



**Solar/ Plywood
Panel Accessory
Owners Manual**
Updated: 11-2-17

***For the Most Up to Date
Information and Instructions, Visit the TranzSporter Web Site at
www.tranzsporter.com.***

**Solar/Plywood Panel Accessory for TP250 Platform Hoist
Part #48469**

**Kit Includes: solar brackets left and right, roof top anchor kit, cable drum assembly with extended cable,
solar/plywood carriage weldment.**

**Solar/Plywood Panel Accessory for TP400 Platform Hoist
Part #48467**

Kit includes: solar brackets left and right, roof top anchor kit.

**Both TP250/400 Models
Requires Secondary Handle Kit #48468**

Safety Instructions

CAUTION: Please read the safety warnings and instructions contained in this manual before operating the lift hoist. Failure to obey the warnings contained herein could result in damage to the equipment, personal injury, or death, this information should not be a substitute for routine accident prevention, but rather an addition to routine accident prevention.

GENERAL SAFETY INSTRUCTIONS:

1. Transport and handle your lift hoist with care.
2. Unpack the TranzSporter carefully and inspect for any damage that may occur during transportation. **DO NOT USE THE HOIST IF ANY PART IS DAMAGED.**
3. Please observe all safety and warning labels attached to the hoist.
4. Use only replacement parts furnished by the manufacturer.
5. Always keep the area around the base section of the TranzSporter hoist clear to help prevent slipping, tripping or falling against the hoist.
6. **DO NOT ALLOW ANYONE TO OPERATE THE TRANZSPORTER HOIST WHO HAS NOT BEEN THOROUGHLY AND PROPERLY TRAINED IN THE CORRECT OPERATION AND USE OF THIS HOIST.**
7. This hoist is manufactured to lift materials only. Do not use the lift hoist for the purpose of transporting personnel from one level to another.
8. Do not climb the TP-Series hoist or use as a personnel ladder.
9. Do not overload - maximum lifting capacity for the TP250 is 250 lbs. with a load capacity of 230 lbs. Maximum lifting capacity for the TP400 is 400 lbs. with a load capacity of 380 lbs.
10. Keep hands, feet and other body parts as well as clothing away from the track sections and moving or rotating parts of the TP-Series hoist when starting the engine or when operating the hoist.
11. Do not allow any persons to walk or work under or near the TP-Series hoist while in operation.
12. Do not use this hoist to transport hot asphalt or any other hot molten substance from one elevation to another.
13. Store all parts of the TP-Series hoist in such a fashion as not to damage any of the components.
14. Do not operate indoors or in an area with poor ventilation. Electric motor model is excluded.
15. Never lift sheet or panel goods without the use of the plywood brackets and the tie down straps provided (see page 9).

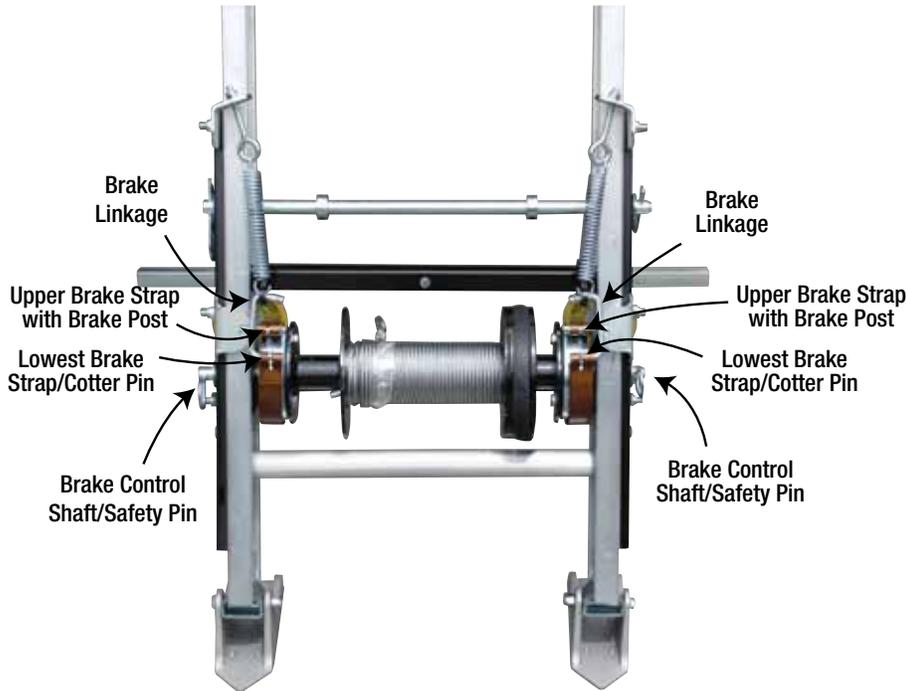
Remember: Safety First!!

