

B a m b i n o

Assembly Instructions

C X - 2 0 0



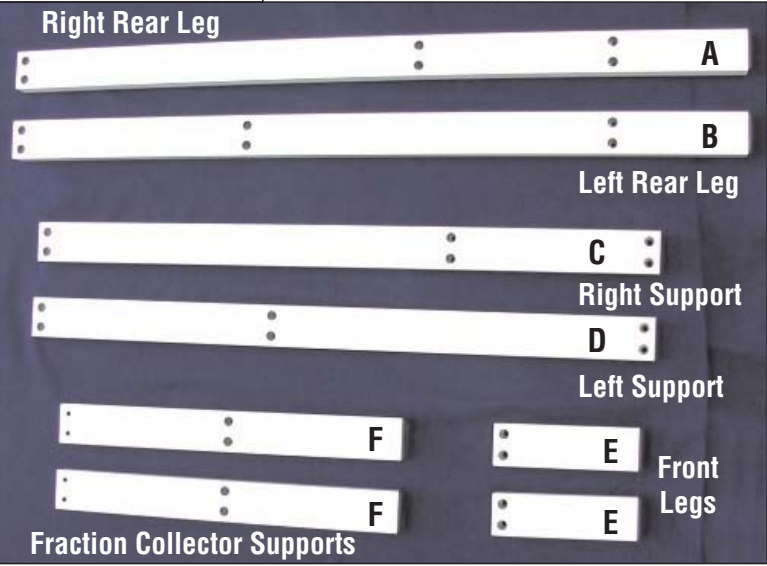
2701 KENT AVENUE
WEST LAFAYETTE
INDIANA 47906

