

Traction Jack, LLC



Instruction and Precaution Manual



Traction Jack LLC

We here at Traction Jack would like to sincerely thank you for your purchase. The product will serve you well in many situations you might encounter in the future and as long as you use it safely in the intended manner it will be long lasting. If you have any concerns please feel free to contact us for support. This instruction manual will give you a better understanding of how exactly to use the device. Thanks again and happy trailing!

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READ FIRST



*Safety Instructions

⚠️WARNING: Traction Jack has specific uses and should only be used in that manner. Even when operating the device as recommended, **USE EXTREME CAUTION** to avoid personal bodily injury or even death from getting crushed by a vehicle. ⚠️

- The Traction Jack has moving parts that could catch, crush, or injure limbs such as fingers and toes. When transporting the device, hold it firmly with both hands and do not hold with fingers in groves or between plates.
- Even though the device is designed with groves to help create drag in the sand and hold it in place under a spinning tire, users should stand clear of a vehicle once the Traction Jack is in place.
- If using the device as tire blocks in front of a winching vehicle, stand clear from the cable.
- When conducting driveway work, **NEVER** use the plates alone because there is always a chance the center mechanism could fail and drop the vehicle after too much strain. It is safer to drive the vehicle on to the set pair and place jack stands in appropriate positions.
- When performing a high-centered recovery **NEVER LIE UNDER AN UNSTABLE VEHICLE.**
- To prevent losing the Traction Jack in mud, water, or deep sand use the included recovery clip and rope.
- **NEVER** stack devices when using in a recovery, it is not safe.
- Do not carry Traction Jack by the speeder bar ring.
- Do not stand on a vehicle that is being recovered.
- Only use the traction side of the plates to free the vehicle.
- If not placed far enough under tire, it may cause damage to the rubber.
- After returning from each trip, hose down your units to clear sand and debris.



The Traction Jack

It was developed in 2008 by two ordinary teenagers who enjoy the outdoors and off roading. People get stuck in all kinds of situations whether it is sand on the beach, bottoming out in the desert, or loosing traction in the snow. Sometimes the only help around is rocks, twigs, and any form of trash to stick under the tire. I know the frustration having experienced hours of being stuck with no help or cell phone signal to call for help.

Sure people are used to doing it the traditional way or not open to try new solutions, but I can assure you the Traction Jack is the new age of vehicle recovery devices. We completely differentiate ourselves from the competition with the patented design of the center mechanism that makes this device so versatile. Now, not only can you recover your vehicle in more than one manner but you can also complete other tasks just as easily. To name some we have compiled a small list:

- Traditional flat surface recovery
- High centered or bottomed out
- Bridging device to get over those huge holes
- Flat surface to use WITH your hi-lift jack
- Tire blocks for a winching vehicle OR hill parking
- Driveway tire stands (Drive onto for more clearance)
- Boating trailer traction plates for beach launching
- Hard surface for standing on

So as you can see, there isn't any other product on the market where you can get so many uses out of one unit. It is very simple to use, low maintenance, and much safer than other options. The company has used the prototypes we developed for oil changes on our vehicles, deep soft sand recovery, bridging, high-centered situations, and even as a ramp to reach certain heights that would prevent the vehicle because of the bumper. We will continue refining the device and keep our customers in the loop with the newest innovation from the company and tips on vehicle recovery.



Standard Flat Surface Recoveries

(Center mechanism not needed)

1. Start by making sure the transmission is in “P” or park position.
2. Once determined that the vehicle is stable, assess which tires should be the best to use in the recovery.
3. Clear away debris from the tires with your hands or the shovel in the direction you wish to drive out. If you will back out, clear behind the tires and vice versa for driving forward.
4. Once you have cleared enough space to place the Traction Jack (TJ) right under the tire tread, you are ready to proceed.
(NOTE: it works best when you place the device halfway below the tire)
5. Grab each TJ and completely open them to the 4 feet flat position with the traction surface facing up. (You can keep them folded closed but you will only get 2 feet of traction).
6. **Make sure to attach the recovery clip and line to each TJ to hold onto and prevent burying them.**
7. Place one in front of each tire where you cleared the debris and make sure it has contact with the tire. (As mentioned, this step varies whether you are driving out straight or backing out).
8. **Make sure no one is standing in the path of the vehicle before moving anywhere.**
9. Once the TJ is in place you should simply be able to drive out. (Give enough momentum so avoid sinking right back in).
10. If sinking occurs repeat the steps.