Warning labels are attached to the TP250/400 and are weather resistant. If you notice any of these decal's missing from your hoist, please contact TIE DOWN ENGINEERING for a replacement label.



Cable Drum Replacement for the TP250 Hoist (Instructions for the TP400 Hoist skip to page 6.)

In order for the Solar/Plywood carriage to function properly the cable drum must be replaced with higher capacity and longer length cable.



Step #1

Lay the base section flat on the ground with back side up. Place the handle on either side of the brake release bar. Pull the brake handle down towards the hoist feet, this will release tension on the drum and may require two people.

Step #2

While tension is applied to the brake release, remove small cotter pin on lowest brake strap. Slide the brake linkage out of the drum brake strap. Repeat for the other side. Release the brake handle.

Step #3

Remove the small cotter pin from the upper drum brake strap. Slide the brake strap over the brake drum releasing it from the brake post. Repeat for the other side.

Step #4

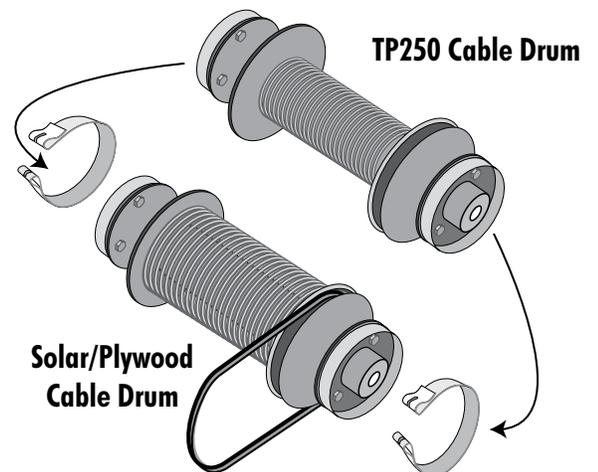
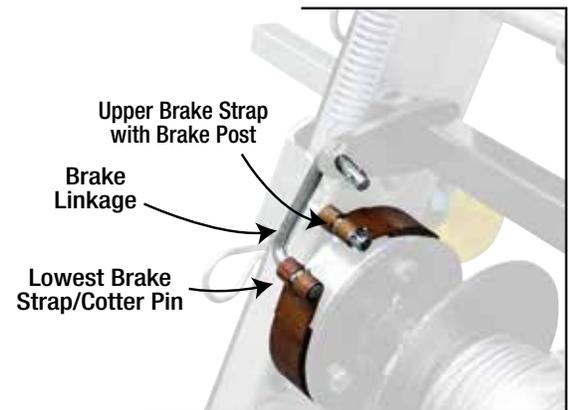
Remove the safety pin/washer from one side of the brake control shaft. Pull out the brake control shaft from the opposite side of the base.

Step #5

Using both hands: grab the cable drum assembly and the brake straps. Pull straight outward until the assembly is fully free of the base section. Set the cable drum assembly to the side.

Step #6

Place the replacement cable drum in front of the TP250 cable drum assembly (side by side, only front and back). Make sure the "V" belt drive is in the same side/position for both assemblies. Move drive belt to the replacement cable drum. Slide off the brake straps on both ends and place them in the same position on the replacement cable drum. See illustration on right.



Cable Drum Replacement for the TP250 Hoist

Continued

Step #7

Using both hands: grab the replacement drum assembly and the brake straps. Position the replacement cable drum in front of the base section. Slide the assembly straight inward; the cable drum should fit between a "Forked Spacer" on each side.

