

ASSEMBLY GUIDE

MODEL: AT4872SS

WARNING: Read and understand the owner's manual completely before you use the trailer.



3 MULTI PURPOSE TRAILER KIT ASSEMBLY GUIDE

SAVE THIS GUIDE & MANUAL

You will need this assembly guide & manual for safety instructions, Operating procedures and warranty. Put it and the original sales receipt in a dry place for future reference.

Free Call 888-878-1668

SPECIFICATIONS

Gross Vehicle Weight (G.V.W)	1600lbs
Curb Weight	305lbs
Payload Capacity	1295lbs
Bad Dimensions	48" x 72"
Hitch Ball Size	2"
Wheel Rim Diameter/Width	12" x 4"
Quantity of Wheel Lug Nuts	5 Per Wheel
Tire Size	4.80-12, 4 Ply
Required of Tire Air Pressure	60PSI, Cold
Over Length	162"
Over Width	65"
Lighting	12V DC, D.O.T.
Ship Weight	315lbs

UNPACKING

1. When unpacking, Check to make sure all the parts are included. If any parts are missing or broken, Please call Altocraft at the number shown on the cover of this manual as soon as possible.
2. Assembly parts list

Assembly Parts Name	Qty
Trailer frame (Included side marker)	1

Tongue assembly (Included coupler & chains)	1
Leaf Spring	2
Axle (Included hub & lug nuts)	1
Wheel	2
Fender	2
12V light kit Left & Right	1
Axle mount kit	4 M10 U type bolts 8 M10 nylon nuts 8 washers
Leaf spring mount kit	2 M12x80mm bolts 2 M12 nuts 4 washers
Tongue mount kit	4 M12x30mm bolts 4 M12 nuts 8 washers
Fender mount kit	4 M12x25mm bolts 4 M12 nuts 8 washers

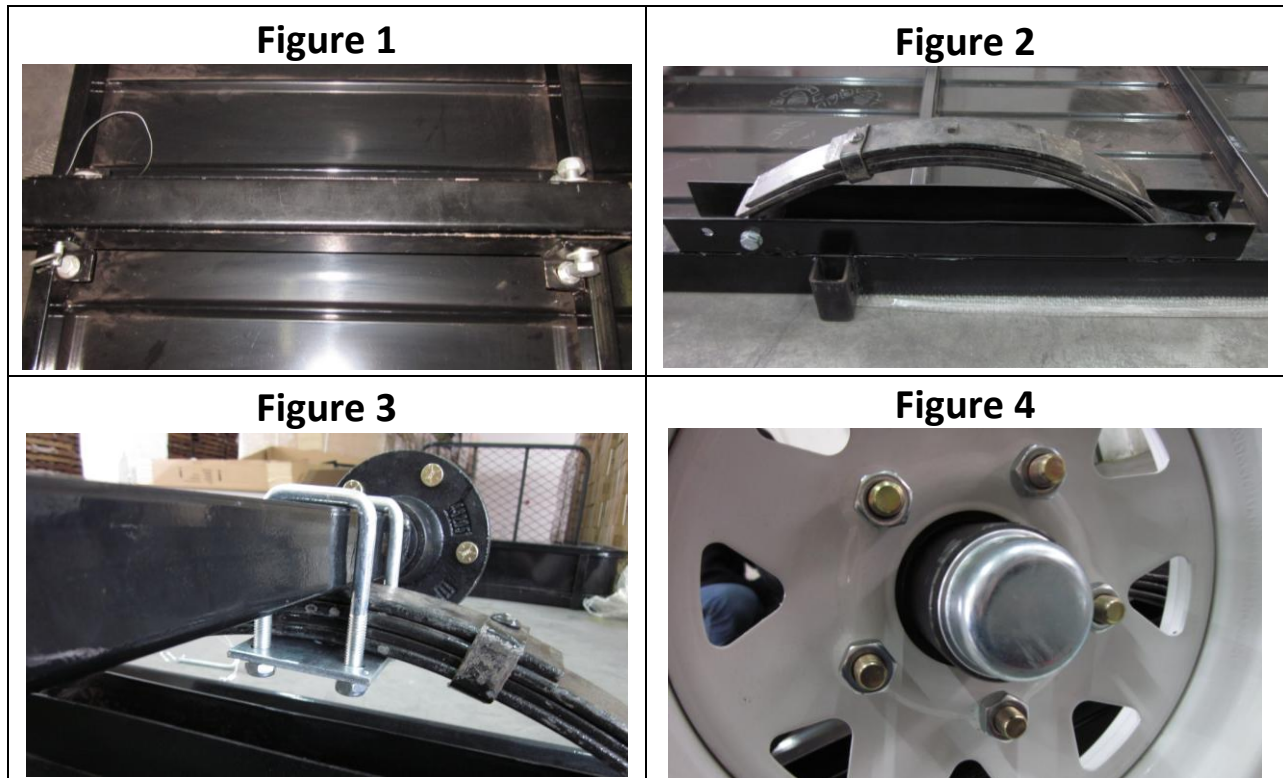
STEP BY STEP ASSEMBLY INSTRUCTION

1. Gather the tools needed to assemble the trailer.
 - 10mm, 14mm, 19mm, 21mm, 24mm sockets w/ extension.
 - 11mm, 13mm, 16mm, 18mm, 22mm, 24mm open end wrench(s).