BIOANALYTICAL 765.463.4527
SYSTEMS, INC FAX 765.497.1102
WWW.BIOANALYTICAL.COM

Bambino Identification Page

Legs & Supports

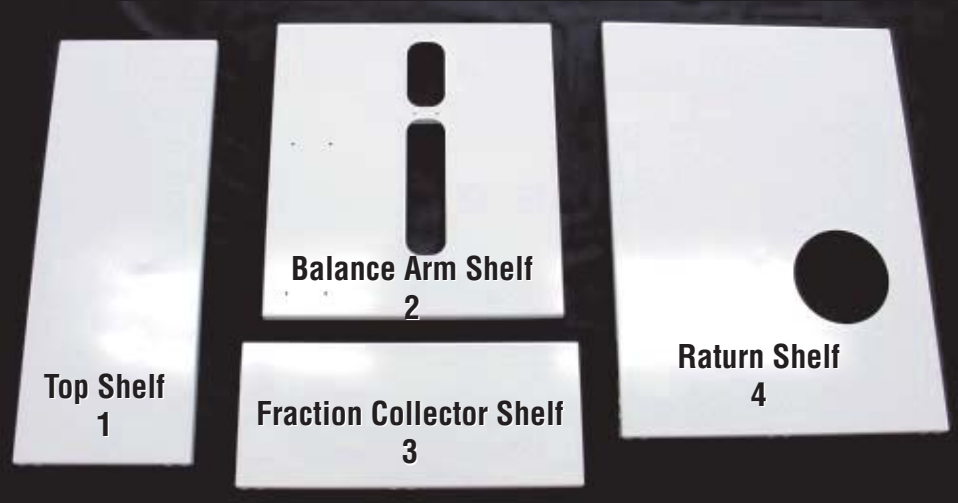
Top End of Legs & Supports



Hardware Bag

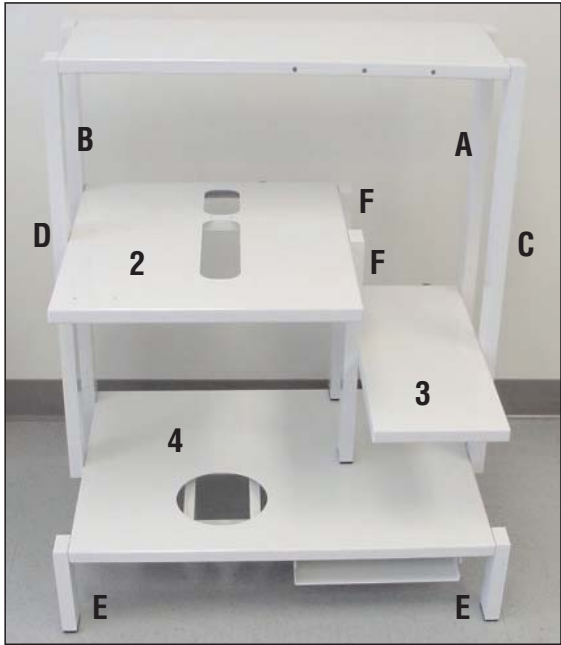


Shelves



Assembled Bambino

Power Strip



Bambino Assembly Stage I

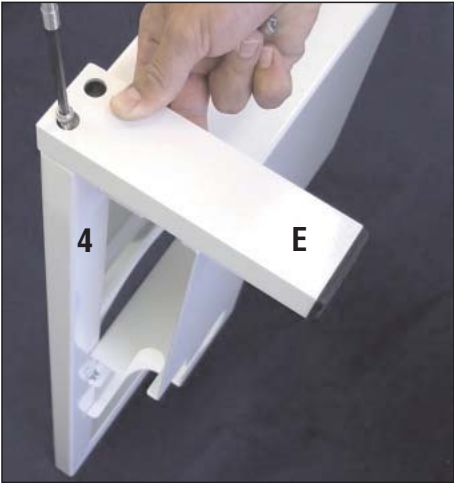


Fig. 1

Stage I

Stand *Raturn Shelf-4* (with the *Raturn Controller Holder & Funnel Holder* attached) on one side. A notch located on the bottom of the shelf needs to be facing toward the front. Attach the *Front Legs-E* using 2 socket head screws & a lock washer on each screw. Orient the legs so the larger hole is facing out. See Fig. 1. *Do not tighten screws at this time.*

Turn *Raturn Shelf-4* on the right side. Attach *Left Rear Leg-B* with 2 socket head screws & a lock washer on each screw, using the 2 holes that are on the same end as the black plastic foot. Orient the leg so the larger hole is facing out. See Fig. 2. *Do not tighten screws at this time.*

Flip *Raturn Shelf-4* to the other side. Attach *Right Rear Leg-A* with 2 socket head screws & a lock washer on each screw, using the 2 holes that are on the same end as the black plastic foot. Orient the leg so the larger hole is facing out. See Fig. 3. *Do not tighten screws at this time.*

After the above steps of **Stage I** are complete, the unit will look like the picture in Fig. 4.

