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INSTRUCTIONS

Before beginning assembly please take the time to read the 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 the part number and description from the lists. Use only Hoist replacement parts when servicing. Failure to do so will void your warranty and could result in personal injury.

Hoist 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 Hoist dealer. Be sure to have your serial number and this manual when calling. When all parts have been accounted for, continue on .

TOOLS REQUIRED

Socket Wrench (9/16", 1/2")

3/4" Open End Wrench

Standard Allen Wrench set (5/64" thru 1/4")

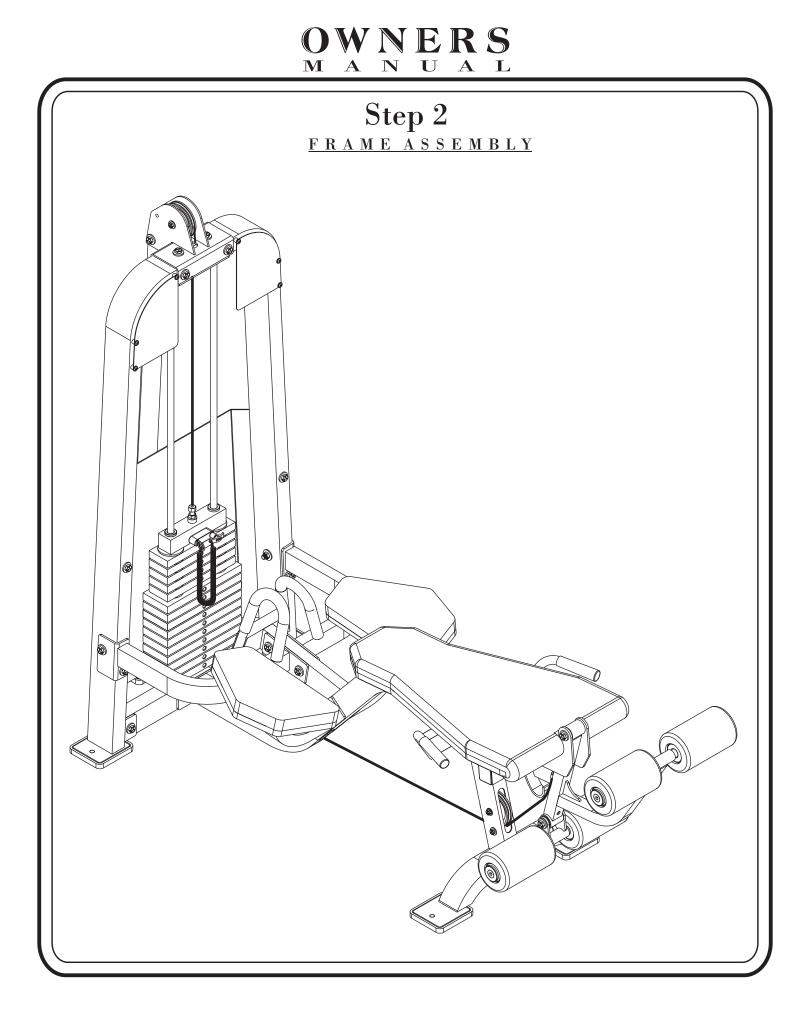
External snap ring pliers with a tip size between .035" ~ .043".

