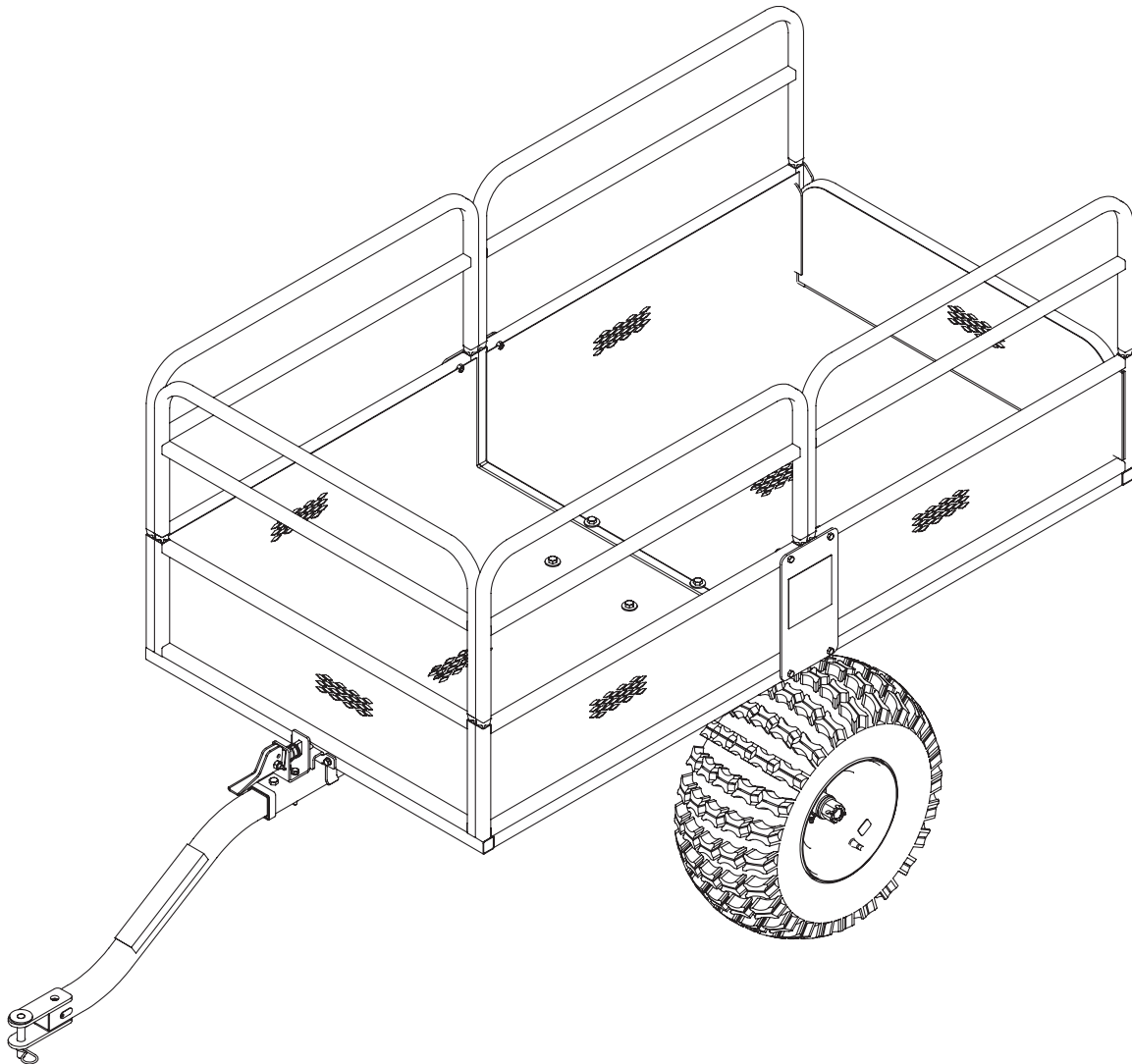




Owner's Manual  
**TX160**  
**High Gear™ S2™**  
**Two-Wheel**  
**ATV Trailer**

Rated Capacity - 1250lb



Get parts online at  
**[www.yutrax.com](http://www.yutrax.com)**



P/N: 24827  
REV1: 08/05/16  
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YUTRAX™ offers a full line of ATV accessories. We appreciate your purchase of our world class ATV Trailers. Follow these few simple instructions and your product will be sure to give you many years of trouble free pleasure. Instructions should be kept in a safe place and reviewed at least annually.

