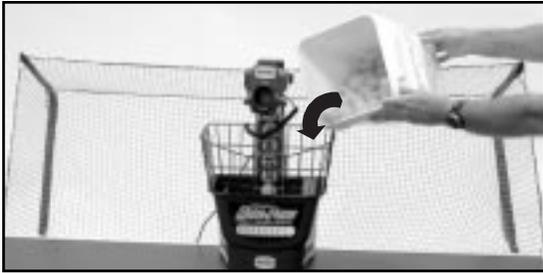




BALL CATCH NET II ASSEMBLY/USE INSTRUCTIONS

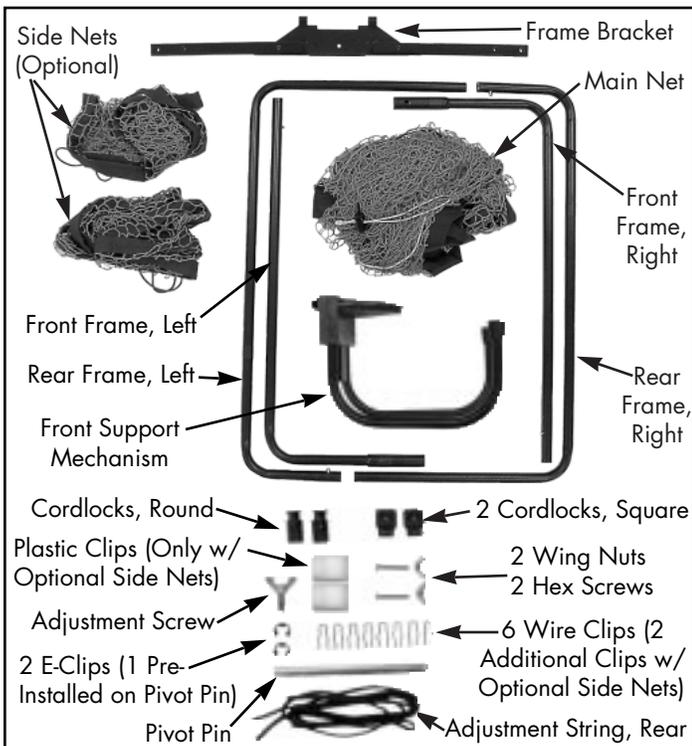
The Newgy Ball Catch Net II extends the functionality of Newgy Robo-Pong robots that have ball buckets. Placed behind a robot sitting on the table, it will capture almost all balls hit off the end of the table. Balls are fed down to an exit hole and will accumulate in a collection box or bucket (not supplied). When the ball bucket of your robot empties, pick up your collection bucket, refill your robot and you're ready to go again!



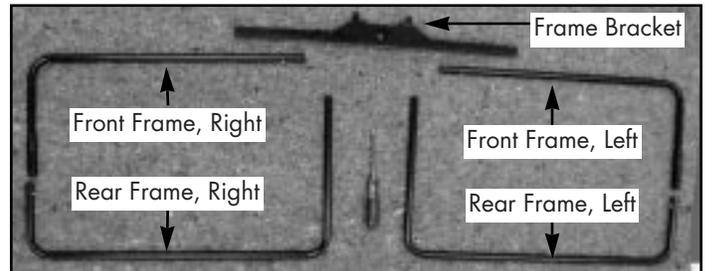
ASSEMBLY STEPS

Please read each step in its entirety. Then perform each step point by point. Pay close attention to the directions, especially the italicized words. Refer often to the diagrams of Step 1 for part identification.

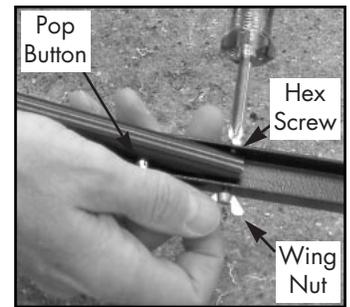
1 **VERIFY ALL PARTS**
Unpack all the parts from the box. Cover your ping pong table top and layout the parts so you can identify them. Become familiar with each part as shown in this diagram. If uncertain of the identity of a part, look for a small silver tag with the name of that part.