Crescent Wrench

Rubber Mallet

Tape Measure

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Step 2a FRAME ASSEMBLY

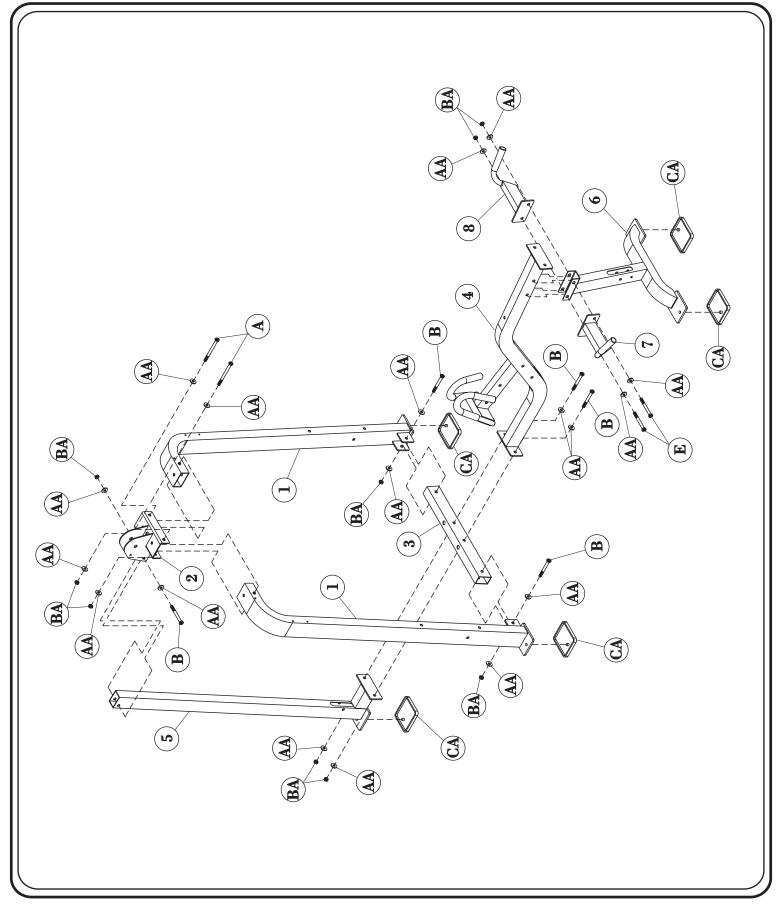
Start assembly by bolting both (1)'s, to (2). Then bolt (3) to the bottom of both (1)'s. Attach the top of (5) to (2), and the bottom of (5) and (4) to (3). Bolt (6), (7), and (8) to (4). <u>Wrench Tighten</u> bolts.

Part Descriptions

- 1 Weight Frame Upright
- 2 Weight Cage Top Mount
- 3 Weight Stack Mount
- 4 Main Support Frame
- 5 Rear Upright
- 6 Main Frame Support
- 7 Right Side Handle
- 8 Left Side Handle

Hardware Descriptions

- A 1/2"-13UNC x 4 3/4" Hex Bolt
- B 1/2"-13UNC x 3" Hex Bolt
- E 1/2"-13UNC x 3 1/4" Hex Bolt
- AA 1/2" Flat Washer
- BA 1/2" Nylok Nut
- CA Rubber Foot Pad



