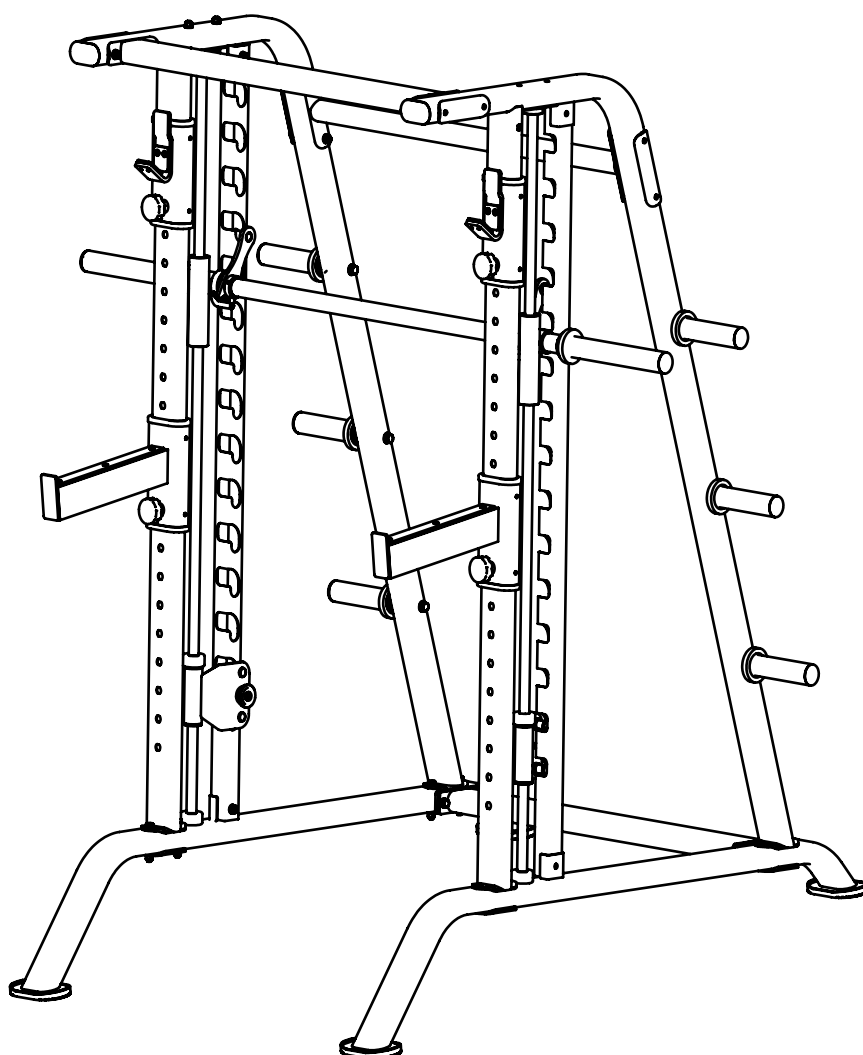


**DR001**

SMITH

# OWNER'S MANUAL



**! CAUTION**

Read all precautions  
and instructions in this manual  
before using this equipment

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## Important Safety Instructions

Before beginning any fitness program, you should obtain a complete physical examination from your physician. When using exercise equipment, basic precautions should always be taken, including the following:

- \* Read all instructions before using the equipment. These instructions are written to ensure your safety and to protect the unit.
- \* Do not allow children on or near the equipment.
- \* Use the equipment only for its intended purpose as described in this guide. Do not use accessory attachments that are not recommended by the manufacturer: such attachments might cause injuries.
- \* Wear proper exercise clothing and shoes for your workout----no loose clothing.
- \* Be careful when getting on or off the equipment.
- \* Do not overexert yourself or work to exhaustion.
- \* If you feel any pain or abnormal symptoms, stop your workout immediately and consult your physician.
- \* Never operate the unit when it has been dropped or damaged.
- \* Never drop or insert anything into any opening in the equipment.
- \* Always check the unit and its cables before each use. Make sure that all fasteners and cables are secure and in good working condition.
- \* Frayed or worn cables can be dangerous and may cause injury. Periodically check these cables for any indication of wear.
- \* Keep hands, limbs, loose clothing and long hair well out of the way of moving parts.
- \* Do not attempt to lift more weight than you can control safely.
- \* Do not use the equipment outdoors.

