HUDSON STEEL

Leg Press/Hack Squat Machine

OWNER'S MANUAL

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Read all precautions
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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

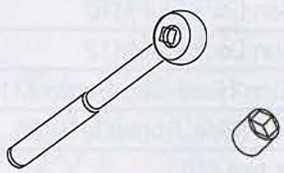
* Read each step in the assembly instructions and follow the steps in sequence. Do not skip ahead. If you skip ahead, you may learn later that you have to disassemble components and that you may have damaged the equipment.
* Assemble and operate the equipment on a solid, level surface. Locate the unit 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

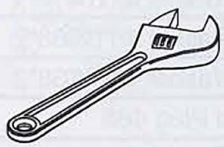
Before beginning assembly please take the time to read instructions thoroughly. Please use the various lists in this manual to make sure that all parts have been included in your shipment. When ordering, use part number and description from the lists. Use only our replacement part when servicing. Failure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

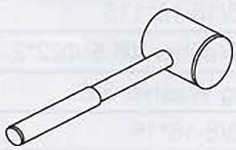
Tools Required



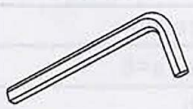
Ratchet Wrench and Socket



Adjustable Wrench



Rubber Mallet



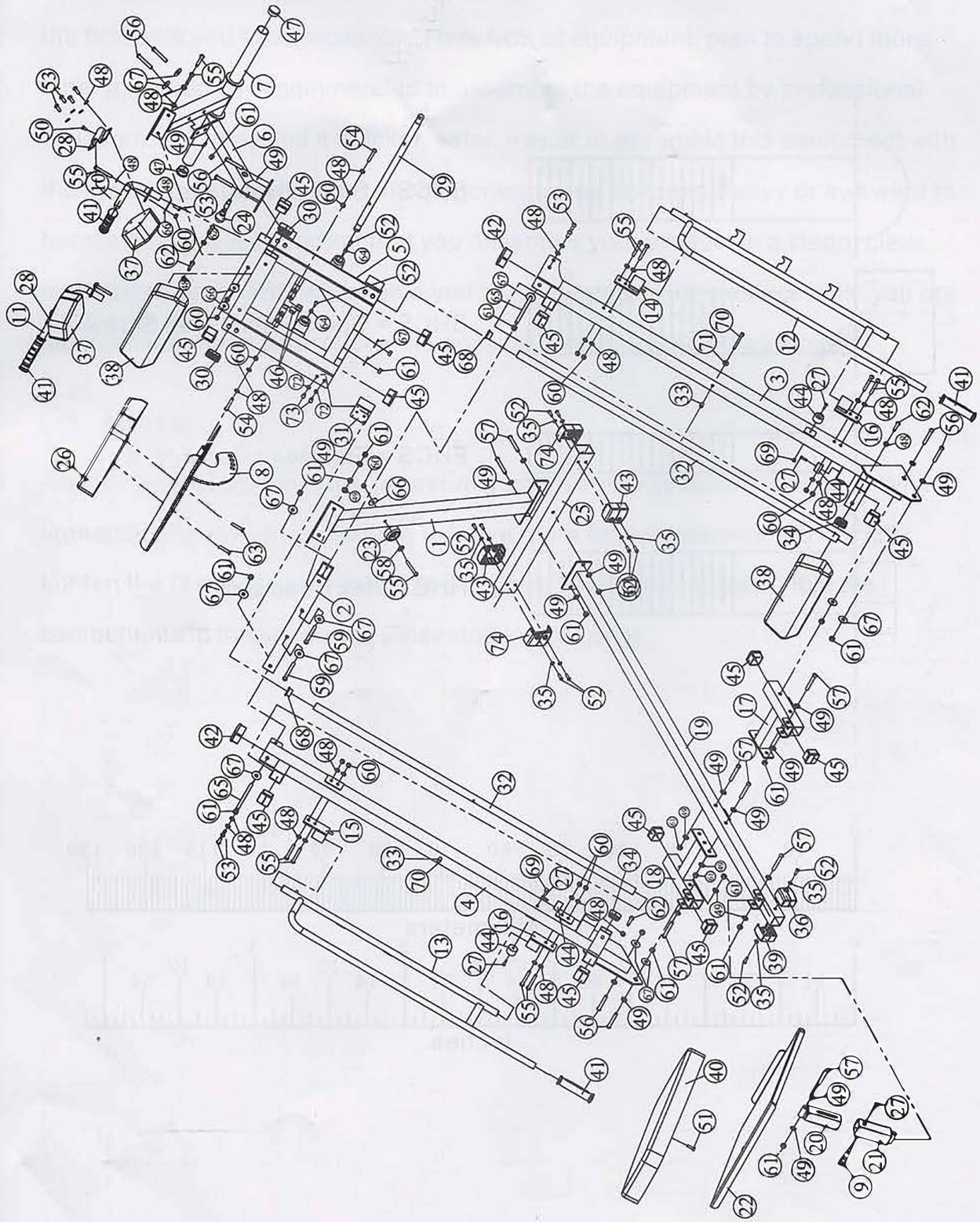
Hex Key Wrench Set

Parts List

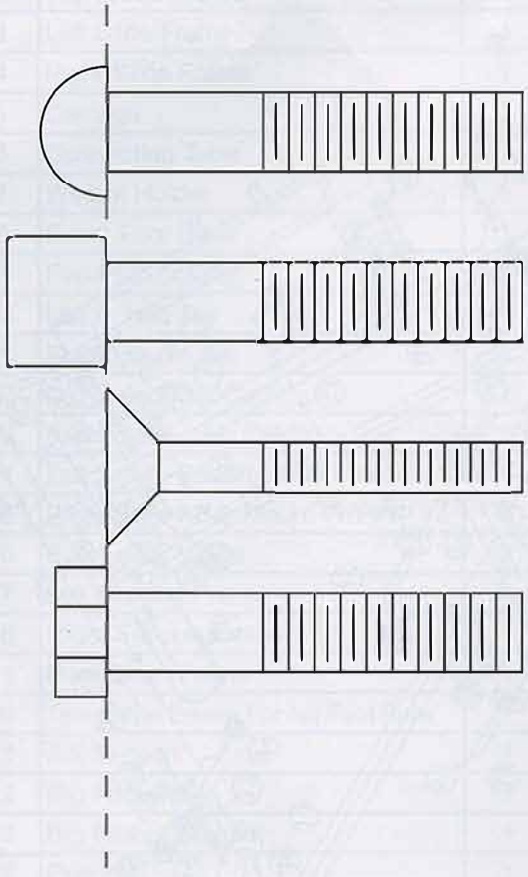
NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