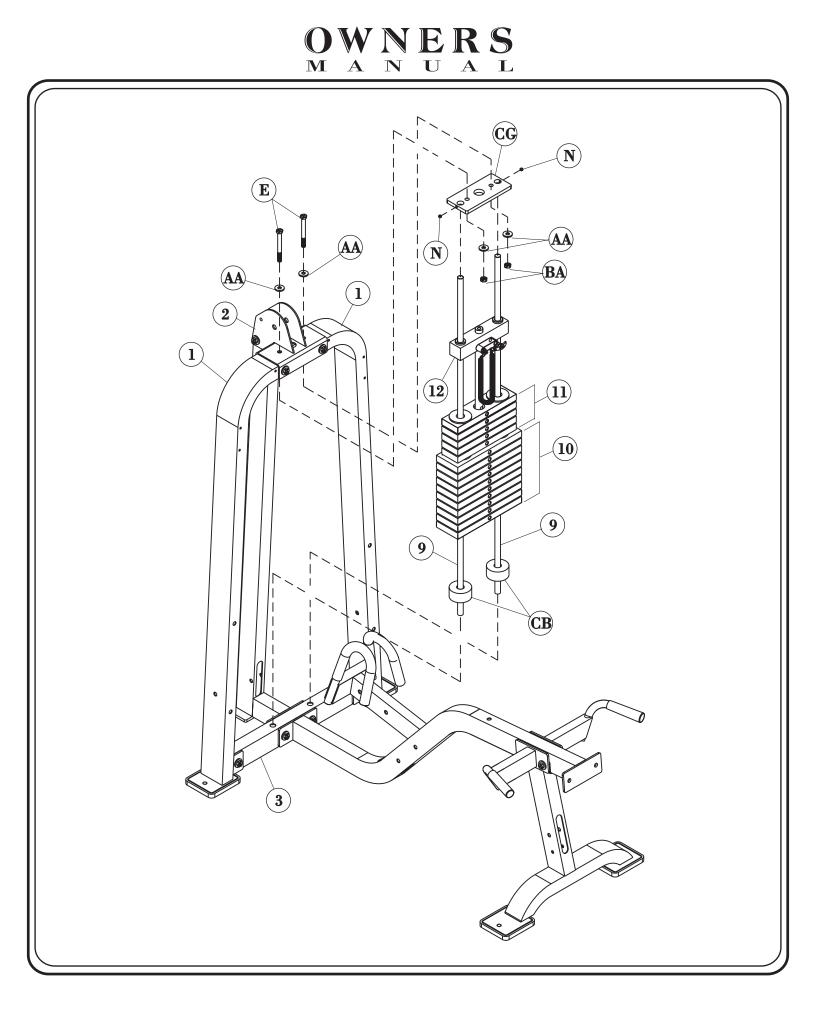
Step 2b

Start by sliding (9) through (CB) and slide them both into (3). Tilt both (9)'s forward enough to allow room to slide the weights on. Slide all 10 (10)'s, and all 5 (11)'s on to both (9)'s. Now slide (12) onto both (9)'s. Slide (CG) on both (9)'s and angle both (9)'s vertical and secure (CG) to both (1)'s and (2). Secure both (9)'s to (CG) using set screw (N). <u>Wrench</u> <u>Tighten</u> all bolts.

Hardware Descriptions

Part Descriptions

1 - Weight Frame Upright E - 1/2"-13UNC x 3 1/4" Hex Bolt 2 - Weight Cage Top Mount N - 5/16"-UNC x 5/16" Socket Set Screw (WZ) 3 - Weight Stack Mount AA - 1/2" Flat Washer 9 - Guide Rod BA - 1/2" Nylok Nut 10 - 12 ¹/₂ LB Intermediate Plate CB - Weight Stack Bumper 11 - 8 ¹/₄ LB Intermediate Plate CG - Guide Rod Top Mount 12 - 8 ¹/₄ LB Top Plate



Step 2c

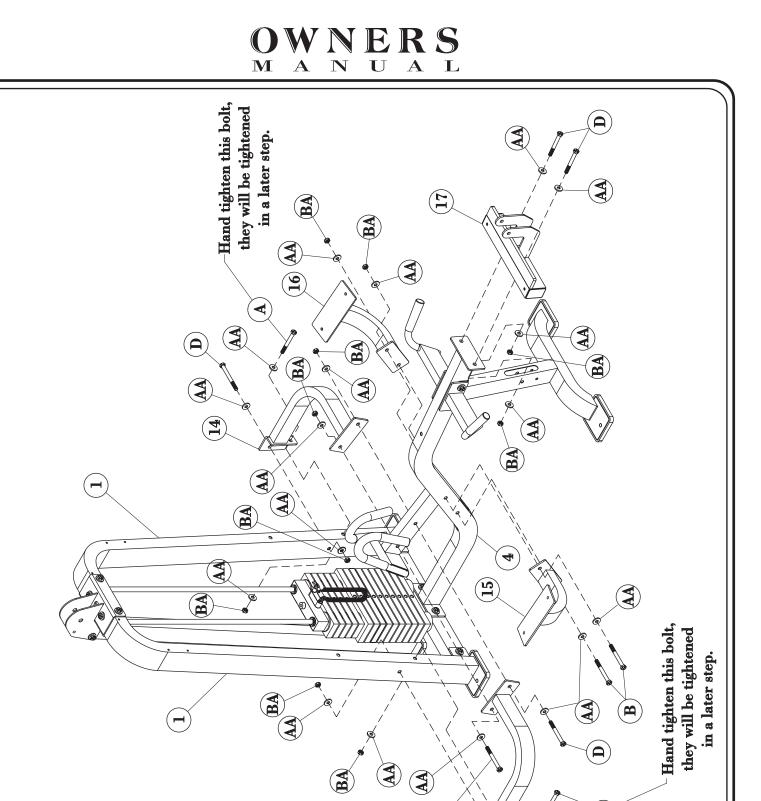
Start assembly by bolting (13) and (14) to (1) and (4). Then bolt (15) and (16) to (4). Bolt (17) to (4). <u>Wrench Tighten</u> bolts. <u>Note</u>: when bolting (13) and (14) to both (1)'s, hand tighten bolts (A), they will be secured in a later step.

