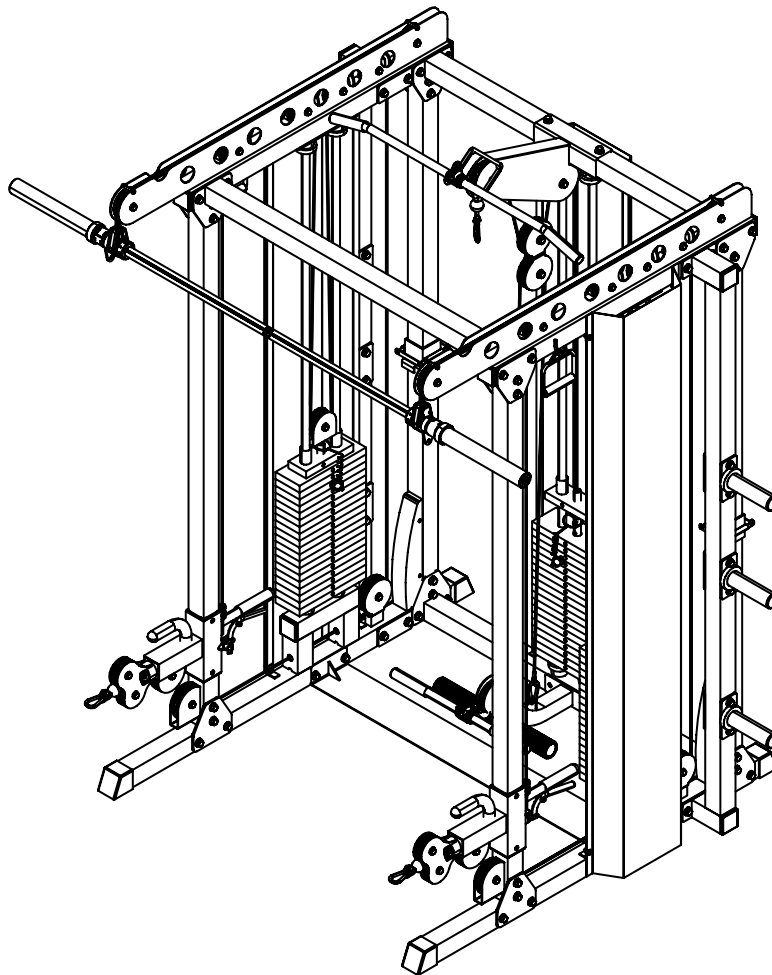


# PROSPOTfitness® Model P-600

## Owners Manual

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Serial Number: 18604R00175P-600

# Instructions for Assembly of the ProSpot*fitness*® P-600

- Before assembly, choose a safe location for your **PROSPOT*fitness*® P-600**. The **PROSPOT*fitness*® P-600** has a footprint of approximately 6'x 6'. The barbell is approximately 7' long. Locate your **PROSPOT*fitness*® P-600** away from any source of water. Do not allow any liquid to be near the machine or spilled on any electrical part. Do not insert any object into the electrical box.
- Approximate assembly time is 1-1/2 hours.
- A flat area of 9' x 9' will be required to assemble and properly use the **PROSPOT*fitness*® P-600**.
- You will need the following tools and a helper to complete the assembly:
  - Enclosed you will find the following tools:
    - 3 mm Allen Wrench
    - 4 mm Allen Wrench
    - 6 mm Allen Wrench
    - 3/16" Allen Wrench
    - 9/16" Allen Wrench
  - You will need the following tools:
    - 16 mm Hex Head Wrench
    - 18 mm Hex Head Wrench
    - Philips Screw Driver
- Floor Padding, such as cardboard, to avoid scratching your floor during assembly.
- A good pair of scissors will be helpful in separating the parts from one another while removing them from the cartons.
- HAND TIGHTEN all bolts. DO NOT fully tighten bolts until instructed to do so.
- Assistance by a second person is recommended for some steps of this assembly.
- Before assembly, separate and identify the right-sided parts from the left-sided parts. These parts are easily distinguished by the manner in which the pre-drilled holes align with corresponding parts, or are identified by "L" & "R" stickers.
- The **PROSPOT*fitness*® P-600** uses several different lengths of bolts. Be careful to use the correct length of bolt called for at each step of assembly. Refer to the sizing charts provided.
- **WARNING: Never perform any maintenance on the ProSpot*fitness*® P-600 while the Power Supply is plugged into the wall !!!**

**ALWAYS REMEMBER: After the initial set up of the system or after performing any service on the unit, **RESET the Computer** on your ProSpot system before using it. Just unplug the power supply from the Electronic Box, wait 30 seconds and plug back in. Resetting the Computer allows it to recalibrate and work to its greatest efficiency.**

# Instructions for Assembly of the ProSpot*fitness*® P-600

## Step #1 MAIN FRAME ASSEMBLY

1. Place the Base Rails (6,7) opposite each other in the center of the assembly area as shown in the illustration. Place Lower Frame Cross Brace (14) between the two Base Rails (6,7) so that the side, pre-drilled holes of the Base Rails align with the holes of the Lower Frame Cross Brace. Secure with bolt #107, flat washer #133 and lock nut #128.
2. Place the Lower Back Base Rail (13) between the two Base Rails (6,7). Make sure the rubber grommet hole for the Base Frame Wire Harness (143) is facing toward the back of unit. Thread the Base Frame Wire Harness (143) sticking out of the ends of the Lower Back Base Rail (13) through the side openings of the side Base Rails (6,7). **Note: The optional ProSpot*fitness*® PHL-60 Hi/Low Pull can be mounted rear-facing in order to create a separate exercise station. If you wish you to mount the PHL-60 rear-facing, make sure the rubber grommet hole for the Base Frame Wire Harness (143) is facing toward the front of the unit when placing the Back Base Rail (13) between the two Base Rails (6,7).**
3. Align the side pre-drilled holes of the Base Rails (6,7) with the holes of the Lower Back Base Rails (13). Place right and left rear locking posts (one at a time) (4,5) onto Base Rails (6,7) by lining up holes with the Base Rails. Ensure that holes are facing the back. Secure with bolts #106, flat washers #133 and lock nuts #128. Plug Base Rail Wire Harness (143) into Spiral Cable (144) as shown in Diagram.
4. Place right and left Front Guide Posts (1,2) onto Base Rails (one at a time) (6,7) by lining up holes with the Base Rails (6,7). Make sure decals and pulleys are facing forward. Attach Support Plate (3) to inside of both right and left Guide Posts (1,2) to the Base Rails. Secure with bolts # 106, flat washers #133 and lock nuts #128.
5. Slide the right and left Cable Head Slider Frame (15,16) onto right and left Front Guide Posts (1,2) so that the Lock Down Pin (26) on each Cable Head Slider Frame is on the inside on the Front Guide Posts (1,2). Install Lock Down Pin (26) by screwing it into the pre-threaded hole.
6. Attach upper Support Plate (3) to outside of both right and left Front Guide Posts (1,2). Insert two bolts #106 and two flat washers #133 through two lower holes in the upper Support Plate (3). Align the holes of the Front Top Rail (12) with the holes of the right and left Front Guide Posts (1,2). Secure with bolts #106, flat washers #133 lock nuts #128.
7. Attach Back Top Upright Support Plate (10) to the outside of both right and left Rear Locking Posts (4,5). (Note: Pre-drilled holes of the Back Top Upright Support Plates are placed off center. To ensure proper placement, position Back Top Upright Support Plate so that the holes are toward the front of the Rear Locking Posts (4,5). (See diagram.) Insert two bolts #106 and two flat washers #133 through two lower holes in the Back Top Upright Support Plate (10). Align the holes of the Back Top Rail (11) with the holes of the right and left Rear Locking Posts (4,5). Secure with washer #33 and lock nut #128.
8. If the two Big Pulley Double-Groove (34) on each Upper Frame (8,9) are not pre-installed, install them at this time. These two pulleys are placed on each end of the Upper Frames (8,9). Align each Big Pulley Double-Groove (34) with the pre-drilled holes and secure with bolts #108, flat washers #134 and lock nuts #129.
9. If the four Upper Frame Pulleys (32) on each Upper Frame (8,9) are not pre-installed, install them at this time. For each pulley, align pulley holes with pre-drilled holes. Place an Upper Frame Pulley Bushing (36) on both sides of pulley and secure with bolt #108, flat washer #134, lock nut #129
10. Place the right Upper Frame (8) onto the right side of partially assembled frame so that the accessory hook faces outward. Align pre-drilled holes on upper frame with back and front top rails (11,12). Secure with bolts #106, two flat washers #133 and two lock nuts #128. Repeat procedure with left Upper Frame (9). **Caution:** be careful not to pinch cables while inserting Upper Frames.
11. Tighten all bolts at this time.
12. At this time the barbell cables (32,33) will be hanging out of the right and left Rear Locking Posts (4,5). Raise the barbell cables up and over the top of the double-grooved pulleys. Place them into the grooves, taking care not to cross the cables.
13. Install Cable Keeper over the Big Pulley Double-Groove (34), using bolt #114, two flat washers #137 and lock nut #131. Position the Cable Keeper Tube (35) between the frame. Place bolt and washers through upper frame, through the tube and secure with lock nut on the other side of the frame.
14. Place Inspection Cover (75) on each left and right Rear Locking Posts (4,5) using #126 Phillip screws.