### Personal Safety During Assembly

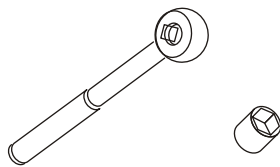
- \* Read each step in the assembly instructions and follow the steps in sequence. Do not skip ahead. If you skip ahead, you may learn later that you have to disassemble components and that you may have damaged the equipment.
- \* Assemble and operate the equipment on a solid, level surface. Locate the unit a few feet from walls or furniture to provide easy access. The equipment is designed for your enjoyment. By following these precautions and using common sense, you will have many safe and pleasurable hours of healthful exercise with the equipment.

## Instructions

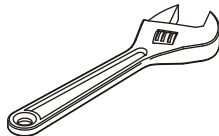
Before beginning assembly please take the time to read instructions thoroughly. Please use the various lists in this manual to make sure that all parts have been included in your shipment. When ordering, use part number and description from the lists. Use only our replacement part when servicing. Failure to do so will void your warranty and could result in personal injury.

The equipment is designed to provide the smoothest, most effective exercise motion possible. After assembly, you should check all functions to ensure correct operation. If you experience problems, first recheck the assembly instructions to locate any possible errors made during assembly. If you are unable to correct the problem, call your authorized dealer. Be sure to have your serial number and this manual when calling. When all parts have been accounted for, continue on.

