



T-Connectors



Bolt Pack



Accessory Pack



Top Platform Assembly Legs



Horizontal Tube (3 Hole)



Gear Bracket



8 Inch Aluminum Insert (Long)



4 Inch Aluminum Insert (Short)



Height Adjustable Insert (5 Hole)







Green Handle w/ Brake Release + Yoke



S-Frame



Caster w/ Brake (x2)



Caster w/out Brake (x2)



Pawl



Top Platform



Left & Right Base Frame



Support Rail (x2) & Extensions (x2)

S-Frame & Top Platform





Casters w/ Brake (x2) Casters w/out Brake (x2)





Left & Right Base Frame, Top Platform Legs, Horizontal Tube, 8in Insert, 4in Insert, Left & Right Y-Frame + Support Crossbar



Bolt Pack



Accessory Pack



Pawl



Gear Bracket

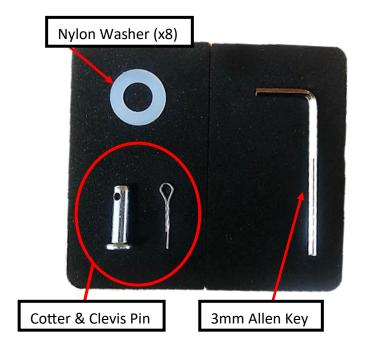


Support Rails & Extensions











*Note: If you received a Pull Plunger, please DO NOT USE it as it was removed from this lift due to over engineering.









D-Locking Pins (x4)





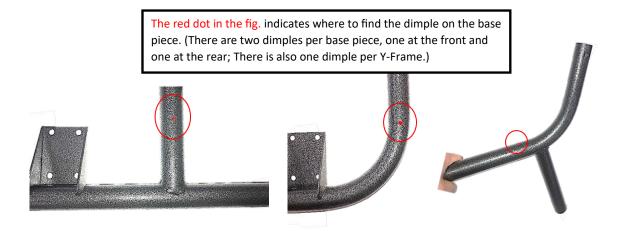
TOOLS YOU NEED



1.) Install all 6 T-Connectors as shown in the Fig. below using the **5mm** Allen key, all lower assembly pieces will have a dimple/ marker on both sides of the base that indicate where the T-Connectors sit. Tighten them loosely on the middle of the dimples on both left and right base pieces, and Y-Frames.

(Do Not Tighten T-Connectors All The Way, Just Snug)

- *See Figures Below*
 - a. (It is important that you install all T-Connectors prior to construction)
 - b. (All T-Connectors must sit halfway on the dimple/ marker to ensure your base and Y-Frames are lined up)



Once you have located all your dimples you can start adding the T-connectors to the pieces mentioned above. Remember to put the T-connectors halfway on the dimples for stability. (Do this for both L & R Base Frame and L & R Y-Frame)

See fig. below to see how the T-connectors should look







2.) Once you have attached all the T-connectors to the L & R Base and Y-Frame, you can then connect the Y-Frame with the T-connector on it to the Base Frame. You simply insert the Y-Frame into the T-connector closest to the Front of the Base Frame and then sit the rear end of the Y-Frame into the rear T-connector.

*See Figures Below

For easy fitment install the front of the of the Y-Frame to the Front of the T-connector, followed by the rear of the Y-Frame into the Rear T-connector.



After you have finished attaching the Y-Frame to the Base pieces, it should look like this.



3.) The next step is to grab the two **8in Aluminum Insert (Long)** and four **M10x50 Bolts/Nuts**. Install the 8in Inserts (x2) into the Left or right half of the base with two M10x50 Bolt/Nut **(Use the 17mm wrench & 8mm Allen Key)**. After installing the 8in Inserts in one half of the base, you will then take the other half, slide it on, and then tighten it together with the other two M10x50 Bolts/Nuts.

*See Figures Below

*Note: After you finish this step you can tighten all the T-connectors that touch the base.

Do Not Fully Tighten T-Connectors on Y-Frame







4.) Take your **Support Cross Bar** and insert it into either one of the Y-Frame T-Connectors. After that you will just rotate the Support Bar into the other T-connector and tighten them with the 5mm Allen Key.

See Figures Below

*Note: When you complete this section of assembly you can now check all your T-Connectors and tighten them all the way.