## STEP #2 – SENSOR WEIGHT BAR INSTALLATION

1. Standing in front of the ProSpot Fitness P-600, slide one end and then the other end of the Sensor Weight Bar (37) into the Knuckles (55,56,57). Ensure that barbell cables are not crossed or twisted. Slide the Knuckles onto the bar until they rest snugly against the pre-installed Sensor Retaining Collars (50,51). There is a rotation-limiting pin that protrudes from the bottom of the Sensor Weight Bar (37) that must fit through a slot in the Knuckles as it is slid into position.
2. Install plastic Locking Sleeve (42) onto each end of the Sensor Weight Bar (37) and slide them inwards until they rest firmly against the Knuckles (55,56,57). Tighten bolts using supplied 4mm Allen Wrench, ensuring that the Locking Sleeve (42) securely holds the Knuckles (55,56,57) in place.
3. Install the Weight Bar Rotating Brackets (43) by sliding them onto each end of the Sensor Weight Bar (37). Attach snap link (clip) (157).
4. Slide Olympic Adapters (38) onto each end of the barbell and secure with Weight Bar Shoulder Bolt (40), using supplied, large, 9/16 Hex wrench to fasten the shoulder bolt.
5. Attach Spring Clips (39) to barbell.

## STEP #3 – PULLEY INSTALLATION

1. Begin by installing the two Large, Single-Groove Pulley (32) into left and right Base Rails (6,7). Align pulleys with pre-drilled holes and secure with bolt #109, flat washer #32 and lock nut #129.
2. Install two Large, Single-Groove Pulleys (32) into the left and right Guide Posts (1,2) by aligning pulleys with pre-drilled holes and secure with bolt #109, flat washer #32 and lock nut #129.
3. Install large, Single-Groove Pulley (32) into Cable Head Slider Frame (15,16) by aligning the pulley with pre-drilled holes and secure with bolt #109, flat washer #32 and lock nut #129.
4. Install two small, Single-Groove Pulleys into each Cable Swivel Head Pulley Frame (31) by aligning each pulley with the pre-drilled holes and secure with bolt #109, flat washer #32 and lock nut #129.

## STEP #4 – SIDE WEIGHT PLATE HOLDER SUPPORT FRAMES

1. Attach each Side Weight Plate Holder Support Frame (66) to Upper Frame (8,9) and side Base Rails (6,7) and secure with Backing Plate (67) and bolts #106, flat washers #133 and lock nuts #128.
2. Attach Top Weight Plate Holder (69) to each Side Weight Plate Holder Support Frame (66) in top position. Secure with Backing Plate (67) and bolts #106, flat washers #133 and lock nuts #128. Note: The Top Weight Plate Holder has a hole in it for optional dip station.
3. Attach Lower Weight Plate Holder (68) to Side Weight Plate Holder Support Frame (66) in two lower positions. Secure with Backing Plate (67) and bolts #106, flat washers #133 and lock nuts #128.

## STEP #5 – WEIGHT STACKS INSTALLATION

1. Remove both PWS-200 Weight Stacks (98) from their cartons and place near the P-600.
2. Insert Bottom Guide Rod Cup Holders (97) into the elevated part of the side Base Rails (6,7), as shown in Diagram. Note: there are two different types of Guide Rod Cups. The Top Guide Rod Cup Holders have a flat side while the Bottom Guide Rod Cup Holders are completely round. Ensure that the Bottom Guide Rod Cup Holders are installed at this time.
3. Insert Weight Stack Guide Rods (100) into Bottom Guide Rod Cup Holders (97).
4. Add weight plates. This step is easier to perform with assistance from another person. Tilt Weight Stack Guide Rods (100) to the side so that the weight plates can be slid onto them. Starting with the bottom #200 weight plate slide down on Guide Rods (100). Keep weight plates in order and make sure the weight indicator numbers face inward. Repeat until all weight plates are installed. Then install top plate with Selector Key (99) on cord facing toward the inside of the unit.
5. Slide Top Guide Rod Cup Holders (96) onto the Guide Rods (100) ensuring the flat portion of the Cup Holders are facing each other on the inside of the weight stack.
6. Install Guide Rod Retainer Housing (95) on top of the Top Guide Rod Cup Holders (96). Position them underneath the left and right Upper Frames and bolt into pre-threaded hole in frame using bolt #111, spring washer #135 and flat washer #134.

7. Place Side Weight Stack Covers (73) so that the holes on the cover align with the holes on the tabs of the Upper Frame and bottom Side Base Rails (6,7). Secure with bolts #113, flat washers #136 and nuts #130.
8. Install jam nuts (103) onto threaded portion of each Weight Stack Pulley Bracket (101). Rotate the nut until  $\frac{3}{4}$ " of the thread is exposed. Now install Weight Stack Pulley Brackets (101) to the top plate of the weight stacks (98). Turn each Weight Stack Pulley Bracket until it hits the jam nut (103).
9. Install small, Single-Groove Pulley (33) into each Weight Stack Pulley Bracket (101) and secure each with bolt #109, flat washer #134 and lock nut #129.
10. Make sure all pulley bolts are tight.

#### **STEP #6 – CABLE INSTALLATION**

1. If ball and bracket assemblies are attached to cables, disassemble and set aside.
2. Begin by screwing Side Weight Stack Cable (102) into Cable Head Slider Frame (15,16) one-half inch ( $\frac{1}{2}$ ").
3. For each left and right cable installation perform the following steps: Thread Side Weight Stack Cable (102) over the two pulleys in the Upper Frame (8,9), then down and underneath the Weight Stack Pulley and back up over the remaining two Upper Frame pulleys and then down to the pulley on the side Base Rail (6,7). Next, thread the cable through the holes in the weight stack support frame on the lower base rails, then underneath the pulley in the Front Guide Post (1,2). Go over top the large pulley in the Cable Head Slider Frame then between the two small pulleys in the Cable Head Slider Frame (15,16). (See Diagram.)
4. Once cable is through the two small pulleys in the Cable Head Slider Frame (15,16), install ball and bracket assembly onto the end of the cable: Slide hard, black, plastic ball into cable end and slide round ball tip of cable into u-shaped bracket. Place Link Ring (158) into u-shaped bracket and secure assembly with bolt and nut supplied.