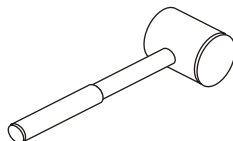
## Tools Required



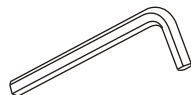
Ratchet Wrench and Socket



Adjustable Wrench



Rubber Mallet



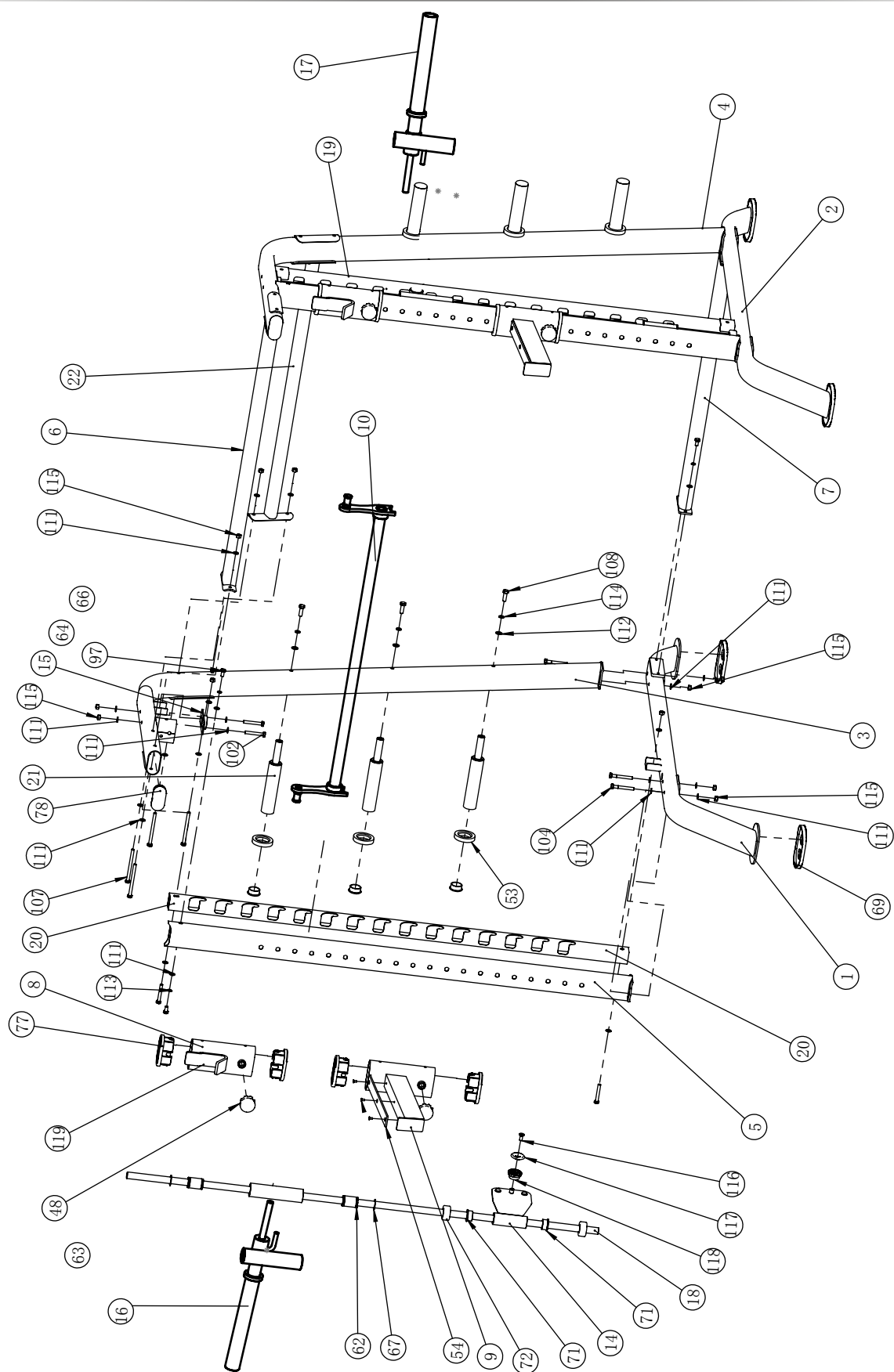
Hex Key Wrench Set

## Parts List

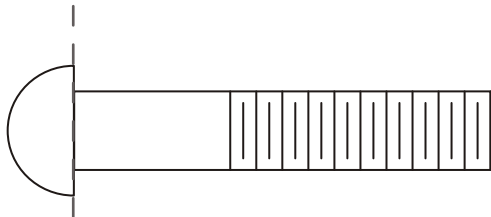
**NOTE: SOME OF THESE PARTS MAY COME PRE INSTALLED**

| Item NO. | Description                                                        | Qty | Item NO. | Description                                      | Qty |
|----------|--------------------------------------------------------------------|-----|----------|--------------------------------------------------|-----|
| 1        | BOTTOM SIDE FRAME LT                                               | 1   | 66       | ROLL PIN $\phi 6 \times 14$                      | 4   |
| 2        | BOTTOM SIDE FRAME RT                                               | 1   | 67       | INTERNAL RETAINING RING $\phi 40$                | 4   |
| 3        | REAR SIDE SUPPORT LT                                               | 1   | 69       | FOOT COVER                                       | 4   |
| 4        | REAR SIDE SUPPORT RT                                               | 1   | 71       | NYLON BUSHING                                    | 4   |
| 5        | NICKEL FRONT UPRIGHT                                               | 2   | 73       | RUBBER WASHER $\phi 55 \times \phi 25 \times 26$ | 4   |
| 6        | CROSS BRACE UP                                                     | 1   | 77       | PLASTIC TUBE GUIDE                               | 8   |
| 7        | CROSS BRACE LO                                                     | 1   | 78       | PLUG RT $50 \times 100$                          | 2   |
| 8        | BAR HOLDER                                                         | 2   | 97       | HEX HEAD BOLT M10 $\times 20$                    | 8   |
| 9        | SIDE BAR SAFETY SPOTTER                                            | 2   | 102      | HEX HEAD BOLT M10 $\times 70$                    | 8   |
| 10       | WEIGHT LIFT BAR                                                    | 1   | 104      | HEX BOLT M10 $\times 80$                         | 8   |
| 14       | SAFETY SPOTTER BRACKET                                             | 2   | 107      | HEX HEAD BOLT M10 $\times 130$                   | 8   |