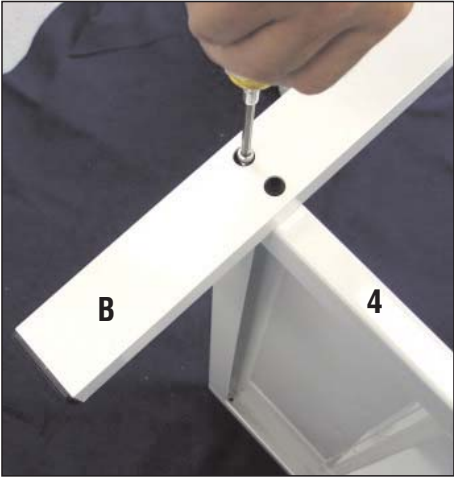


Fig. 2

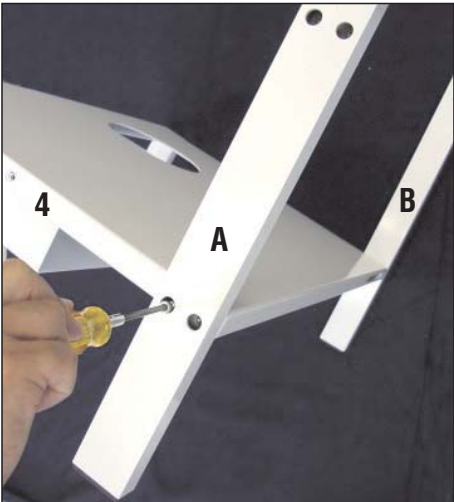
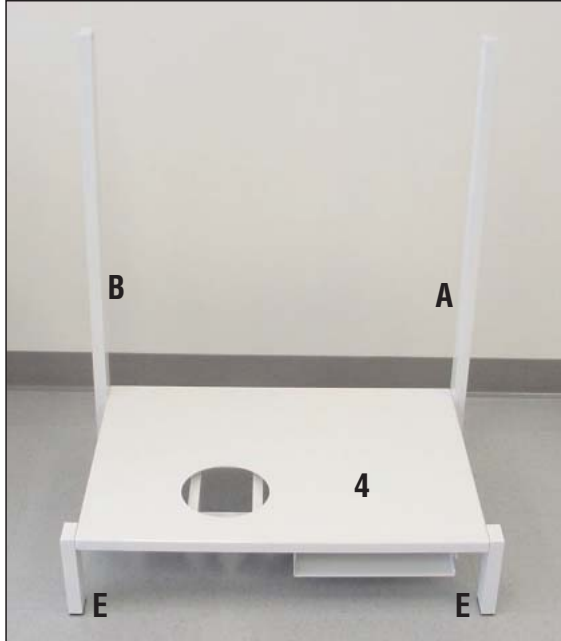


Fig. 3

Fig. 4

Stage I



Bambino Assembly Stage II

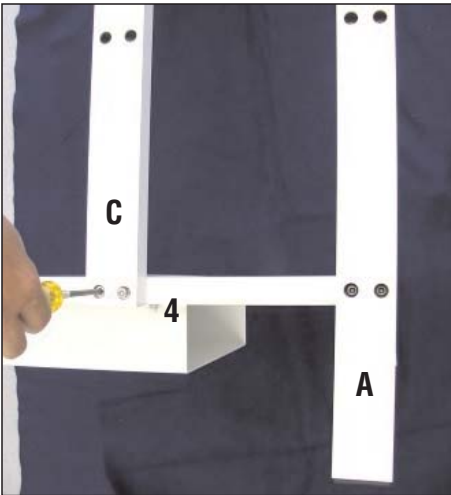


Fig. 5

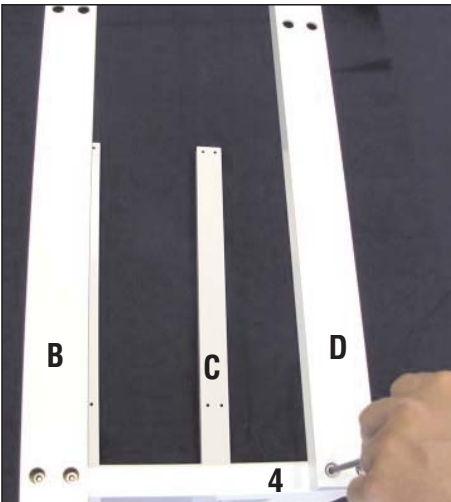


Fig. 6

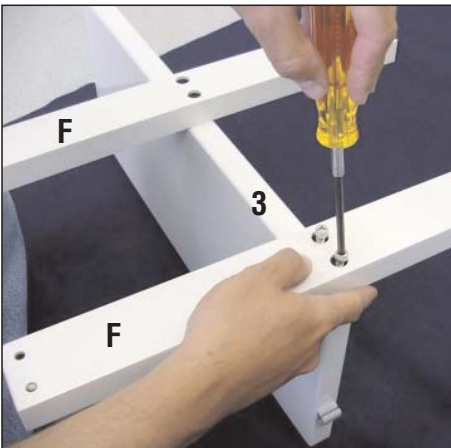


Fig. 7

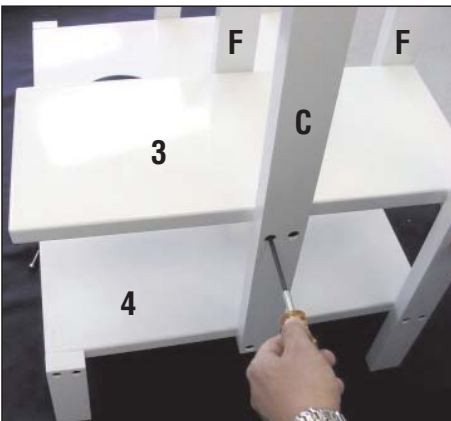


Fig. 8

Stage II

Stand *Return Shelf-4* on the left side. Attach the *Right Support-C* with 2 socket head screws & a lock washer on each screw, using the 2 holes that are at the same end as the open end of the support (the top will have an enclosed end to it). Orient the legs so the larger hole is facing out. See Fig. 5. *Do not tighten screws at this time.*