Item No.	Description	Qty	Item No.	Description	Qty
1	Rear Upright	1	40	Big Back Pad	1
2	Top Cross Frame	1	41	Grip	4
3	Left Slide Frame	1	42	Plug □50.8*76.2	2
4	Right Slide Frame	1	43	Right Foot Cap □50.8*76.2	2
5	Carriage	1	44	Small Bumper	4
6	Connecting Tube	1	45	Plug □50.8	13
7	Weight Holder	1	46	Plug □25	2
8	Small Foot Plate	1	47	Round Plug Φ48	2
9	Pop Pin(Locking)	1	48	Flat Washer Φ11*Φ20*2	42
10	Left Handle Bar	1	49	Flat Washer Φ13*Φ24*1.5	25
11	Right Handle Bar	1	50	Slotted Set Screw M8*12	2
12	Left Safety Bar Catch	1	51	Slotted Set Screw M8*25	1
13	Right Safety Bar Catch	1	52	Button Head Cap Screw M8*25	12
14	Left Safety Bar Mount W/Pin	1	53	Button Head Cap Screw M10*25	14
15	Right Safety Bar Mount W/Pin	1	54	Button Head Cap Screw M10*60	2
16	Safety Bar Mount	2	55	Button Head Cap Screw M10*75	13
17	Left Support Frame	1	56	Button Head Cap Screw M12*75	8
18	Right Support Frame	1	57	Button Head Cap Screw M12*80	8
19	Main Base Frame	1	58	Steel Bumper Washer	1
20	Telescope Frame For Adj Foot Plate	1	59	Button Head Cap Screw M12*125	2
21	Adj Support	1	60	Nylon Lock Nut M10	15
22	Big Foot Plate	1	61	Nylon Lock Nut M12	21
23	Big Rrbber Bumper	1	62	Button Head Cap Screw M10*55	4
24	Pop Pin	1	63	Flat Philips Screw M10*55	2
25	Rear Base Frame	1	64	Hex Nut M8	2
26	Small Back Pad	1	65	Shaft Bolt M12*204	2
27	Button Head Philips Screw M6*25	5	66	Flat Washer Φ11*Φ38*2	5
28	Shoulder Conneactor	2	67	Flat Washer Φ13*Φ38*2	14
29	Stop Beam	1	68	Round Plug Φ38	2
30	Plug □30*60	2	69	Hole Cover Φ10	2
31	Aluminium Pillow Block Bearing	4	70	Bolt 5/16-18*115	2
32	Linear Shaft	2	71	Flat Washer Φ8.5*Φ22*2	2
33	Space	2	72	Spring Washer 3/8	8
34	Plug □25*50	2	73	Bolt 3/8-16*16	8
35	Flat Washer Φ9*Φ16*1.6	10	74	Left Foot Cap □50.8*76.2	2
36	Left Foot Cap □50.8	1	75	Flat Wrench	1
37	Shoulder Pad	2	76	Hex Key s=6	1
38	Seat Pad	2	77	Wrench	1
39	Right Foot Cap □50.8	1			

Exploded View



Measurement Guide

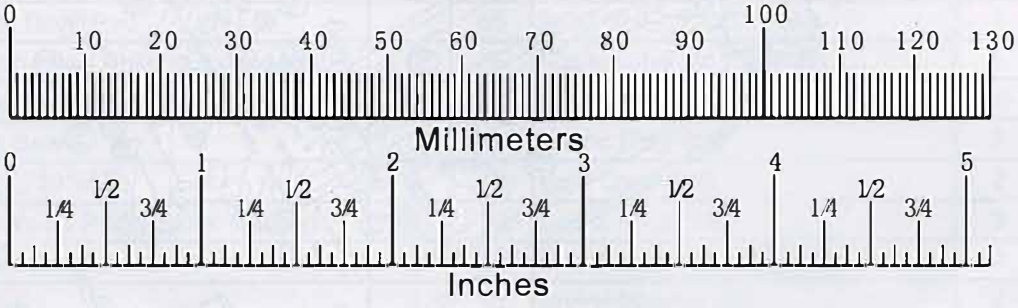


BHCS = Button Head Cap Screw

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.

Assembly

Step 1

1. Connect Left and Right Support Frames (#17,#18) to main Base Frame (#19) using:

   two M12*80 BHCS (#57)
   fourΦ13*Φ24*1.5 Washer (#49)
   two M12 Nylon Lock Nut (#61)

2. Attach Rear Base Frame (#25) and Upright Frame (#1) to Main Base Frame (#19) using:

   two M12*80 BHCS (#57)
   fourΦ13*Φ24*1.5 Washer (#49)
   two M12 Nylon Lock Nut (#61)