If for any reason you have a problem with your product, **DO NOT return to the retailer**; contact the YUTRAX™ customer service department Monday through Friday from 8 a.m. to 5 p.m. CST at 800-345-6007 for assistance.

## **WARNING**

**READ, UNDERSTAND AND FOLLOW ALL ASSEMBLY, INSPECTION, MAINTENANCE & USE INSTRUCTIONS PROVIDED BEFORE EACH USE. FAILURE TO FOLLOW ALL WARNINGS AND INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.**

**BE SURE TO FOLLOW ALL INSTRUCTIONS PROVIDED. IF ANY INSTRUCTIONS ARE NOT UNDERSTOOD OR IF YOU HAVE A PARTS ISSUE, CALL 800-345-6007 BEFORE USING.**

**THE WHEEL BEARINGS ARE NOT FACTORY GREASED. YOU MUST GREASE THE BEARINGS BEFORE USE. CHECK GREASE LEVEL FREQUENTLY TO PREVENT BEARINGS FROM SEIZING.**

**DOUBLE CHECK THE ASSEMBLY OF YOUR TRAILER TO BE SURE YOU ASSEMBLED IT CORRECTLY AND ALL NUT & BOLT ASSEMBLIES ARE TIGHT BEFORE INITIAL USE.**

**BE SURE TO PERIODICALLY CHECK ALL NUT AND BOLTS FOR TIGHTNESS. OVER TIME, NUTS AND BOLTS MAY BECOME LOOSE FROM VIBRATION.**

**BE SURE TO ALWAYS HAVE THE CORRECT AMOUNT OF AIR PRESSURE IN TIRES. THIS WILL HELP DETER FROM UNNECESSARY WEAR AND/OR DAMAGE. AIR PRESSURE CAN BE FOUND ON SIDEWALL OF TIRE.**

**NEVER DRIVE ON HILLY TERRAIN - EXCESSIVE WEIGHT CAN CAUSE WEIGHT SHIFTS WHICH CAN LEAD TO LOSS OF CONTROL OF YOUR ATV AND/OR ATV TRAILER.**

**DO NOT DRIVE IN EXCESS OF 10 MPH WHILE USING THIS PRODUCT.**

**NEVER ALLOW PEOPLE OR ANIMALS TO RIDE IN THE ATV TRAILER! IT IS NOT DESIGNED FOR THAT MATTER.**

**USE CAUTION NEAR TRAILER TILT LATCH. BE SURE LATCH IS ENGAGED BEFORE EACH USE.**

**NEVER EXCEED THE MAXIMUM WEIGHT CAPACITY OF 1250 LB OF EVENLY DISTRIBUTED WEIGHT.**

## **ASSEMBLY INSTRUCTIONS:**

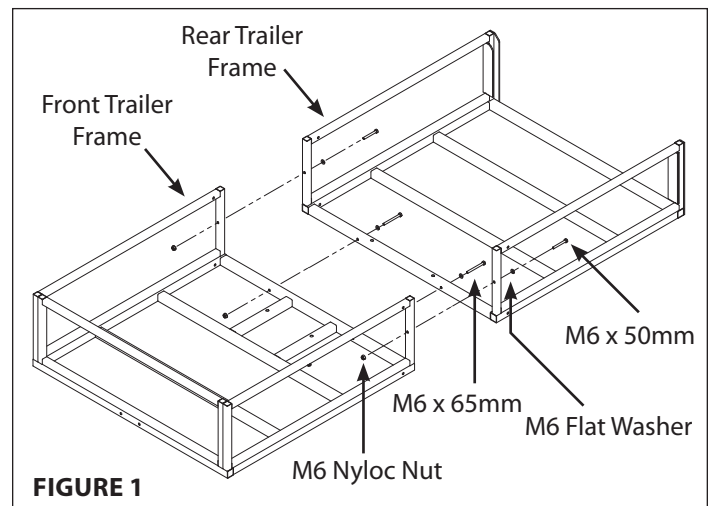
Tools needed – two 10mm wrenches, two 13mm wrenches, two 16mm wrenches, 30mm socket with ratchet & extension, needle nose pliers and a grease gun.

