

BUILD and INSTALLATION INSTRUCTIONS

EASY LOAD TRAY-XL



IMPORTANT INFORMATION

WARNING

Do not sit or stand on the tray. An uneven heavy load may bend the light aluminum pieces which could result in material failure.

WARNING

This product is not suitable for use with a motor home or large RV.

WARNING

The tray extends behind the vehicle more than 4'. When driving with your trike loaded on the Tray, avoid steep driveways, culverts and other bumps especially at higher speeds.

WARNING

This product is designed to be used with a 2" receiver hitch on the trike transporting vehicle should be at 16" or higher above the ground. **Higher is better.** To attain the 16" or more you should acquire a receiver hitch riser, available at retail establishments which carry auto parts.

CAUTION

Check the fasteners periodically for security as vibration could cause them to loosen, causing parts to move or come loose from the tray and damage the trike or handcycle.

CAUTION

Always use the safety Clevis Pin whether the tray is horizontal or vertical when the transporting vehicle is in motion. This insures the Tray will not move excessively. After lowering the Tray from vertical to horizontal replace the safety Clevis Pin before loading your trike as the Tray will sag a bit from the weight of the trike and prevent easy installation of the Safety Clevis Pin.

NOTE

Manufacturing tolerances between the Easy Load Tray Receiver Hitch Insert and the vehicles receiver hitch may cause some movement of the system when installed. To eliminate this movement, a Hitch Tite is provided to reduce the space between the RHI and the vehicle receiver hitch. See the Hitch Tite instructions provided

NOTE

If you elected to stow the ramps on the Tray with the Hook and Loop material, periodically check this material for usability.

NOTE

Always connect the seven blade or flat four pin electrical connector to the transporting vehicles receptacle to insure proper light operation. When the Tray is vertical it will prevent the connector from damage caused by inadvertent dragging on the roadway.

NOTE

When lowering the Tray from vertical to horizontal "up" pressure must be held or it will bind and stop lowering.

EASY LOAD WARRANTY

Easy Load is committed to provide prompt, courteous, and effective customer service. We stand behind the quality and craftsmanship of our products. Products are warrantied against defective materials and workmanship.

Damage from abuse, neglect, improper assembly or repair, lack of proper maintenance, modification, corrosion, and accident or other abnormal usage/misuse and normal wear and tear, are not covered by the warranty.

Your Easy Load Tray-XL is constructed of high-quality steel and aluminum materials. All metallic parts are guaranteed for a period of one (1) year from date of purchase to the original owner for normal as designed usage. Please contact the seller for exchange of broken or unusable parts within the first year.

All Easy Load manufactured parts are powder coated in gloss black finish. This powder coating finish is not warrantied for scratches, scrapes, effects of ultraviolet light (UV), outdoor exposure, and normal wear and tear.

Lights are vendor procured items and are tested to be in correct working order before the Easy Load Tray is shipped. Lights are not covered by Easy Load warranty unless the product is first assembled and installed by buyer. If lights do not work upon initial purchaser installation and the wiring has been examined to determine that all connectors are securely connected, contact the seller for remedy.

MAIN PARTS LIST WITH BRIEF DESCRIPTIONS

2" RECEIVER HITCH INSERT (RHI) –

This is one of two pieces manufactured of steel. The complete Tray is fastened to this piece with a 1/2" clevis pin which allows the Tray to rotate from horizontal (shown horizontal) to vertical when empty. There is also a 3/8" **safety** clevis pin to be used in either the horizontal or vertical positions. There are three penetrations on the shaft which inserts into the trike transporting vehicles receiver hitch.

One of which you will select to use with the supplied Hitch Tite. The fourth penetration closest to the bulge in the RHI is for the Easy Load Single Upright Bicycle Rack.



2" SQUARE CENTER TUBE WITH WIRES – This tube is part of the main structure of the Tray and is manufactured of steel. It also serves as the wire run from the lights located on the Rear Cross Support, (Light Bar), to the connector for the trike transporting vehicle.



FRONT CROSS SUPPORT – This aluminum piece is part of the main structure of the Tray. It is a U shaped channel, for strength, and fastens to the Center Tube at its protruding tabs with three, 1/4" X 3", supplied machine screws. The shorter of the two tabs should be on top of the Center Tube for installation.



REAR CROSS SUPPORT (LIGHT BAR) – This aluminum piece serves two functions, tray structure as the Rear Cross Support and safety as the Light Bar. The lights have three functions, turn signal along with break and running lights. It fastens to the center tube with three, 1/4" X 3" supplied machine screws.



LEFT AND RIGHT SIDE SUPPORTS – These two aluminum parts when installed between the Front Cross Support and the Light Bar finish the structure of the Tray frame. To eliminate confusion they are marked L and R. They fasten to the front and rear supports with supplied 1/4" X 3/4" machine screws.