Part Descriptions

- 1 Weight Frame Upright
- 4 Main Frame
- 13 Left Side Support Mount
- 14 Right Side Support Mount
- 15 Left Side Elbow Pad Mount
- 16 Right Side Elbow Pad Mount
- 17 Leg Extension Mount

Hardware Descriptions

A - 1/2"-13UNC x 4 3/4" Hex Bolt B - 1/2"-13UNC x 3" Hex Bolt D - 1/2"-13UNC x 2 3/4" Hex Bolt AA - 1/2" Flat Washer BA - 1/2" Nylok Nut



13

(AA)

Step 2d

Start assembly by sliding (20) into the top of (18) and attach it to (17). Then slide (20) into the bottom of (18) and attach (19) to (18). <u>Wrench Tighten</u> bolts. Check to see that these pivot areas swing freely. If not, back off Nylock Nut (BA) slightly until both (18) and (19) swing freely.

Part Descriptions

Hardware Descriptions

17 - Leg Extension Mount

18 - Leg Extension

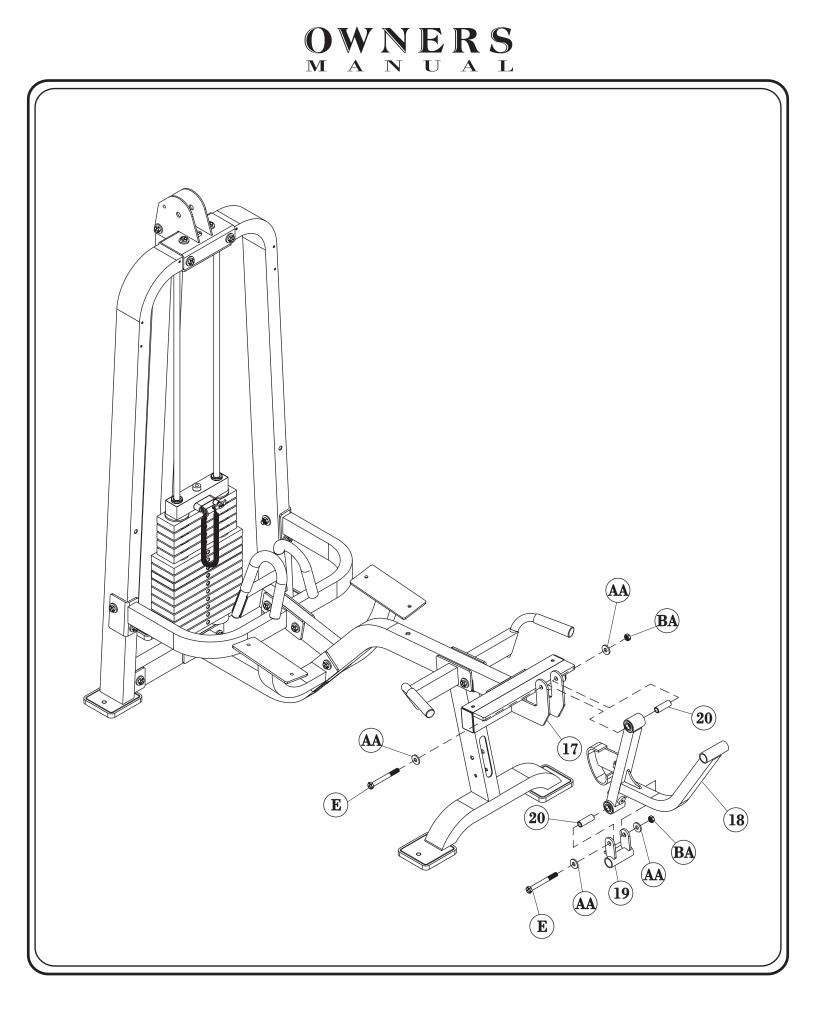
19 - Lower Swivel Bracket

20 - Dia. .75 x 2.25 LG CRS

E - 1/2"-13UNC x 3 1/4" Hex Bolt

AA - 1/2" Flat Washer

BA - 1/2" Nylok Nut



Step 2e

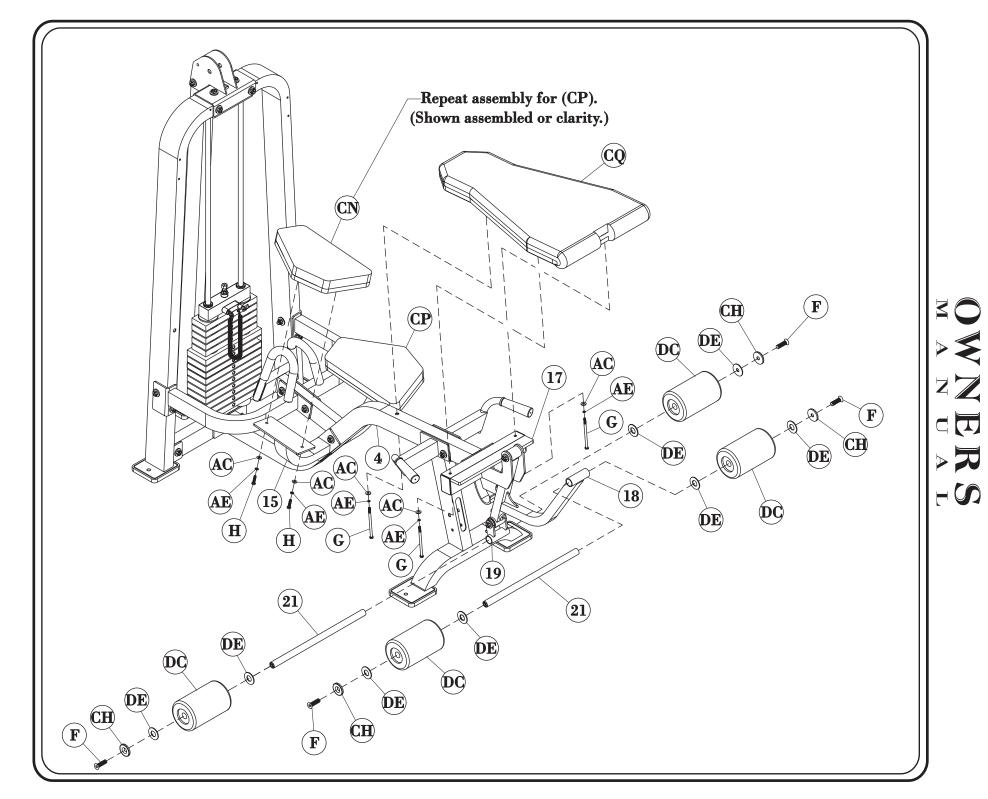
Start assembly by sliding one (21) through (18), and another (21) through (19). Bolt two (DC)'s to each (21)'s. Then secure (CN) to (15), and repeat step for (CP) to (16) (shown assembled for clarity). Next bolt (CQ) to (4) and (17). <u>Wrench Tighten</u> bolts.

