubber heating unit does not have sufficient wattage to do a repair by its self.

#### TREAD TIRE REPAIRS

- 1 Locate the extension shaft (T229) and install into hole provided in back leg of the vulcanizer frame. On some tires you will have to install detent style pin (T192) after heating unit and contour plate are inside tire.
- 2 Locate one of the two solid heating units (T023) and secure into hole provided in the end of the extension shaft (T229). Install detent style pin to lock heating units to extension shaft.
- 3 Locate the other solid heating unit and install into end of the handwheel and pressure screw telescoping assembly (T230). Lock into place with the detent style pin provided.
- 4 Locate the contour plate marked with number 48, install this plate on the heating unit that is mounted to the extension shaft. Secure contour plate with thumb screws provided. Locate the contour plate marked with the number 49, install this plate onto the heating unit mounted on the telescoping assembly. Secure with thumb screws provided.
- 5 Maneuver the vulcanizer to a horizontal position, move so that inside heat unit is inside the tire. Now lock extension shaft with detent style pin. Using the TWIST & LOCK feature of the handwheel and pressure screw assembly slide the assembly as close as possible while making sure lock is engaged. You can now tighten firmly. Plug the vulcanizer into a grounded outlet and the heat units will start to heat up. After the repair is cured unplug the vulcanizer and remove from tire.

**REMEMBER THE HEATING UNITS AND THE CONTOUR PLATES WILL BE VERY HOT.**

#### SHOULDER REPAIR

Follow steps 1 through 3 as listed in tread repair.

- 4 Locate the appropriate contour plate for the inside heating unit (T023) mounted on the extension shaft (T229). This plate will vary depending on the type of tire you are repairing. Choose the plate that best matches the shape of the inside of the tire in the area you are repairing. Secure the selected plate to the heating unit with the thumb screw provided. Locate the contour plate marked with the number 55. Secure to other heating unit with thumb screw provided. Follow step 5 as listed above for tread repair.

#### SIDEWALL REPAIRS

Ignore step one (tread repairs) as the extension shaft (T229) is not used for sidewall repairs. Follow steps two and three as listed above for tread repairs.

- 4 Locate the appropriate contour plate for the inside heating unit. This unit is attached directly to the vulcanizer frame. This will vary depending on the type of tire you are repairing. Secure the selected plate with the wing nuts provided. Remove the outside heating unit from the handwheel and pressure screw telescoping assembly. Locate and install the air cylinder assembly (T065) and secure in lieu of the solid heating unit.
- 5 Maneuver the vulcanizer to a horizontal position so the inside heating unit is inside the tire. Using the TWIST & LOCK feature of the handwheel and pressure telescoping assembly as close as possible while making sure the lock is engaged in one of the lock notches. Tighten the handwheel assembly snugly. **TIGHTEN HANDWHEEL BY HAND ONLY!!!** Attach the air line to vulcanizer, this will supply the pressure required to complete the repair. Plug in the electrical cord on the vulcanizer to start heating units. You must have both heating units plugged in and operating when using the air unit. The silicone rubber heating units does not sufficient wattage to repair on its own.
- 6 After you have made your repair, disconnect air line electrical cords. Remove vulcanizer from the tire.

**REMEMBER THE HEATING UNITS AND THE CONTOUR PLATES WILL BE VERY HOT.**

#### OVERVIEW

We at L.M.C. Van's Inc want to thank you for choosing LINCOLN brand vulcanizing equipment. If you have any comments or questions please feel free to contact us at 1-800-221-4109 or 810-679-2115 Fax: 810-679-2681.