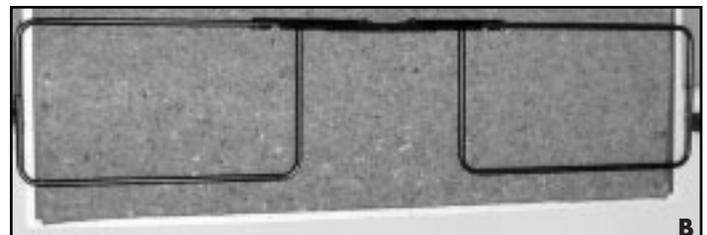
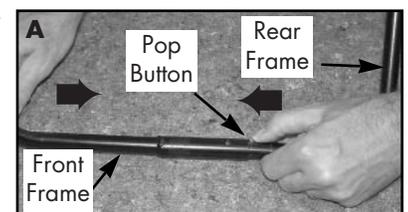
2 **ARRANGE FRAME PARTS**
Arrange the frame parts as shown below. Pieces are arranged in their relative final positions. **IMPORTANT: The rectangular cutout in the Frame Bracket should be forward of the central plate of the Bracket** (to ensure proper positioning). You will also need the 2 Hex Screws, 2 Wing Nuts, a #2 Phillips head screwdriver, and a pair of pliers. All parts are designated *left* or *right* as if you were standing *in front* of the net.



3 **ATTACH FRONT FRAME TO BRACKET**
Line up the hole at the end of the Right Front Frame with the hole on the *right* side of the Frame Bracket. Insert a Hex Screw through the holes and fasten with a Wing Nut. The Wing Nut needs to be at the *rear* of the Frame Bracket (as defined in Photo 2). Repeat on the left side. **Do not secure the pop buttons yet.**

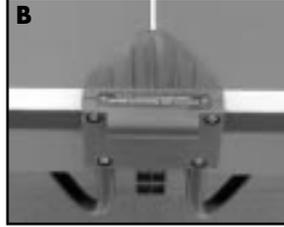


4 **INSERT REAR FRAME INTO FRONT FRAME**
Insert the Right Rear Frame into the Right Front Frame as shown (A). You will need to depress the pop button to fully insert. The pop button of the Rear Frame should pop through the *inside* hole (NOT the top hole) of the Front Frame. Repeat with the left side. Now snap the pop buttons of the Front Frame (Photo 3) into the holes of the Frame Bracket. When done, your frame should look like B.



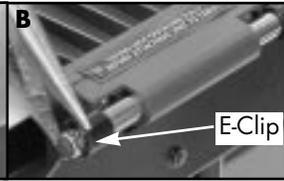
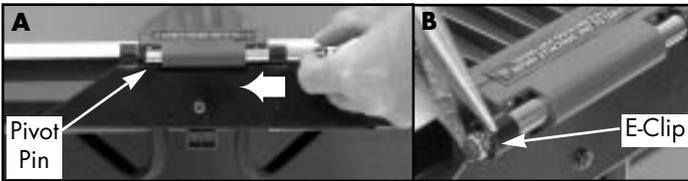
5 ATTACH FRONT SUPPORT TO TABLE

Spread the legs of the Front Support Mechanism apart as wide as possible. Then attach the mechanism by angling it downward and pushing it onto the end of the table (A). When positioned correctly the rubber pad rests on top of the table, the two legs contact the bottom of the table, and the center rib of the Support Plate aligns with the centerline of the table (B).