WHEEL CHANNELS – There are three of these aluminum channels, with grip tape, and they fasten to the Left and Right Side Supports with 1/4" X 3/4" machine screws. The front Channel fastens to the Side Supports in the pre-drilled penetrations near the machine screws holding the Side Supports to the Front Cross Support. The other two Channels, center and rear, fasten to the slits in the side supports making them adjustable for the wheel track of your trike or handcycle.



WHEEL CHOCKS – There are two Wheel Chocks with grip tape and straps which fasten to either end of the front and rear Wheel Channels. These hold the wheels and keep the trike or handcycle in the Wheel Channels and on the tray.



RAMPS – There are two Ramps with grip tape surface and Ground Contact Pads. They hook into either end of the front and rear Wheel Channels to allow you to push your trike into position against the Wheel chocks on the Wheel Channels with no or minimum lifting.



SMALL PARTS LIST

- 1 – Hitch Tite
- 1 – 3/8" X 3" Clevis Pins with Keeper
- 1 - 1/2" X 3" Clevis Pin with Keeper
- 6 – 1/4" X 3" Machine Screws
- 14 – 1/4" X 3/4" Machine Screws
- 20 – 1/4" Nylocks
- 40 – 1/4" Flat Washers
- 6 - #8 Machine Screws
- 6 - #8 Nylocks
- 12 - #8 Flat Washers
- 2 – 18" lengths of Split Loom
- 4 – White Composite Cable Holders
- 2 – 6" lengths of Hook Tape
- 4 – 3" lengths of Loop Tape

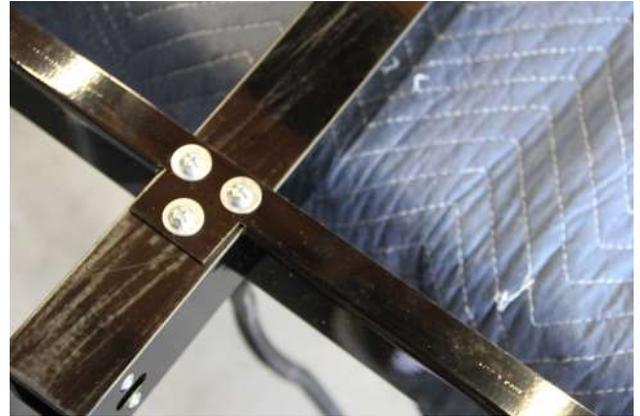
REQUIRED TOOLS

- 7/16" box or open end wrench
- 11/32" box or open end wrench
- Medium size Philips head or slot screwdriver
- Smaller size Philips head or slot screwdriver.
- Tape Measure

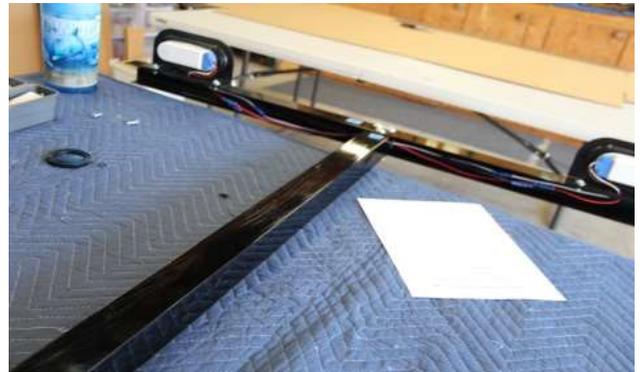
TRAY BUILD and INSTALLATION INSTRUCTIONS

ASSEMBLY ON A TABLE IF POSSIBLE

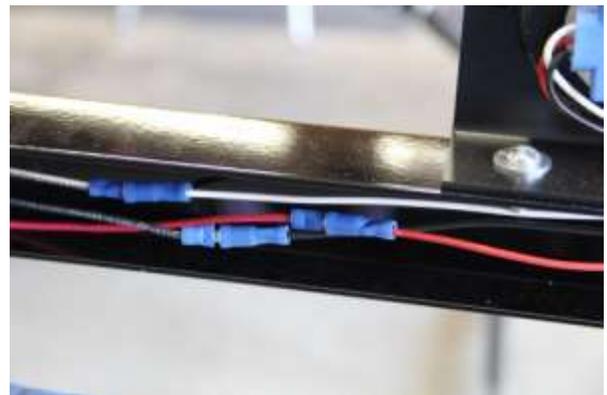
1. Loosely attach the Front Cross Support to the Center Tube with three sets of the 3" x 1/4" machine screws, washers and lock nuts.



2. Loosely attach the Rear Cross Support (Light Bar) to the Center Tube with the three remaining sets of the 3" x 1/4" machine screws, washers and lock nuts.



3. Now connect the three wires on the right and left side of the Center Tube to the matching wire colors on the Light Bar.



4. When satisfied with the security of the wiring attach the two 18" sections of Split Loom to protect the wiring connections. The Split Loom helps protect the wiring and wiring connections from the elements.