### **IMPORTANT ASSEMBLY TIPS:**

***Do not tighten any nut and bolt combinations completely until all parts are assembled together! Finger tighten plus one turn of a wrench only! This will temporarily hold the lock nut on the bolt while helping alignment of all parts! After all parts are assembled together, all nut & bolt combinations must be completely tightened.***

***Mesh removed for easy visibility.***

1. Attach front trailer frame (24787) and the rear trailer frame (24789) together using provided (2) M6 x 50mm bolts, (2) M6 x 65mm bolts, (4) M6 flange nyloc nuts, (4) M6 flat washers. **SEE FIGURE 1.**

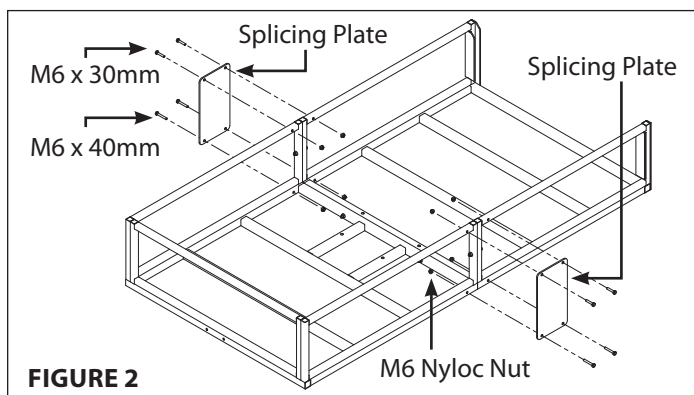


**FIGURE 1**

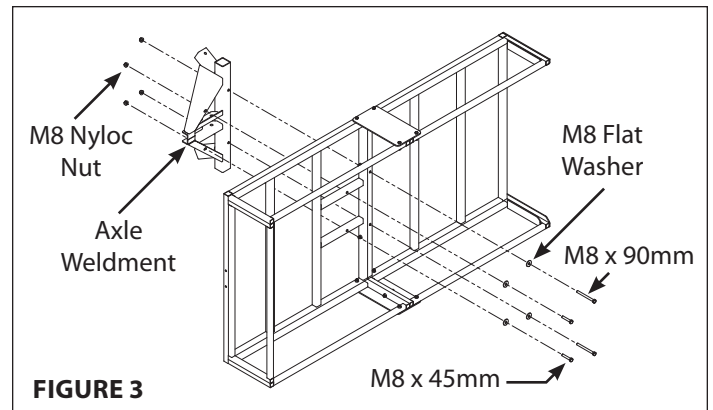
2. Attach the splicing plates (24791) on both sides using (4) M6 x 30mm bolts and (4) M6 flange nyloc nuts in the top two holes on both sides of the baskets. **SEE FIGURE 2.** Using (4) M6 x 40mm and (4) M6 flange nyloc nuts, fasten the splicing plate to the baskets through the bottom two holes on both sides. **SEE FIGURE 2.**
3. Turn the basket on its side to attach the axle weldment (24793) to the bottom of the baskets. Using (2) M8 x 90mm bolts, (2) M8 flange nyloc nuts, (2) M8 flat washers, fasten the axle to the rear trailer frame along the seam that joins the baskets. **SEE FIGURE 3.**
4. Join the axle weldment to the front trailer frame using (2) M8 x 45mm bolts, (2) M8 flange nyloc nuts, (2) M8 flat washers. **SEE FIGURE 3.**