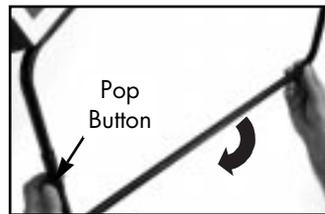
6 ATTACH FRAME TO FRONT SUPPORT

Place the Pivot Pin next to the Front Support Mechanism. With one hand, pick up the frame by the Frame Bracket and position the bracket against the back of the Front Support Mechanism. With the other hand, insert the Pivot Pin through both holes of the Frame Bracket and the hole of the Front Support. Secure in place with an E-Clip (use pliers if needed).



7 RAISE REAR FRAME MEMBERS

Place hands as shown and lift slightly with right hand. Depress the pop button and rotate the Rear Frame into its upright position. Repeat on the left side.



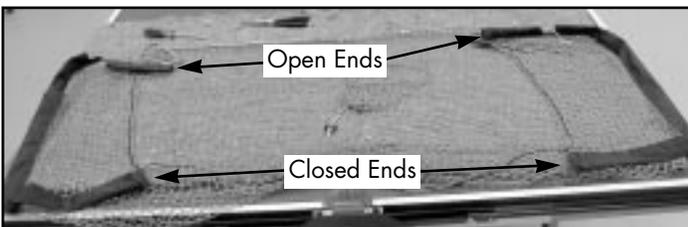
8 INSERT ADJUSTMENT SCREW

Screw the Adjustment Screw with wing-shaped head into the screw hole at the center of the Frame Bracket. Tighten it only to the point where it begins to move the frame.



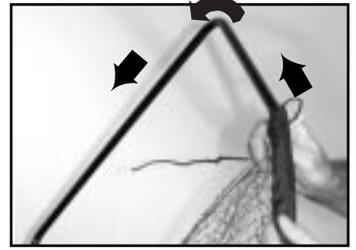
9 LAYOUT NET ON TABLE

Layout the net on the table as shown. This will position the net for easy installation on the frame. Be sure the fabric frame pockets are on top.



10 THREAD NET ONTO FRAME

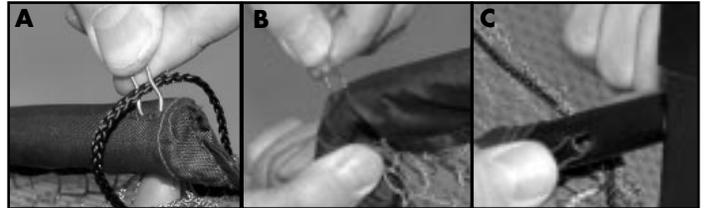
Pick up the net by the *open* end of one of the frame pockets and slip the net over the frame. Continue threading the net **until about half** of the Rear Frame is covered.



Repeat on the other side. After both sides are threaded half way, continue threading the net until the *closed* end of the frame pocket prevents further threading.

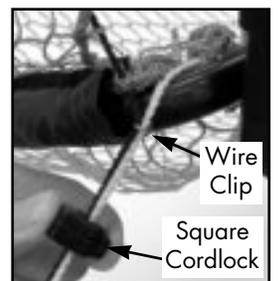
11 INSTALL WIRE CLIPS

Insert a Wire Clip at the end of the Rear Frame. Capture the black adjustment string in the clip before passing the clip through a buttonhole in the frame pocket and pressing it into a hole in the frame (A). Insert another clip at the *back upper corner* of the frame. This clip also passes through a buttonhole but does not capture a string (B). Install another clip at the frame's *front lower corner* (C). This clip does NOT pass through the frame pocket or capture a string (at least, not yet). Repeat on the other side.



