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UltraGrip™ Carrier and UltraGrip™ Ramp

INSTALLATION INSTRUCTIONS

This installation manual provides the owner or service person information required to install and troubleshoot an UltraGrip™ Carrier and UltraGrip™ Ramp.



SAFETY INFORMATION

OVERVIEW OF POTENTIAL HAZARDS

READ THIS SAFETY INFORMATION

COVENTIONS USED IN THESE INSTRUCTIONS

Your safety and the safety of others depend on you reading the information in this manual. If you have questions or do not understand the information presented, contact TODCO customer service at (740) 383-6376 or toll free at (800) 999-3392.

The safety alert symbol and the signal words are used throughout this manual to call attention to and identify different levels of hazard and special instructions.



This is the safety alert symbol. This symbol is placed next to the signal word “**DANGER**”, “**WARNING**”, or “**CAUTION**”, and is followed by a safety message to help you identify a potential hazard and important safety information.

DANGER indicates an imminently hazardous situation which, if NOT avoided, will result in death or serious injury.

WARNING indicates a potentially hazardous situation which, if NOT avoided, could result in death or serious injury.

CAUTION indicates a potentially hazardous situation which, if NOT avoided, may result in injury or property damage.

The word **NOTE** is used to indicate important steps to be followed or important considerations.



IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW ALL INSTRUCTIONS

SAVE THESE INSTRUCTIONS

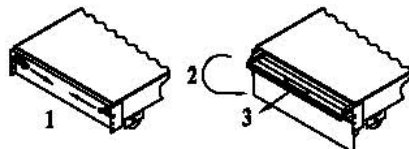
Read and understand the below safety decal, user operation decal, and installation instructions before installation and use. These labels are pre-installed on all new UltraGrip™ carriers purchased from TODCO. If purchased as a “ramp-only” these decals are sent separate and must be installed in a prominent location on the rear of the truck/trailer that the ramp will be used on. If at any time these labels become worn, damaged, faded, or are unreadable for any other reason they must be replaced.

SAFETY DECAL

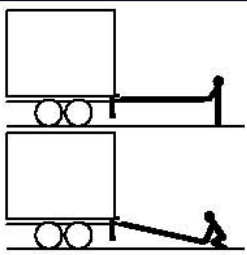
⚠ WARNING	⚠ CAUTION
<div style="display: flex; align-items: flex-start;">  <div style="flex-grow: 1;"> <ul style="list-style-type: none"> - DO NOT exceed maximum load capacity of 1000 lbs. If exceeded ramp can become unsteady or fail. - Regularly inspect ramp, undercarriage, and carrier for damage and loose fasteners. Tighten any loose fasteners. Replace any damaged parts with genuine TODCO replacement parts. Damage to structural components or loose fasteners can cause ramp failure which could result in serious injury or death. - DO NOT use ramp as a bridge. Ramp is only to be used with the top section properly secured to the deck and the nose on firm, level ground. - Footwear with slip resistant tread must be worn during use of this ramp. Slips and falls from ramp can be caused by use of improper footwear. </div> </div> <div style="margin-top: 10px;"> <p style="font-size: small;">1332 Fairground Rd. East Marion, OH 43302 Telephone (740) 383-6376</p>  <p style="font-size: x-small;">A Division of Overhead Door Corporation 5/08 PL No. 3800X</p> </div> <ul style="list-style-type: none"> - Falls from ramp can cause serious injury or death. - Ramp can shift or fall if not properly secured. ALWAYS properly secure ramp to deck before use. - DO NOT use with ramp resting on carrier or undercarriage. 	<ul style="list-style-type: none"> - Use proper lifting technique when moving ramp. - Avoid dropping or positioning ramp on feet or other extremities. - DO NOT drop load on ramp. - Ramp should roll in and out of carrier easily. If stuck, do not force. Check for and remove any obstructions. - Improper ramp positioning can pinch fingers or hands. - DO NOT reach under ramp or thru decking. - Ramp is to be stored in carrier and carrier door is to be shut and latched before moving vehicle. - DO NOT allow ramp to freely fall and strike the ground. Doing so may damage the ramp.

USER OPERATION DECAL

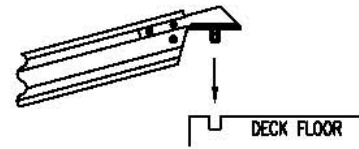
ULTRAGRIP USER INSTRUCTIONS



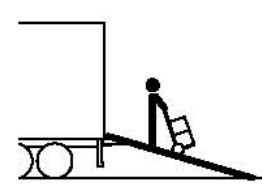
1. Release latches, lower gate, pull out ramp.



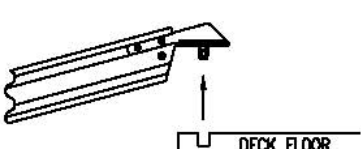
2. Fully extend and lower to ground.