**Turn the basket over so that the axle and bottom frame tubes are exposed upward to continue assembly.**

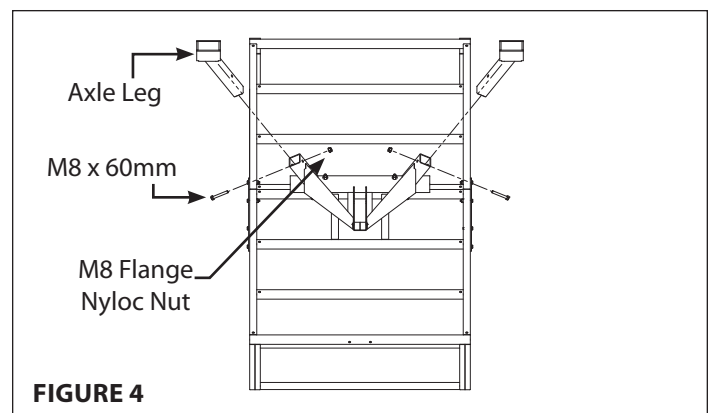
5. Assemble one of the axle legs (25076) to one of the angled tubes coming up from the axle weldment. Make sure the leg is oriented so that the hex hole is facing toward the outside of the unit. Use (1) M8 x 60mm bolt, (1) M8 flange nyloc nut, to fasten the parts together. Repeat the same process on the other side of the axle. **SEE FIGURE 4.**
6. Assemble each hex axle spindle (24792) to each leg using (1) M8 x 30mm bolt, (1) M8 lock washer, (1) M8 flat washer for each side. Tighten these down completely. **SEE FIGURE 5.**
7. Place one wheel on the axle spindle with the grease fitting facing outward. Secure the wheel by adding (1) M20 flat washer and (1) M20 slotted nut. Back slotted nut off just enough to allow for smooth wheel spinning and hole alignment for the cotter pin. Insert cotter pin and bend tines over with needle nose pliers so that it will not come off of the axle spindle. Repeat entire step for the second wheel. **SEE FIGURE 6.**
8. **YOU MUST GREASE THE BEARINGS OF EACH WHEEL BEFORE USE.** Using a grease gun, pump high-quality grease into the bearings by attaching to grease fitting located on wheel hub. Check the grease level frequently to prevent bearings from seizing.



