

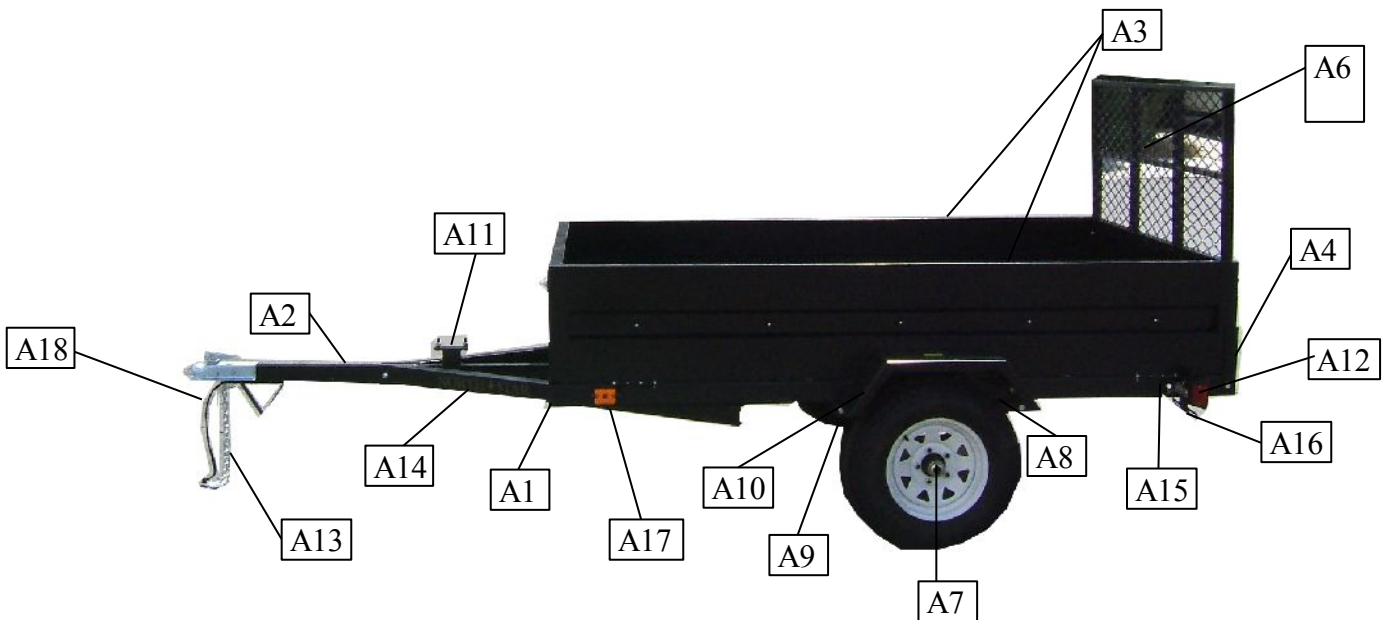
NORTH  STAR

Trailer Assembly
Instructions
MultiStar



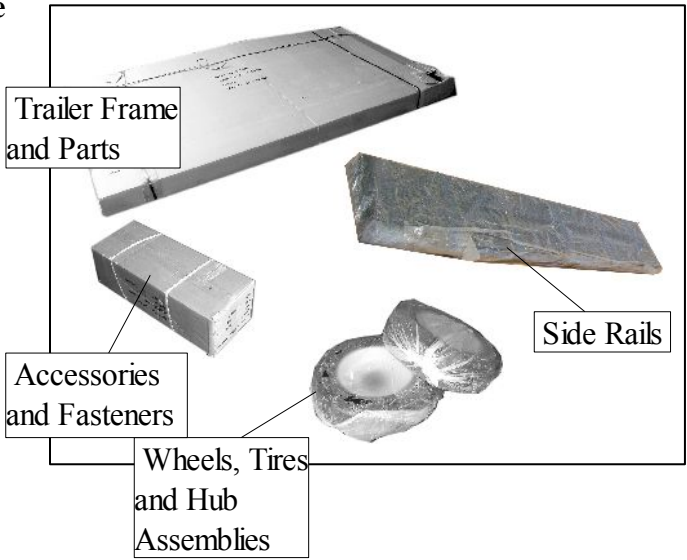
2 Place ATV Trailer Parts List

Trailer Parts			Hardware		
<i>No.</i>	<i>Description</i>	<i>QTY</i>	<i>No.</i>	<i>Description</i>	<i>QTY</i>
A1	Trailer Frame	1	1	M14 x 85 Bolt	6
A2	Trailer Tongue	1	2	M14 Jam Nut	6
A3	Trailer Side Rails	2	3	M10 x 20 Bolt	16
A4	Rear Rail Bracket	2	4	M10 Lock Nut	24
A5	Front Rail	2	5	M10 x 25 Bolt	30
A6	Rear Gate	2	6	M10 Lock Washer	30
A7	Wheel/Hub Assembly	2	7	M10 Flat Washer	30
A8	Leaf Spring	2	8	10 U-Bolt	4
A9	Axle	1	9	Spring Plate	2
A10	Fender	2	10	3 x 35 Pin	6
A11	Spare Tire Bracket	1	11	Latch Bolts	4
A12	Trailer Rear Light	1	12	Latches	4
A13	Safety Chain	1	13	Latch Pins	4
A14	Tongue Side Brace	2			
A15	Tail Light Bracket	2			
A16	License Plate Bracket	1			
A17	Running Lights	2			
A18	Wiring Harness	1			