When tightening T-connectors please remember to not over tighten as they will crack and break from excessive force.*



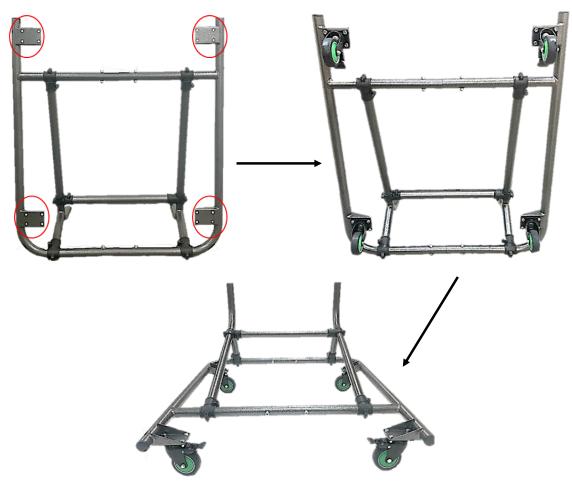
5.) Grab your **4 Casters**, **6mm Allen Key**, **13mm Wrench**, and your **16 M8x16 Bolts/ Nuts**. Take your Completed Base Frame and lean it onto its back for easier Installation, line up the holes on the Casters to the holes on the Base Frame and insert the **M8x16 Bolts** into the now lined up holes in the Casters..

(Casters w/ Brake should go on Front side of the base.)

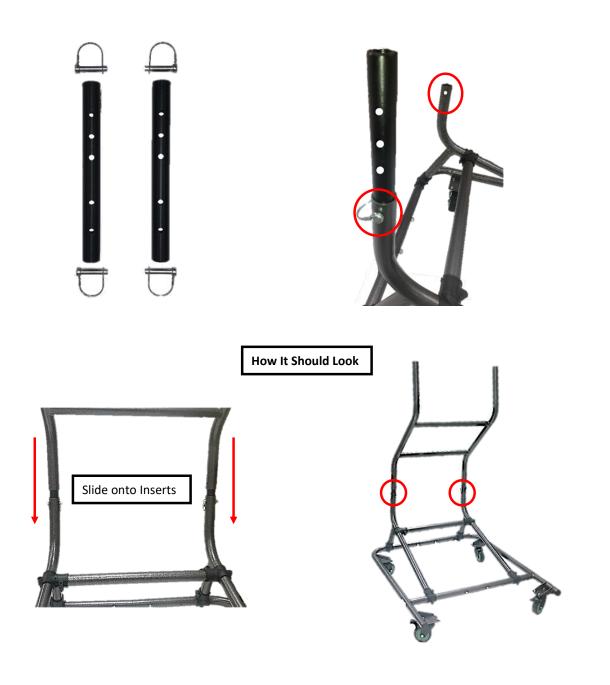
See Figures Below



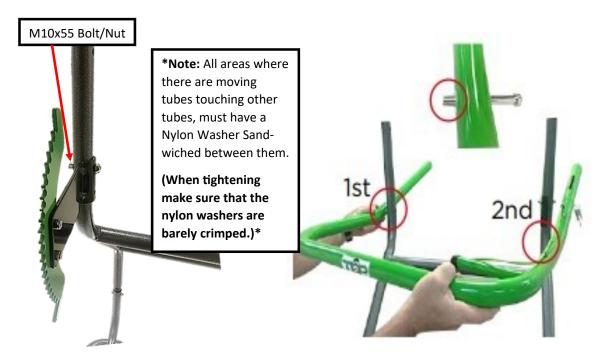




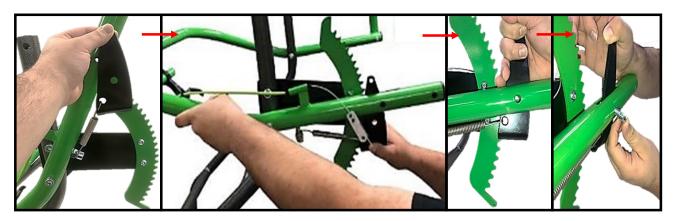
6.) With the Base completed and the Casters on, you will grab the Height Adjustable Inserts and D-Locking Pins. Take the insert and with the side that has two holes and insert it into the top of the Y-Frame (Make sure you line up the hole in the Y-Frame to Second Highest Hole in the Insert). Take the D-Locking Pin and insert it into the now lined up hole and lock it into place. With your Height Adjustable Inserts now in place, grab the S-Frame and slide it on to the Inserts (Top D-Locking Pin is not required for Stock Option TLPs).