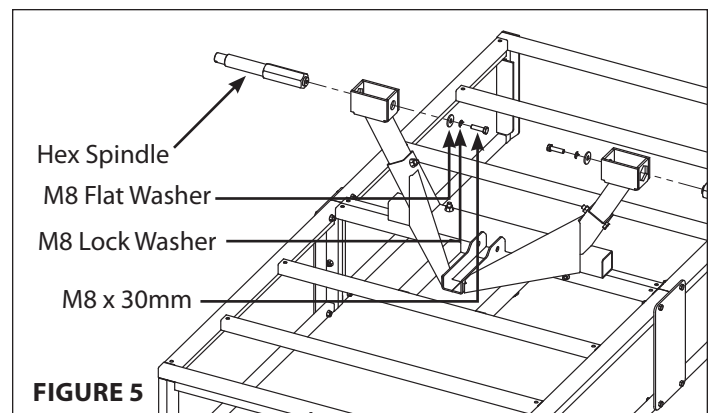
**FIGURE 2**



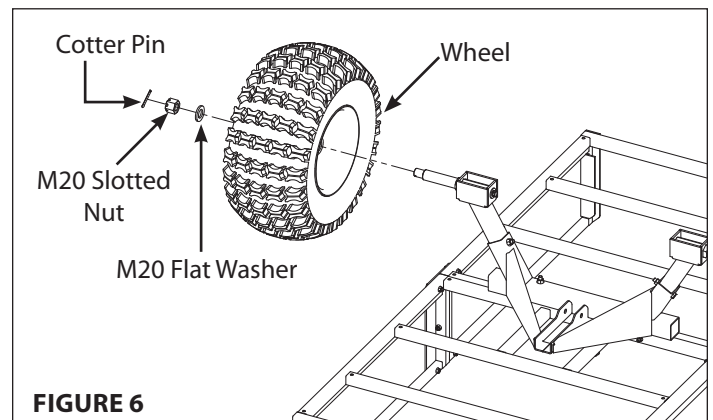
**FIGURE 3**



**FIGURE 4**



**FIGURE 5**



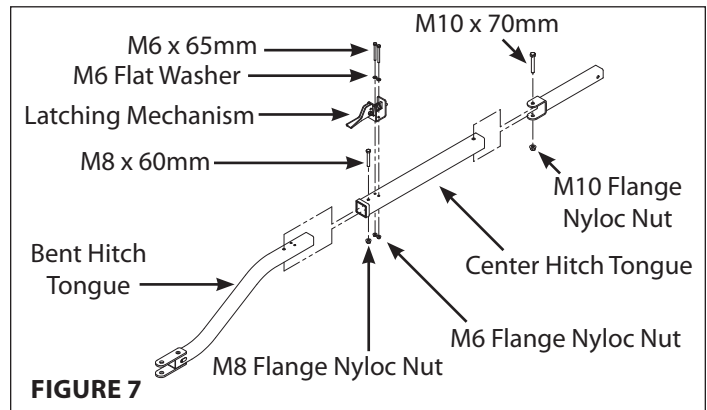
**FIGURE 6**

## TONGUE ASSEMBLY

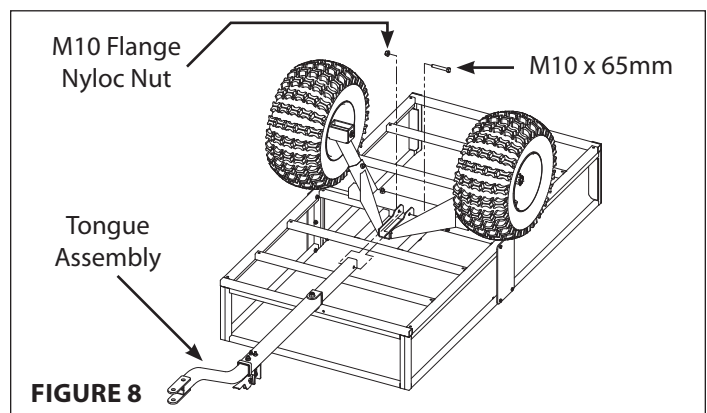
9. Assemble the bent hitch tongue (24804) and the center hitch tongue (24803) by lining up the triangular hole pattern and fastening (1) M8 x 60mm bolt and (1) M8 flange nyloc nut through the single hole closest to the end of the center hitch tongue. **SEE FIGURE 7.**
10. Find the latching mechanism (24807) in your parts bag and place on the center hitch tongue over the pair of holes so that the handle is facing toward the hitch pin. The bent hitch tongue should bend away from the surface you are placing the latch onto. Fasten the latch onto the center hitch tongue using (2) M6 x 65mm bolts, (2) M6 flat washers, and (2) M6 flange nyloc nuts. **SEE FIGURE 7.**
11. Assemble the pivoting hitch tongue (24800) to the open end of the center hitch tongue using (1) M10 x 70mm bolt and (1) M10 flange nyloc nut. **SEE FIGURE 7.**
12. Fasten the tongue assembly to the axle by placing the pivoting hitch tongue section into the center bracket of the axle and fastening with (1) M10 x 65mm bolt and (1) M10 flange nyloc nut. **SEE FIGURE 8.**

**The unit can now be turned over onto the wheels for the final assembly steps. Be careful for the loosely swinging hitch bar, as it is not yet secured in place.**

