



Super Lawn Technologies

MR-750™

Installation Instructions

Installation Video can be found at

www.superboxtruckramps.com/installation-guide

Password: Install



Super Lawn Truck, Inc.
1610 Peach Parkway " Fort Valley, GA 31030
(866) 923-0027 or sales@superlawntrucks.com
Updated November 11, 2020



Fast, Safe, and Easy

The MR-750 loading ramp for box trucks makes loading lawn equipment, tools or cargo fast, safe and easy.



One Person Operation

Spring-loaded, folding design allows anyone to quickly raise and lower the ramp.



Strong and Wide

Install 2 MR-750 ramps side-by-side for **1500 lb.** weight rating and 5 ft to 8 ft wide ramp platform.



Read this material before using this product

Failure to do so can result in serious injury.



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SUPER LAWN TRUCKS.

For technical questions or replacement parts, please call (866) 923-0027
Thank you for choosing a SUPER LAWN TRUCKS (SLT)

SAFETY WARNINGS AND PRECAUTIONS

WARNING: When using product, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this product!

1. **Keep work area clean.** Cluttered areas invite injuries.
2. **Do not exceed the product's maximum load capacity of 1500 lbs.** (750 lbs. per individual ramp).
3. **Observe work area conditions.** Keep work area well lighted.
4. **Use eye protection.** Always wear ANSI approved impact safety goggles during assembly.
5. **Make proper ground contact.** Only use on a flat, solid, dry surface capable of supporting the SLT Manual Ramp and its maximum capacity load of 1500 Lbs. (750 lbs. per individual ramp).
6. **Make certain that no persons or pets are under the Ramp or vehicle during loading.**
7. **Keep children away.** Children must never be allowed in the work area.
8. **Use the right product for the job.** There are certain applications for which this System was designed. Do not modify this System and do not use this System for a purpose for which it was not intended.
9. **Check for damaged parts.** Before using any product, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for any broken or damaged parts and any other conditions that may affect its operation. Replace or repair damaged or worn parts immediately.
10. **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Non-Skid footwear is recommended when assembling and when using this System. Wear restrictive hair covering to contain long hair.
11. **Do not force this product.** Do not use inappropriate attachments in an attempt to exceed this System's capacity.
12. **Prior to each use, clean dirt, oil, or any debris off the system.**
13. **Do not operate product if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the product.
14. **Be aware of dynamic loading!** If a weight drops onto or bounces on the Loading Ramp, it will create, for a brief instant, an excess load, which may result in damage to the Ramp, the vehicle and/or may result in personal injury.
15. **Tailgate must be able to support the Loading Ramp** and any vehicle or object loaded into the vehicle.



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16. **Do not operate product if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the product.
17. **Replacement parts and accessories.** When servicing, use only identical replacement parts. For technical questions, please call 1-866-923-0027
18. **Do not modify the ramp.** Modifications to the ramp voids all warranty and may dramatically impact the functionality of the ramp, decrease gas spring life, or weaken the strength of the product.