Stand *Return Shelf-4* on the other side. Attach the *Left Support-D* with 2 socket head screws & a lock washer on each screw, using the 2 holes that are at the same end as the open end of the support (the top will have an enclosed end to it). Orient the legs so the larger hole is facing out. See Fig. 6. *Do not tighten screws at this time.*

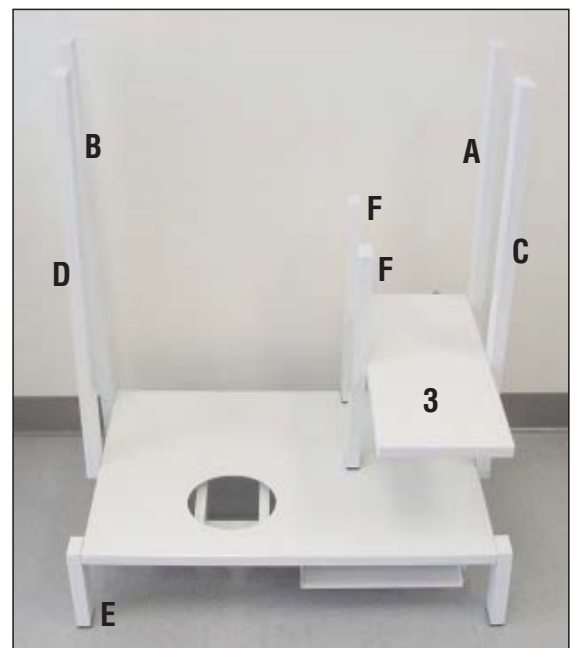
Stand *Fraction Collector Shelf-3* on the right side. A notch located on the bottom of the shelf needs to be facing toward the front. Attach the *Fraction Collector Supports-F* with socket head screws & a lock washer on each screw, using the holes that are at the same end as the black plastic foot. Orient the legs so the larger hole is facing out. See Fig. 7. *Do not tighten screws at this time.*

Install the assembled *Fraction Collector Shelf-3* & *Supports-F* onto the unit from Stage I. Place the assembled Fraction Collector Shelf to the right, back corner. Attach the *Right Rear Leg-A* & the *Right Support-C* of the main unit to the assembled Fraction Collector Shelf with 2 socket head screws & a lock washer on each screw. See Fig. 8. *Do not tighten screws at this time.*

After the above steps of **Stage II** are complete, the unit will look like the picture in Fig. 9.

Fig. 9

Stage II



Bambino Assembly Stage III

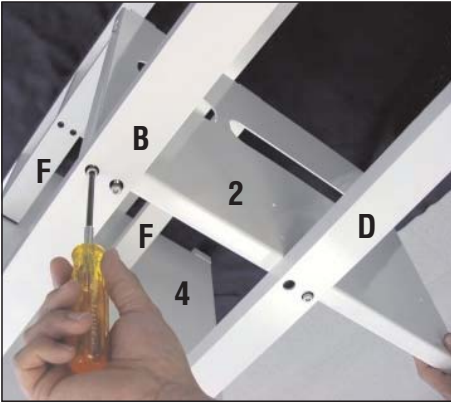


Fig. 10

Stage III

Stand *Main Unit* on the right side. Slide the *Balance Arm Shelf-2*, with the notch located on the bottom of the shelf facing toward the front, between the *Left Support-D*, *Left Rear Leg-B* & the *Fraction Collector Supports-F*. Attach the *Balance Arm Shelf-2* to the *Left Support-D* & the *Left Rear Leg-B* with socket head screws & a lock washer on each screw, using the 2 holes that are approximately $\frac{3}{4}$ the way up from the bottom. Orient the legs so the larger hole is facing out. See Fig. 10. *Do not tighten screws at this time.*