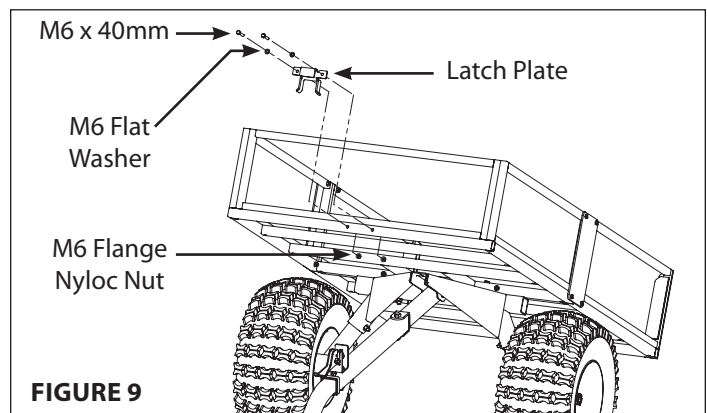
13. With the basket set in the dump position, and the hitch bar set on the ground, find the latch plate (24806) in your parts bag. Attach the latch plate to the front trailer frame at the two holes on the bottom tube. Using (2) M6 x 40mm, (2) M6 flange nyloc nuts, and (2) M6 flat washers, fasten the plate to the front of the frame. **SEE FIGURE 9.**
14. The hitch tongue can now be attached to the hitch of your ATV with the hitch pin (25033) and hairpin style cotter pin (12118). Making sure the hitch tongue is straight and securely fastened to your ATV, the basket can be pivoted down and locked into place. **SEE FIGURE 10.**



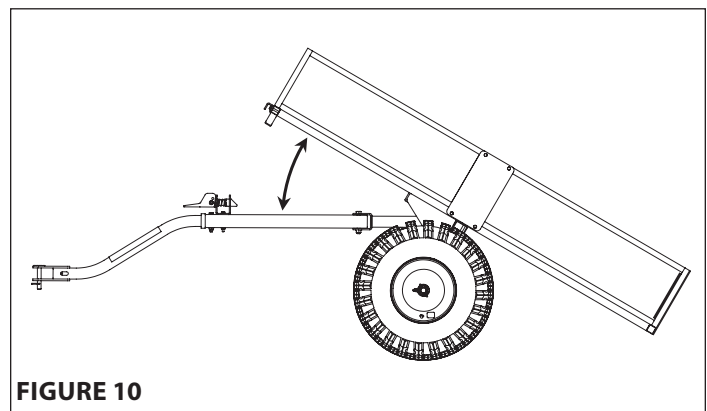
**FIGURE 7**



**FIGURE 8**



**FIGURE 9**



**FIGURE 10**

15. Place the side racks (300700), front rack (300701), and tailgate (300704) into the spaces provided in the frame. Note, the front rack is slightly narrower than each of the side racks. Lubrication is recommended between each of the sliding surfaces. **SEE FIGURE 11.**

**Your Yutrax™ High Gear™ S2™ Trailer is now ready for use!**

**NOTE:** Make sure the tire pressure does not exceed the maximum rating written on the tire. Recommended operating pressure is 7 psi.

## OPTIONAL ACCESSORY

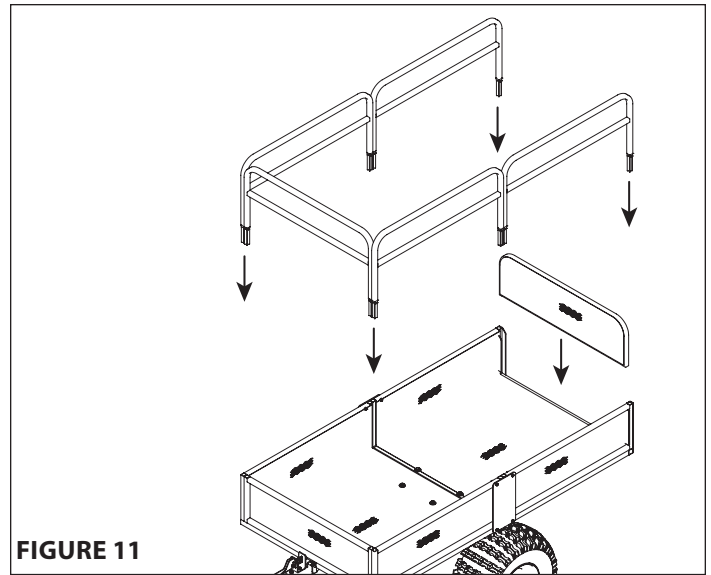
TX113 2" Ball Hitch Kit

### Always...

- Be sure the trailer is securely attached to ATV hitch.
- Check tires for correct air pressure before each use.
- Use as four-wheeled ATV trailer only.
- Inspect before each & every use to be sure there is no product damage or loose/missing bolts & hardware.
- Have wheel bearings properly greased to avoid bearings from seizing.