**NOTE: Be sure that the cables are in the groove of each Pulley and that the Cable and Pulleys move smoothly.**

#### **STEP #7 – ELECTRONIC BOX INSTALLATION**

If installing optional PHL-60, see PHL-60 instructions for Electronic Box Installation. If not installing optional PHL-60, follow instructions below:

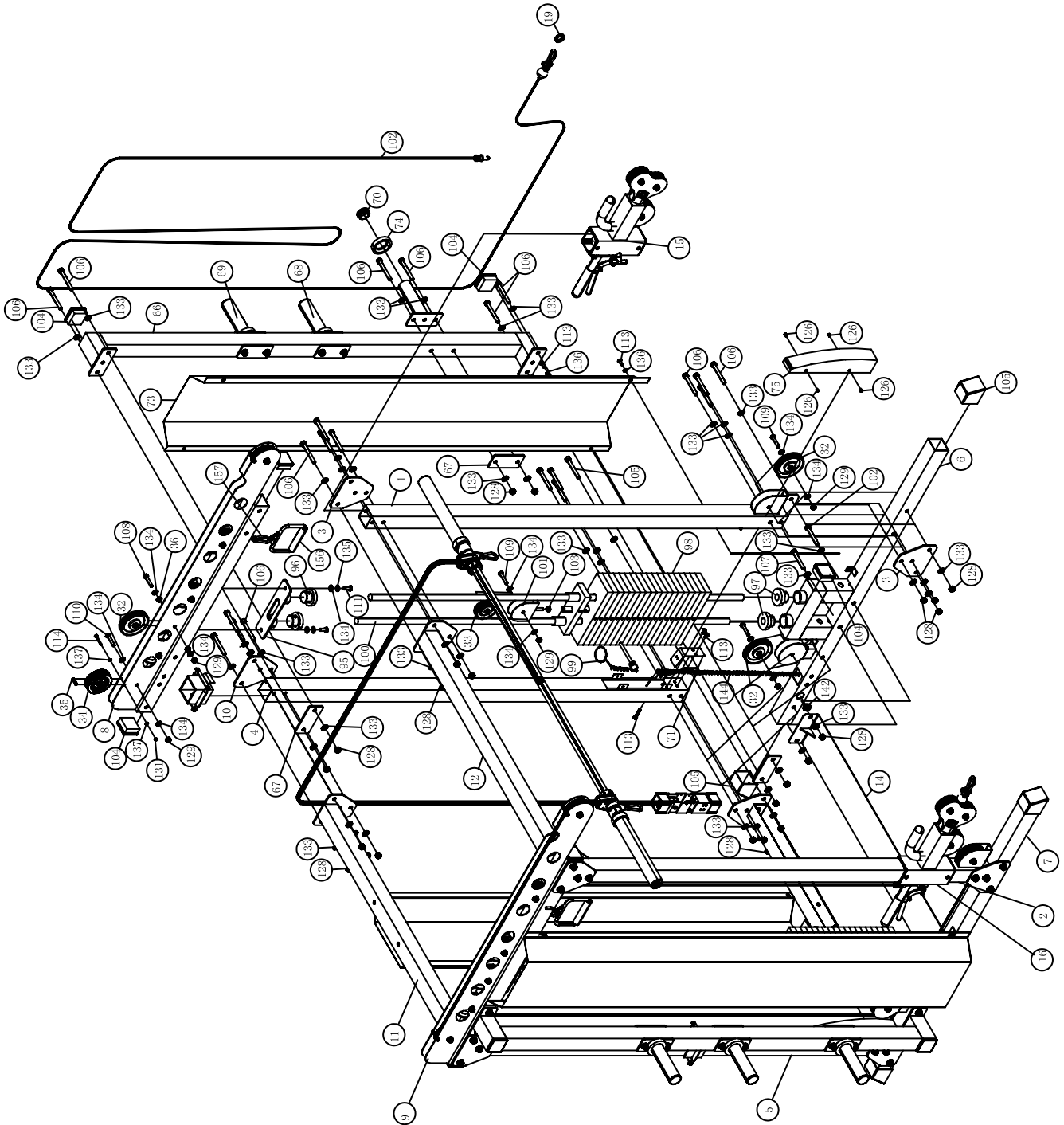
1. Place Electronic Box Locating Board (76) behind Back Base Rail (13). Pull Base Rail Wire Harness (143) through the Electronic Box Locating Board (76). Align Electronic Box Locating Board (76) with pre-drilled holes in the Back Base Rail (13). Secure with two of each bolt #106, flat washer #133 and lock nut #128.
2. Place Electronic Box (77) onto Electronic Box Locating board (76). Plug wire harness (143) into Electronic Box (77) so that the indicating lights are upwards and the plug is facing backward. Push excess wire into Back Base Rail (13).
3. Install Protective Cover (78) and secure with two screws #121.
4. Plug one end of the power supply into wall receptacle and the other end into the Electronic Box (77). The indicating lights of the Electronic Box (77) should blink green, showing there is power to it. When sensors are activated, a steady red light will also come on.

**Note: Rear Cover For Optional Weight Stack (151) will only be used if PHL-60 is installed. If PHL-60 is being installed, attach the Rear Cover for Optional Weight Stack (151) using the following instructions:**

1. Install Rear Cover Link Plate (154) by aligning holes with Back Base Rail (13) and secure with bolt #112, two flat washers #136 and lock nut #130.
2. Place the Rear Cover For Optional Weight Stack (151) so that the upper holes align with the holes in the Back Top Rail (11). Secure with bolt #112, two flat washers #136 and lock nut #130.
3. Secure bottom portion of Rear Cover (151) to the Link Plate (154), using bolt #113, two flat washers #136 and lock nut #130.