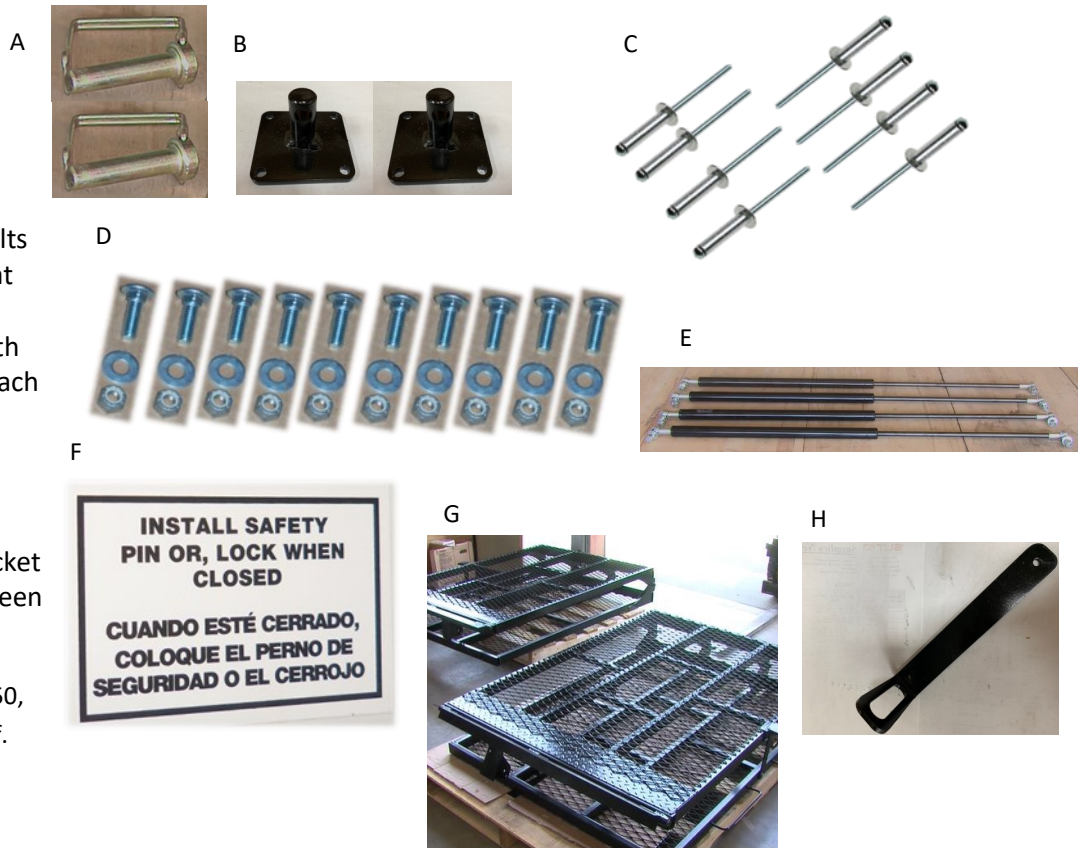
The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which must be adhered to at all times.

Please read these instructions before installing your SLT System.

Hardware:

- A. 2—Locking Pins
- B. 2—Locking Pin Plates
- C. 8— $\frac{1}{4}$ " Rivets
- D. 10— $\frac{5}{16}$ " x 1" Carriage Bolts with Square Head, $\frac{1}{4}$ " Flat Washers, $\frac{5}{16}$ " Lock Nuts
- E. 4—250 lb. Gas Springs with Nylock nuts attached to each end of strut
- F. 2—Safety Decals
- G. 2—Ramps with Hinges attached
- H. 1—Optional Latching bracket to minimize the gap between the two ramps

*Note: If you purchased 1 MR-750, this packing list will be cut in half.



Tools Required:

- I. 1—10 Snips to cut packaging
- J. 2— $\frac{1}{2}$ " Wrenches
- K. 1— $\frac{5}{16}$ " Drill Bit
- L. 1— $\frac{1}{4}$ " Drill Bit
- M. 1—Marker/Scribe/Punch to mark Steel
- N. 1—Tape Measure
- O. 1—Power Drill
- P. 1—Rivet Gun
- Q. 2—Large C-Clamps
- R. 1— $\frac{1}{2}$ " swivel head socket (for tight areas)
- S. Welding Equipment Suggested—Although not required, SLT suggests that ramp be spot welded to vehicle for additional safety



Unpacking

1. Your ramps will come packaged in a set of two (or one if single ramp is ordered). (Figure 1)
2. Using 10 snips, cut the black strapping around ramps and remove plastic wrap.
3. Separate the ramps and protect them from scratching finish by placing on cardboard or another pallet (Figure 2).



Figure 1

Caution: A single ramp assembly weighs 190-200 lbs. Always use 2-3 people to lift or use a forklift while installing to prevent injuries.