| 15       | SHAFT RETAINER PLATE                                               | 2   | 108      | HEX HEAD BOLT M12 $\times 35$                    | 6   |
| 16       | PRESS BAR HOUSING LT                                               | 1   | 111      | FLAT WASHER $\phi 20 \times \phi 11 \times 2$    | 56  |
| 17       | PRESS BAR HOUSING RT                                               | 1   | 112      | FLAT WASHER $\phi 24 \times \phi 13 \times 2$    | 6   |
| 18       | LINEAR SHAFT                                                       | 2   | 113      | SPRING WASHER M10                                | 8   |
| 19       | CONTROL TUBE LT                                                    | 1   | 114      | SPRING WASHER M12                                | 6   |
| 20       | CONTROL TUBE RT                                                    | 1   | 115      | NYLON LOCK NUT M10                               | 24  |
| 21       | OLYMPIC ADAPTER                                                    | 6   | 116      | FLAT HEAD CAP SCREW M10 $\times 25$              | 2   |
| 22       | BACK CROSS BRACE UP                                                | 1   | 117      | PLASTIC HEAD COVE $\phi 25$                      | 2   |
| 48       | POP PIN (LOCKING)                                                  | 4   | 118      | PLASTIC HEAD SEAT $\phi 25$                      | 2   |
| 52       | PLUG $\phi 48$                                                     | 8   | 119      | RUBBER CUSHION                                   | 2   |
| 53       | RUBBER WASHER $\phi 78 \times \phi 47.5 \times 15$                 | 8   | 120      | FLAT HEAD CAP SCREW                              | 6   |
| 54       | SAFETY SPOTTER PLASTIC STRIP                                       | 2   |          |                                                  |     |
| 62       | LINEAR BEARING $\phi 25$                                           | 4   |          |                                                  |     |
| 63       | BRONZE BUSHING $\phi 25.4 \times \phi 19 \times 20$                | 2   |          |                                                  |     |
| 64       | BRONZE BUSHING $\phi 31 \times \phi 25.4 \times \phi 19 \times 20$ | 2   |          |                                                  |     |