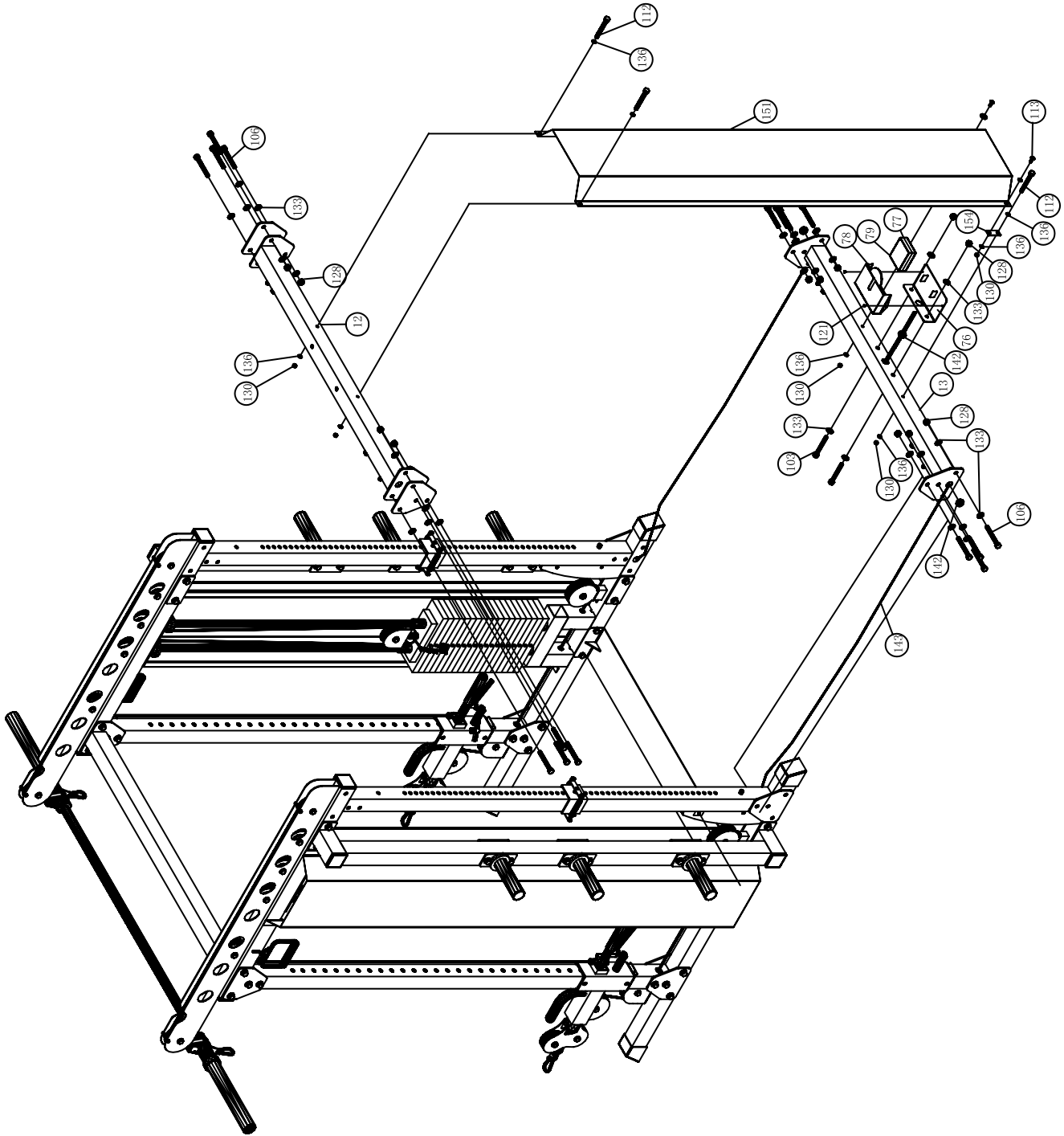
# MAIN FRAME ASSEMBLY

## Diagram 1

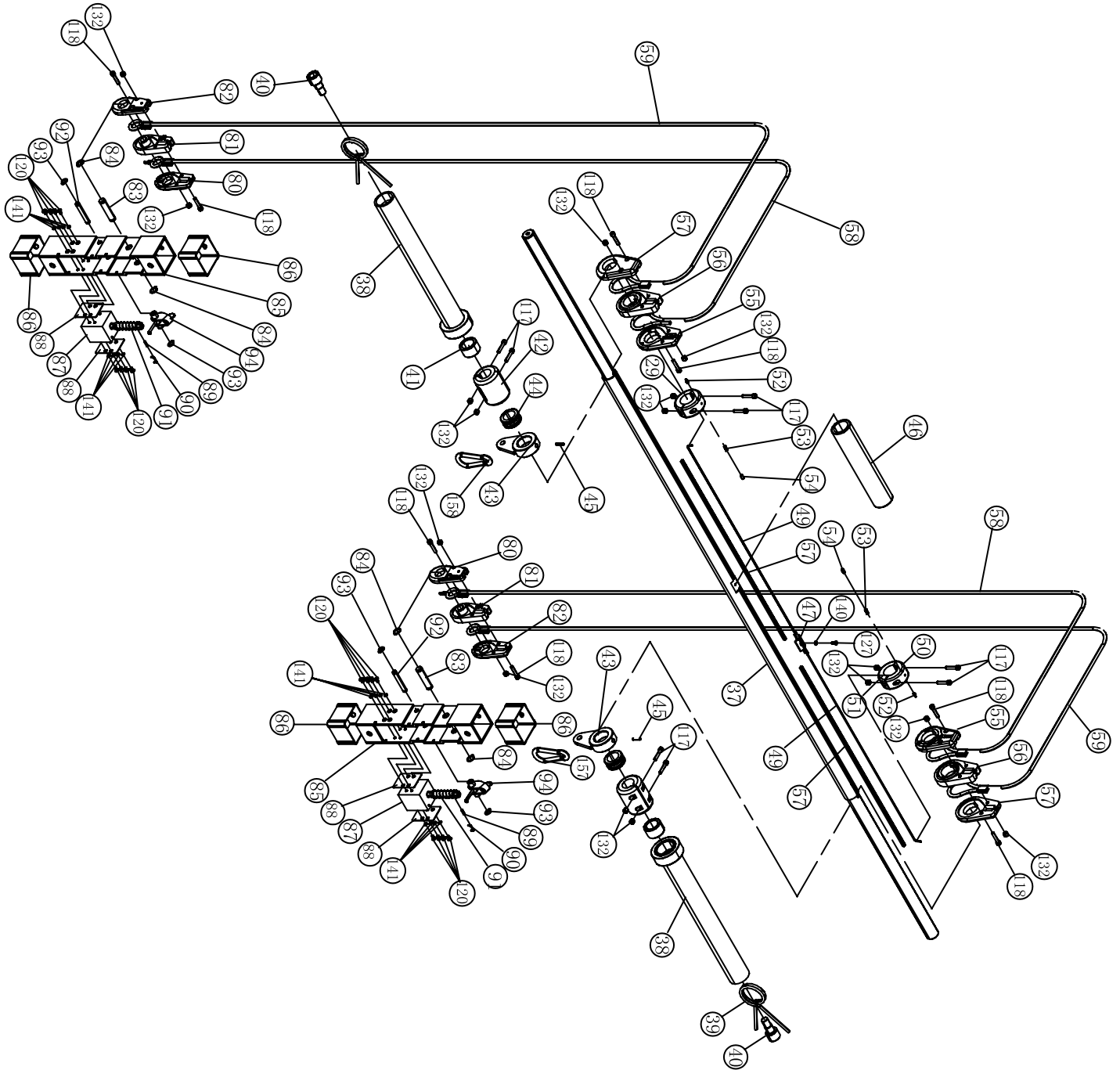


# MAIN FRAME ASSEMBLY

## Diagram 2

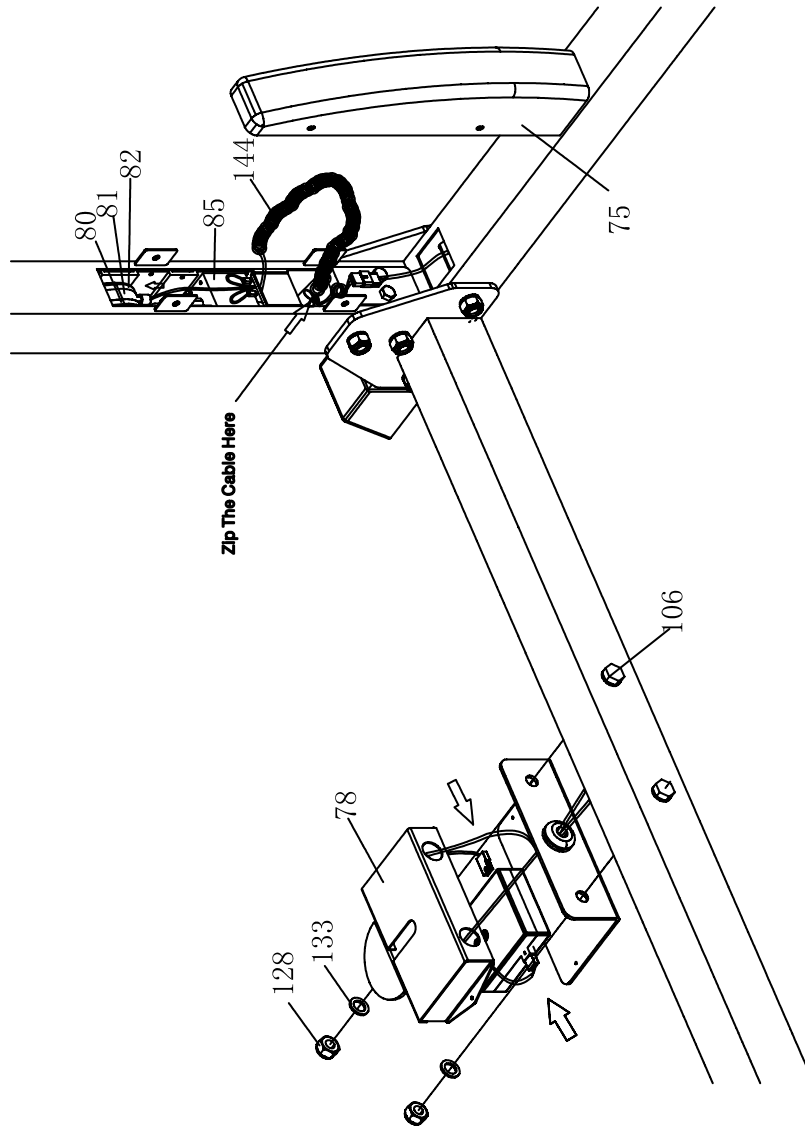


# SENSOR WEIGHT BAR INSTALLATION



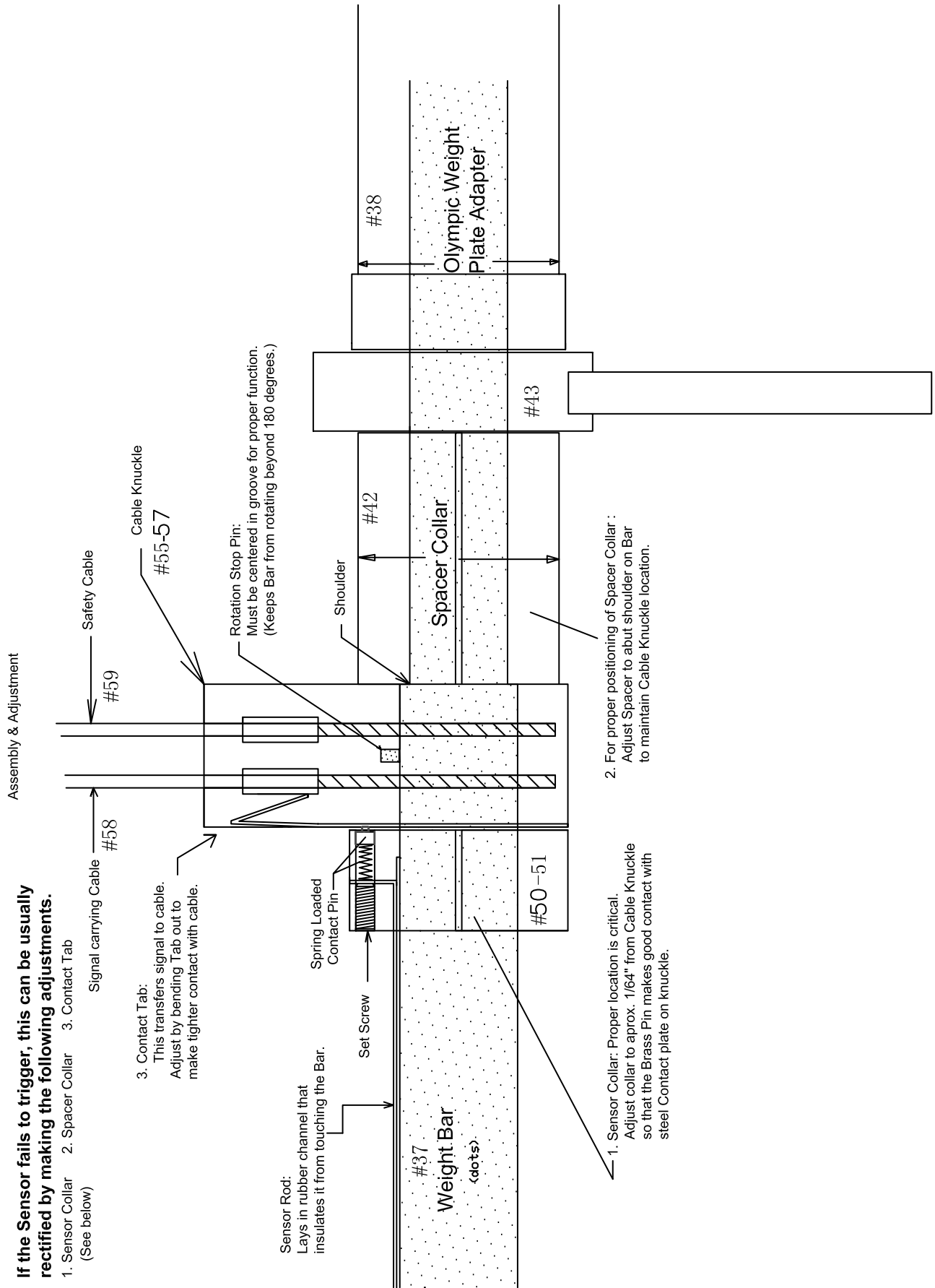


# ELECTRONIC BOX INSTALLATION





# Weight Bar-Cable Knuckle Assembly & Trouble Shooting Diagram



# **!!Read!! This Page Before Using Your ProSpotfitness® Product**

## **Safe Use of Your ProSpotfitness® Product**

1. **CAUTION:**  
This machine involves the risk of possible injury by its user.
  
2. **THE FOLLOWING RULES SHOULD BE CAREFULLY FOLLOWED:**
  - Consult a physician or other healthcare provider before beginning an exercise program.
  - If you are in bad health or are handicapped, ask for the opinion of your physician and exercise only under qualified supervision.
  - Discontinue to exercise if you experience any light-headedness, dizziness or shortness of breath and consult your physician.
  
3. Keep small children and others at a safe distance from all moving parts. The up and down movement of the weights can be dangerous.
  - Never allow your fingers, toes, hair, other body parts or loose clothing to come near weights while they are in motion.
  - Never attempt to exercise with more weight than you are physically able to handle.
  - Prior to every use, inspect your machine to ensure all parts are free from defect and are fully operational.
  - Check all fasteners to make sure none have loosened with use. Tighten any loose fasteners if necessary.
  
4. **Warning:** Never perform any maintenance on the unit while the power supply is plugged into the wall.

## User Instructions for the P-600

Do not allow any liquid to be near the machine or spilled on any electrical part. Do not insert any foreign object into the electrical box or attempt to open it. If you have any questions or need help refer to our web site at [www.prospotfitness.com](http://www.prospotfitness.com).

1. Connect the power supply to a standard 110-volt household current. While connecting the power supply do not touch the barbell as this may interfere with the computer's initial settings. If you need to reset the computer, simply unplug the power supply, wait 10 seconds and reconnect it. It is recommended that surge protection be used to help protect and extend the life of the Electronic Box of the unit from power surges and lightening strikes. A flashing green light will appear on the Electronic Box when power is on. When sensors are activated, a steady red light will also come on.