Part Descriptions

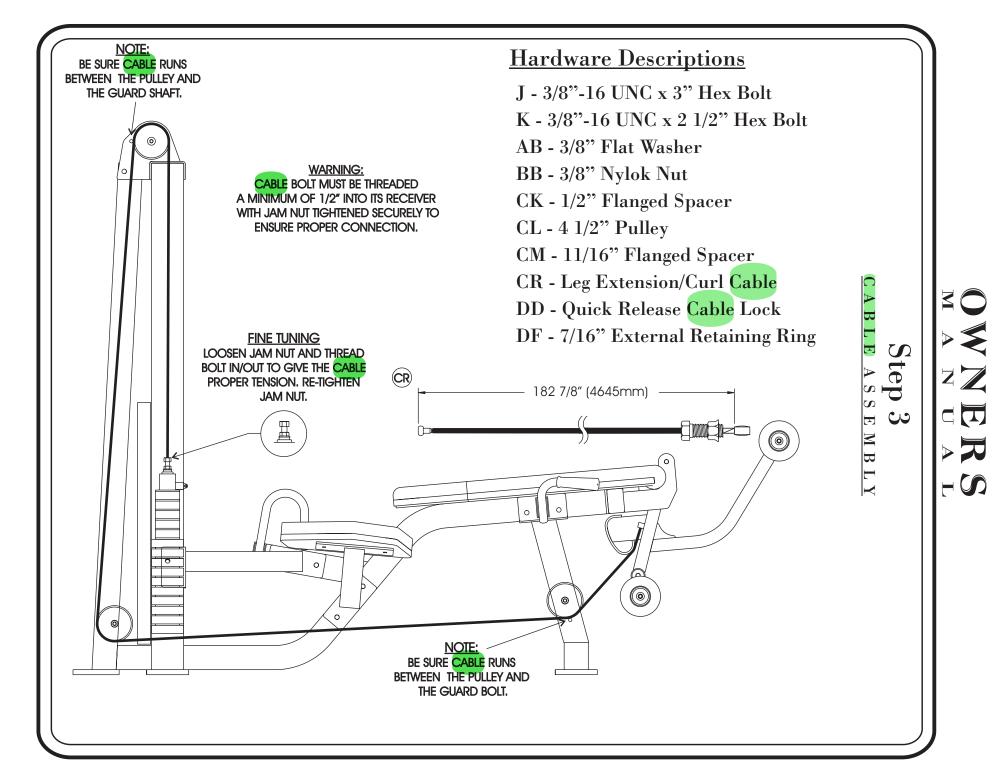
4 - Main Frame
15 - Left Side Elbow Pad Mount
16 - Right Side Elbow Pad Mount
17 - Leg Extension Mount
18 - Leg Extension
19 - Lower Swivel Bracket
21 - Roller Pad Bar