7.) With the S-Frame now on, you will grab the **Gear Bracket**, **Green Handle**, **Nylon Washers**, and **M10x55**, **M10x90**, **M10x95 Bolt/Nuts** (Use the **18mm Wrench & 8mm Allen Key**). The Gear Bracket will go on the side of the S-Frame that has the 3 holes, take the Gear Bracket and line it up to the middle hole on that side. Take your **M10x55** Bolt and put it through the now lined up hole and tighten it. With the **Green Handle** line the hole on the handle with the lower holes on the S-Frame, take your **M10x95** and insert it into the lined up hole on the Bracket side. With your **M10x90** insert it onto the opposite side. **(MAKE SURE TO PUT NYLON WASHER**



7a.) With the Green Handle and the Gear Bracket now attached to the S-Frame, you can now grab your **Spring** and **Pawl**. Hook the Spring onto the bolt that is underneath the Green Handle on the Gear Bracket side, and then with the other side of the Spring, hook it onto the bottom left hole of the Pawl. With the Spring now hooked to the handle and the Pawl you can now insert the Pawl into the slotted hole in the handle. Adjust Pawl in the slotted hole to fit another **M10x50 Bolt/ Nut** through it.



8.) Grab your two **Top Platform Assembly Legs**, **M10x90 Bolt/Nuts**, and some more **Nylon Washers**. Take your Platform Assembly Legs and on the side that has one hole put the M10x90 bolt through it with a washer on the end. Take the Platform Assembly Leg with the bolt and washer through it and put the rest of the bolt through the hole at the end of the Green Handle and tighten.

(REMEMBER TO ONLY CRIMP THE NYLON WASHER A LITTLE, DO NOT OVER TIGHTEN).

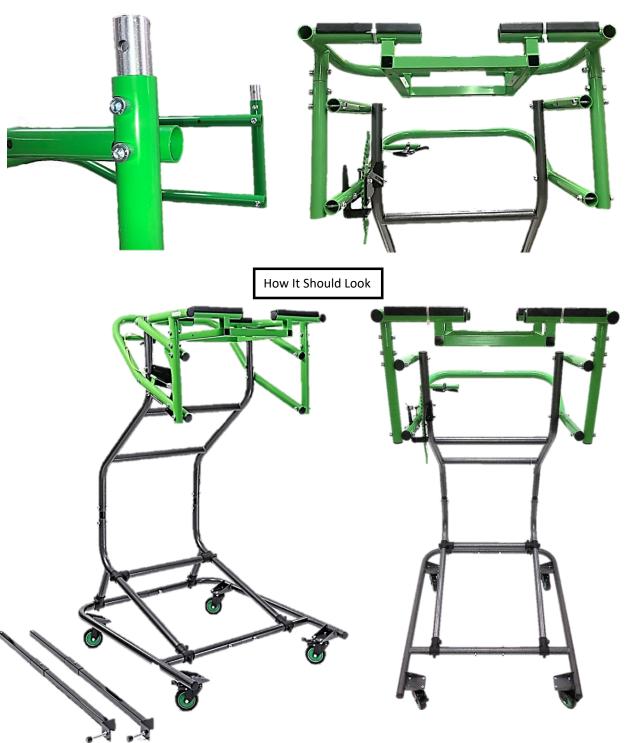


8a.) Grab your two Horizontal Tube (3 Hole), M10x90 Bolt/Nuts, and some Nylon Washers.

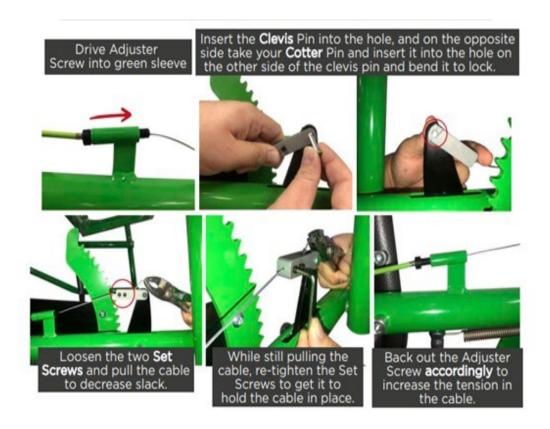
On the left side of the 3 Hole Tube Insert the M10x90 bolt and put a washer on the end of it once you have done so. Attach the 3 Hole tube with the bolt in it and washer on it, to the top hole on the **S-Frame** and tighten it gently. Now that you have attached the 3 Hole Tube you can now grab another **M10x90** bolt and put it through the **right hole** of the **3 Hole Tube**, put a washer on the end of the bolt and insert the **bolt/washer** combo into the **second lowest hole** on the **Top Platform Assembly Legs** and tighten it gently.