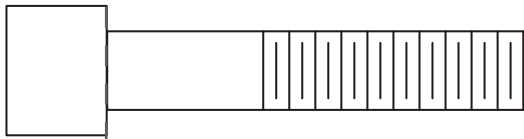
# Exploded View



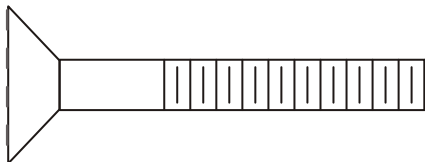
## Measurement Guide



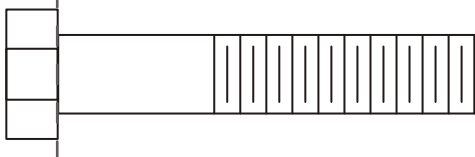
BHCS = Button Head Cap Screw



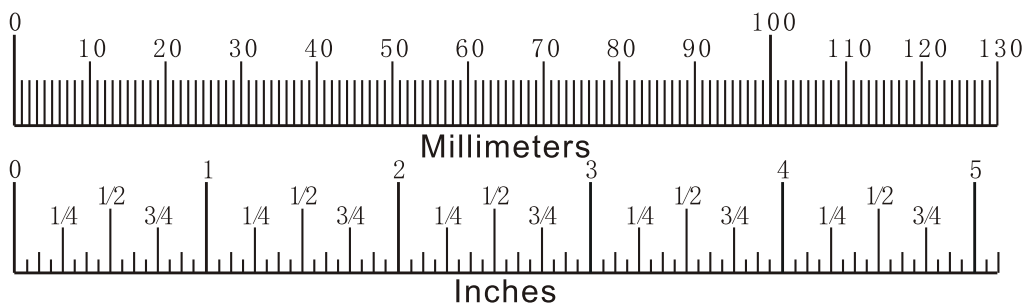
SHCS = Socket Head Cap Screw



FHCS = Flat Head Cap Screw



HHB = Hex Head Bolt



## Assembly Instructions

Assembly of the equipment takes professional installers about 2 hours. If this is the first time you have assembled this type of equipment, plan to spend more time. It is strongly recommended to assemble the equipment by professional installers. You may find it quicker, safer, easier to assemble this equipment with the help of a friend, as some of components may be large, heavy or awkward to handle alone. It is important that you assemble your product in a clean, clear, uncluttered area. This will enable you to move around the product while you are fitting components and reduce the possibility of injury during assembly.



### **Note**

As with any assembled part, proper alignment and adjustment is critical. While tightening the fasteners, be sure to leave room for adjustments. Do not fully tighten the fasteners until instructed to do so. Be careful to assemble the components in the sequence presented in this guide.

### **Specifications**

Maximum Wt. Capacity: 400Kg/880lbs.

Maximum Load of Trainer: 150Kg/ 330lbs.