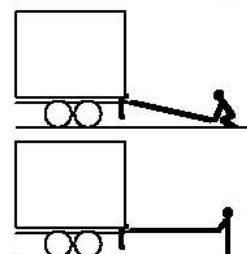
3. Secure ramp top section to deck.



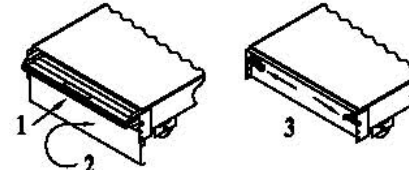
4. Use ramp.




5. Un-secure ramp top section from deck.



6. Raise ramp from ground, level with carrier.



7. Roll back into carrier. Close and latch gate.



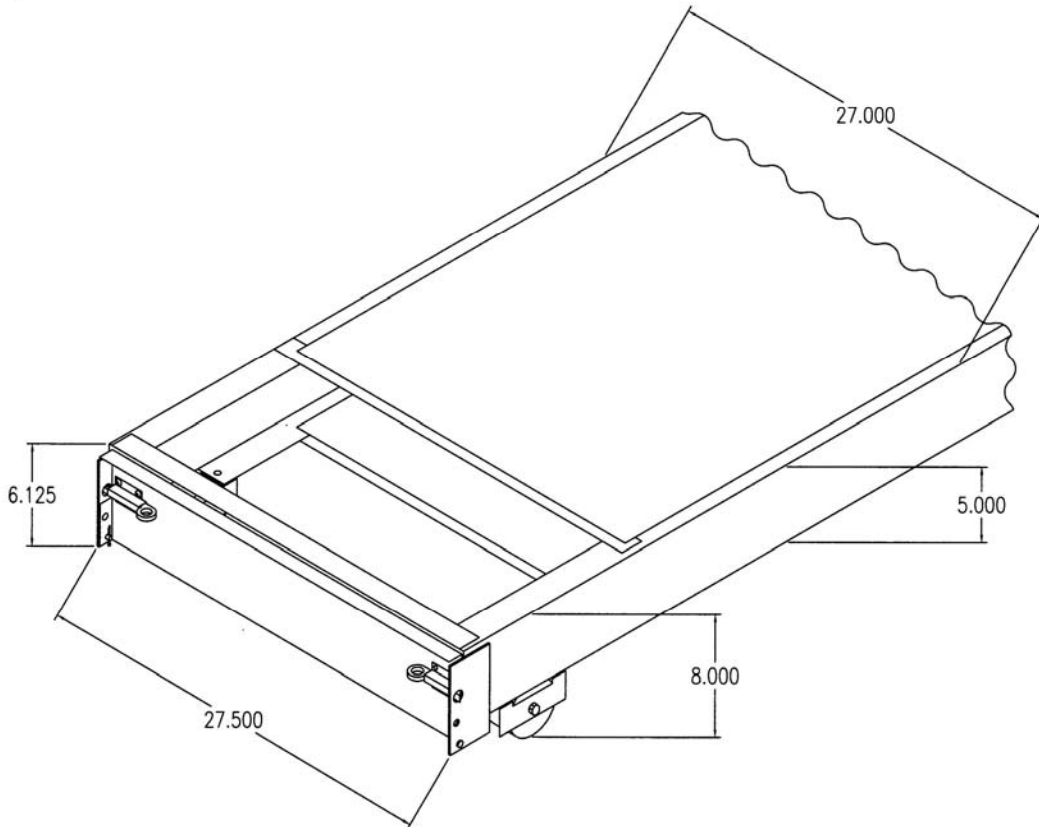
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5/08
PL No. 3800X

UltraGrip™ Carrier Installation Instructions

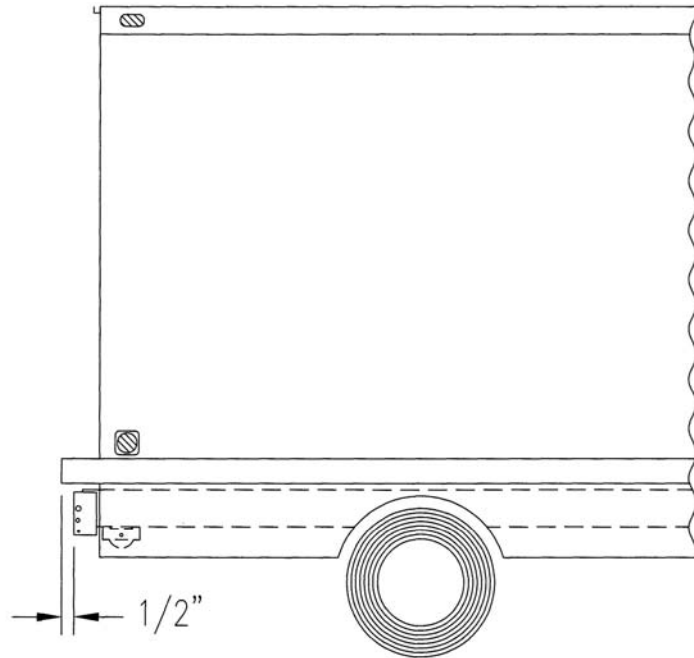
1. Check the dimensions of the space where the UltraGrip™ carrier is to be installed.
 - a. The required length of clearance to install the UltraGrip™ carrier is:
 - i. 16' UltraGrip – 17'-11" min.
 - ii. 14' UltraGrip – 17'-11" min. (16'-2") with carrier trimming*.
 - iii. 12' UltraGrip – 15'- 5" min. (14'- 6") with carrier trimming*.