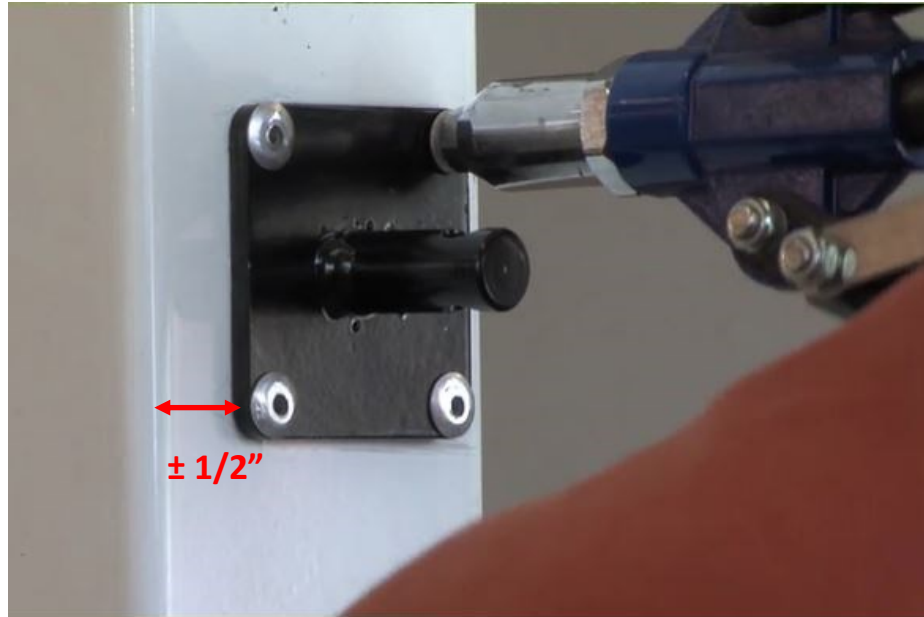
4. Inspect all pieces and parts and ensure all hardware is included in package.



Figure 2

Important:

Please remember when fitting your MR-750 ramp, it is necessary to have a minimum 2" gap between your two ramps in order for them to open correctly. Depending on your vertical door width, you may be able to adjust the locking pin plate up to 1/2" side to side for both ramps. It is important to minimize the gap for safety reasons but to ensure that it is at least 2".



How to Install

1. Depending on your body style, use the Hinge/Angle Brackets to align the ramps on your vehicle. Let the back half of the ramp remain on the ground at an 80 to 90 degree angle to the front half to help support the ramp in place while the hinge angle bracket is mounted (Figure 3)

CAUTION: A single ramp assembly weighs 190-200 lbs, Always use 2-3 people to lift or use a forklift while installing to prevent injuries.



Figure 3



Figure 4

2. The hinge/angle bracket should fit flush on the bottom of the rear door frame (Figure 4) and squarely against the rear portion of the rear door frame (Figure 5). Ramps must be placed so the Locking Pin Brackets align with the side door frame of your truck. This may require slight side to side adjustment to fit your rear door frame until you get the best location (Figure 6).



Figure 6



Figure 5

3. Lift the ramp into the Vertical Storage Position and verify locking pin bracket approximate location.*

*Rear door grab handles or tail lights could interfere with location of locking pin bracket. Typical installation places center of locking pin bracket on center of vertical rear door frame.

Caution: The edges of the ramp may be sharp, you should always wear leather gloves for safety while handling ramp.



Figure 7

4. After determining the proper location for each ramp allowing a minimum of two inches between ramps (Figure 7), completely mount each ramp one at a time. Do not try to mount both ramps at once.
5. Use the vice grip clamps to hold the ramp tightly to the vehicle's mounting area (Figure 8). If needed, place a block of hard wood in the back of the c-rail to give a solid area for the clamps to grip (Figure 9).