### Never...

- Use excessive speeds while towing trailer.
- Exceed the maximum load capacity of 1250 lb.
- Allow people or animals to ride in trailer.
- Use on hilly terrain.
- Use a damaged product.
- Use when intoxicated or using over-the-counter medication or prescription drugs.
- Use on rocky or obstacle ridden terrain.
- Use carelessly -- Think Safety!



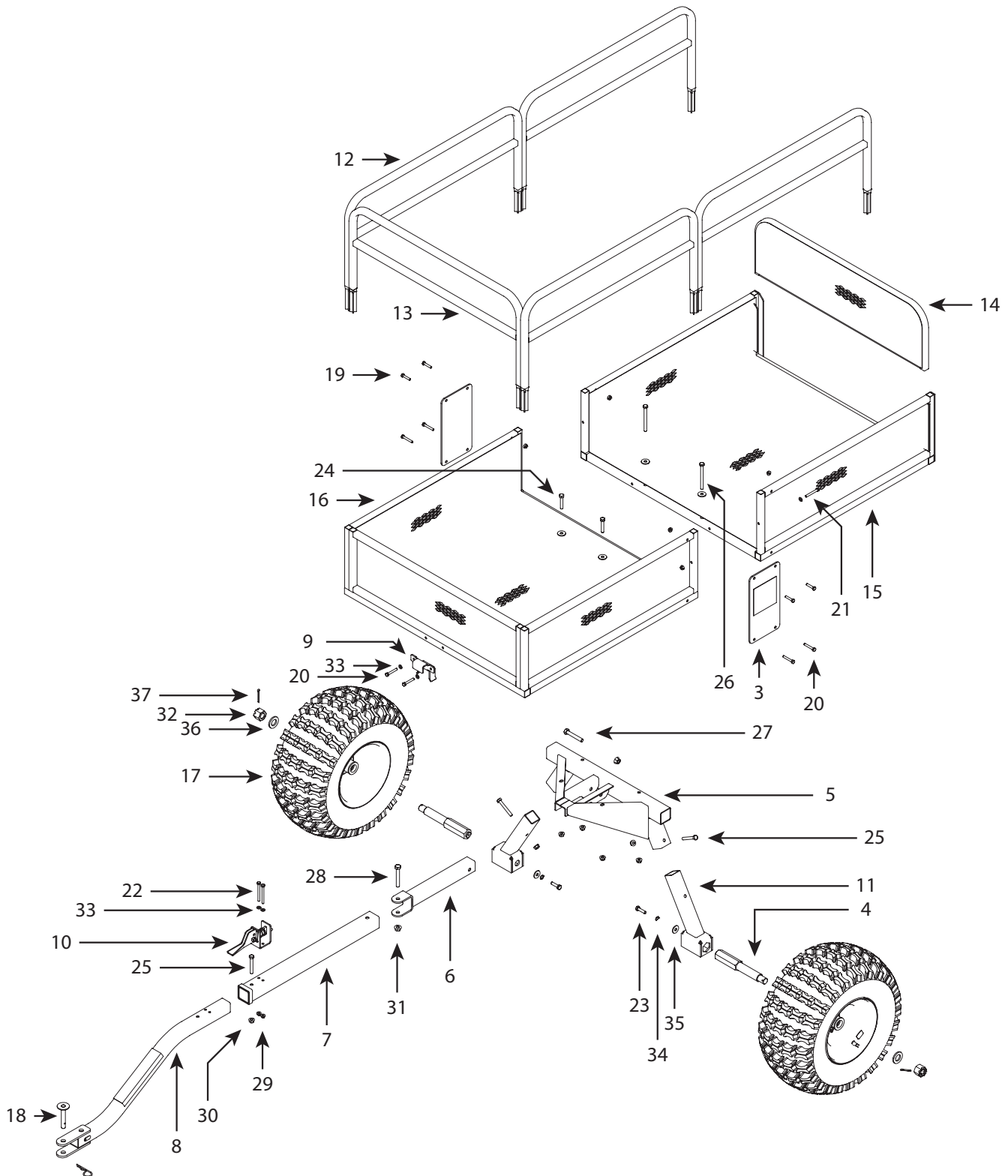
**FIGURE 11**

## WARRANTY

YUTRAX™, a division of Ardisam Incorporated, offers a one year limited warranty to be free from defects in materials and workmanship for the service life of the product, not to exceed twelve consecutive months from the date of purchase. This warranty applies to the original owner with a proof of purchase and is not transferable. This warranty applies only to products which have not been subjected to negligent use, misuse, alteration, accident or if repairs have been made by anyone outside our factory. This warranty supersedes all other warranties either expressed or implied and all other obligations or liabilities on our part. Ardisam, Inc., does not assume, and does not authorize any other person to assume for us, any liability in connection with the sale of our products. Warranty work must be sent directly to Ardisam, Inc., or one of our authorized service centers and performed by them. **To obtain warranty service and/or replacement instructions, you must have prior approval from Ardisam, Inc., before shipping your package to us by calling our customer service department at 800-345-6007 between 8 a.m. and 5 p.m. Monday through Friday, or by writing to: Ardisam, Inc., P.O. Box 666, 1160 Eighth Avenue, Cumberland, WI 54829 for a return material authorization number (RMA#).