3. Attach Left and Right Slide Frames (#3,#4) to Left and Right Support Frames (#17,#18) using:

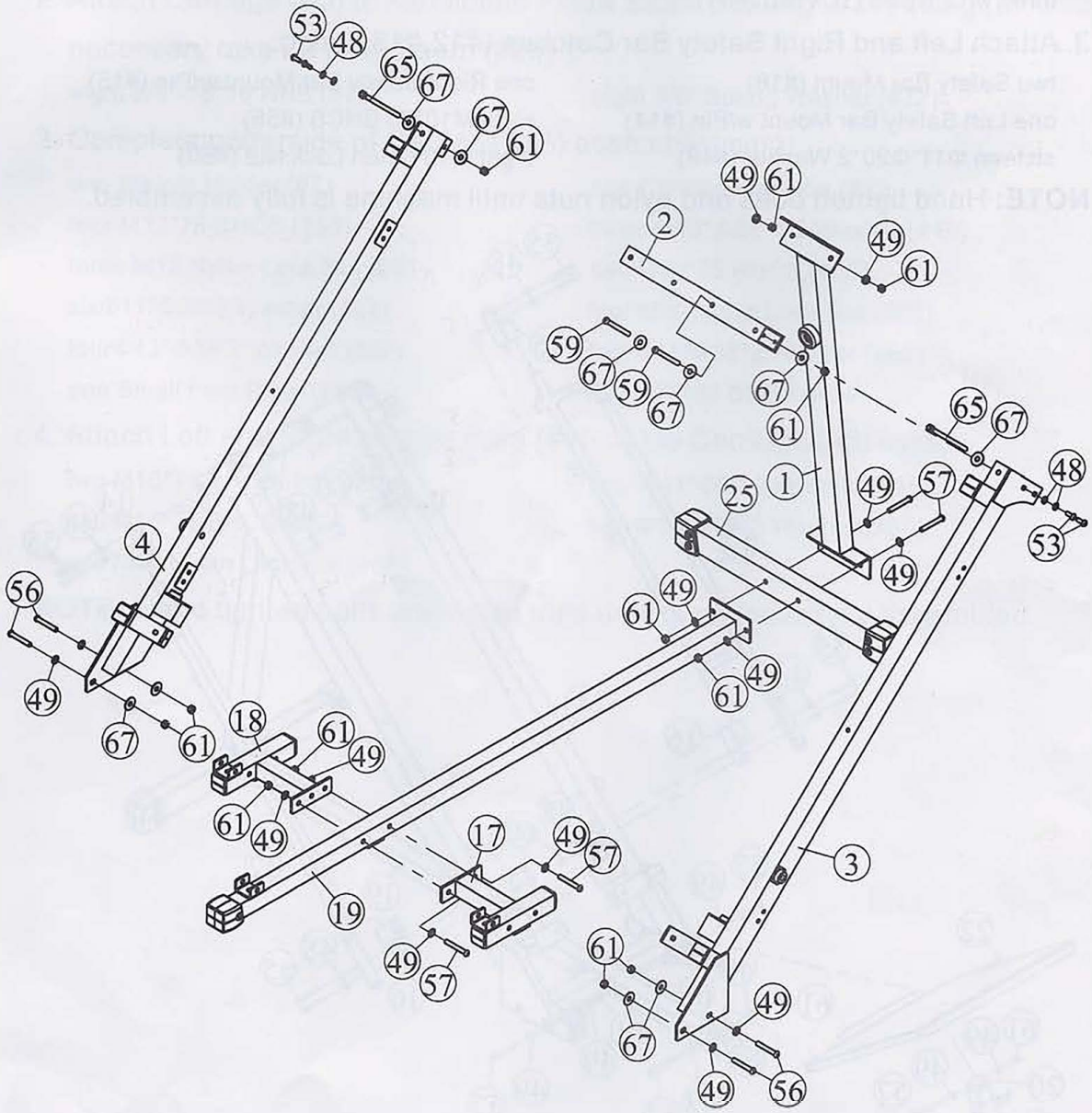
   four M12*75 BHCS (#56)
   fourΦ13*Φ24*1.5 Washer (#49)
   fourΦ13*Φ38*2 Washer (#67)
   four M12 Nylon Lock Nut (#61)

4. Secure Top Cross Frame (#2) to Left and Right Slide Frames (#3,#4) and Upright Frame (#1) using:

   two M12*125 BHCS (#59)
   twoΦ13*Φ24*1.5 Washer (#49)
   six M12 Nylon Lock Nut (#61)
   two M12*204 Shaft Blot (#65)
   six Φ13*Φ38*2 Washer (#67)
   four M10*25 BHCS (#53)
   fourΦ11*Φ20*2 Washer (#48)

NOTE: Hand tighten bolts and nylon nuts until machine is fully assembled.