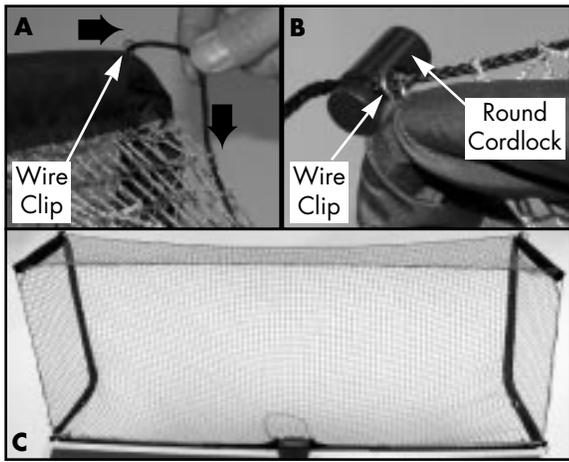
12 ADJUST FRONT STRINGS

Locate the black and the white strings at a front corner of the net. Pass the string ends through the wire clip you installed in Step 11C. Open a *Square Cordlock* by pressing on its top and insert the 2 strings through the cordlock. Push the cordlock up the string until it stops at the Wire Clip. Repeat on the other side, but pull both strings tight so the front edges of the net are taut and straight. **CAUTION:** Overtightening the strings can bend the frame inward. The strings should be taut, but not so much that they bend the frame.

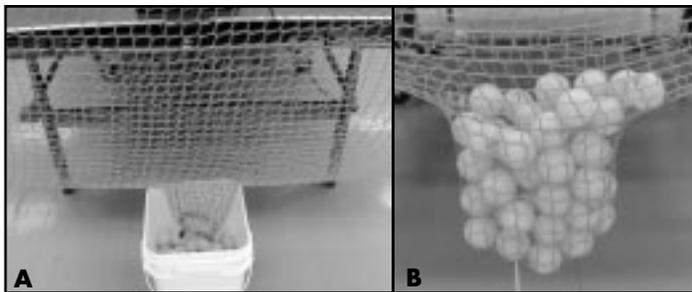


13 INSTALL REAR ADJUSTMENT STRING

Take the Rear Adjustment String and insert one end through the Wire Clip at a *upper rear corner* (11B). Then pass that end through the nearest hole of the net and into the *interior* of the net (A). Pull the string to the *opposite upper rear corner* and pass it through the net hole closest to the Wire Clip at that corner. Pull it through that clip and secure that end with a *Round Cordlock* (B). Go to the opposite corner and secure the other end of the string with the other Round Cordlock and tighten the string. Again, the string should be taut, but be careful NOT to overtighten. Your net should look like C. (Photos at top of next column.)



14 POSITION COLLECTION BUCKET Locate a suitable bucket or box and place it underneath the ball exit hole. (**TIP:** if you purchased the net with a robot, the robot box makes a handy collection box!) *Completely* loosen the cordlock at the ball exit so balls can fall out (A). If you do not have a suitable bucket, you may temporarily use the net by closing the ball exit with the cordlock and letting the balls collect in the bottom of the net (B). Of course, this will negate the convenience of the balls collecting in a bucket and will change net tension, possibly resulting in more balls rebounding out of the net. Using the net in this manner will strain the net and frame due to the weight of the balls, so only use this set-up for short periods of time.



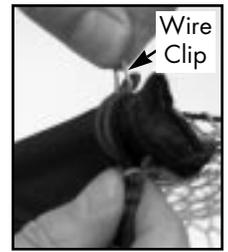
15 YOU'RE DONE! Try out your new net by setting up your robot in front of the net and practicing against the robot. When the robot stops picking up balls, shut off your robot, go to the back of the net, and pick up the collection bucket. Refill your robot with balls from the bucket and you're ready to go again! (See first photo on Page 1).

SIDE NET ASSEMBLY

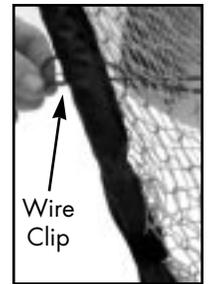
16 LAYOUT NET ON TABLE *Skip this section if you didn't purchase the Side Nets.* The optional Side Nets block off the sides of the table and direct wide angled shots into the main net. Lay a Side Net along the side of the table with the *broad* end closest to the endline of the table as shown.