Figure 8



Figure 9

6. Mark and drill three $\frac{5}{16}$ " holes for the hinge/angle bracket (Figure 10). Drilling pilot holes of $\frac{3}{16}$ " and then $\frac{1}{4}$ " first will help in drilling the final $\frac{5}{16}$ " holes more easily and accurately.



Figure 10

7. Using $\frac{1}{2}$ " wrench, attach the hinge brackets to the vehicle with 3— $\frac{5}{16}$ " x 1" bolts for each hinge bracket (Figure 11). Tighten firmly but do not tighten completely until the lower spring bracket is drilled and bolted to the frame.



Figure 11

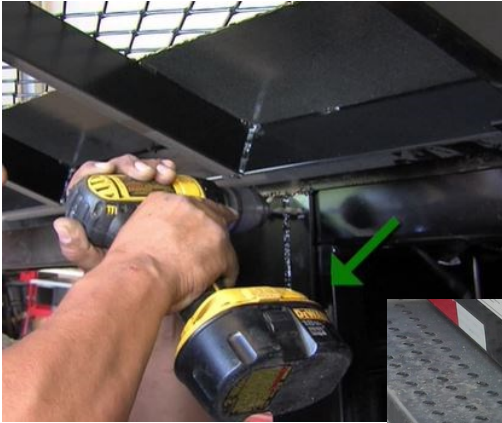


Figure 12



Figure 14

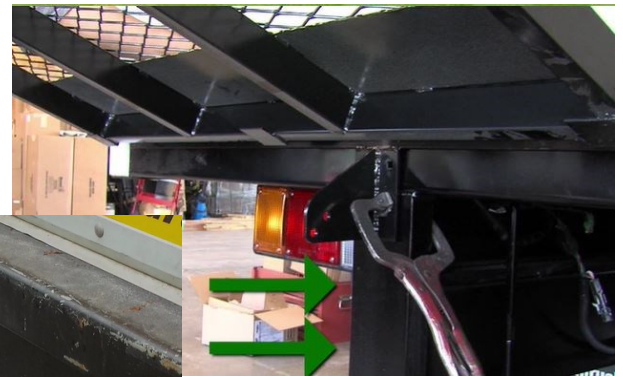


Figure 13

8. Mark and drill the same size holes for the lower spring bracket (Figure 12). It is very important the lower spring bracket lines up with the supported steel frame welded to the chassis and rear frame of the truck (Figure 13). If this support is not strong enough, it may have to be reinforced in order for the ramps to have a secure mounting location. Without this support the lower spring bracket could bend or break loose at this point (Figure 14).

9. Bolt the lower spring bracket to the frame using two $\frac{5}{16}$ " x 1" bolts and Nylock nuts provided (Figure 15).



Figure 15

10. With another person holding the ramp into the Vertical Storage Position, use marker to mark placement* for Locking Pin Plate (Figure 16).



Figure 16

***Note: Location of locking pin is critical. Misalignment can prevent the locking assembly from functioning. Double check the mounting pin plate location before riveting it into place.**

Ensure the hole in the center of the locking plate is vertical (Figure 17).



Figure 17

11. Using $\frac{1}{4}$ " drill bit, drill holes for the rivets* (Figure 18).

***Note: Use only $\frac{1}{4}$ " drill bit to drill the holes for the rivets. If the hole is too large, the rivets will not hold the bracket during transport.**