Step 1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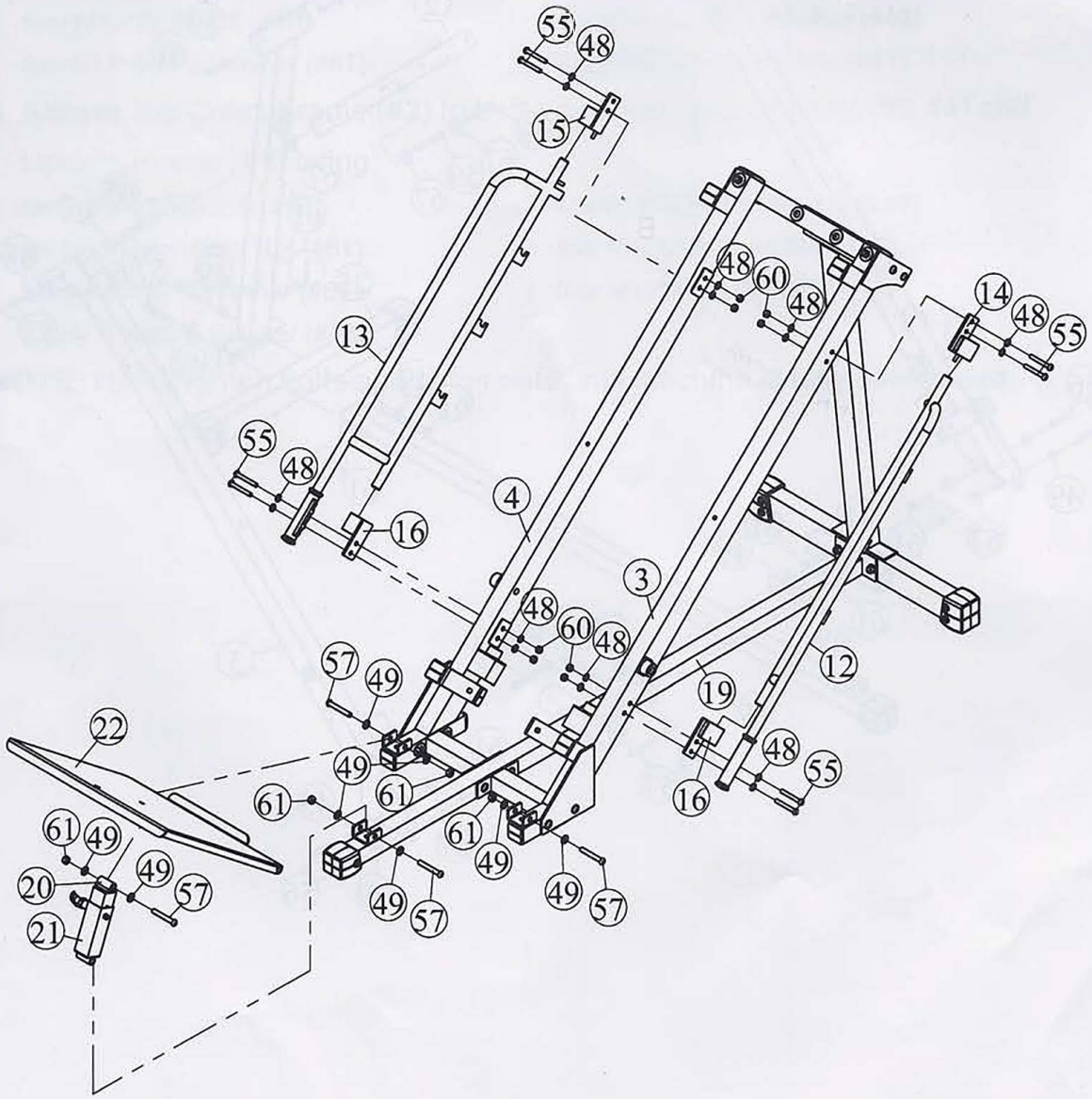
Step 2