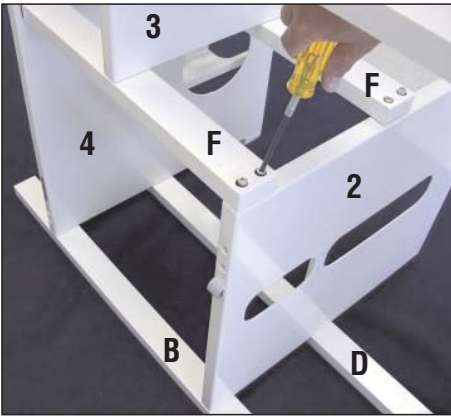


Fig. 11

Flip the unit over to the other side and finish attaching the *Balance Arm Shelf-2* to the *Fraction Collector Supports-F* with 2 socket head screws & a lock washer on each screw. Using the 2 holes that are at the top end of the Supports. See Fig. 11. *Do not tighten screws at this time.*

Stand *Main Unit* on the right side. Slide the *Top Shelf-1*, with the notch located on the bottom of the shelf facing toward the front, between the *Left Support-D* and the *Left Rear Leg-B*. Attach with socket head screws & a lock washer on each screw, using the 2 holes that are at the top end of the Support & the Leg. See Fig. 12. *Leave screws loose at this time.*

Flip the unit to its up-right position and finish attaching the *Top Shelf-1* to the *Right Support-C* and the *Right Rear Leg-A*. *Do not tighten screws at this time.*

After the above steps of **Stage III** are complete, the unit will look like the picture in Fig. 14.

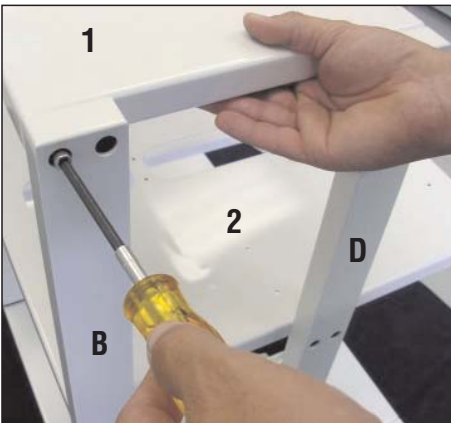


Fig. 12

Place unit where to be used and **tighten all screws firmly**. Making sure to level shelves and that each leg contacts the surface.

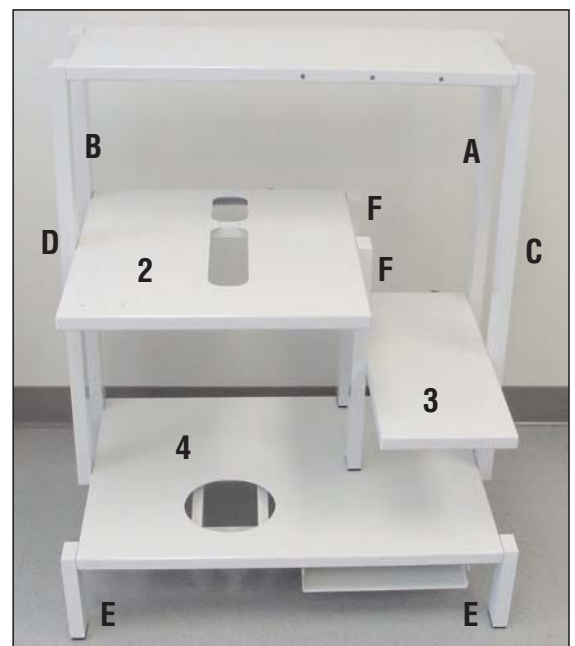
Make sure all screws are tight BEFORE inserting White Plugs! Insert White Plugs into all holes in Bambino. Plugs will snap into place. See Fig. 13



Fig. 13

Fig. 14

Stage III



Bambino Assembly Stage IV



Fig. 15

Stage IV

Set *Power Strip-5* on its side and insert 1 flat head screw into each slot on the back side as shown in Fig. 15. Screws will be loose at this point.