* Excess carrier frame rails (steel "C" channel) extend beyond the ramp stop. This excess can be cut off at installation by installers if additional space or clearance is required.
 - b. See remaining dimensions of carrier in diagram below.
 - i. 12" of vertical clearance is required when gate is in full open position.



UltraGrip™ Carrier Installation Instructions (Continued)

2. Position the carrier in the opening. The carrier should be recessed a minimum of 1/2" from the rear of the truck/trailer to prevent damaging the carrier while backing up to loading docks, etc. The carrier should not be recessed any more than 3".



3. Prior to permanent attachment of the carrier to the truck/trailer, verify the carrier gate and wheels operate properly and are free of obstructions. If the carrier gate and/or wheels do not operate properly due to obstructions, repeat step 2.
4. Attach UltraGrip™ carrier to body cross members.



WARNING: Welding should be performed only by a trained professional using proper equipment and instructions. Fumes and gases given off by welding equipment can be hazardous to your health. Operate welding equipment in open, well-ventilated areas. Welding spatter, flash, and glare can cause injury to your eyes, face, and body. Protect your eyes and face with a welding helmet, and wear protective clothing. Welding sparks can cause fire or explosion. Remove all potential fire or explosion hazards from welding area, and wear appropriate fire-resistant protective clothing.

UltraGrip™ Carrier Installation Instructions (Continued)

- a. If the truck/trailer has steel framing and cross members:
 - i. Option 1: Weld short steel hanger angles (parts not included) to the body cross members starting at the forward end at intervals of approximately three feet (36") to secure the carrier assembly.
 - a. NOTE: Shield ramp from weld spatter.
 - ii. Option 2: Weld the carrier directly to the steel cross members.
 - a. NOTE: Shield ramp from weld spatter.
- b. If the truck/trailer has aluminum framing and cross members:
 - i. Weld angles or brackets (parts not included) onto the carrier and bolt the carrier assembly to the aluminum members (fasteners not included). Angles or brackets should be spaced approximately three feet (36") apart.



WARNING: Regularly inspect ramp, undercarriage, carrier, and ramp receiving holes for damage or loose fasteners. Tighten any loose fasteners, and repair or replace any damaged parts. Damage to structural components or loose fasteners can cause ramp failure which could result in serious injury or death.

UltraGrip™ Ramp Installation Instructions

The UltraGrip™ ramp includes a platform top section (also known as a platform, apron, bridge, etc.) with every ramp. Bolts are fastened through the platform top section and act as the anchoring point for the ramp to the truck/trailer deck. The bolts are pre-installed and spaced 17 ¾” apart on the UltraGrip™ ramp.

If there are no pre-existing ramp fastening points, modifications will need to be made to accommodate the ramp bolts.

Drill ramp bolt receiving holes into the deck or rear frame:

1. Mark the locations for securing the ramp to the deck floor by positioning the ramp in the operating position and use the installed bolts as a template, marking their location.
2. Center punch and then drill a minimum 1 1/16” diameter hole at the locations marked in step one.
3. Test that the holes are properly located and sized correctly by securing the ramp into the newly drilled holes, the bolts on the underside of the platform top section should fit easily into the holes drilled in step two.
 - a. If ramp bolts fit properly, un-secure ramp from deck and slide ramp back into carrier, and shut and latch the gate, following the User Instructions and Warnings on Page 3. Installation is complete.
 - b. If ramp bolts do not fit properly, un-secure ramp from deck and repeat steps 1-3 as needed.

UltraGrip™ Ramp Installation Instructions (Continued)

4. Final Check

- a. Following the User Instructions and Warnings on Page 3, fully extend ramp and secure to truck/trailer. Check that it operates correctly and there is no interference or binding issues.
- b. Un-secure ramp from truck/trailer and return ramp into the carrier. Close and latch gate.



WARNING: Regularly inspect ramp, undercarriage, carrier, and ramp receiving holes for damage or loose fasteners. Tighten any loose fasteners, and repair or replace any damaged parts. Damage to structural components or loose fasteners can cause ramp failure which could result in serious injury or death.

The UltraGrip™ ramp and carrier are now fully installed and ready to be used. If you have any questions or run into any problems, please call TODCO customer service at (740) 383-6376 or toll free at (800) 999-3392 and one of our helpful and knowledgeable customer service representatives will assist you.