1. Complete Big Foot Plate (#22) assembly using:
   - one Telescope Frame for Adj. Foot Plate (#20)
   - one Adj. Support (#21)
   - one M12*80 BHCS (#57)
   - twoΦ13*Φ24*1.5 Washer (#49)
   - one M12 Nylon Lock Nut (#61)
2. Attach Big Foot Plate (#22) assembly to main unit using:
   - three M12*80 BHCS (#57)
   - sixΦ13*Φ24*1.5 Washer (#49)
   - three M12 Nylon Lock Nut (#61)
3. Attach Left and Right Safety Bar Catches (#12,#13) using:
   - two Safety Bar Mount (#16)
   - one Right Safety Bar Mount w/Pin (#15)
   - one Left Safety Bar Mount w/Pin (#14)
   - eight M10*75 BHCS (#55)
   - sixteen Φ11*Φ20*2 Washer (#48)
   - eight M10 Nylon Lock Nut (#60)

NOTE: Hand tighten bolts and nylon nuts until machine is fully assembled.

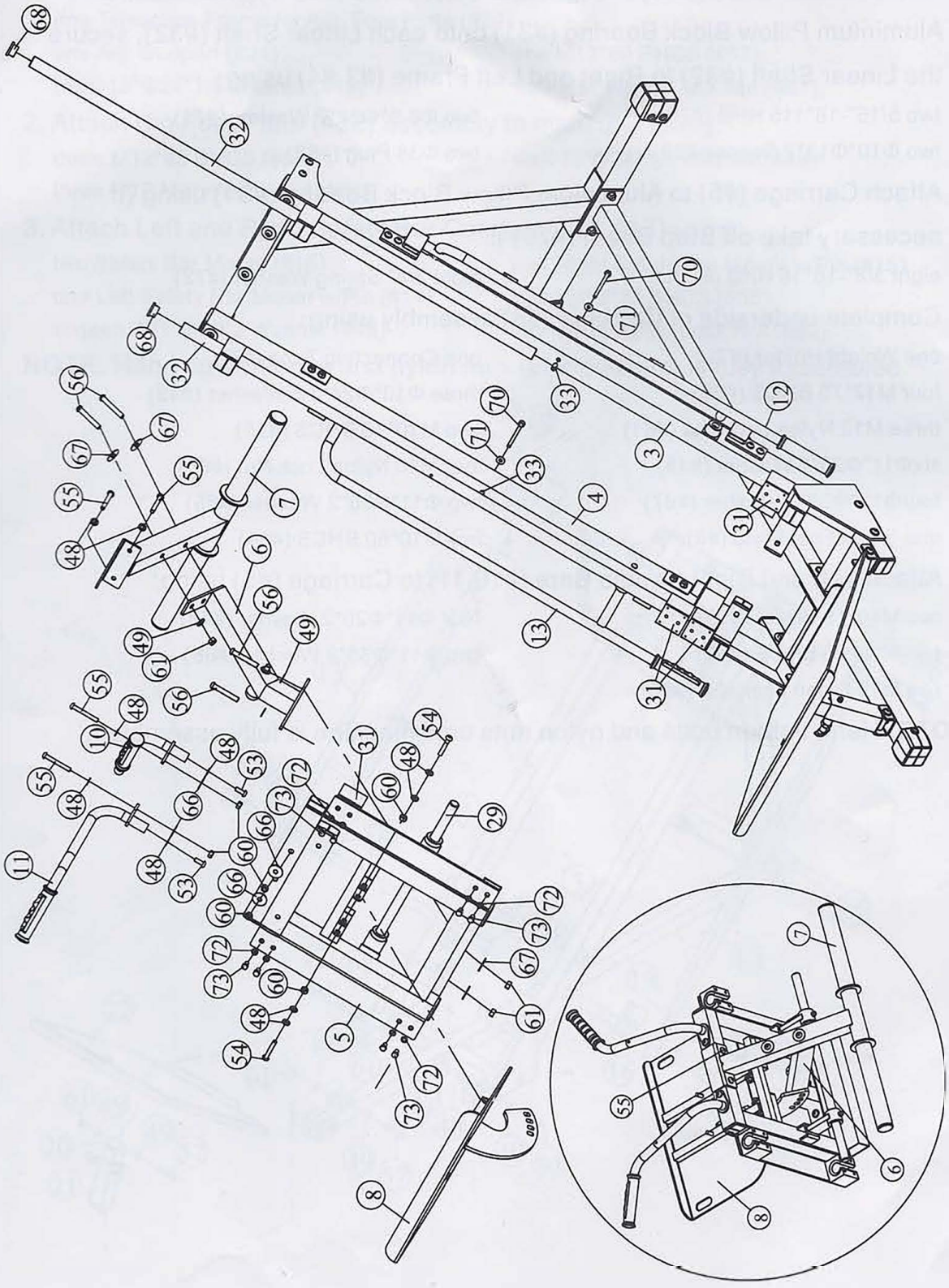


Step 3

1. Attach Linear Shaft (#32) to Right and Left Frame (#3,#4) then install 2 Aluminium Pillow Block Bearing (#31) onto each Linear Shaft (#32), secure the Linear Shaft (#32) to Right and Left Frame (#3,#4) using:
   - two 5/16"-18*115 HHB (#70)
   - two Φ8.5*Φ22*2 Washer (#71)
   - two Φ10*Φ13*2 Spacer(#33)
   - two Φ38 Plug (#68)
2. Attach Carriage (#5) to Aluminium Pillow Block Bearing (#31) using (If necessary take off Stop Beam (#29)):
   - eight 3/8"-16*16 HHB (#73)
   - eight 3/8" Spring Washer (#72)
3. Complete underside of Carriage (#5) assembly using:
   - one Weight Holder (#7)
   - one Connecting Tube (#6)
   - four M12*75 BHCS (#56)
   - three Φ13*Φ24*1.5 Washer (#49)
   - three M12 Nylon Lock Nut (#61)
   - two M10*75 BHCS (#55)
   - sixΦ11*Φ20*2 Washer (#48)
   - four M10 Nylon Lock Nut (#60)
   - fourΦ13*Φ38*2 Washer (#67)
   - two Φ11*Φ38*2 Washer (#66)
   - one Small Foot Plate (#8)
   - two M10*60 BHCS (#54)
4. Attach Left and Right Handle Bars (#10,11) to Carriage (#5) using:
   - two M10*75 BHCS (#55)
   - four Φ11*Φ20*2 Washer (#48)
   - two M10*25 BHCS (#53)
   - two Φ11*Φ38*2 Washer (#66)
   - two M10 Nylon Lock Nut (#60)

NOTE: Hand tighten bolts and nylon nuts until machine is fully assembled.