*NOTE: you can also use the Traction Jack as an extra measure even if you have a pulling or winching vehicle. It puts less strain on either vehicle and cuts recovery time.



High-Centered Recoveries

(Center mechanism is needed)

1. Start by placing the transmission is in the “P” (parked) position.
2. Walk around the vehicle and make sure you and others aren’t in any immediate danger of the vehicle tipping.
3. Assess what you are bottomed out on, how many tires are in the air, and which one(s) you’ll be able to reach with the TJ. **(NOTE: do NOT lie underneath the vehicle).**
4. Get the center mechanism and slightly open the TJ so that you can slide it in the middle of the device until it rests in place.
5. Once it is in the appropriate position, secure the screws to each of the holes; two located in the front and two located near the hinge.
6. Now you will need the speeder bar to raise and lower the jack.
7. Start raising the mechanism by hooking the speeder bar in the ring and turning it like you would a car jack.
8. Raise it to a height just barely higher than the room from ground to tire so you can wedge it in and assure the tire will catch. (The Traction Jack only extends up to 45 degrees).
9. Once it is at an appropriate height to reach the free spinning tire as in step 8, wedge it underneath to gain traction. **(NOTE: Never stack 2 Traction Jack, it is not safe).**
10. Now you are able to back off the obstruction under the vehicle.

* As mentioned, you can use the Traction Jack as a hard surface for your hi-lift jack. You can also use it along *with* the hi-lift jack.
11. If you plan to use is along with the hi-lift jack, use the hi-lift as you normally would to raise the vehicle.
12. Then, simply clear the obstruction and place the Traction Jack flat under your tires so you don’t get dug back in once the vehicle is lowered. (For this, attach recovery clips)



Bridging and Trailer Support

(Center mechanism not needed)

Both methods are quite simple because they don't require any mechanical support. It's all about the situation and placement of the traction plates. Using the Traction Jack plates for bridging will take strain off the suspension because of deep drop-off's or even a twisted elevation where there isn't enough clearance. Below are a few pictures to help get an idea of these situations. If you are backing your boat trailer into the water off the beach, the Traction Jack plates offer the perfect solution to prevent sinking in the soft mud. (NOTE: in either situation using the recovery clip and rope are suggested.



Or before you bottom out in a situation like so:



Placing/Removing center mechanism

Version one:

There are 6 allen screws that need to be removed to take out the center mechanism. Four are located at the front of the device and the last two are at the back near the hinge. Remove all 6 equally for the center mechanism to slide out. When replacing, start with the back 2 and work on replacing each of the 4 “arms” back to the original position.

Version two:

Version two has 6 nuts/bolts that need to be removed. Three are on the top side in the form of a “V” and the other three on the bottom side in the form of a “V.” Once all six are removed from the plates the center mechanism slides out. (NOTE: whenever removing screws from the device be sure to bag them and keep them in one area because replacements aren’t available.)



Driveway work

(Center mechanism needed)

IMPORTANT Traction Jack has been tested successfully on the driveway to perform various undercarriage repairs. Out of all the vehicles tested we were able to gain at least 9 inches extra clearance! That was the difference of not seeing the underside of a 2006 RX-8 and being able to lie underneath. Users should **NOT** use the Traction Jack devices alone. **ALWAYS** place extra jack stands to help support the vehicle. Also, if not used properly because of too high of an incline, the user could cause damage to the bumper when backing off. Be sure to avoid this by comparing the ground clearance to how high you raise the Traction Jack.

1. Determine an appropriate height (angle) to raise each Traction Jack to. This needs to be evaluated because some vehicles are lower than others and can't take much incline.
2. Place two devices at the wheelbase width apart to prepare for driving up onto.
3. Slowly proceed to the devices and stop right before touching.
4. Place the vehicle in "P" (park) and get back out to make sure no adjustments need to be made.
5. Once back in the vehicle, make sure you are using light acceleration and gently start to climb.
6. About $\frac{3}{4}$ the way up stop, place the vehicle in "P" and engage the parking brake.
7. The car will roll down a small amount so you will want to evaluate if it will allow enough room to work.
8. Get out and place jack stands where appropriate.
9. Continuously monitor the vehicle and each Traction Jack.
10. When finished, get back in the vehicle and place in "R" (reverse)
11. SLOWLY back off until the front bumper has cleared the Traction Jack devices.