9.) With the upper assembly now constructed you can grab your **4 Inch Aluminum Insert (Short)**, **M10x50 Bolt/Nuts**, and **Top Platform**. Take your <u>Short Aluminum Insert</u> and put it <u>into the top of the Top Platform</u>
<u>Assembly Legs</u>; now with the hole lined up to both the Short Insert and the Assembly legs, insert the M10x50 bolt into the hole and tighten it. After you have put the insert on you can now take the <u>Top Platform and put it on top of the short insert</u>, line the holes up, insert the other M10x50 and tighten.



10.) With the TopLift Pro now fully constructed, we will move onto the **Cable Adjustment**. Take your **Yoke** that is attached to the <u>Green Handle</u>, and with the Cotter/ Clevis pin connect the hole at the top of the **Pawl** to the lined up hole in the Yoke. Now that the Yoke is connected to the Pawl, take your <u>Adjuster Screw</u> (Black Screw Built into Green Handle) and drive it <u>INTO</u> the green sleeve its housed in; by doing this it decreases the amount of SLACK in the cable. Now that the Adjuster Screw is all the way in, <u>untighten</u> (DO NOT REMOVE) the two Set Screws in the <u>Yoke</u> with the <u>3mm Allen Key</u>. Pull the end of the cable that is going through the yoke until all the wire is straight and tight; while holding the cable and keeping it tight, you can now <u>re-tighten</u> the Set Screws so they can hold that point of the cable. With the Yoke connected to the Pawl, the cable pulled through, and set screws holding the correct point on the cable; you can now take that <u>Adjuster Screw</u> mentioned before and back it out until you have the maximum amount of tension possible. Once you have do this step your lift is now complete, try out the handle before using the mechanism and see if it clears all the teeth on the gears. If it does not, then continue to back out that Adjuster Screw until it does so.



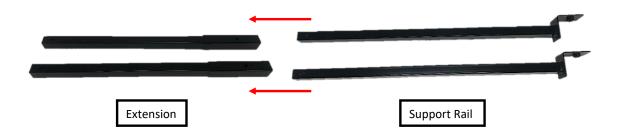
Support Rails & Extensions: Support rails and the extensions that connect to them are items that are meant to be used once you have already removed your Hardtop with you TLP. In order to Connect the Support Rail and the Extension you will use the **Snap Pins** provided in the **Accessory Pack**. Take the Snap Pins and compress them into a **V-Shape** to make inserting them easier, then put them caddy corner into the Support Rail. With a flat head screwdriver spin them until they snap into the two holes on both sides of the rail. Now with that completed simply snap the Support rail into the Extension. With a now fully built support rail you will lift up on the front of the Hardtop, and drive them into the **square holes** in the **front** of the **Top Platform**.

(This for those who need to use the extensions or their 4 Door Wranglers)

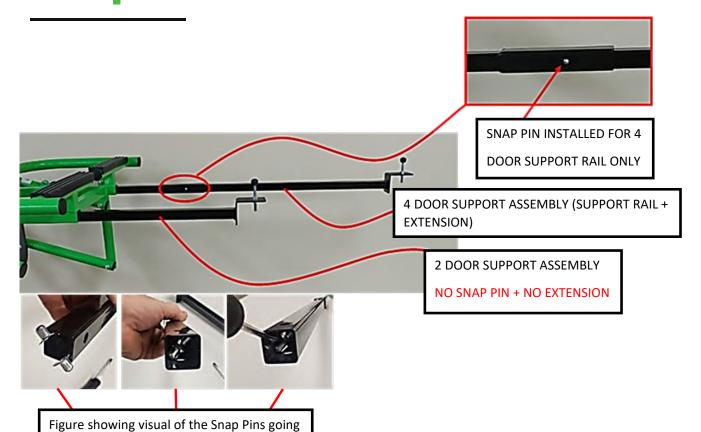
Insert Snap Pins caddy corner, and with a screwdriver spin them until they snap in place. See figure on next page for visual.



With Snap Pins in place, you can now insert the Support Rail into the Extension.



into the Support Rail.



FORWARD

*Note: All TopLift Pros have a slanted degree, this is to help make removing the hardtop easier as it is meant to lift the front bill of the hardtop first, that way it does not drag over the top frame when being pulled away from the vehicle.

Operating Instruction Manual

TopLift Pros

On level ground (CAN HAVE SLIGHT INCLINE OR DECLINE) with smooth surface prior to top removal. Need T40 Torx Bit.