5. Insert the shrouded wire bundle into the Cable holders and stick them to the inside of the Light Bar.



6. Loosely attach the Right Side Support to the Front Cross Support and the Light Bar. The Right Side Support should be under the Front Cross Support and the Light Bar.



7. Repeat Step 6 for the Left Side Support.

8. When satisfied the frame for the Tray is square, tighten all loosely installed Lock Nuts.

9. Now fasten one of the Wheel Channels next to the Front cross support. Please select the Wheel Channel without the Easy Load Stickers as we would like to have it in the center. For most trikes the center hole, of the 9 available, on each end of the Wheel Channel may be used.



10. Measure the track (width) of the two wheels of your trike or hand cycle. Center of the left tire tread to center of the right tire tread.

11. Measure the wheelbase, front axle to rear axle, of your trike or hand cycle.

NOTE

For longer trikes and handcycles all three Wheel Channels are capable of being moved left or right. I.e., the outside Wheel channels may be moved left or right and the center Wheel channel can then be moved the opposite direction thereby lengthening the width of the Tray.

12. Having noted the track of your trike install the Wheel Channel next to the Light Bar by measuring from the center of the Wheel Channel closest to the vehicle bumper to the center of the Wheel Channel closest to the Light Bar and secure both in place.



13. Now install the third Wheel Channel in the center of the two Wheel Channels just installed. There are Easy Load stickers on the center Wheel Channel. Please install it so the stickers may be read by a following vehicle when the tray is vertical. Thank you for helping with our advertising.



14. Knowing the wheelbase of your trike, install the two Chocks, with Tie Down Straps, on the opposite end of the Wheel Channels from which you will load the trike. Install them on loosely as you may have to move them after loading your trike the first time.



15. Install the third Tie Down Strap on the center Wheel Channel so as to secure the single wheel of the trike. Install it loosely also as you may have to adjust it when you load your trike the first time.



NOTE

If you choose to load your trike with the single wheel first there would be one Chock installed on the Center Wheel Channel and two Tie Down Straps on the outside Wheel channels. A third Ramp is available from Easy Load or your trike dealer.

16. Place the two 10" strips hooks tape on the Center Tube and either the Left or Right Side Supports next to the Front Cross Support. Then press the 5" loop sections on to the hooks with the protective back remaining in place. When satisfied with the positioning, pull the plastic protective pieces off the 5" loop sections and firmly stick the Ramps to each set of the loop pieces.



17. Pull the Ramps off the hook pieces and check the 6" hook sections stay firmly in place.

NOTE

Step 17 above is recommended for short trips such as from your residence to your local trail. If you are going on a road trip we recommend you put the ramps in the trike transporting vehicle.

18. The Receiver Hitch Insert must be installed on the center tube (shown with Tray in vertical position) with the "bulge" up. Hook the Receiver Hitch Insert onto the Center Tube and secure it with the 3" x 1/2" Clevis pin. This is the pin the tray rotates on. The 3' x 3/8" clevis pin is the safety pin holding the tray secure in the vertical position as shown. When the Tray is lowered to horizontal in the vacant hole shown.



NOTE

When lowering the tray to horizontal from vertical be sure to install the safety pin before loading your trike. The Tray may sag enough to prevent installation of the pin with the trike loaded.

19. Put the assembled Tray in the trike-transporting vehicle's receiver hitch and move it as close to the vehicle as possible and select which hole in the Tray's Receiver Hitch Insert is to be used to secure it to the vehicle. This will be the hole you use to install the Hitch Tite.



20. Take the Tray out of the receiver hitch and install the Hitch Tite, in the selected hole, according to the supplied Hitch Tite instructions.

21. Place the hook of the Ramps in the slot on the end of the Wheel Channels and load your trike. This is where you may need to adjust the wheel chocks and the center Wheel Channel Tie Down Strap, left or right. Your trike or handcycle may extend past the sides of the vehicle. So, you will adjust the chocks and strap so an equal amount of the trike sprocket and rear wheel are on either side of the transporting vehicle.



NOTE

When pushing your trike up the Ramps keep the back wheel on the ground as long as possible. As the chain is about to hit the Center Wheel Channel lift the single wheel and set it down on the Center Wheel Channel and

Secure it with the Tie Down Strap. Then Secure the Tie Down Straps on the two wheels making sure they are firmly against the Wheel Chocks. Same procedure is used if you load the single wheel or your trike first.

When unloading your trike set the single wheel on the ground as soon as you can and, while controlling the trike, guide it down the Ramps. Be careful to not let loose of the trike as it is coming down the Ramps as gravity will take over and the trike will run into your legs.

22. Load your trike and make final adjustments to the wheel chocks and the Center Wheel Channel to ensure the trike is properly centered on the Tray.



Now drive off on your favorite trail and have a great day.