Step #8

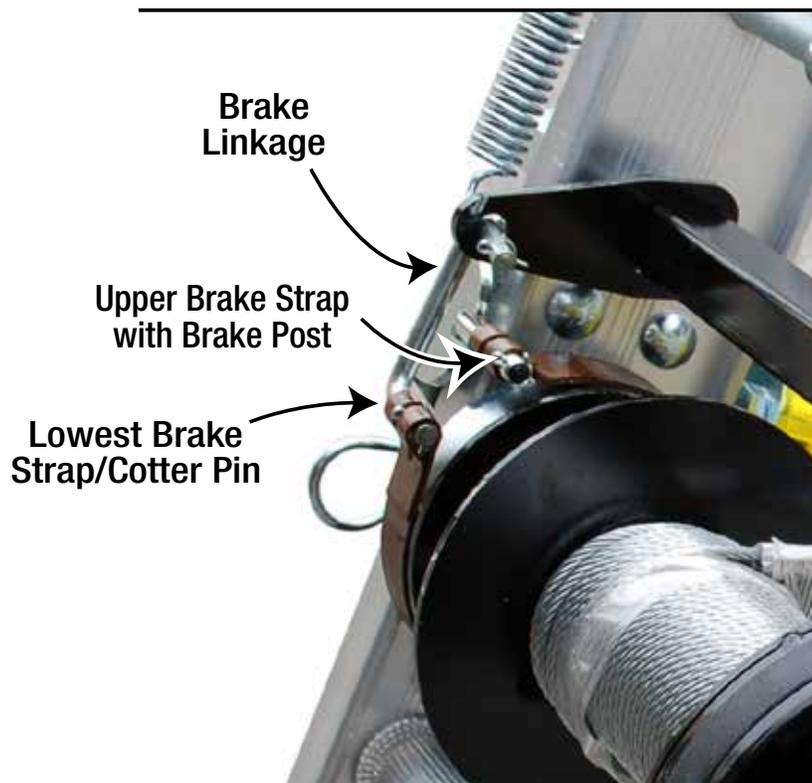
On one side, slide the brake control shaft thru the base section and pass thru the cable drum assembly out the other side on the base section. Place washer over the control shaft and attach safety pin. The cable drum should rotate freely. Both brake straps should fit over the replacement drums with the "Open" section of the straps on the same side as the tension springs.

Step #9

Slide the upper brake strap over the brake post. Attach small cotter pin to the end of the brake post. Repeat for the other side.

Step #10

Pull the brake handle down towards the hoist feet, this will release tension on the drum and may require two people. While tension is applied to the brake release, slide the brake linkage into the lower drum brake strap. Attach with a small cotter pin. Repeat for the other side. Release the brake handle.



Carriage Replacement for the TP250 Hoist (Instructions for the TP400 Hoist skip to page 6.)

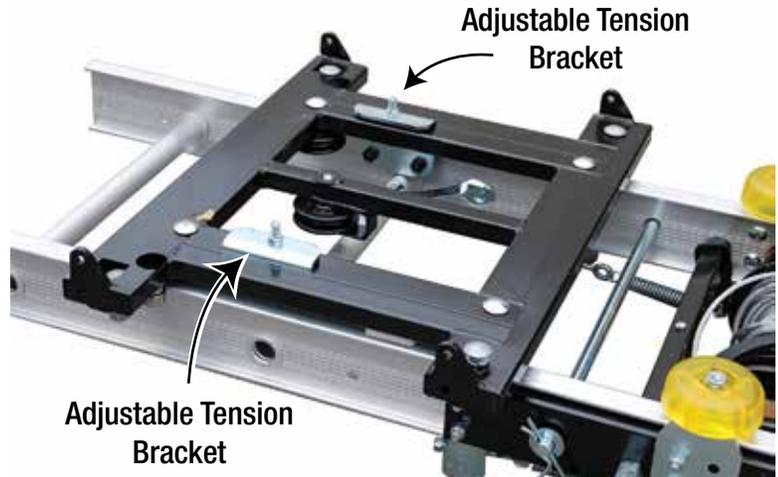
In order for the Solar/Plywood carriage to function properly the TP250 Carriage must be replaced with the Solar/Plywood Carriage.