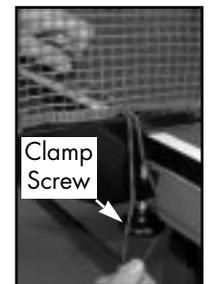
17 ATTACH TOP REAR CORNER Pull out the Wire Clip that holds the black *Front Upper Adjustment String* in place. Take the *short* flexible band at the *broad* end of the Side Net and, from the *interior* of the net, pass it through the net hole closest to where the clip was. Secure the flexible band in place with the Wire Clip. Both the flexible band and the black adjustment string will pass through the Wire Clip.



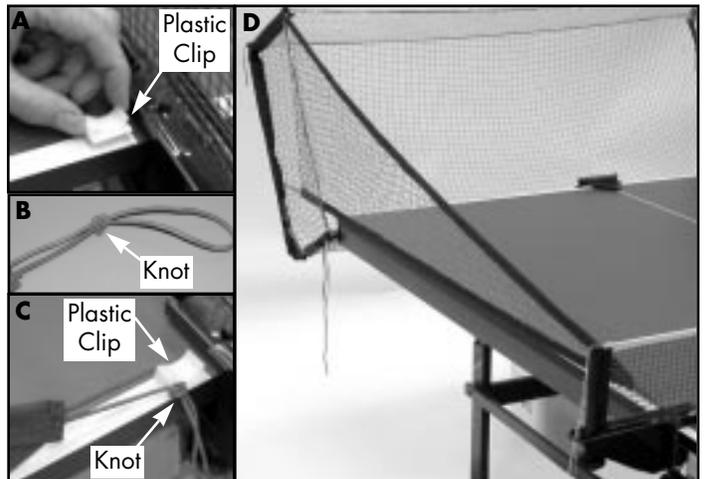
18 ATTACH BOTTOM REAR CORNER Locate a buttonhole in the frame pocket of the main net about 8 inches from the bottom of the Rear Frame. From the *interior* of the net, pass the *long* flexible band at the *broad* end of the net through the net hole closest to this buttonhole. Capture the band inside the clip and press the clip into the hole in the frame.



19 ATTACH FRONT CORNER If the table net has a clamp screw, pass the flexible band at the *front* of the Side Net over the *top* of the net support and wrap it around the clamp screw. Repeat Steps 16–19 with the other Side Net. If your table net doesn't have a clamp screw, proceed to Step 20. Otherwise, installation is complete (see 20D).



20 ALTERNATIVE FRONT ATTACHMENT If your table net does *not* have a clamp screw, use the Plastic Clips. Remove the backing on the bottom of a clip and press it onto the table top along the sideline about an inch from the net (A). The open end of the clip should face forward. Create a knot close to the centerpoint of the front flexible band of the Side Net (B). Insert the band into the clip where the knot is located (C). Side Net should look like D.



TAKE-DOWN INSTRUCTIONS

21

DETACH FRONT OF SIDE NETS

Skip this step if you don't have Side Nets.

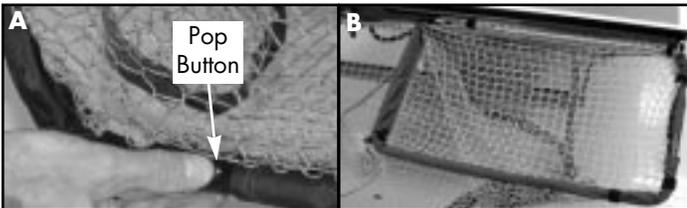
Unhook the front band of the Side Nets and toss the Side Nets into the main net. Leave the back of the Side Nets attached to the Wire Clips.