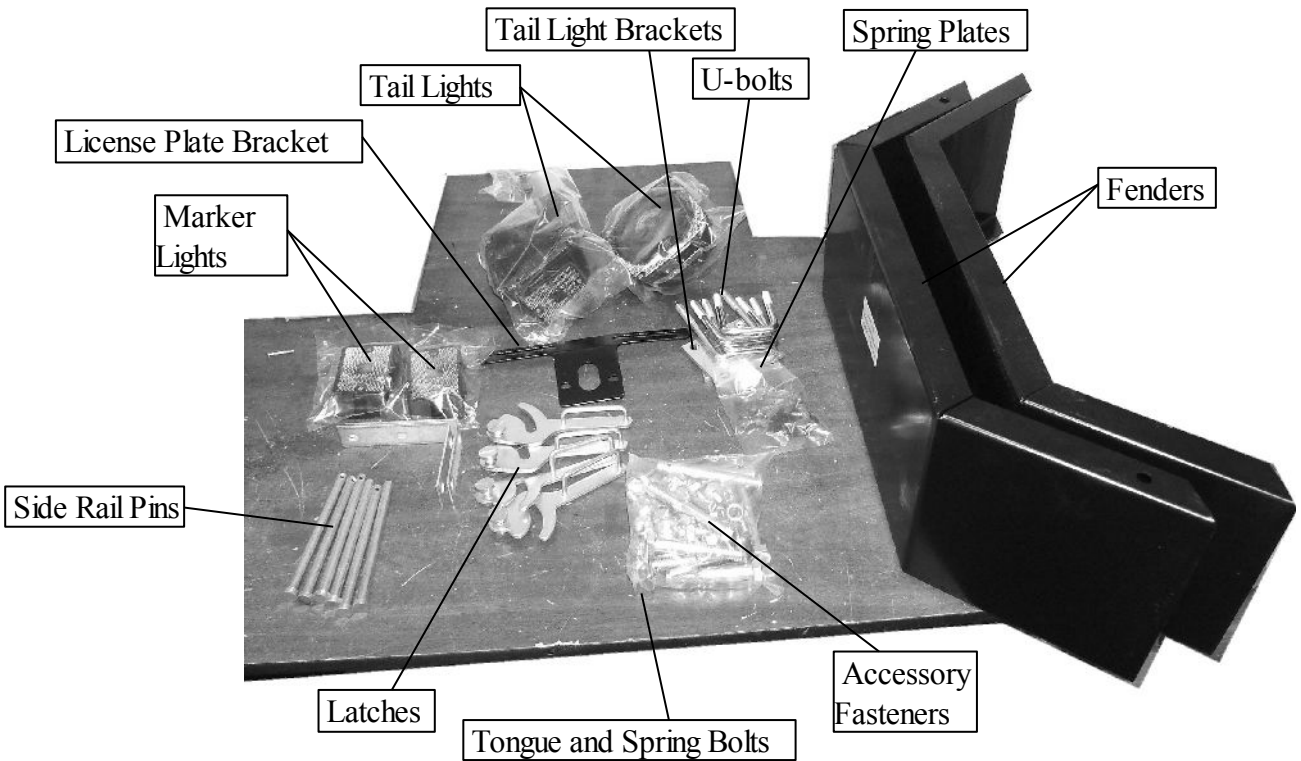
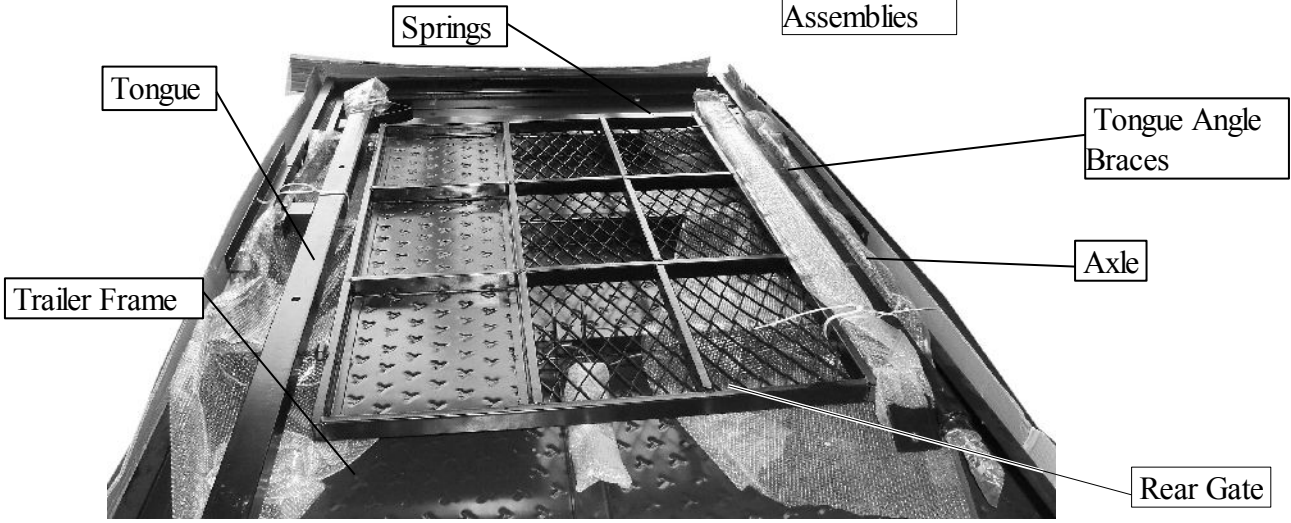


Trailer Assembly Instructions

- **The 2 place ATV Trailer comes with the following:**
 - Trailer Frame and Parts
 - Accessories and Fasteners
 - 2 Wheels with Hub Assemblies
 - Ensure that you have everything

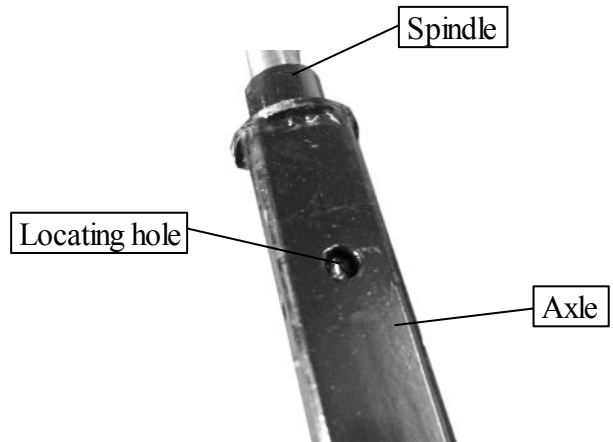


Remove all Shipping materials and lay out all parts and hardware. Check for correct quantities as listed on parts list