Figure 18

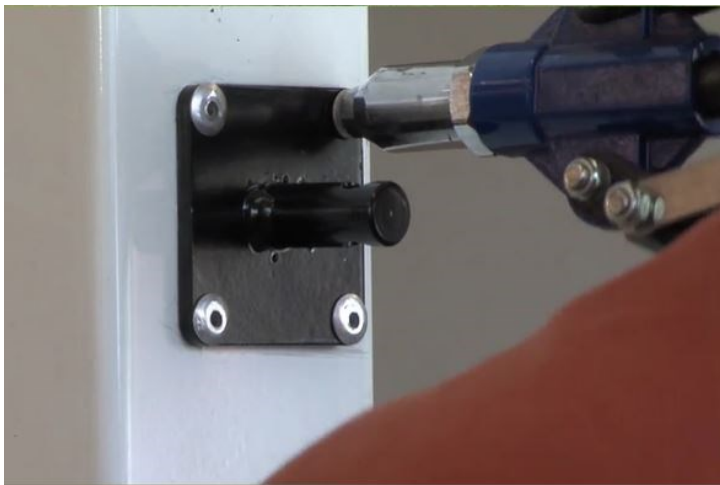


Figure 19

12. Attach the locking Pin Plate using the $\frac{1}{4}$ " Rivets (Figure 19).



Figure 20

13. Install the included safety decals on both sides of the vehicle near the Locking Pins (Figure 20).



Figure 21

14. Lock the front half of the ramp into place in the stowed position leaving the back half loose. With one person holding the back half of the ramp open, another can easily attach the two 250 pound gas springs provided for each ramp (Figure 21).

Figure 22



15. Install each gas spring with the stainless steel rod downwards using two $\frac{1}{2}$ " Wrenches. Install the first gas spring on the right side of the brackets using the upper holes on the Ramp and the upper hole on the Lower Bracket (Figure 22). Install the second gas spring on the left side of the brackets using the lower holes.

Note: Always keep this rod clean and protected and never paint the stainless steel part of the rod for any reason.

16. Ensure that all bolts are securely tightened on the entire assembly.
17. Repeat the process for the other side in a two ramp installation.

Note: Spot welding the hinge/angle and lower mounting brackets is recommended but not required for installation.

Installation is now complete



Operating Instructions

1. Remove locking pin (Figure 23)
2. Use handles to lift and walk away from truck (Figure 24)
3. Lower the ramp using legs instead of back



Figure 24

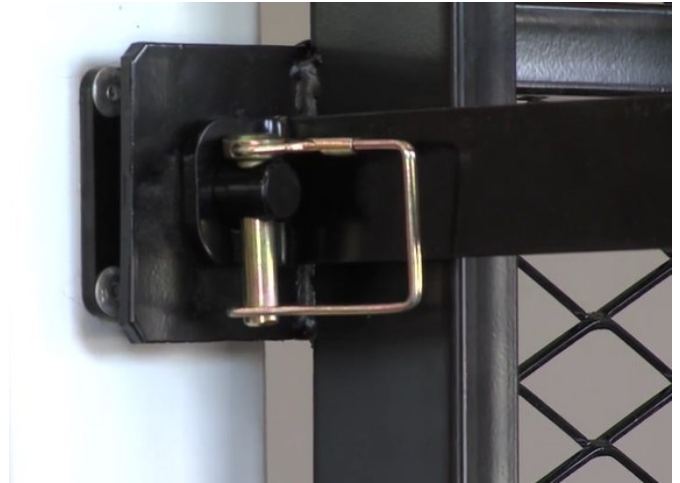


Figure 23

4. Do not drop or allow ramp to slam to the ground
5. The max load for each ramp is 750 lbs.

6. 3 wheeled lawn equipment should not be used on the MR-750 (walkers, Exmark Navigator or Toro 3-wheeler) (Figure 25)
7. When loading lawn mowers, equally distribute the weight of the mower
8. Always lift with legs when moving the ramp back to the vertical resting position



Figure 25

9. Always secure the ramp with locking pin in the vertical position prior to moving your truck

10. The expanded metal surface will bend or break over time. Repair any broken welds to prevent further damage
11. Always remember to use caution when operating your ramps.
12. We strongly recommend raising the mowing deck on all mowers prior to loading or unloading the equipment to prevent deck and spindle scrubbing.
13. The MR-750 loading ramp is a safe and affordable loading ramp designed for loading wheeled equipment into box trucks. The bottom floor of the box truck must be 40" or less from floor to ground.
14. Good luck and thank you for ramping up with Super Lawn Technologies MR-750 Manual Loading Ramps!

If you have any questions, please call us at 866-923-0027