Step #1

Remove the top cap with a 7/16" wrench.
(one bolt/nut on each side)

Step #2

Starting at the top of the track section position the carriage so that it matches the photo on the right. Slide carriage assembly onto track section so that the four rollers connect to the top rail of the track section.



Step #3

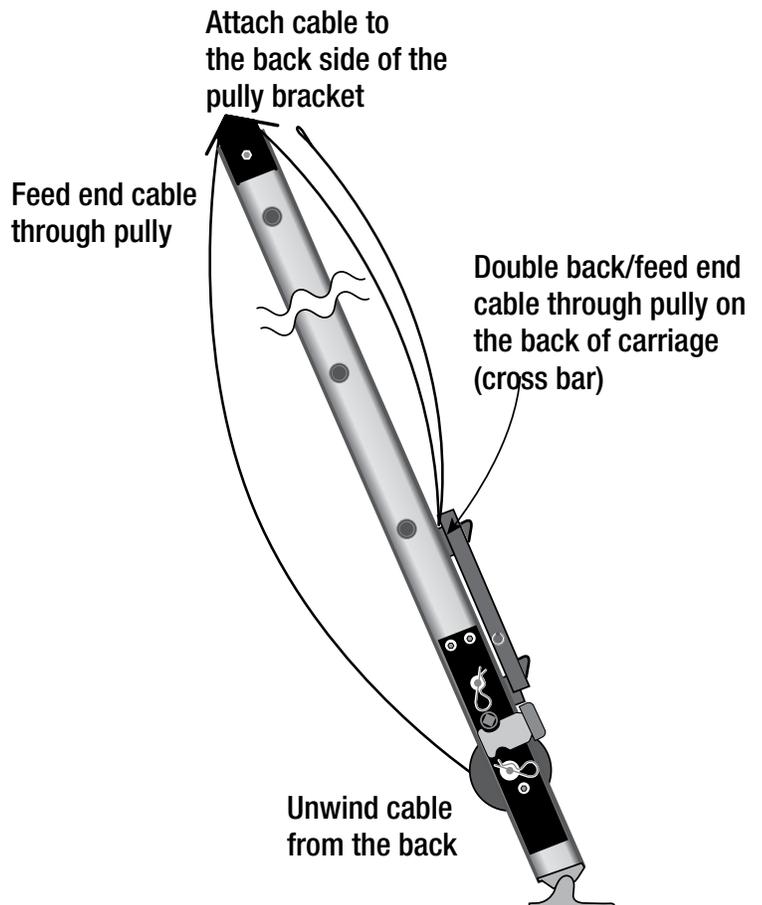
Adjust Tension Bracket - Make sure the Solar/Plywood carriage rollers are on track, and the carriage rolls easily. There are two adjustable track roller guides on the inside carriage assembly (see right). Turn the nut clockwise or counter clockwise to adjust the tension (free play) between the carriage and the tracks. If the carriage moves too much in and out, tighten the adjustable tension bracket nut. Correct adjustment should allow for minimal contact between the carriage and the tracks.

Step #4

At this time assemble track sections to the height needed. Please follow the track assembly instructions included with your hoist owners manual.

Step #5

From the back side of the hoist, remove the end of the cable from the drum (shown right). It helps to attach the brake handle, pulling the brake handle releases the brake drum. The cable will then easily un-spool. Staying on the outside (back) of the base section and track section, take the cable to the top of the last track section.