- **Assemble axles.**

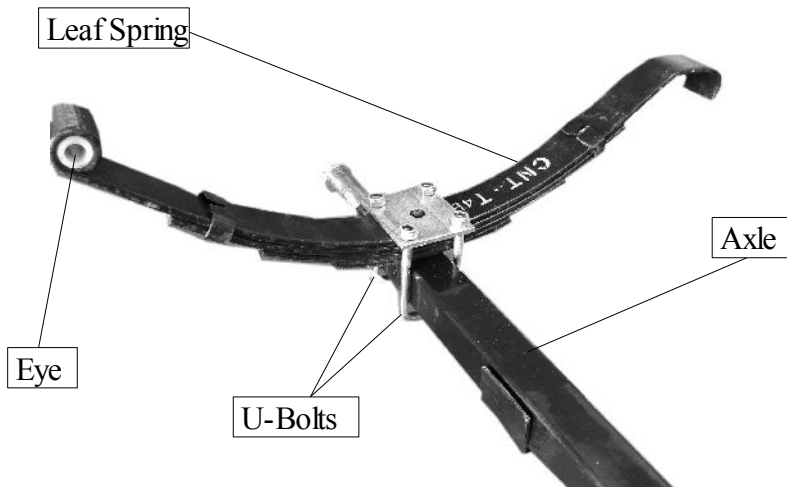
Lay Axle on a table or some flat surface with the Spindles or threaded portion hanging off each side. The Springs will attach toward each end of the Axle. Set the Springs, curving upward, by placing the head of the Spring Bolt into the Locating Hole.



Attach Leaf Springs to the Axle. Use the four U-bolts (two per side), Lock Nuts and Spring Plates. The U-bolts will wrap around the Axle on either side of the Spring (one to the left, the other to the right). Lay the Spring Plate on top of the Spring and feed the U-bolts through it, placing the Lock Nuts.

Tighten U-bolt nuts alternately (do not tighten one all the way before the others are snug) until all four nuts per spring are tight. Torque nuts to 40 ft-lbs.

Note: Before tightening the nuts on the U-bolts, use a square to make sure that the springs are square to the axle.



- **Install Hub Assembly to Axle.**

Hubs come attached to the wheels. Remove Dust Covers from Hubs. This can be done by inserting a long bolt or punch into the hole of the hub and driving the dust cap off. A screwdriver can also be used on the face side of the Hub to gently pry the dust cover off. Be careful not to drop the bearings or get them dirty. Bearings are pre-lubricated.

Dust Cover

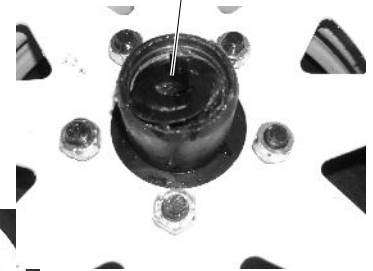


After carefully sliding the Hub Assembly and Wheel onto the threaded end of the Axle, make sure that the Bearings are slid into the Hub. Be careful not to remove the grease from the Bearings.



Axle Washers and Bearing

Place the two washers onto the axle flat washer first. Align the flat surface of the axle with the flat of the washers.



Tighten Axle nut to 35 ft-lbs. Loosen the nut 2 notches of the crown nut. Align a notch with the one of the tabs of the tabbed washer. Using a screwdriver, bend only one of the tabs of the tabbed washer into the notch of the crown nut. Replace dust covers by tapping gently with a rubber mallet. Be careful to not damage dust covers.