** All items must be shipped prepaid. Ardisam, Inc., will at no charge, repair or replace, at their discretion, any defective part which falls under the conditions stated above. Ardisam retains the right to change models, specifications and price without notice.

**For replacement parts, phone 800-345-6007 or go online to [www.yutrax.com](http://www.yutrax.com).**

## PARTS BREAKDOWN







## PARTS LIST

KEY #	PART #	DESCRIPTION	QTY.
1	16589	NEEDLE BEARING 1.0 ID X 1.25 OD	-
2	16599M	INSERTION NUT BAG TWO WHEELED TRAILERS	-
3	24791	PLATE SPLICE	2
4	24792	HEX SPINDLE	2
5	24793	WELDMENT AXLE	1
6	24800	WELDMENT HITCH PIVOT	1
7	24803	WELDMENT FTS HITCH CENTER SECTION	1
8	24804	WELDMENT BENT HITCH	1
9	24806	LATCH PLATE	1
10	24807	ASSEMBLY TIPPER LATCH	1
11	25076	WELDMENT AXLE LEG	1
12	300700	WELDMENT/TS SIDE RACK TRAILER	4
13	300701	WELDMENT/TS FRONT RACK TRAILER	1
14	300704	WELDMENT TAILGATE TRAILER	1
15	24789	WELDMENT REAR TRAILER	1
16	24787	WELDMENT FRONT TRAILER	1
17	TK78	TIRE/WHEEL ASSEMBLY	2
18	25033	HITCH PIN	1
19	22588	BOLT M6 X 1.0 X 30	4
20	22331	BOLT M6 X 1.0 X 40	6
21	22334	BOLT M6 X 1.0 X 50	2
22	22335	BOLT M6 X 1.0 X 65	4
23	24031	BOLT M8 X 1.25 X 30	2
24	22549	BOLT M8 X 1.25 X 45	2
25	22336	BOLT M8 X 1.25 X 60	3
26	25078	BOLT M8 X 1.25 X 90	2
27	25029	BOLT M10 X 1.5 X 65	1
28	25031	BOLT M10 X 1.5 X 70	1
29	22946	NUT M6 X 1.0 HEX FLANGED NYLOC	16
30	18610	NUT M8 X 1.25 HEX FLANGED NYLOC	7
31	25030	NUT M10 X 1.5 HEX FLANGED NYLOC	2
32	22363	NUT M20 X 1.5 HEX SLOTTED	2
33	11498	WASHER M6 FLAT	8
34	25103	WASHER M8 SPRING LOCK	2
35	22340	WASHER M8 FLAT	6
36	22352	WASHER M20 FLAT	2
37	4155	COTTER PIN	2

THIS PART NOT SHOWN IN DIAGRAM



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