22

FOLD DOWN REAR FRAME

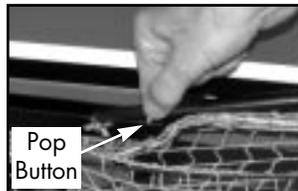
Loosen all adjustment strings. Depress the pop button that attaches the Rear Frame to the Front Frame (A) and rotate the Rear Frame down towards the center of the net. The Rear Frame should lock into place (B). Repeat on the other side.



23

FOLD UP THE FRONT FRAME

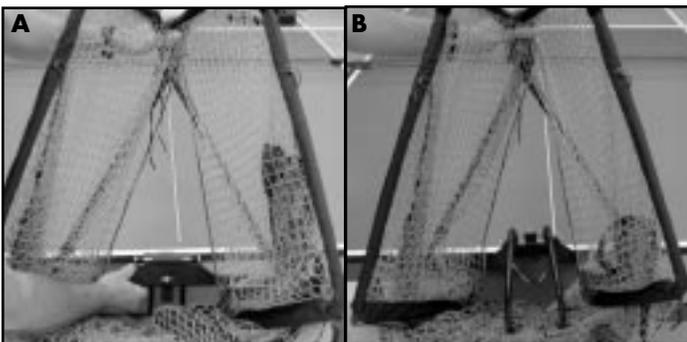
Press the pop button that helps hold the Front Frame to the Frame Bracket and lift up on the Front Frame. Repeat on the other side.



24

REMOVE NET FROM TABLE

While holding the two Front Frame Members at the top, grab the Frame Bracket and remove the net from the table (A). Then fold the 2 support legs inward and the Front Support Mechanism backwards into the center of the net (B).



25

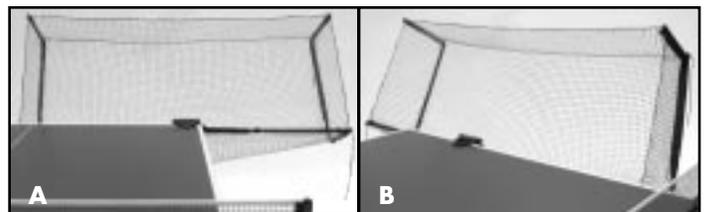
PUT THE NET AWAY

While continuing to hold the top of the frame, place the folded net in a closet or other place where it will be out of the way.



USAGE TIPS

1. Keep the adjustment strings taut, but do NOT overtighten. The proper net tension will ensure that the back of the net is loose enough to absorb ball impact and the bottom of the net taut enough to keep balls rolling toward the ball exit. If balls are rebounding out of the net, loosen the Rear Adjustment String or the Adjustment Screw. If balls are "bagging up" in the net, try loosening/tightening the Front Lower and/or Rear Upper Adjustment Strings.
2. The net's ideal rearward leaning angle is 22–25°. Most of the time it is unnecessary to adjust the net angle. However, over time, the net may loosen. In this case, tighten the Adjustment Screw to regain the ideal angle.
3. You can adjust Side Net tension by adding a knot in the flexible band (or changing its location if the band is already knotted, see 20B). Proper net tension will keep the net straight and upright but will not pull the main net forward. Too much Side Net tension will decrease the main net's angle and decrease its ball capture efficiency.
4. Keep the Side Net aligned above the table's sideline. Other alignments decrease the net's functionality.
5. The net works best when the ball exit hole is properly adjusted. Leaving the hole completely open usually works best. If balls are bagging up in the net, you can try closing the hole slightly. This will cause several balls to accumulate at the exit hole before the accumulated weight of the balls forces the hole to open and the balls to fall out. The added weight of the balls in the ball "sock" will cause balls to flow better toward the exit hole but will also increase net tension resulting in more balls rebounding out of the net.
6. If you didn't purchase the optional Side Nets, you may alternatively move the location of the net to capture more of your returns. Moving the Front Support Mechanism closer to a sideline (A) will capture more balls aimed at that corner. If you're practicing severely angled returns, you can mount the net on the side of the table (B).



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