Carriage Replacement for the TP250 Hoist Continued

Step #6

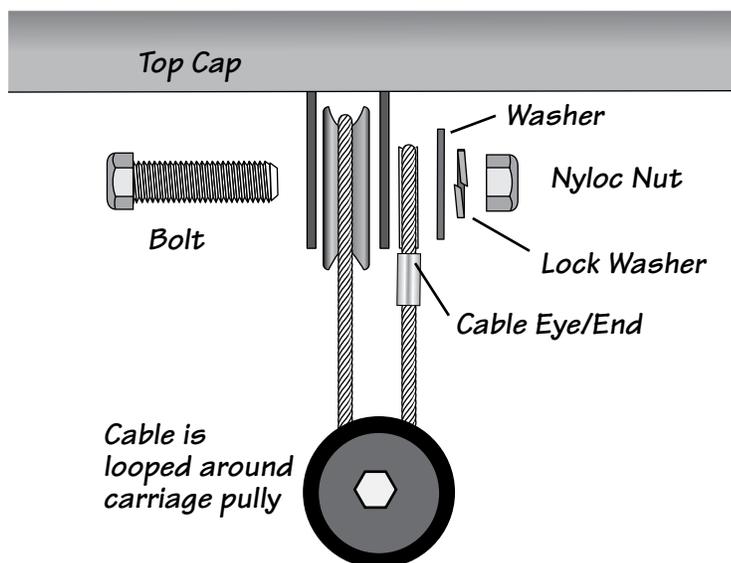
Feed the cable end through the pulley at the top, and back down the front side of the track section to the back of the carriage assembly.

Feed the cable end through the pulley on back of solar/plywood carriage. Return the cable end to the top cap.



Step #7

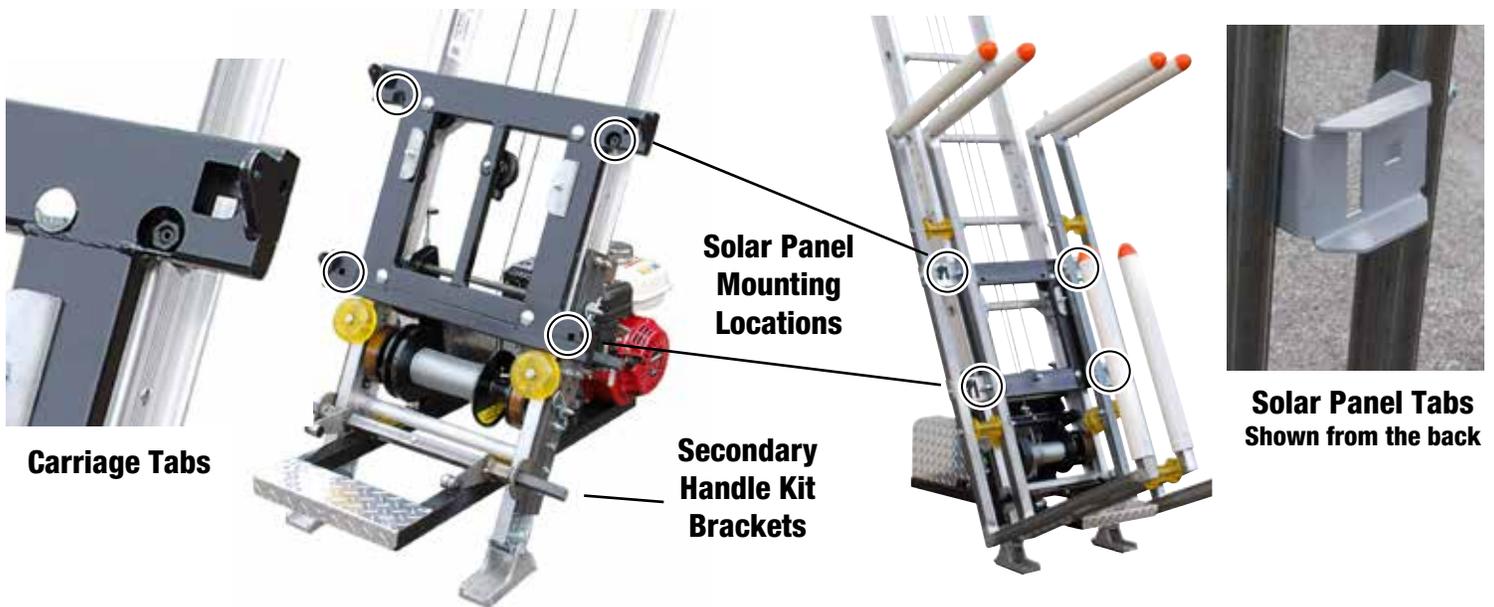
Remove the nyloc nut/washer/lock washer from the top cap assembly, place the eye end over the bolt, replace the washer/lock washer and tighten the nyloc nut as shown right.