Note: It is the owner's responsibility to re-pack and adjust the bearings within the first 100 miles

- **Assemble Axle, Tongue Coupler, Fenders.**

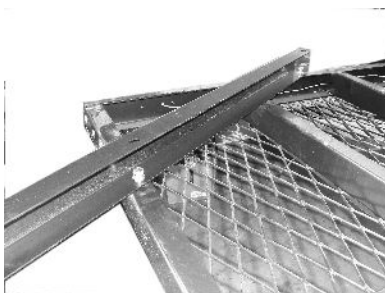
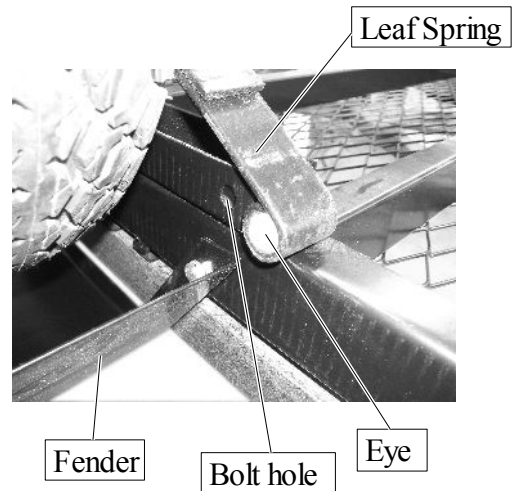
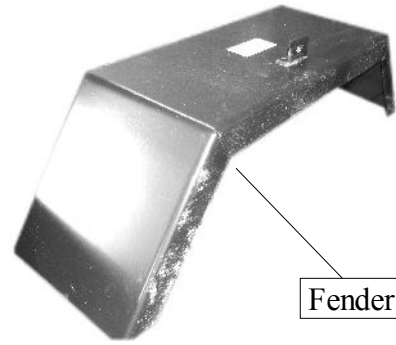
Lay Trailer Frame flat upside down on a table.

Align the holes in the Fenders with the Fender Bolt Holes on the Trailer Frame. They are located alongside the Axle Channels. Using two Bolts and Lock Washers on each Fender, attach and tighten both Fenders.

Install Axle Assembly into Axle Channels. The Eye in the Springs should point toward the front of the trailer.

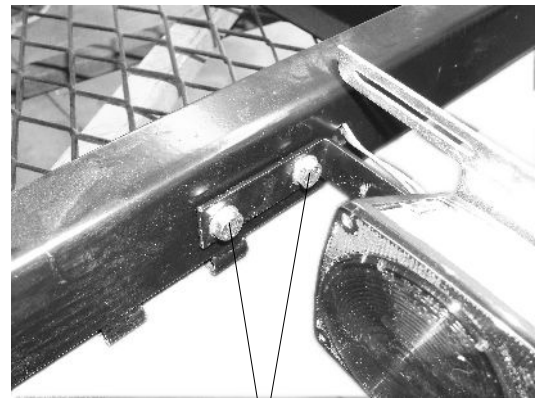
Install four Bolts and four Nuts in the Frame member to secure the Axle. Tighten nuts to where Cotter Pins can be slipped through the holes in the Bolts and then bend at least one leg of the Cotter Pin.

Bolt Trailer Tongue to trailer using the longest two Bolts as shown. Tighten Nuts to where Cotter Pins can be inserted through holes in Bolts and then bend at least one leg of the Cotter Pin.

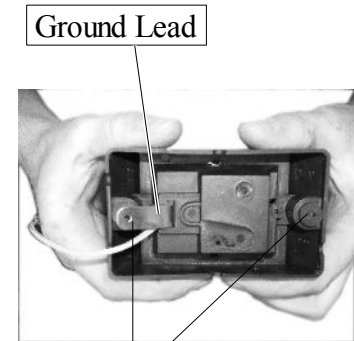
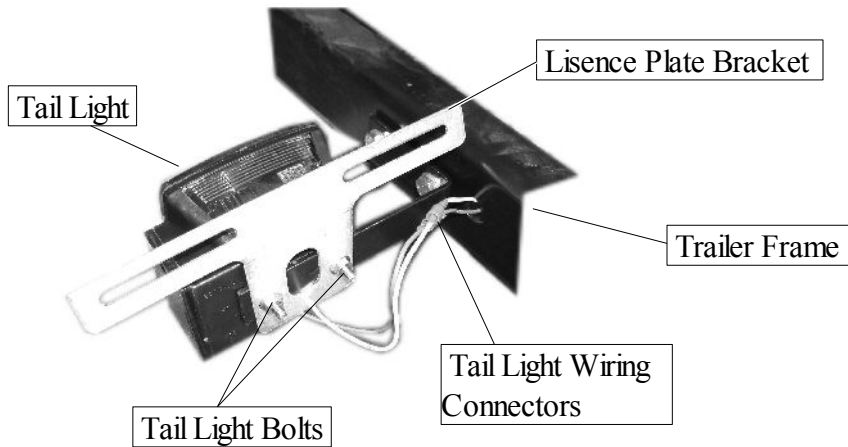