2. Please carefully remove all parts and sub-assemblies from their bubble wrap packing and the box, then place them inside the top box cover using it as a protective storage bin, but leaving the trailer frame in the box with the bottom of the frame facing up as received. Please make the box a flat sheet of cardboard as a protective mat by flatten all corners by any means.

Bottom of the trailer frame facing up:

- 3. Tongue Assembly** – Place the tongue assembly on top of the front of the trailer frame with the tongue stand facing up and with the coupler facing the front of the trailer frame. Mount the 24” tongue holder along with the tongue as received using the “Tongue Holder Mounting Kit” onto the front of the trailer frame where there’s 4 mounting holes that matched up to that of the tongue holder, then use the L-pin that’s attached to the frame to secure the front end of the tongue holder to the tongue. **See Figure 1.**
- 4. Leaf Spring Assembly** – Slide the “hook” end of the leaf springs facing the rear of the trailer under the pre-welded studs in the spring track in the middle of the frame, then mount the “eye” end of the leaf springs facing the front of the trailer onto the middle mount hole in the spring tracks using the “Springs Mounting Kit” (the outer mount holes in the spring track are for mounting fenders). **See Figure 2.**
- 5. Axle Assembly** – Lay axle across the springs and line up the 2 locating holes on the axle facing down to the 2 locating bolt heads in the middle of the springs facing up. Mount the axle to the springs using the “Axle Mounting Kit” with U bolts’ open ends facing down going over top of the axle, and the spring plates underneath the leaf springs. **See Figure 3.**
- 6. Tire/Wheel Assembly** – Undo the wheel lug nuts on the hubs, and slide the complete tire/wheel assemblies as received with valve stems facing outward on the lugs on the hubs, then use the wheel lug nuts first removed to properly secure the tire/wheel assemblies onto the hubs with 65-70 ft-lb torque. **See Figure 4.**
7. Now, please safely and carefully flip the frame over with extreme caution and with help by standing the trailer on its rear end and flip it over to support itself on the tires and the tongue stand .



The trailer sitting upright as for normal operation:

8. **Fender Assembly** – Remove the zip-ties and undone the bolts and nuts on the fenders as received , then mount the squared U-shape brackets onto the fenders with the open end of the U-shape brackets facing outward and on the outer side of the fenders’ welded brackets using the bolts and nuts first removed.

Mount fenders by lining up the mount hole of square U-shape brackets to the mount holes on the spring tracks using “Fender Mounting Kit”. **See Figure 5,6.**

9. **Rear Light Assembly** – Undone the nuts on the rear light assemblies and mount them onto the side of the rear portion of the frame using these nuts first removed. The one with license plate bracket is to be used on the left side(driver side) of the trailer, and the other one without the license plate bracket is to be used on the right side(passenger side) of the trailer. Plug in the connectors to those on the trailer frame. **See Figure 7.**

10. **VIN Tag and Tire Placard Assembly** – Simply take these labels out of the “Owner’s Manual Package”, and stick them onto the trailer, also covered by the UV film to prevent the water. By law, these labels must be mounted on the driver side. The best placement is on the driver side tongue. **See Figure 8.**

11. **VERY IMPORTANT!** With your Owner’s Manual in hand, go over your trailer carefully to ensure that you have properly installed all parts and sub-assemblies.