Slide the *Power Strip Mounting Bracket-6* holes over the 2 screws that line up with your *Power Strip-5*. Place a locking washer and a nut on each screw. While tightening nut, push up on the *Power Strip Mounting Bracket-6* so the screws slide up in the slots on the *Power Strip-5*. Tighten nuts. See Fig. 16.

Attach the *Power Strip Mounting Bracket-6* to either the *Left or Right side*. Location depends on work environment. Insert the 2 pins protruding out of the *Power Strip Mounting Bracket-6* into the bottom holes of the *Front Leg-E* and the *Rear Leg-A or B*. Attach with screws. Tighten screws. See Fig. 17.



Fig. 16

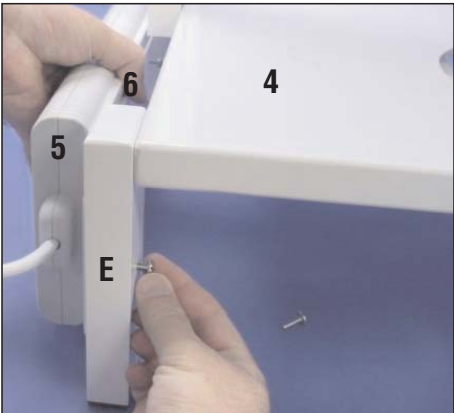


Fig. 17



Fig. 18

Stage V

Remove *Culex Controller Box* from packaging. Remove the 2 screws holding the bar on top of box in Fig. 18. Turn the bar around, so that the bar sticks out from the back of the *Culex Controller Box* as shown in Fig. 15. Replace the 2 screws and tighten.

Carefully slide the *Culex Controller Box* bar into the slot on the bottom side of the *Top Shelf*. This will be a tight fit to slide the bar into the slot. See Fig. 20.

After sliding the *Culex Controller Box* into the slot, align the 3 holes of the *Culex Controller Box* with the 3 holes on the front of the *Top Shelf-1*. While pulling up on the bottom of the *Culex Controller Box*, attach to the *Top Shelf-1* with the 3 screws provided. Tighten screws. See Fig. 21.