***Become familiar with the Grab and Go® operation BEFORE placing weights on the barbell.***

2. Position the Spot Blocks: Before positioning the Spot Blocks, place the barbell into the lowest position for the exercise you will be performing. Move the barbell by grasping it and raising it 1" to unlock, then raise or lower it into the desired position. Open hands to lock the barbell in place. To move the Spot Blocks, place your index and middle fingers underneath the finger grip and your thumb on the push-release lever. Push in the push-release lever with your thumb and move the Spot Blocks so that they are touching the top of the slider locking block (the black block with the ProSpot Fitness® logo on it). Release the push-release lever to lock the Spot Block in place.
3. Assume a normal starting position for your desired free-weight exercise.
4. Grasp the barbell:
  - I. Rotate the barbell so that the Touch Sensor Strip embedded in the barbell is touching your fingertips. It is necessary for your fingertips to maintain skin contact with the Touch Sensor Strip throughout your free-weight exercise.
  - II. Learn the **Rule Of Thumb**: Sometimes referred to as a "false grip" or "sissy grip", the Rule Of Thumb is a style of grip in which the thumb does not wrap around the bar but rests alongside the index fingers. Using this type of grip with your ProSpot Fitness® equipment will prevent your thumb from maintaining skin contact with the Touch Sensor Strip when you attempt to lock the bar in place.
  - III. Once you have grasped the barbell, you will hear a soft 'click' and a solid red light will appear on the Electronic Box in addition to the flashing green power light.
5. While still grasping the barbell, lift about 1", using an even upward lifting motion on both sides of the barbell. This upward movement will disengage the locking mechanism. If you have performed this step correctly, the barbell will now be under your control, the cables will move freely over the pulleys and the slider knuckles will slide smoothly up and down the guideposts. You can now safely perform any free-weight exercise without the need of a spotter. Simply Grab and Go®!
6. Locking the barbell in place: When you are finished using the barbell, open your hands to remove your fingertips from the Touch Sensor Strip and at the same time continue to support the barbell with the palms of your hands. (Make sure no other skin contact is being made with the Touch Sensor Strip.) Slowly lower the barbell until it locks into position. There is a locking position every 1". Now remove your palms from the barbell. The barbell is now locked and ready for your next exercise.
7. Always maintain control of the movement of the barbell. Do not allow the barbell to swing against the machine frame, as this may cause damage to the finish. Do not attempt to throw or slam the barbell attached to the cables, as this may result in damage to the locking mechanism. Intentional misuse of the P-600 will void any and all warranties.

## **User Instructions for the P-600 (con't)**

***Once familiar with the Grab and Go® operation, you can now begin using the barbell with weight plates:***

Note: The P-600 has a 750-pound capacity. Do not exceed the recommended capacity.

1. Position Spot Blocks for the desired exercise. (Refer to #2 above.)
2. Make certain the barbell is level before loading weight plates. Level the barbell by raising up one end of the barbell until it is level. (The P-600 is equipped with a ratcheting feature that allows the barbell to be manually raised from side-to-side.) Or, level the barbell by grasping it with both hands, making sure the fingertips make contact with the touch sensor strip. Lift the barbell upward about 1" to release it from the locking mechanism and place it in a level position. Once the barbell is level, open your hands to lock it in place. Load weights evenly on both sides of the barbell.
3. Secure all weight plates with supplied spring clips. You are now ready to begin your free-weight exercise routine.
4. Perform your exercise following the steps outlined in steps #2-6 in the previous section.
5. Before removing the weight plates from the barbell, make sure it is in a level position.
6. Never attempt to lift more weights than you can safely handle. Never put more than 750 pounds on the barbell.

***The weight stacks can be used to add resistance to the barbell, eliminating the need for weight plates:***

1. Move each Cable Head Slider Frame down to the lowest position: Loosen Lock Down Pin, squeeze handle and slide into place. Release handle to lock into position, ensuring that the Cable Head Slider Frame is securely in one of the holes on the Front Guide Post. Tighten Lock Down Pin.
2. Lower the barbell to the lowest position. Attach the snap links (clips) on the barbell to the snap links (clips) on the Cable Head Slider Frame.
3. Insert Weight Selector Pins into desired position on weight stacks. You are now ready to begin the exercise.

Note: Weight plate indicator numbers refer to the *combined* weight of both weight stacks. For instance, selecting 50 pounds on both weight stacks means the barbell is weighted with a total of 50 pounds.

***The weight stacks can also be used to add additional resistance to the barbell in desired increments:***

1. Attach weight stacks to barbell as instructed above.
2. Add desired amount of weight plates. Be sure to secure weight plates with spring clips.
3. For additional resistance on the barbell, insert the Weight Selector Pins into the weight stacks. You can add additional resistance in 10-pound increments.

Note: A more natural feel with the barbell is produced when weight plates are added to the barbell in 45-pound increments (one per side) and the weight stacks are used as supplemental resistance. When More than 85 pounds on the barbell is required, use two 45-pound plates (2 per side) and use the weight stacks for supplemental resistance.

## **User Instructions for the P-600 (con't)**

### ***Using Cable Crossover:***

The cable crossover feature of the P-600 can be used for a variety of exercises. The Cable Head Slider Frames can be positioned for use either together or singly. See Exercise List for a few specific exercise suggestions.

1. Place barbell into the notched grooves on top of the P-600. This secures the barbell and keeps it out of the way during cable use.
2. Depending on exercise, move one or both Cable Head Slider Frames to the desired position: loosen Lock Down Pin, squeeze handle and slide into place. Release handle to lock into position, ensuring that the Cable Head Slider Frame is securely in one of the holes on the Front Guide Post. Tighten Lock Down Pin.
3. Attach one of the handle accessories to one or both snap links (clips) on the Cable Head Slider Frames. (When finished with handle accessories, store them on accessory hooks located on both sides of the upper frame.)
4. Insert Weight Selector Pin into desired position to add resistance.

**Note:** When using just one weight stack for an exercise, the actual weight being used will be one-half of what is shown by the weight indicator numbers. For example, if using 50 pounds on one stack to perform a cable curl, the actual weight being used is 25 pounds.

### ***Performing Chin-Ups:***

Chin-Ups can be performed using the barbell when it is placed into the notched grooves on top of the P-600. Ensure that the barbell is secure before performing chin-ups.

### ***Using optional PBL-60 Bench with optional PHL-60 High/Low Pull:***

1. Insert the weight-selector pin into the weight stack to add resistance for use with the high-pulley and low-pulley exercises.
2. To perform leg extension and leg curl exercises, attach the bench cable to the low-pulley. Make sure the cable is taut by pulling out the bench until there is no slack in the cable.
3. To use optional PPC-60 preacher curl, remove leg extension/curl roller bar and replace with the PPC-60 preacher curl. Attach preacher curl handle to the bench front cable using the supplied snap links (clips). Insert Weight Selector Pin into PHL-60 optional weight stack to add resistance.

**Note:** When using the optional PHL-60 weight stack, the weight shown by the weight indicator numbers is the actual amount of weight being used. For example, if using 50 pounds to perform a cable curl, the actual weight being used is 50 pounds.

*For more detailed instructions regarding the use of the optional PBL-60 Bench and optional PHL-60 High/low pull, refer to bench and high/low pull user instructions.*

## P-600 Sample Exercise List

<b>BARBELL EXERCISES*</b>	<b>CABLE EXERCISES</b>	<b>CORE EXERCISES</b>
<p>Flat Bench Press            Incline Bench Press            Decline Bench Press            Seated Military Press            Tricep Extension (Curl)            Close-grip Bench Press            Bicep Curl            Reverse Curl            Bent-Over Row            Upright Row            Barbell Shrug            Barbell Pullover            Neider Press            Front Raise            Squat            Front Squat            Hack Squat            Lunge            Reverse Lunge            Split Squat            Dead Lift            Hang or Power Clean            Calf Raise            Jammers            Good Mornings</p> <p>*Using either weight plates or side stacks for resistance</p>	<p>Preacher Curl            Standing Bicep Curls            Seated Barbell Curl            Lying Bicep Curl            Single-Arm Push Down            Two-Arm Tricep Push Down            Crossover Push Down            Reverse (bent-over) Tricep Extension            Lying Tricep Extension            One-Arm Kick Back            Double Kick back            Shrug            Low Row            Seated Shoulder Press            Standing One-Arm High Row            Standing Two-Arm High Row            Bent Over Row (using one cable)            Bent Over Row (using two cable)            Bent Over Rear Lateral Cross Raise            Standing Rear Lateral Cross Raise            Lat Pull Down            Standing Pullover            Lying Pullover            Kneeling Double Pull Down            Single Straight-Arm Push Down            Double Straight-Arm Push Down            Standing Wrist Curl            Preacher Wrist Curl            Reverse Wrist Curl            One-Arm Lateral Raise            Crossover Lateral Raise            One-Arm Front Raise            Two-Arm Front Raise            Double Kickback            Cable Flies            One-Arm High Cable Fly            One-Arm Low Cable Fly            Prone Cable Fly            Standing High Cable Crossover            Standing Low Cable Crossover            Cable Pullover            Oblique Crunch            High Woodchopper            Low Woodchopper            External Shoulder Rotation            Internal Shoulder Rotation            Standing Hip Extension            Standing Adduction            Standing Abduction            Pull Through            Leg Extension            Hamstring Curl</p>	<p>Dips with barbell            Chin up            Reverse Pull-Up            Upright Pull-Up            Kneeling Cable Crunch            Lying Cable Crunch            Reverse Cable Crunch            Pushups on Barbell            Lying Hip Extension</p>