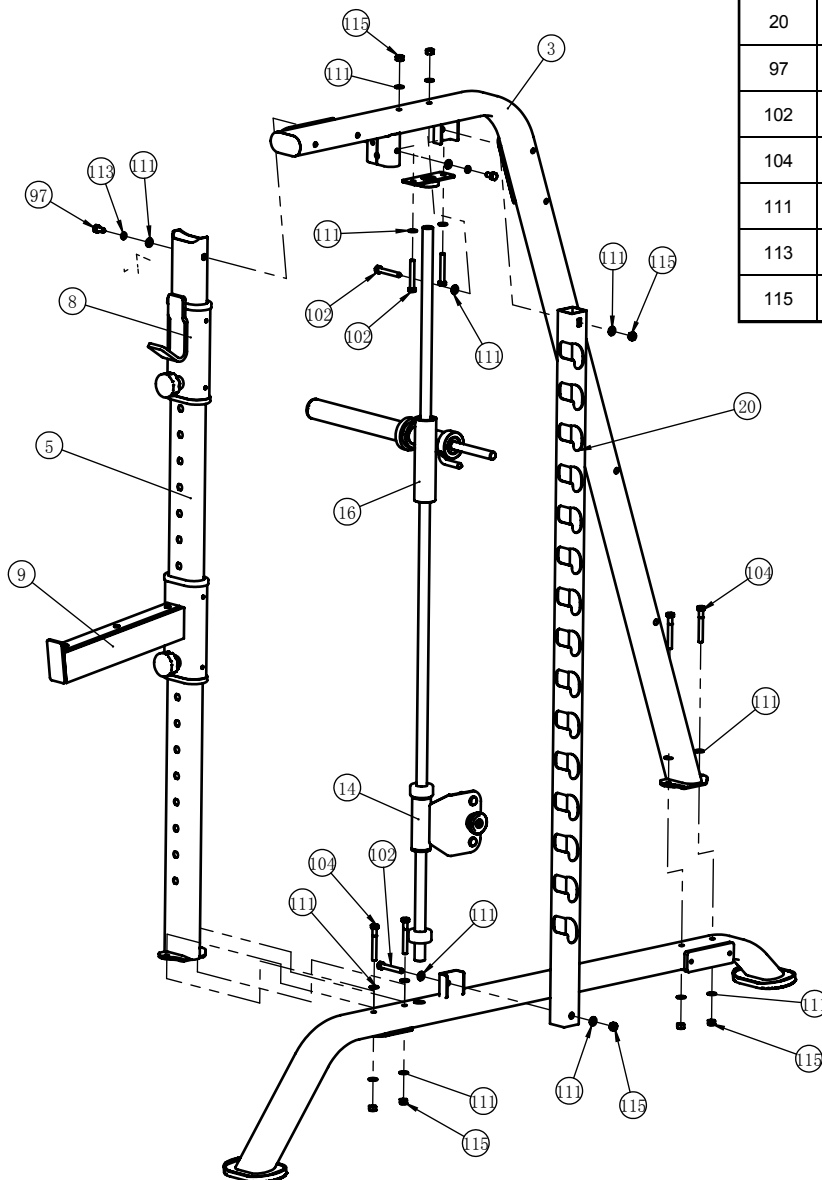


# Assembly

## STEP 1 | USER FRAME INSTRUCTIONS & NOTES ( LT FRAME & RT FRAME )

**Note: the linear bearing should be concentric with the guide rod to prevent damage to the linear bearing**

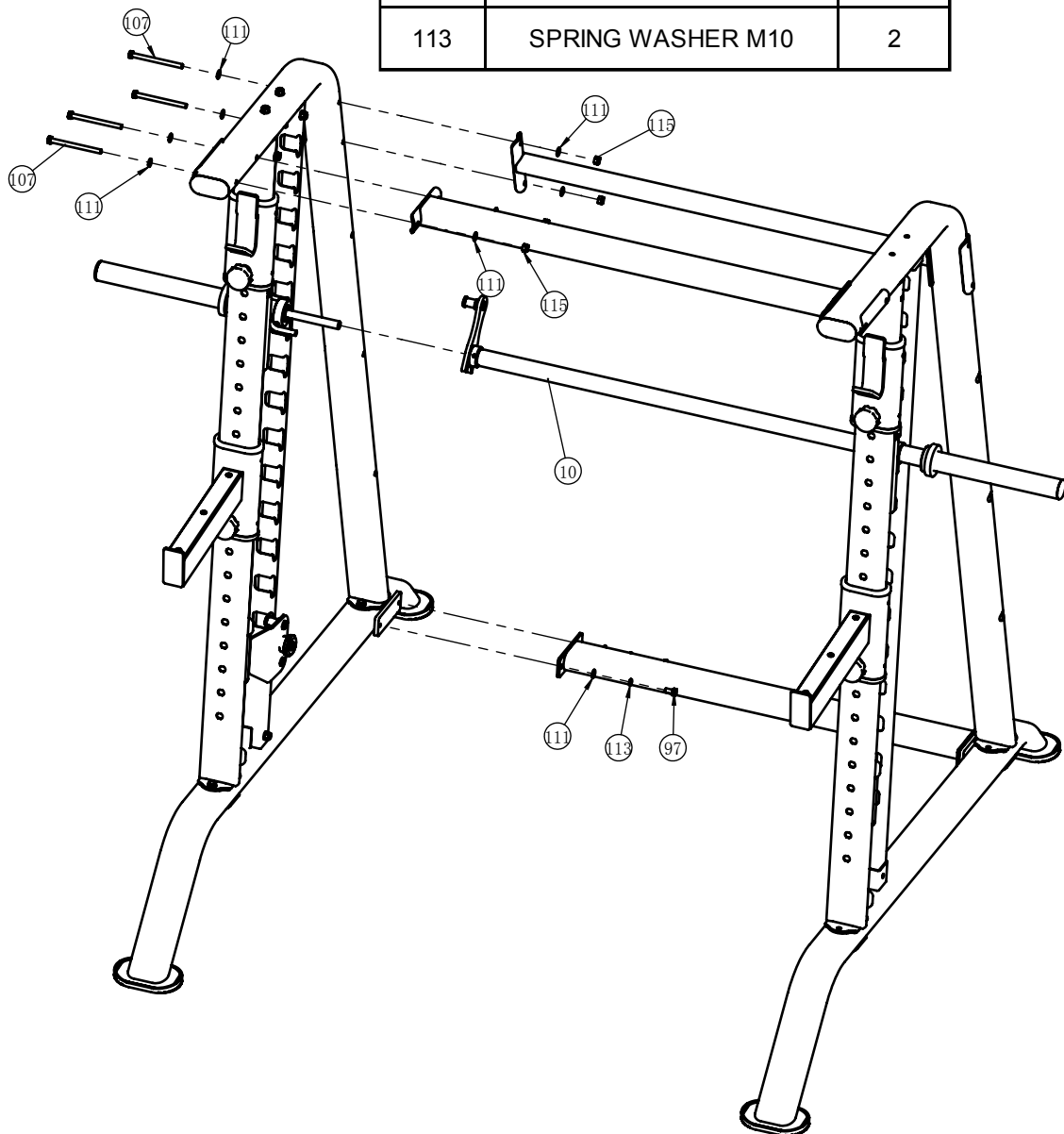
| Item NO. | Description                                   | Qty |
|----------|-----------------------------------------------|-----|
| 3        | REAR SIDE SUPPORT LT                          | 1   |
| 5        | NICKEL FRONT UPRIGHT                          | 1   |
| 8        | BAR HOLDER                                    | 1   |
| 9        | SIDE BAR SAFETY SPOTTER                       | 1   |
| 14       | SAFETY SPOTTER BRACKET                        | 1   |
| 16       | PRESS BAR HOUSING LT                          | 1   |
| 20       | CONTROL TUBE RT                               | 1   |
| 97       | HEX HEAD BOLT M10*20                          | 2   |
| 102      | HEX HEAD BOLT M10*70                          | 4   |
| 104      | HEX BOLT M10*80                               | 2   |
| 111      | FLAT WASHER $\phi 20 \times \phi 11 \times 2$ | 16  |
| 113      | SPRING WASHER M10                             | 2   |
| 115      | NYLON LOCK NUT M10                            | 8   |