Unfasten and Remove two front roof top Freedom Panels.

Unscrew (2) bolts located each side of top, between front and rear seating fastening top over speaker bar area.

Swing open cargo door, lift cargo rear glass ajar completely.

Unscrew (6) Torx bolts fastening hardtop in cargo area (3) on each side.

Detach Electrical connection to hardtop driver side gate rear before removing top.

Move into place <u>TopLift Pro</u> by rolling lower unit between wheels of vehicle and upper assembly entering cargo area centered in place. (Be sure to <u>lower</u> upper assembly to clear opening to cargo area).

If needed, measure or review LIFT CHART for appropriate placement of pins and holes detail.

At two points, each side driver and passenger, LIFT top slightly to loosen hardtop from vehicles main body.

Gently press downward upon Handle leveraging upper assembly into place onto bottom or underside of hardtop.

Now apply pressure to handle downward to lift hardtop from body (Click & Gear will operate).

Do Not engage lever on Handle that operates Click to Gear.

Lift enough to clear alignment tabs (black plastic pins under top base) that insert into body of vehicle.

Lift enough to clear rear gate when rolling backwards and away from vehicle clearing Spare Tire.

NOTE: On 2 Door models, Support Rails Do Not need the extension piece.

Be sure that Click is engaged to Gear prior to moving. And double check that you have disconnected wiring harness from hardtop.

You'll know by the way it feels like an Anchor if you didn't... J

You may now gently pull backward upon handle or if you prefer vertical upright legs.

Keep in mind to roll off slight angle to clear spare tire and just be sure to watch all areas including roll bar.

Roll back away from vehicle.

4 DOOR - Insert (2) Support Rails with Extension pieces. Snap pins into holes through support rails each side prior to moving hard-top about, lowering or raising.

NEVER PULL LEVER ON HANDLE UNTIL

You may lower hardtop if necessary by firmly PUSHING DOWNWARD ON HANDLE and disengaging powl to gear by LEVER located

on handle assembly. DO NOT LET DROP... Release lever at desired height and ensure that click is engaged to gear.

You may raise hardtop to desired height simply pressing downward upon handle only and not touching lever engaging click/gear.

This is best suited when you have rolled into very close proximity where you wish to raise for clearance purposes (garage for example) to park your vehicle. PLACE FREEDOM PANELS ON HARDTOP FOR SAFE AND SECURE LOCATION.

DO NOT MOVE HARDTOP MOUNTED UPON TOPLIFT PRO IN 100% RAISED POSITION, LOWER TO MOVE INTO DESIRED LOCATION.

Store Freedom Panels upside down on a clothe or barrier on main hardtop. Then raise.

DO NOT MOVE BY PUSHING FROM FRONT OR SIDES. Only <u>FROM REAR</u> Handle area or Upper Assembly main legs. I have found that is best to pull gradually making certain that any bumps along the way are detoured.

DO NOT PUSH ON HARD TOP ITSELF for this is an unsafe force of action.

Need assistance, please contact us at <u>tech@topliftpros.com</u> and a representative will serve you. Or simply call us to serve you.

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LIMITED LIFETIME WARRANTY

Warranty

Alien Technologies Corp warrants your product to be free from defects in metal tube materials and workmanship for lifetime from original date of purchase or receivership of shipping, whichever is determined to be date of ownership. If you discover a defect in a product covered by this warranty, we will repair / replace using new parts and if repair is not possible, replace item. All moving parts are warranted for a period of twelve months.

Exclusions

This warranty covers defects in manufacturing discovered while using the product as recommended by the manufacturer. The warranty does not cover loss of theft, nor does coverage extend to damage caused by misuse, abuse, unauthorized modification, improper storage conditions, lightening, or natural disasters. The warranty does not cover parts that are subject to normal wear and tear replacement requirements, such as easters worn from constant use.

Exclusions

Should this product fail, your sole resource shall be repair or replacement, as described in the preceding paragraphs. We will not be held liable to you or any other party for any damages incurred as a result from improper use and failure of this product. Damages excluded include, but are not limited to, the following; damage to vehicle, other equipment, dwelling, and incidental or consequential damages arising from the use, or inability to use this product. In no way will Alien technologies Corp be liable for more than the purchase price of your product, not to exceed the current list price, and excluding tax, shipping and handling charges.

Alien technologies Corp disclaims any other warranties, express or implied.

How To Obtain Service Under This Warranty

Please contact Alien technologies Corp via phone 321.425.4336 or email at info@topliftpros.com



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