## Maintenance of ProSpotfitness® Product

Our products are made of durable materials and have been factory tested to assure proper function and reliability. Along with our Equipment Warranty, this gives the owner of our product the confidence of a long lasting relationship with ProSpotfitness® Inc. Our systems are designed in a way to allow easy replacement of parts both mechanical and electrical if the need should ever arise. If you are a new owner of a ProSpotfitness® system, three important things need to be done to assure prompt service under the warranty:

1. Fill out and fax or mail to us your Product Warranty Registration Card along with a copy of your sales receipt (proof of purchase) if your dealer has not done this at time of purchase.
2. Your system needs to be set up properly according to the assembly manual.
3. Follow user instructions on how to properly use the system.

## Maintenance Program

Note: Our products are recommended for climate-controlled environments. Outdoor use is not recommended and will void the warranty.  
Carefully inspect machine before each use to determine that it is free from defects.

Do **NOT** use machine if you find:

1. A loose, broken or frayed cable – (needs to be replaced)
2. A loose, broken or frayed power cord – (needs to be replaced)
3. Any broken, cracked, torn, frayed or defective part of the machine – (needs to be replaced)
4. Loose bolts or fasteners. Check all fasteners to make sure none have loosened with use. Tighten any loose fasteners.
5. Pulleys sticking or Cables binding. Check for free movement of all cable and pulleys. Adjust or replace if necessary.

### **Lubrication:**

Lubricate the Internal Locking Blocks periodically by spraying a standard silicone lubricant (found in hardware stores) into the top of the # 4 & 5 Locking Upright Posts in the inside corners of the tube. Do not over lubricate.

**Warning:** Never perform any maintenance on the unit while the power supply is plugged into the wall.

# ProSpotfitness® PHL-600 Parts list

Item #	Description	Quan.	Item #	Description	Quan.
1	Right Front Guide Post	1	51	Weight Bar Sensor Retaining Collar Btm. Half	2
2	Left Front Guide Post	1	52	Sensor Collar Brass Contact Pin	2
3	Front Guide Post Upright Support Plate	4	53	Sensor Collar Brass Contact Pin Spring	2
4	Right Rear Locking Post	1	54	Sensor Collar Set screw M6	2
5	Left Rear Locking Post	1	55	Cable Knuckle Outer Section w/ Contact Plate	2
6	Right Side Base Rail	1	56	Cable Knuckle Center Section	2
7	Left Side Base Rail	1	57	Cable Knuckle Outer Center Section	2
8	Right Upper Frame	1	58	Weight Bar Cable Inner (Short)	2
9	Left Upper Frame	1	59	Weight Bar Cable Outer (Long)	2
10	Back Top Upright Support Plate	2	60	Spot Block Frame 75mm	2
11	Back Top Rail	1	61	Spot Block Locking Pin Bracket	2
12	Front Top Rail	1	62	Spot Block Arm Shaft	2
13	Back Base Rail	1	63	Spot Block Plastic Insert Guide 75 X 63.5 mm	8
14	Bottom Frame Cross Brace	1	64	Spot Block Nylon Side Bracket	4
15	Right Cable Head Slider Frame	1	65	Spot Block Rectangle Locking Spring	4
16	Left Cable Head Slider Frsme	1	66	Side Weight Plate Holder Support Frame	2
17	Cable Head Adjust Handle	2	67	Backing Plate	10
18	Cable Head Adjust Spring	2	68	Lower Weight Plate Holder	4
19	Cable Head Cable Round Ring	2	69	Top Weight Plate Holder	2
20	Cable Head Rubber Grip φ25*150	2	70	Weight Plate Holder Plastic Insert Cap φ48	6
21	Cable Head Rubber Grip φ28*100	2	71	Weight Plate Holder Rubber Donut	6
22	Cable Head Roller bearing	2			
23	Cable Head Adjust Handle Rubber Grip	2	73	Side Weight Stack Cover	2
24	Cable Head Lock Nut	2	74	Deflection Plate	2
25	Cable Head Retaining Pin Snap Ring 25mm	2	75	Inspection Cover	2
26	Cable Head Frame Lock Down Pin	2	76	Electronic Box Locating Board	1
27	Cable Head Handle Plastic Insert Capφ25	2	77	Electronic Box	1
28	Cable Head Handle Plastic Insert Capφ28	2	78	Protective Cover	1
29	Cable Head Link Link Plate	4	79	Power Supply	1
30	Cable Head Adjust Pin	2	80	Slider Cable Knuckle Outer Section	2
31	Cable Swivel Head Pulley Frame	2	81	Slider Cable Knuckle Center Section	2
32	Large Single Groove Pulley φ114	14	82	Slider Cable Knuckle Outer Section	2
33	Small Single Groove Pulley φ89	6	83	Slider Knuckle Retaining Pin	2
34	Big Pulley,double-groove	4	84	Retaining Pin Snap Ring 12mm	4
35	Cable Keeper Tube	4	85	Locking Slider Frame	2
36	Upper Frame Pulley Bushing	16	86	Locking Slider Tube Guide 59.5 x 53mm	4
37	Sensor Weight Bar	1	87	Solenoid	2
38	Weight Bar Olympic Adapter	2	88	Nylon Flat (Shim for Solenoid)	4
39	Weight Bar Spring Clamp	2	89	Solenoid Pin Roll Pin 3 x 12mm	2
40	Weight Bar Shoulder Bolt 1/2"-13	2	90	Solenoid Roll Pin Locking Clip	2
41	Weight Bar Bronze Bushing	2	91	Solenoid Locking Spring	2
42	Weight Bar Plastic Locking Sleeve	2	92	Locking Pall Arm Shaft	2
43	Weight Bar Rotating Bracket	2	93	Locking Arm Shaft Retaining Snap Ring 8mm	4
44	Weight Bar Rotating Bracket Bearing ID25	2	94	Locking Pall Arm	2
45	Weight Bar Rotating Bracket Set screw M8	2	95	Weight Stack Guide Rod Retainer Housing	2
46	Weight Bar Foam Pad	1	96	Top Guide Rod Cup Holder (A)	4
47	Weight Bar Center Rubber Stop	1	97	Bottom Guide Rod Cup Holder (B)	4
48	Weight Bar Rubber Sensor Rod Channel	2	98	Weight Stack	2
49	Weight Bar Sensor Rod	2	99	Weight Stack Selector Pin	2
50	Weight Bar Sensor Retaining Collar Top Half	2	100	Weight Stack Guide Rod	4