# Assembly

## STEP 2 | USER FRAME INSTRUCTIONS & NOTES

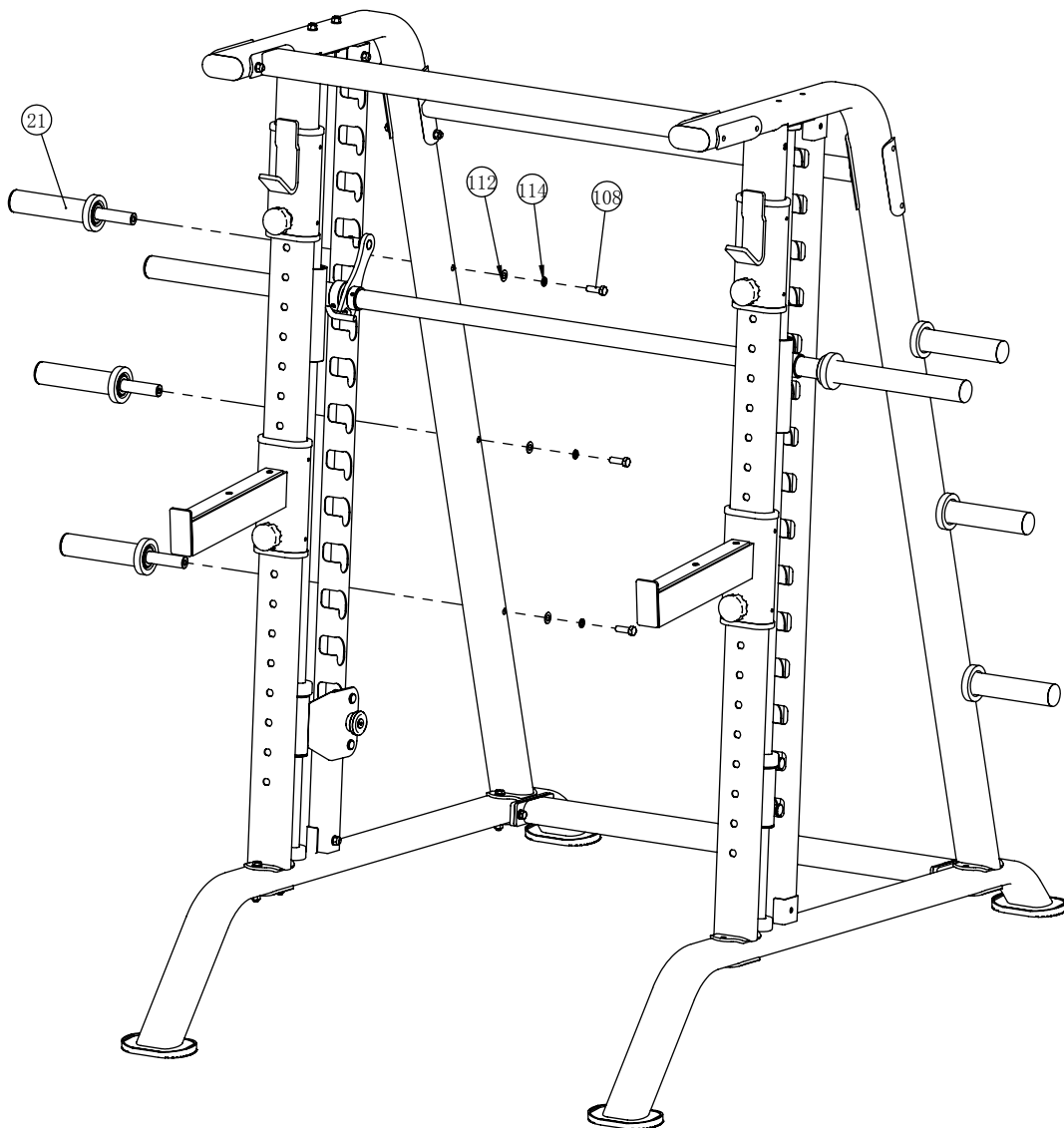
| Item NO. | Description                                   | Qty |
|----------|-----------------------------------------------|-----|
| 10       | WEIGHT LIFT BAR                               | 1   |
| 97       | HEX HEAD BOLT M10*20                          | 2   |
| 107      | HEX HEAD BOLT M10*130                         | 4   |
| 111      | FLAT WASHER $\phi 20 \times \phi 11 \times 2$ | 10  |
| 112      | FLAT WASHER $\phi 24 \times \phi 13 \times 2$ | 4   |
| 113      | SPRING WASHER M10                             | 2   |



## Assembly

### STEP 3 | USER FRAME INSTRUCTIONS & NOTES

| Item NO. | Description                                   | Qty |
|----------|-----------------------------------------------|-----|
| 21       | OLYMPIC ADAPTER                               | 3   |
| 108      | HEX HEAD BOLT M12*35                          | 3   |
| 112      | FLAT WASHER $\phi 24 \times \phi 13 \times 2$ | 3   |
| 114      | SPRING WASHER M12                             | 3   |



## Maintenance Schedule

| ROUTINE                                                                              | COMMERCIAL<br>MAINTENANCE | HOME<br>MAINTENANCE | LATEST DATE ENTRY |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------|---------------------------|---------------------|-------------------|--|--|--|--|--|--|--|
|                                                                                      |                           |                     |                   |  |  |  |  |  |  |  |
| Inspect;<br>Links, Pull Pins, Snap Locks,<br>Swivels, Weight Stack Pins              | DAILY                     | WEEKLY              |                   |  |  |  |  |  |  |  |
| Clean;<br>Upholstery                                                                 | DAILY                     | WEEKLY              |                   |  |  |  |  |  |  |  |
| Inspect;<br>Cables or Belts and their tension                                        | DAILY                     | WEEKLY              |                   |  |  |  |  |  |  |  |
| Inspect;<br>Accessory Bars, and Handles                                              | WEEKLY                    | 3 MONTHS            |                   |  |  |  |  |  |  |  |
| Inspect;<br>All Decals                                                               | WEEKLY                    | 3 MONTHS            |                   |  |  |  |  |  |  |  |
| Inspect;<br>All Nuts and Bolts, Tighten if<br>needed                                 | WEEKLY                    | 3 MONTHS            |                   |  |  |  |  |  |  |  |
| Inspect;<br>Anti-Skid Surface                                                        | WEEKLY                    | 3 MONTHS            |                   |  |  |  |  |  |  |  |
| Clean & Lubricate;<br>Guide Rods with a Teflon (PTFE)<br>based lubricant (Superlube) | MONTHLY                   | 3 MONTHS            |                   |  |  |  |  |  |  |  |
| Lubricate;<br>Seat Sleeves, Turcite Bushings,<br>Linear Bearing                      | MONTHLY                   | 3 MONTHS            |                   |  |  |  |  |  |  |  |
| Clean and Wax;<br>All Glossy Finishes                                                | 6 MONTHS                  | YEARLY              |                   |  |  |  |  |  |  |  |
| Repack with Grease;<br>Linear Bearings                                               | 6 MONTHS                  | YEARLY              |                   |  |  |  |  |  |  |  |
| Replace;<br>Cables, Belts and Connecting<br>Parts                                    | YEARLY                    | 3 YEARS             |                   |  |  |  |  |  |  |  |