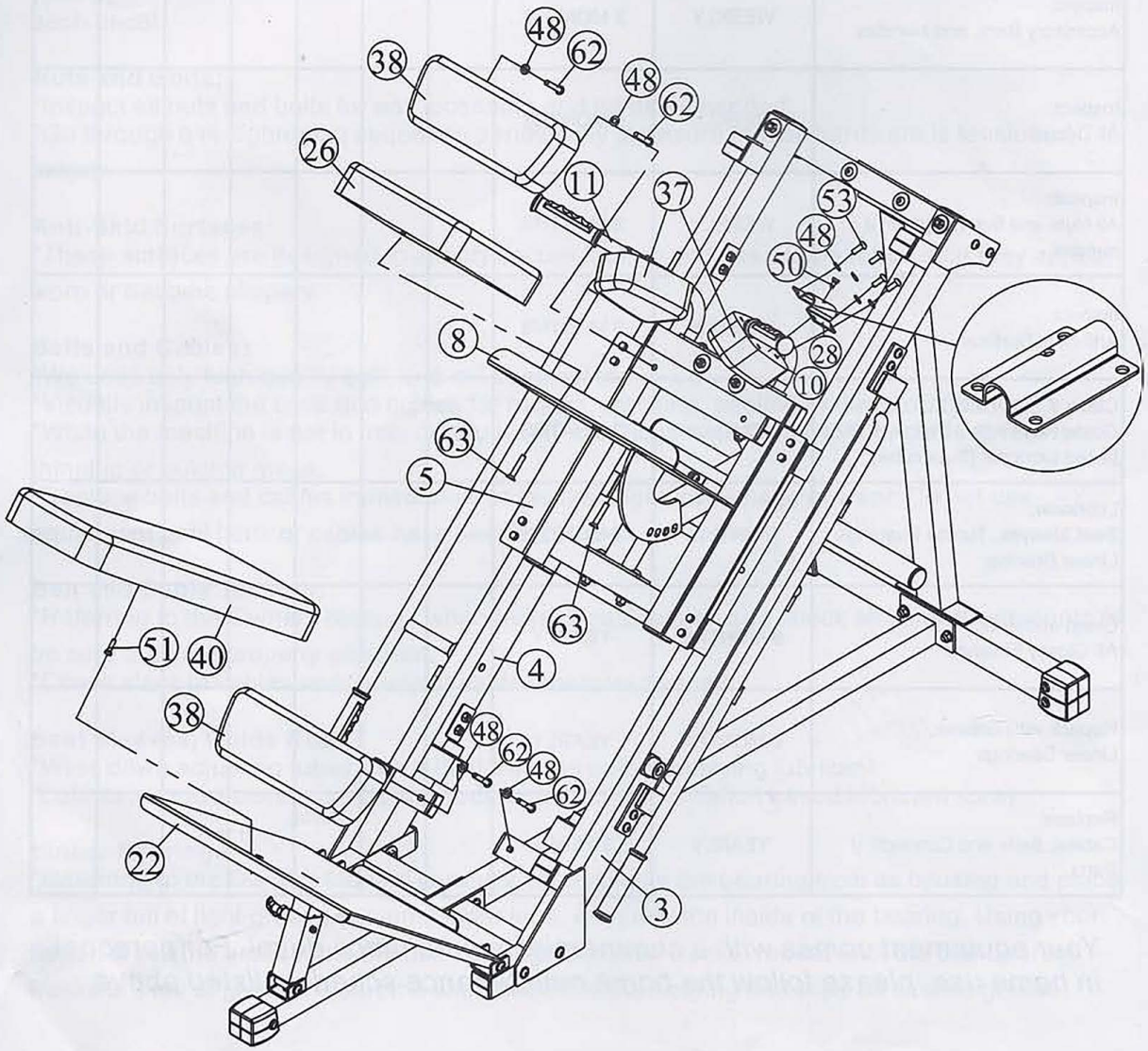
Step 3



Step 4

1. Attach Shoulder Pads (#37) to Left and Right Handle Bars (#10,#11) using:
   - two Shoulder Connector (#28)
   - eight M10*25 BHCS (#53)
   - eight Φ11*Φ20*2 Washer (#48)
   - two M8*12 Screw (#50)
2. Attach remaining Pads (#40,#38,#26) using:
   - one M8*25 Screw (#51)
   - four Φ11*Φ20*2 Washer (#48)
   - two M10*55 BHCS (#63)
   - four M10*55 BHCS (#62)

NOTE: Wrench Tighten bolts and Nylon Lock nuts.



Maintenance Schedule

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

This unit is for gyms, Please consult with a training instructor before using.

Specifications

1. Class: H
2. Maximum Load of Trainer: 150Kg/ 330lbs.

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