- **Electrical Equipment**

Attach Taillight L-Brackets using two short bolts and lock washers. Place License Plate bracket under the tail light for the driver's side of the trailer. The studs on the light go through the License Plate Bracket and then through the Taillight L-Bracket. Wiring on the taillights is color coded. Make sure that the wiring for the Taillights is run through the loops and holes on the trailer. After mounting the taillights, connect the wiring with the bullet connectors. Press firmly to ensure a good connection.



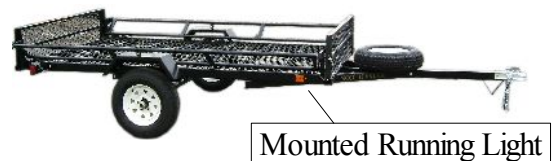
L-Bracket Bolts



Ground Lead

Mounting Holes

Connect the Running Lights to the side of the trailer. Before fastening the lights to the trailer, start one screw through the Mounting Hole and through the Ground Lead on the same side. Do this with both Running Lights. The Running Lights can be used on either side of the trailer. Using a Phillips Screwdriver fasten the Running Lights to the Trailer. Connect the wires by pressing firmly.

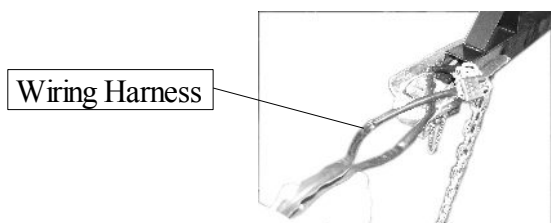


Mounted Running Light



Wiring Main Connection

With all the wires connected firmly tighten the wiring away from the lights towards the Tongue. Connect the wiring to the wires that are in the Tongue. Pull this slack in the wiring from the Trailer Coupler as well.