Item #	Description	Quan.
101	Side Weight Stack Pulley Bracket	2
102	Side Weight Stack Cable	2
103	Weight Stack Cable Jam Nut 1/2"-13	2
104	Plastic Insert Cap 63.5mm	12
105	Logo Foot End Cap 63.5mm	4
106	Hex Head Screw M12x95mm	54
107	Hex Head Screw M12 x 85mm	4
108	Hex Head Screw M10x60mm	8
109	Hex Head Screw M10x50mm	16
110	Hex Head Screw M10x55mm	4
111	Hex Head Screw M10x25mm	4
112	Hex Head Screw M8 x 80mm	4
113	Hex Head Cap Screw M8x15mm	16
114	Hex Head Screw M6x50mm	4
115	Chamfer Bolt M6x35mm	2
116	Chamfer Bolt M5x35mm	8
117	Chamfer Bolt M5x20mm	8
118	Chamfer Bolt M5x25mm	8
119	Chamfer Bolt M4x10mm	16
120	Phillips Screw M4x8mm	16
121	Screw M4x5mm	2
122	Screw ST2.9x13	4
123	Screw ST2.9x9.5	4
124	Screw ST2.9x6.5	66
125	Phillips Screw M6x20mm	4
126	Phillips Screw M6x10mm	8
127	Phillips Screw M4x10mm	1
128	Nylon Insert Lock Nut M12	60
129	Nylon Insert Lock Nut M10	26
130	Nylon Insert Lock Nut M8	8
131	Nylon Insert Lock Nut M6	6
132	Nylon Insert Lock Nut M5	20
133	Flat Washer 12mm	120
134	Flat Washer 10mm	58
135	Spring Washer φ10mm	4
136	Flat Washer 8mm	24
137	Flat Washer 6mm	12
138	Flat Washer 5mm	4
139	Nylon Washer 5mm	4
140	Flat Washer 4mm	1
141	Spring Washer 4mm	16
142	Base Rail Wire Rubber Grommet	3
143	Base Frame Wire Hamess	2
144	Spiral Cable	2
145	Spot Block Position Decal	2
150	Cable Head Position Decal	2

Item #	Description	Quan.
151	Rear Cover (For Optional Weight Stack)	1
154	Rear Cover Link Plate	2
156	Cable Pull Handle	2
157	Snap Link	4
158	Round Link Ring	2
159	Hex Key Wrench Size 3mm	1
160	Hex Key Wrench Size 4mm	1
161	Hex Key Wrench Size 6mm	1
162	Hex Key Wrench Size 9/16"	1
163	Hex Key Wrench Size 3/16"	1
164	Lubricating oil	1
165	Zip Tie	14
166	Lacquer Touch Up Paint	2

## Trouble-Shooting

### How the Patented ProSpot System works:

Starting from the Computer Brain, a signal is sent from the left & right side, thru the L & R Grey Base Frame Wire Harness (white lead), to the Spiral Cord Harness (brown lead), to the Slider Block Cable Knuckle connector, to inside Barbell Cable to the Sensor on the Barbell. When skin contacts is made with Barbell Sensors, the signals return to the Computer Brain, at which a 12-volt charge is sent via the wire harness's (red & black leads), to the solenoids, to release the spring loaded Slider Block Locking Pins when the Barbell is lifted, allowing the Barbell to move up and down. When skin contact with Barbell Sensor is broken by either hand, the Computer Brain reads this and stops the 12-volt charge to the solenoids, at which time, the spring loaded Locking Pins instantaneously engages the hole on the Guide Post and locks the Barbell from any downward movement.

### Trouble Shooting of ProSpot Systems

**ALWAYS REMEMBER: After performing any service on the unit, RESET the Computer on your ProSpot system before using it. Just unplug the power supply Electronic Box, wait 30 seconds and plug back in. Resetting the Computer allows it to recalibrate and work to its greatest efficiency.**

Electrical Service Inspection Checklist:

1. Check for proper functioning of wall receptacle. (Test plug for power)
  - a. If bad, find new AC power supply.
2. Check wall transformer connection to Electronic Box. Should not be bent or loose.
  - a. If bad, replace Electronic Box.
3. Check for green flashing light, the indication power to Electronic Box.
  - a. If no green light, test 12V Wall Adapter for 12-17 volts output.
4. Inspect white connectors from Gray Base Frame Wire Harness connection on Electronic Box for loose wires.
  - a. If loose, plug in tight.
  - b. If broken, replace Gray Base Frame Wire Harness.
5. Inspect Gray Base Frame Wire Harness for possible pinching in frame during assembly.
  - a. Replace Gray Base Frame Wire Harness if damaged or defective.
6. Inspect Gray Base Frame Wire Harness connection to Spiral Cord Harness.
  - a. If loose, plug in tight.
  - b. If broken, replace Gray Base Frame Wire Harness or Spiral Cord Harness.
7. Inspect Spiral Cord connection to Solenoids, Red and Black.
  - a. If loose, plug in tight.
  - b. If broken, replace Spiral Cord Harness.
8. Inspect Spiral Cord Brown Lead Sensor Cable Knuckle plug.
  - a. If loose, plug in tight.
  - b. If broken, replace Spiral Cord Harness.
9. Check contact of Sensor Collar Brass Pin with Cable Knuckle plate.

- a. If no contact, adjust Sensor Collar closer. (See Weight Bar / Cable-Knuckle Assembly Diagram)

## Trouble Shooting (con't)

**Symptom:** Sensor Weight Bar will not unlock.

- Solution:**
1. Remove #10 Inspection covers on both sides to gain access to #93 Spiral cord wire Harness.
  2. Unplug Brown Sensor plugs and hold one in each hand at the same time.
  3. If sensor triggers (red light on box) then, Wire Harness is good.
    - a. Now perform adjustments shown on Weight Bar / Cable-Knuckle Assembly Diagram.
  4. If sensor fails to trigger (no red light) then:
    - a. Re-check Wire Harness with Meter (Continuity test) for defect wire and replace.

**Symptom:** Sensor Weight Bar locks prematurely during work out.

- Solution:**
1. Perform Adjustments shown on Weight Bar / Cable-Knuckle Assembly Diagram.
  2. Check Wire Harness for defective wire. (Continuity test)

**Symptom:** One side of system will not unlock.

- Solution:**
1. Check Double Cable Pulleys for free movement.
  2. Check Solenoid connections. (Red and Black wires)
  3. Check free movement of Locking Pin. (Manually pull down Pin)
  4. Trigger Sensor and test for 10-12 volts at Solenoid connection.
    - a. If 10-12 volts the replace Solenoid.
    - b. If no voltage, then check Wire Harness for defective wire. (Continuity test)
    - c. If Wire Harness is good the replace Electronic Box.

**Symptom:** Sensor Rod on Weight bar keeps popping up.

- Solution:**
1. Remove Sensor Collar and Sensor Rod.
  2. Straighten any bends. (If too bent up, replace.)
  3. Before reinstalling, bend angle in Sensor Rod slightly downward, so that there is tension to Rod to seat it.
  4. Adjust Sensor Collar. (See Weight Bar / Cable-Knuckle Assembly Diagram, Step #1)

# Warranty & Contact Information

Each **PROSPOTfitness**® Product comes with a limited parts replacement warranty. Please refer to the actual warranty card included with your system for specific coverage.

**Remember:** To activate your Warranty, fill out and fax or mail to us your Product Warranty Registration Card along with a copy of your sales receipt (proof of purchase) if your dealer has not done this at time of purchase.

If you have any questions about performance under this limited warranty, please write us at:

**PROSPOTfitness, Inc.**  
**Attn: Warranty Service**  
**1325 Oakbrook Drive, Suite E**  
**Norcross, GA 30093**

**Office (770) 446-9299**  
**Fax (770)-446-7213**

## Contacting ProSpot Fitness Technical Support:

Our Service Department can be reached M-F 9-5 pm EST.

Or e-mail us: [support@prospotfitness.com](mailto:support@prospotfitness.com)

If ordering replacement parts, please refer to the Owners Manual for part numbers and description.

Note: Owners Manuals & Warranty Registration cards can be down loaded from our web site.

*For more information please refer to our Website at: [www.prospotfitness.com](http://www.prospotfitness.com)*

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