Fig. 19



Fig. 20

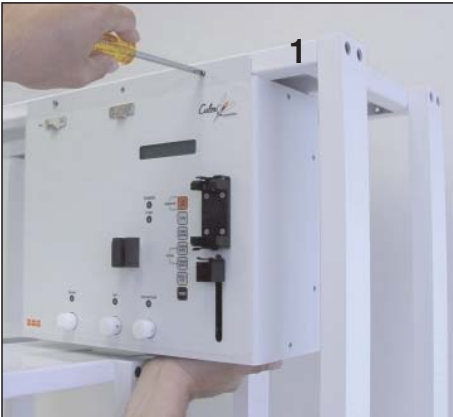


Fig. 21

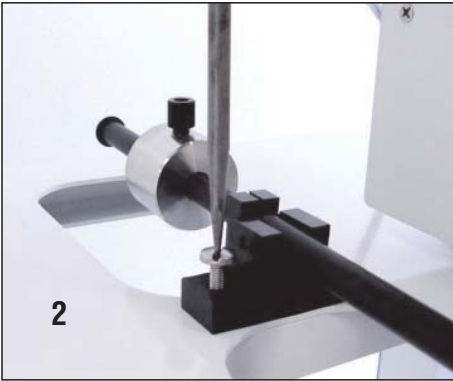


Fig. 22

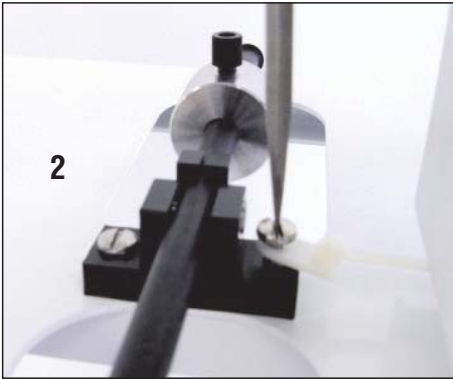


Fig. 23

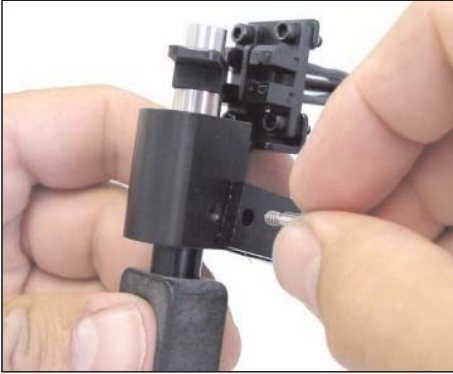


Fig. 24



Fig. 25



Fig. 26

Stage VI

Remove the *Balance Arm* from the packaging. Set the base of the *Balance Arm*, with the 2 holes, onto the *Balance Arm Shelf* where the slots & 2 screw holes are. Align the 2 holes on the *Balance Arm* with the 2 holes on the *Balance Arm Shelf*. Attach the left side with one screw. See Fig. 22. Place one *Cable Tie*, with the large hole on one end, onto the top of the right side hole of the *Balance Arm Base*. See Fig. 23. Insert the other screw thru the *Cable Tie* and then thru the hole on the *Balance Arm Base*. Rotate the *Cable Tie* so the other end of the *Cable Tie* runs under the *Culex Controller Box*. (This *Cable Tie* will be used once the *Return Sensor Cable* is installed). Tighten both screws.

Attach the *Return Sensor Cable* to the *Balance Arm*. Remove the 2 screws that are in the sides of the *Return Sensor*. Slide the *Return Sensor*, with the cable extending along the length of the *Balance Arm*, between the end of the U-Shaped end of the *Balance Arm*. Insert the 2 screws thru the U-Shaped arms on the *Balance Arm* and into the holes on the *Return Sensor*. Tighten screws. See Fig. 24

Run the cable of the *Return Sensor* along the length of the *Balance Arm*. Creating an "S-Shape" with the cable attach the *Return Sensor Cable* to the *Balance Arm Bar* with 2 *Plastic Clips*. Leaving 1.5 inches between the Clip and the back corner of the U-Shaped arms. See Fig. 25. Place the other *Plastic Clip* about 1.5 inches from the *Balance Arm Pivot Base*. Using the small *Cable Ties*, wrap one around each of the *Clips* and pull taught. See Fig. 25. Clip excess part of cable tie.

Make a loop of the *Return Sensor Cable* at the area of the *Large Cable Tie* attached to the base of the *Balance Arm*. Loop the *Large Cable Tie* around the cable to secure the Cable with a loop, pull the cable tie taught. Clip excess part of cable tie. Loop will look like Fig. 26.

The Finished *Balance Arm* will look like Fig. 27.

Fig. 27

Stage VI



Stage VII

Slide the *Return Controller* into the slot on right side of the *Bottom Shelf-4*. Place the *Return Turntable*, with the two small holes setting closets to the rear of the shelf, over the hole on the left side of the *Bottom Shelf-4*. Place the *Fraction Collector* on the *Fraction Collector Shelf-3*. After Accessories are placed unit will look like Fig. 28.

Connect the cable from the *Return Turntable* to the *Turntable* connection of the back of the *Return Controller Box* as shown in Fig.29.

Connect the cable from the *Balance Arm* into the *Optical Sensor* connection on the back of the *Return Controller Box* as shown in Fig. 29.



Fig. 28 Connect the *Return to Culex Cable* into the back of the *Culex Controller* with the end with the screw connector. See Fig. 30. Plug the other end with the 3 colored plugs into the color coded outlets on the bac k of the *Return Controller Box*. See Fig. 29.

Plug the short gray cable into the back of the *Culex Controller* at the *BAS Comm.* connection. Connect the other end into the back of the *Fraction Collector* into one of the *BAS Communication Network* connections. See Fig. 30.

Attach wire guides as shown. Place cables into wire guides as shown in Fig. 31.



Return to Culex Cable (color coded)
Return Turntable Cable

Fig. 29

Fig. 31



Power Cable
Computer Cable
Return to Culex
Fraction Collector Cable

Fig. 30



Wire Guides