Figure 5



Figure 6



Figure 7

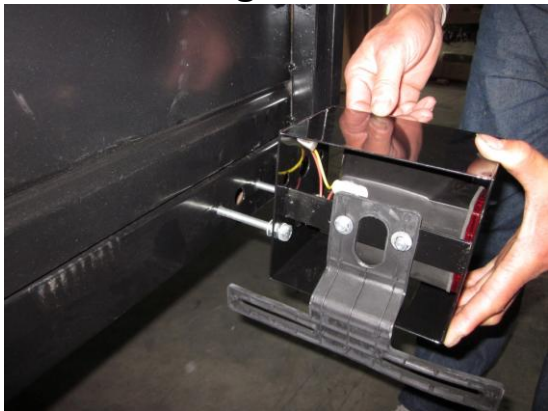
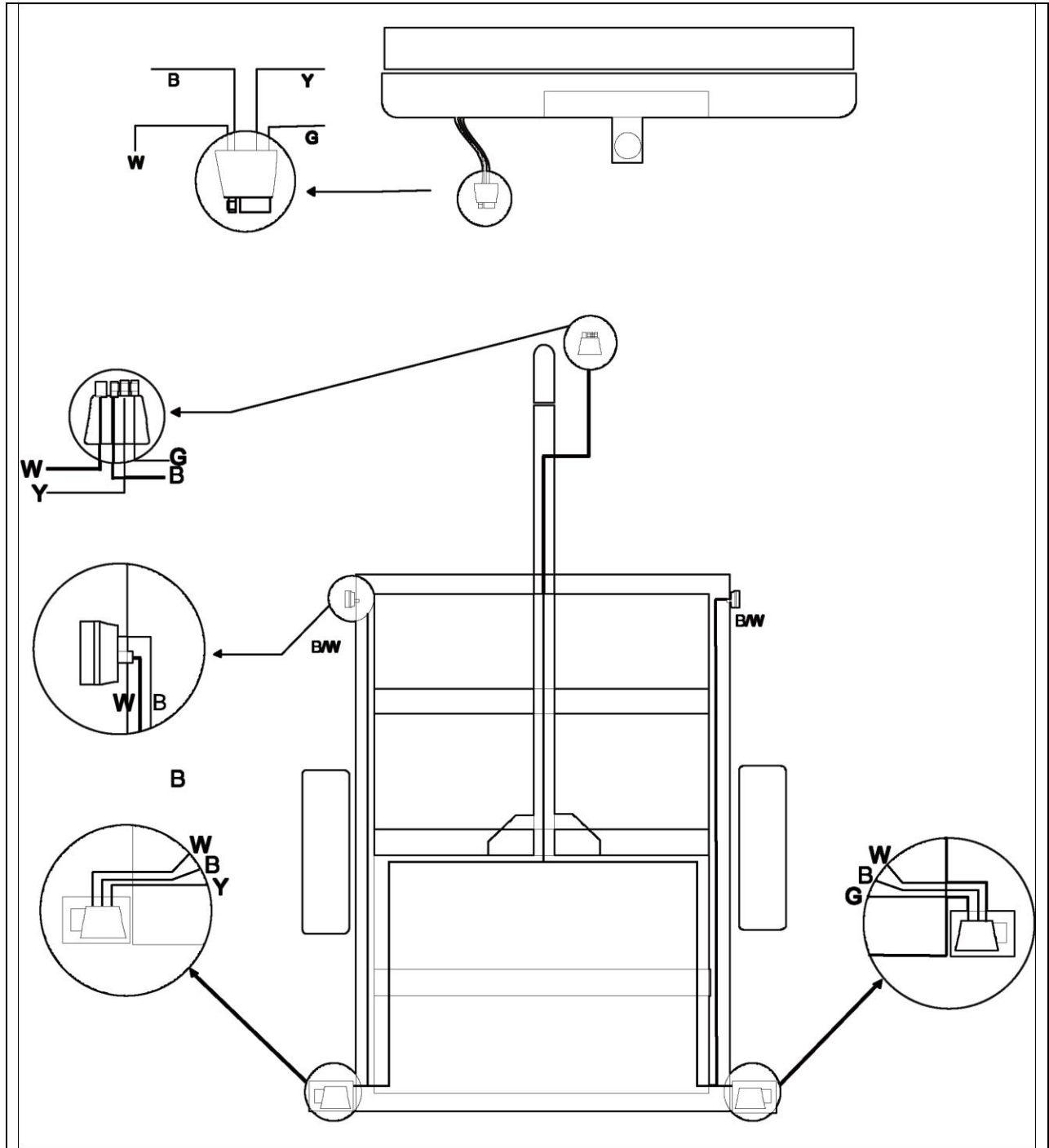


Figure 8



WIRING DIAGRAM



PARTS LIST & DRAWING

No.	Description	Qty	No.	Description	Qty
1	Coupler	1	21	M16x100mm Bolt	1
2	Tongue	1	22	Washers	2
3	Trailer Frame	1	23	M16 Nuts	2
4	Back Gate	1	24	M12x25mm Bolts	4
5	Fender	2	25	Washers	8
6	Leaf Spring	2	26	M12 Nuts	4
7	Tire/Wheel	2	27	M10 Nuts	8
8	Axle	1	28	Washers	8
9	Tail Light Bracket	2	29	M10 U Bolts	4
10	Tail Light	2	30	M12x80mm Bolts	2
11	License Plate	1	31	Washers	4
12	Safety Chain w/ Hook	2	32	M12 Nuts	2
13	Side Marker	2	33	M12x25mm Bolts	4
14	M12x25mm Bolts	2	34	Washers	8
15	Washers	4	35	M12 Nuts	4
16	M12 Nuts	2	36	Tire Lug Nuts	10
17	M12x80mm Bolts	2	37	M8x25mm Bolts	4
18	Washers	4	38	Washers	8
19	M12 Nuts	2	39	M8 Nuts	4

