

Important Note:

Please read these instructions completely before you begin. When using tools for this assembly be sure to wear the proper safety protection including safety glasses.

You will need the following tools before you proceed:

- Mallet or soft-faced hammer.

Before you begin the assembly of this product unpack the packaged contents to assure that you have received all parts listed below.

Main Components - 850101

Description	Part#	Qty.
(1) - PVC 1 1/4" 4 - Way Tee - (Fig. 1)	80010002	12
(2) - PVC 1 1/4" 4 - Slip Tee - (Fig. 2)	80010008	16
(3) - PVC 1 1/4" 4 - Caster Assembly - (Fig. 3)	80010009	4
(4) - PVC 1 1/4" 3 - Way Elbow - (Fig. 4)	80010010	4
(5) - PVC 1 1/4" x 2 3/8" Long	80010011	4
(6) - PVC 1 1/4" x 60" Long	85010101	8
(7) - PVC 1 1/4" x 59 3/4" Long	85010102	8
(8) - PVC 1 1/4" x 27" Long	85010103	4
(9) - PVC 1 1/4" x 20" Long	85010104	8
(10) - PVC 1 1/4" x 12" Long	85010105	8

There are 4 shelves for this unit. By changing the position of the 12" and 27" long pipes it is possible to reconfigure the height of the shelves.

Step 1) Assemble Shelf #1 (Top Shelf)

Slide two (2) of the Slip Tee's (Item 2) onto two (2) pieces of 20" long pipe (Item 9). Insert a 59-3/4" piece of pipe (Item 7) into each Slip Tee on one 20" pipe and then attach the other Slip Tee's to the opposite end. Place a 3-Way Elbow (Item 4) at the ends of the 20" pipes. Insert a 60" piece of pipe (Item 6) between the 3-Way Elbows. (Gently tap each corner to seat the pipes into the 3-Way Elbows).

Step 2) Assemble Shelf #2, 3, & 4 (Mid Level & Bottom Shelves)

Slide two (2) of the Slip Tee's (Item 2) onto two (2) pieces of 20" long pipe (Item 9). Insert a 59-3/4" piece of pipe (Item 7) into each Slip Tee on one 20" pipe and then attach the other Slip Tee's to the opposite end. Place a 4-Way Tee (Item 1) at the ends of the 20" pipes. Insert a 60" piece of pipe (Item 6) between the 4-Way Tee's. (Gently tap each corner to seat the pipes into the 4-Way Tee's.)

Step 3) Place the top shelf assembly, #1 on a protected flat surface with the open sockets facing up. Insert a 27" long pipe (Item 8) into each open socket. Place the four (4) 4-Way Tee's of shelf assembly #2 onto the 27" long pipes. (Gently tap each corner to properly seat the assembly).

Step 4) Place a 12" long pipe (Item 10) into each open socket of shelf assembly #2. Take the Shelf #3 assembly and place 4-Way Tee's onto the 12" long pipes. (Gently tap each corner to properly seat the assembly).

Step 5) Place a 12" long pipe (Item 10) into each open socket of shelf assembly #3. Take the Shelf #4 assembly and place 4-Way Tee's onto the 12" long pipes. (Gently tap each corner to properly seat the assembly).

Step 6) Insert a 2-3/8" long pipe (Item 5) into each open socket of shelf assembly #4. Place the Caster Assembly (Item 3) onto each 2-3/8" long pipe. (Gently tap each corner to properly seat the assembly).

For maximum strength the assembly of this unit should be glued together using PVC cement, available at most hardware stores. All fittings should be glued with the exception of the Slip Tee's. This glue is permanent, so dry fit all of the components before final assembly. Once the parts are glued together they can not be removed or replaced.



Fig. 1 - 4 Way Tee



Fig. 2 - Slip Tee

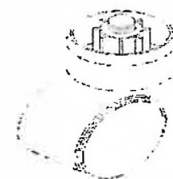


Fig. 3 - Caster Assembly



Fig. 4 - 3 Way Tee

SWIMMING POOL EQUIPMENT WARRANTY

Kiefer Manufactured Products

- A. Adolph Kiefer & Associates (AKA) warrants that the equipment, which is furnished on this project, shall perform without defect(s), due to materials or manufacturing for a period of one year from the date of purchase.
- B. Within the warranty period and at no cost to the owner, AKA shall repair or replace such equipment, which fails to perform due to defect(s) in materials, manufacturing or workmanship. Written notification and documentation of the particular defect(s) must be transmitted to AKA within ten days of when the equipment defect(s) or failure is noticed.
- C. Excluded from this warranty are any defect(s) due to damage caused by: improper handling, storage or installation; accidents; vandalism; improper usage; inadequate maintenance of the equipment; environmental conditions or natural disaster.
- D. In no event shall AKA be held liable for consequential, incidental, indirect or special damages which occur from the use or repair of the equipment. This includes damages to persons or property, and loss of use of the equipment or the pool facility.
- E. Neither the project contractor(s) nor the owner (or operator) of the pool facility shall have the right to offset charges or withhold monies for warranty claims against any payment(s) due to AKA.
- F. Warranty repairs shall take place either at the pool location, at AKA's place of business, or at another suitable location. The purchaser of the equipment shall be responsible for (and bear the cost of) the removal, re-installation and transportation of the equipment; if required. AKA shall be responsible for either the repair or replacement (at its discretion), and transportation of the equipment to the pool facility.
- G. This warranty is in lieu of all other warranties or guarantees, expressed or implied. Specifically excluded, but not by way of limitation, are the implied warranties of merchantability and fitness for a particular purpose. Also, this warranty does not include or apply to any swimming pool accessories and equipment manufactured or supplied by others.