*Your equipment comes with a commercial maintenance decal. For personal, in home use, please follow the home maintenance schedule listed above.*

## General Maintenance Information

### **Links, Pull-Pins, Snap Hooks, Swivels, Weight Stack Pins:**

- \*Check all pieces for signs of visible wear or damage.
- \*Check springs in snap hooks and pull-pins for proper tension and alignment.
- \*If the spring sticks or has lost its rigidity, replace it immediately.

### **Upholstery:**

- \*To ensure prolonged upholstery life and proper hygiene, all upholstered pads should be wiped down with a damp cloth after every workout.
- \*Periodically take the time to use a mild soap or an approved vinyl upholstery cleaner to deter the onset of cracking or drying. Avoid using any abrasive cleaners or cleaners not intended for use on vinyl.
- \*Replace ripped or worn upholstery immediately.
- \*Keep sharp or pointed objects clear of all upholstery.

### **Decals:**

- \*Inspect and familiarize yourself with any safety warnings or other user information posted on each decal.

### **Nuts and Bolts:**

- \*Inspect all nuts and bolts for any loosening and tighten if needed.
- \*Go through a re-tightening sequence periodically to ensure that all hardware is tensioned proper.

### **Anti-Skid Surfaces:**

- \*These surfaces are designed to supply secure footing and need to be replaced if they appear worn or become slippery.

### **Belts and Cables:**

- \*We use only high quality belt, and mil-spec cables.
- \*Visually inspect the belts and cables for fraying, cracking, peeling or discoloration.
- \*While the machine is not in use, carefully run your fingers along the belt or cable to feel for thinning or bulging areas.
- \*Replace belts and cables immediately at the first signs of damage or wear. Do not use equipment until belts or cables have been replaced.

### **Belt and Cable Tension:**

- \*Referring to the Owners Manual, when belts or cables are used check all bolt attachments to be sure they are properly attached.
- \*Check slack in cables and re-adjust cable tension if needed.

### **Seat Sleeves, Guide Rods:**

- \*Wipe down adjusting tubes with a dust free rag before applying lubricant.
- \*Lubricate seat sleeves and Guide Rods with a Silicon or Teflon based lubricant spray.

### **Linear Bearings:**

- \*Referring to the Owners Manual carefully disassemble the bearing from its housing and place a finger full of light grease (lithium, super lube, etc.) into the inside of the bearing. Using your finger, press the grease into the ball-bearings and their tracks. Repeat until the ball-bearing tracks are full of grease. Insert the shaft back into the bearing and wipe off excess grease.

**PLEASE KEEP THIS FOR YOUR RECORDS**

## Weight Training Tips

Use this manual to guide you through the basic exercises you can perform on your equipment. To gain maximum results and avoid possible injury, consult a fitness professional to develop your complete exercise program.

Always consult your physician before starting any exercise program.

To be successful in your exercise program, it is important to develop an understanding of the basic principles of strength training. Now that you have your equipment, it is only natural that you want to get started immediately. First, determine a set of realistic goals and objectives for yourself. By deciding on an exercise plan that is right for you prior to starting, you will contribute significantly to your success.

Warm up properly before engaging in weight resistance training. Stretching, yoga, jogging, calisthenics or other cardiovascular exercise can help prepare your body for the heavier workload of lifting weights.

Learn how to perform the exercise correctly before using heavy weight. Correct form is important to avoid injury and to ensure that you work the proper muscle groups.

Know your limitations. If you are new to weight training or are embarking on an exercise regimen after a long layoff, start slowly and build foundational strength over a longer period of time.

Pay attention to your breathing. Exhale when you exert is a general rule of thumb. Never hold your breath.