Wiring Harness

- **Side Rails**

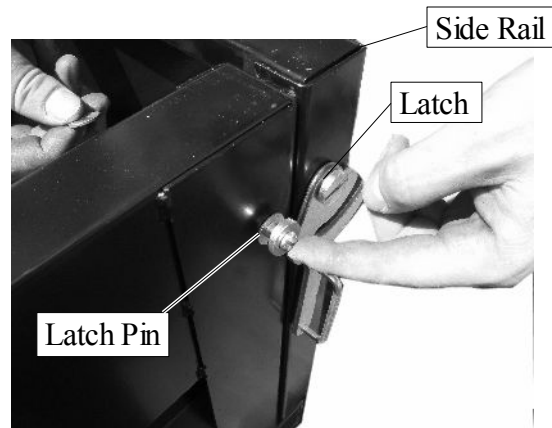
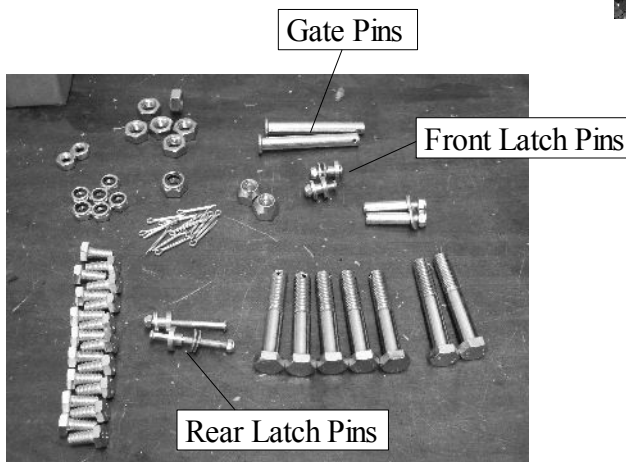
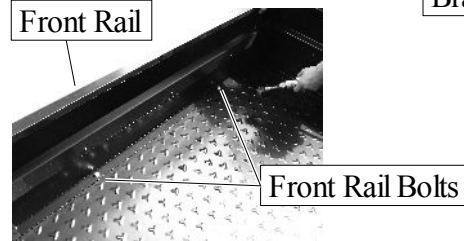
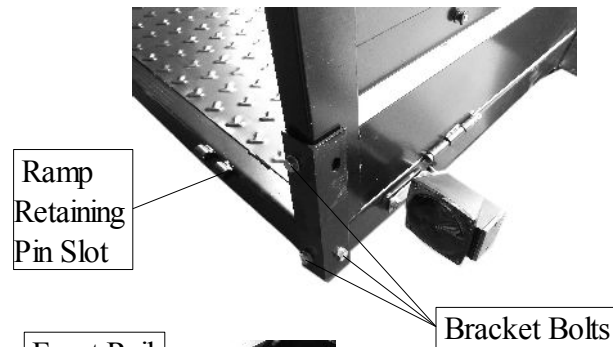
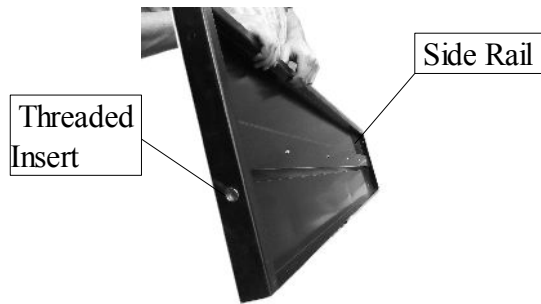
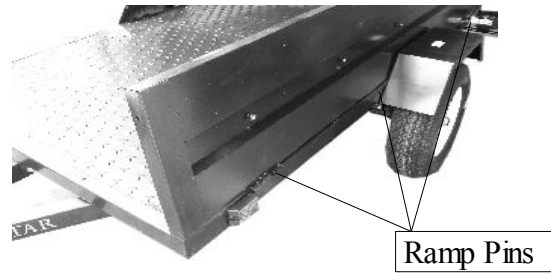
With the Trailer right side up you can install the Side Rails. First install the Ramp Pins on the front, rear and middle.

The Side Rails are first located with the pins on the lower edge. The Side Rail has a Threaded Insert on one end. This end aligns with the back of the trailer. Once the Ramp Pins are inserted, insert the Cotter Pins into the Ramp Pins and bend one leg of the Cotter Pin.

With the Side Rails both in place, position the Rear Braces. Two bolts will be used to secure the lower portion of the Braces. One bolt will be used in the Threaded Insert at the back of the Side Rail.

Note: In an effort to reduce costs, the two Braces are made the same so on of the upper holes will be left without a bolt.

With the Rear Braces installed, locate the Front Rail. The Front Rail is held in place with two bolts to the Trailer Frame and the Latches on each side. The Latch is bolted to the Side Rail and the Latch Pin is bolted to the Front Rail. The Front Latch Pins are the shorter two of the four Latch Pins.



Note: It is owner's responsibility to tighten all bolts and nuts on trailer to ensure safe operation.

Coupler Adjustment

It is customer's responsibility to perform final adjustments to the Hitch Coupler before operation. Adjust after all other assembly. Remove Coupler Pin, unlock Coupler Latch and place coupler over a 2 inch Ball. Use a wrench to tighten the Coupler Latch Nut to where the Latch securely locks the Coupler to the Hitch. Do not over-tighten to avoid premature wear to the Ball

