

PLR/PBX

Chassis Assembly

The pull chassis for your landscape rake or box scraper will require some assembly. Prior to assembly check the items of this carton to make sure you received all the parts required prior to assembly. If you are missing items please contact customer service at 217-324-5973 for assistance with obtaining replacement parts. Refer to the exploded parts view in your owners manual for additional detail information.

The following items are contained in this carton:

Beam Hitch Assembly	(1)
Wheel Pivot Assembly	(1)
Leveling arm & plate Assembly	(1)
Wheels	(2)
Top Link Cylinder	(1)
Rope	(1)
Mounting Hardware	
Bolt - $\frac{3}{4}$ "-10NC x 5 Hex	(2)
Bolt- $\frac{3}{4}$ "-10NC x 3-1/2" Hex	(1)
Nut - $\frac{3}{4}$ "-10NC – Nylock Hex Jam	(3)
Washer $\frac{3}{4}$ " Medium Flat	(2)
Nut- $\frac{3}{4}$ " – 10NC Hex	(2)
Bolt- $\frac{1}{2}$ " – 13NC x 3" Hex	(2)
Washer $\frac{1}{2}$ " Spring Lock	(2)
Nut $\frac{1}{2}$ " – 13NC Hex	(2)
Bolt $\frac{5}{8}$ " –11NC x 2 Hex	(2)
Washer $\frac{5}{8}$ " Spring Lock	(2)
Nut $\frac{5}{8}$ " – 11NC Hex	(2)
Bolt 1" 8NC x 4 Hex	(1)
Washer 1" Medium Flat	(2)
Nut 1" –8NC Nylock Hex Jam	(1)
Shift Pin $\frac{1}{2}$ " x 3-1/4"	(2)

1. Remove contents from shipping carton and lay on a clean surface. Checking to make sure all items are present prior to assembly.



2. Using the $\frac{3}{4}$ " – 10NC x 5" hex head bolts attach the wheels to the wheel pivot assembly and secure in place with $\frac{3}{4}$ " – 10NC Nylock Hex Jam nut. Note: Make sure that the $\frac{3}{4}$ " full hex nut and $\frac{3}{4}$ " flat washer are installed on the $\frac{3}{4}$ " x 5" bolt prior to the bolt being installed to the frame. (see exploded parts view in owners manual) Make sure wheel turns freely.



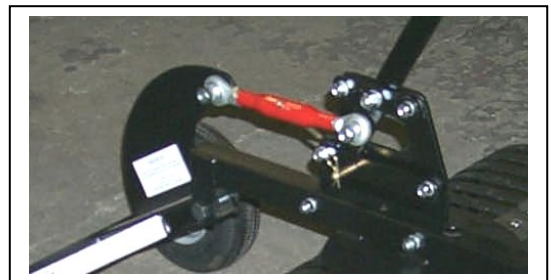
3. With the aid of another person position the wheel assembly in an upright position and attach the beam hitch assembly to it using the $\frac{3}{4}$ " – 10NC x 3-1/2" hex head bolt securing with $\frac{3}{4}$ " –10NC Nylock hex jam. The chassis (main frame) is now created. Note: Do not over tighten $\frac{3}{4}$ " x 3-1/2" bolt as it is the pivot joint and the parts need to move as the frame is raised and lowered.



4. Lower the main frame and attach the leveling arm & plate assembly to the left-hand side (standing behind unit) of the beam hitch assembly. Use the two $\frac{1}{2}$ "-13NC x 3" hex head bolts with lock washers & hex nuts. Make sure units is assembled in right direction and tighten bolts.



5. Install Top Link assembly securing it to the wheel pivot assembly and to the leveling handle assembly with two $\frac{5}{8}$ " – 11NC x 2" hex head bolt securing with $\frac{5}{8}$ " spring lock washers and $\frac{5}{8}$ "-11NC hex nuts. Tighten bolts.



6. Attaching the tine bar or box scraper assembly to the chassis (main frame) will require the assistance of another person. It is suggested that you hook the clevis hitch to main frame of your ATV before assembling. If this is not possible, block the hitch off the ground 5-6 inches.

7. Slide the landscape rake tinebar assembly (or box scraper see step 8) under the pull chassis. Raise the front of the tinebar and block below the angle tinebar. Insert the 1"-8NC x 4" hex head bolt through a 1" medium flat washer and then into the angle adjustment plate on the tine bar and then through the 1" diameter hole in the main frame (threaded end up). Place 1" medium flat washer on bolt and secure with 1"-8NC Nylock hex jam nut. Tighten to remove excess looseness, but make sure tine bar can pivot.



8. To assemble the box scraper assembly, slide the box scraper under the chassis (main frame) and install the 1" hex head bolt as described in step 7 for the landscape rake tinebar assembly. Then install the two 1/2"-12NC x 1-1/4" into the rear of the main frame circle plate and the mounting bracket on the box scraper. Note: Bolts included in box scraper.

9. Install the pull rope (provided) into hole of the level arm and secure with a knot.

10. Install one shift pin in the handle leveling assembly.

11. Install the 2nd shift pin in the rake tinebar-positioning hole to position the tinebar. Note: this second shift pin is not required with the box scraper.

