



NovaJack On-Road/Off-Road Trailer Operation Manual 2002 Edition



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Operation Manual
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The content of this manual can be seen in picture-video format in our "How to" section on our web site at www.novajack.com

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Removing The Metal Box.

1. Disconnect the electrical system. The entire electrical system of the trailer is located on the box. By removing the box, you also remove the entire electrical system.



2. Release the tipper latches which are located underneath the metal box on either side.



3. Next, install the loading mast (winch towards the car). The loading mast enables you to remove the box without any effort, even when you are working alone.



4. Attach the loading mast cable to the hook in front of the ATV trailer box.



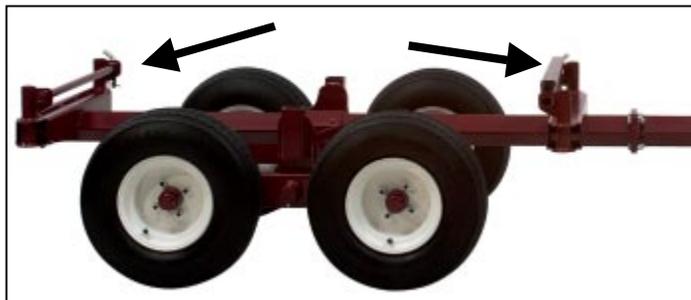
5. Lift the front end of the box approximately 10 cm (4") with the winch. Lift the rear end of the box and push forward about 10 cm (4"). This will remove box from anchor. Rotate the box until it comes at 90° angle with the trailer and rest it on the ground. Lower the front of the box by lowering the winch.

CAUTION : RATCHET ACTION ON WINCH DOES NOT WORK WHEN LOWERING LOADS. USE BREAK WINCH BY PRESSING BRAKE HANDLE.

NOTE : This operation is usually done in two (2) steps: Lower the front and pull on the box to clear the tires. Then lower box to the ground.

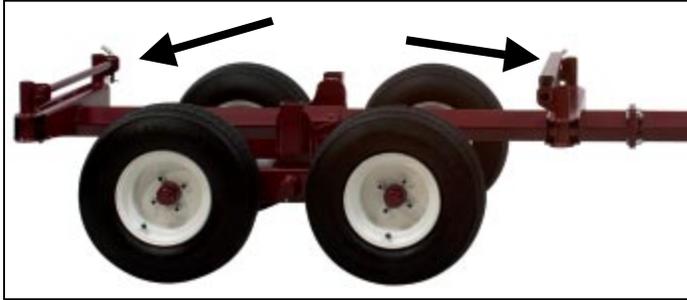


6. Finally, remove the front & rear box supports from the frame. Install the curved posts (one at each corner). Be sure to have posts hooks aligned with the lower hooks located on the post supports. Then set the loading mast and loading pivot in the transport position (in the supports located on the grating).



Installing The Metal Box.

1. Install the front & rear box supports onto the frame and secure them with the locking pins. Attach the loading mast cable to the front of the box and turn the crank to raise the box.



2. Lift the back of the box and swing it towards the trailer.



3. Position the box on the rear support and attach the latches on the front under the metal box.



4. Insert your ATV ramps in the dedicated openings, load the ATV, connect the electric system, and go home after a good day's work.



Using The Loading Mast.

1. Install the loading mast in one of the supports located along the sides of the trailer. (opposite side of the log you wish to load). Winch outside.



2. Attach the V-chain, opposite side of the loading mast, to each curved posts.

NOTE : You must have some wood in the trailer in order to load from the top of the posts. Otherwise, the posts will pivot inwards and make loading hazardous.

If you have no wood in the trailer, you may use the lower hooks located on the post supports. To prevent logs from pressing against the tires, position another log next to the tires, or use the curved posts (one on each tire) to make a ramp.



3. Next connect the loading mast rope to the center of the V-chain. Note that the rope must pass under the log before it is attached to the V-chain.



4. Operate the manual winch and the log is lifted onto the trailer. If the tension on the winch crank is too high, you can change the winch gear ratio during operation .

CAUTION : NEVER STAND DIRECTLY BEHIND WINCH WHEN OPERATING.

NOTE : Once the log is lifted above the tires, it may not be balanced on the chain. Stop winching and adjust log.



5. To unload, thread the loading mast rope under the log and connect it to the center of the V-chain.

TIP : Put a piece of wire or tape on the middle chain-link to mark it.



6. Turn the winch lever and the log is lifted and unloaded next to the trailer.



Using The Loading Pivot

1. Remove the curved posts on one side of the forestry trailer and install the loading pivot in one of the support located behind the tires. (We usually use the rear support).



2. Raise one end of the log and position it on the trident of the loading pivot (app. 1/3 of it's length).



3. With the log on the pivot, use your own weight to push down and raise the other end and swing it into the trailer. You may push the log forward up to the protection grating while one end rests on the pivot. Finally, swing the back of the log into the trailer.



4. Position the logs against the posts on the opposite side of the trailer. This will allow you to load a maximum number of log before having to install the log posts on the pivot side.