Solar Panel/Carriage Assembly for the TP250/400 Hoist

Refer to the TP250/400 Owners Manual instructions; determine hoist height needed and follow the track assembly instructions. Place the assembled hoist/carriage (without solar brackets) in the appropriate work site location. Place the base section at the proper "Base to Building" distance stated in the owners manual.

Due to the size and positioning of the solar panels the Secondary Handle Kit (#48468) is required for operator safety. If the secondary handle has not already been installed, do it now. Please follow the installation instructions included in the hoist owners manual.



Step #1

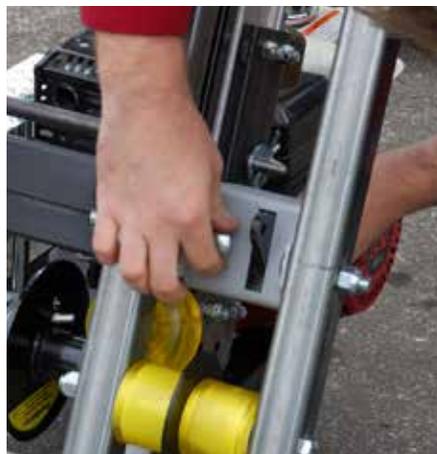
Carefully place one solar panel bracket over the "Tabs" shown on the carriage. There are also locking tabs on the back side of the solar panel brackets. Once in position the solar panel brackets should rest in the proper mounting position. Repeat for the other solar panel bracket.

Step #2

From the front: insert bolt into the mounting hole located just inside the tab. There are two bolts/nuts per bracket. Fasten with nut and tighten both nuts. Repeat for the other solar panel bracket.

Step #3

Attach brake and secondary handles.



Solar/Plywood Tie Down and Lifting Instructions

⚠ WARNING ⚠ WARNING ⚠ WARNING ⚠

FAILURE TO READ AND UNDERSTAND THE OPERATING INSTRUCTIONS CAN RESULT IN PROPERTY DAMAGE, PERSONAL INJURY OR EVEN DEATH TO USER OR OTHERS

- Use the proper tie down equipment - If you are not securing your cargo with the proper safety straps, it could come loose during lifting, resulting in injury or death.
- Never hoist anything wider than the 8" - Larger plywood sheets can make controlling your hoist difficult and dangerous, especially when considering windy conditions. Wide panels must be centered to prevent tipping.
- Attach your safety straps to slotted tie-down points - Do not hook your tie-down straps to the plywood, straps must pass over the top. Secure your safety straps to the carriage top flaps slotted holes (the metal frame) and to the plywood brackets only (refer to the drawings for tie down slot locations).
- Maintain a manageable speed - The wind's effects on sheets of plywood or panel goods, as well as the higher center of gravity, can make hoisting difficult and dangerous.
- Check all tie-down connections. Safety straps may come loose during transport. Always check strap for damage or wear. Replace when damaged or worn.

**Tie Down Points
(two per bracket)**



Safety straps attach at the tie down points and over laps the solar/plywood and back to the opposite tie down point.



Roof Anchor Installation Instructions

1. Position hoist according to owner manual specifications with a minimum of 3 ft. above the eave of the roof.
3. From the roof top: Place strap against the rung, feed the anchor plate through the loop end so that it captures the rung then tighten snugly. Make sure that both straps are close to the hoist side rail.
4. Extend strap with anchor plate behind the hoist side rung to an anchor point on the roof. Locate the nearest rafter to secure the anchor plate
5. Install a nail or deck screw on the roof decking underneath shingle tab and into the nearest rafter. Leave head slightly raised so key slot can slip over.
6. Place anchor plate over nail through the key slot on both straps. Nail or screw down. Once firmly attached to the roof tighten slack on strap.

Make sure that the strap stays clear of the carriage/tracks at all times by attaching to the rung close and under the rails.