NOTE : Try to save the smaller logs for last.



5. Once done, rebalance the load in the trailer. To unload, just use the pivot and your weight to move the logs from the trailer to the wood pile.



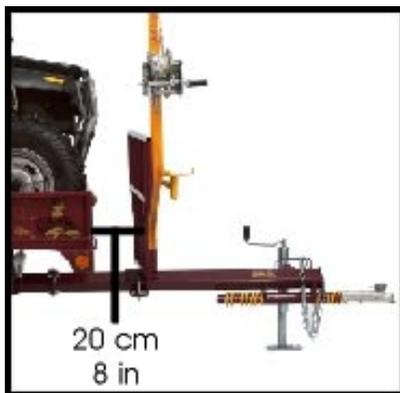
Using The Dumpbox

The dumpbox feature is very helpful but can present potential risks to the operator. Please read this section completely before attempting to use the dumpbox system.

CAUTION : Never use the dumpbox system with worn rope. Only use genuine NovaJack rope for the winch – white with double burgundy tracer.

Lifting the box :

1. Position the metal grating (picture 1) or unloading boom support (picture 2) app. 20 cm (8") from the front of the box. This will allow enough room to insert hook and will give proper angle to the winch line.



Or



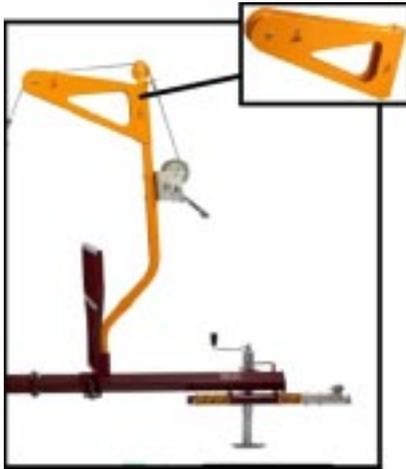
2. Install the loading mast or unloading boom parallel to the trailer.



Or



3. Install the dumpbox extension on the loading mast by lifting up the swivel pulley, sliding the boom extension over the tubing and re-inserting the swivel pulley into the tubing. Position the rope into the pulley in the front of the boom extension. (**only if you are using the loading mast as shown here**).

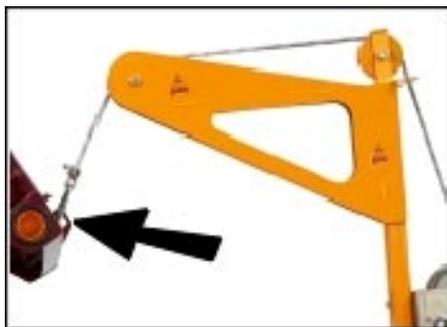


WARNING : WITH THE LOADING MAST (AS SEEN), NEVER ATTEMPT TO LIFT THE BOX WITHOUT THE BOOM EXTENSION IN PLACE.

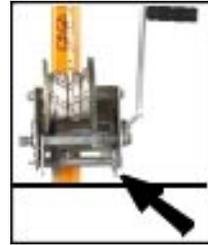
4. Release the tipper-latches (one on each side) by pushing the handle down.



5. Position the flat hook at the end of the winch line into the lifting hook in the front middle of the trailer.



6. Start lifting the box using the winch. Make sure the ratchet is in operating position. After lifting the box slightly, stop winching and check the following :
 - Is the knot holding the flat hook secure?
 - Is the box positioned properly into the rear frame support?
 - Is the metal grating or dumpbox adapter secure?
 - Is the winch properly secured to the mast?



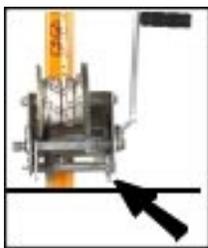
7. Continue lifting the box until the material is released. If the material does not release, use a shovel from the trailer's side to help it down. DO NOT MOVE THE TRAILER WITH THE BOX RAISED.

Lowering the box :

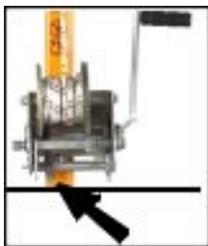
WARNING : RATCHET ACTION ON WINCH DOES NOT WORK WHEN LOWERING LOADS. USE BRAKE WINCH BY PRESSING BRAKE HANDLE.

WARNING : DO NOT ATTEMPT TO LOWER THE BOX WITH MATERIAL INSIDE. ONLY LOWER EMPTY BOX.

1. With right hand on the winch handle, move ratchet lever to the front position.



2. With left hand, push on winch brake while slowly turning the handle with right hand.



WARNING : DO NOT LET GO OF THE HANDLE OR THE WINCH BRAKE UNTIL BOX RESTS ON TRAILER FRAME. SERIOUS INJURY CAN BE CAUSED BY ROTATING HANDLE.

3. When box rests on trailer frame, lift up the tipper latch handles. Make sure the tipper latches are properly engaged under the front box support.



4. Position winch parallel to the metal grating for transport and attach rope to grating to secure using the winch.



That's it !

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