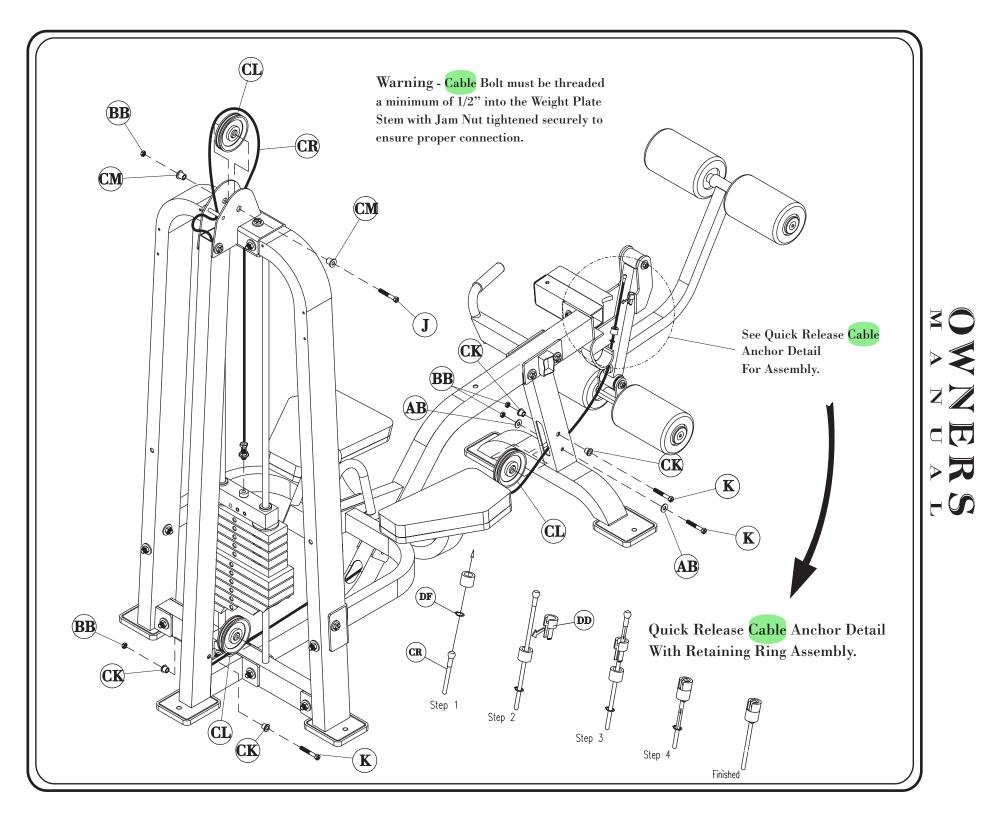
Hardware Descriptions

F - 3/8"-16UNC x 1" Flat Head Screw G - 5/16"-18UNC x 4" Hex Bolt H - 5/16"-18UNC x 1 1/4" Hex Bolt AC - 5/16" Washer AE - 5/16" Lock Washer CH - 3/8" Flat Head Cap CN - Upholstery Pad CP - Upholstery Pad CQ - Pad Assembly DC - Roller Pad DE - Plastic Washer



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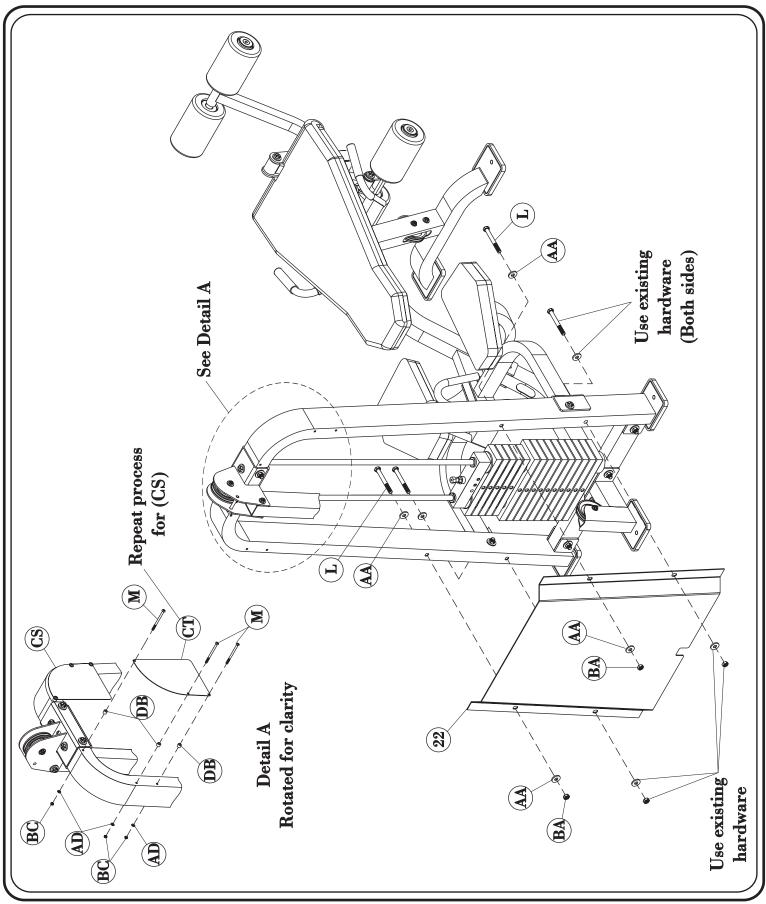
Step 4

Attach (22), (CS), and (CT) as shown. <u>Wrench Tighten</u> bolts.

IMPORTANT

Now that the Hd1400 machine is completely assembled take time to assure that your unit is assembled square and perpendicular. To check this use a Level to check that the Guide Rods are perpendicular in both directions. If they are not perpendicular in both directions. It will be necessary to loosen some Frame hardware to re-align the Frame and re-tighten bolts.

<u>Part Descriptions</u>	<u>Hardware Descriptions</u>
22 - Frame Shield	L - 1/2"-13 UNC x 4 1/2" Hex Bolt
	M - 1/4"-24 UNF x 5" Button Head Bolt
	AA - 1/2" Flat Washer
	AD - 1/4" Flat Washer
	BA - 1/2" Nylok Nut
	BC - 1/4" Nylok Nut
	CS - Placard (Right)
	CT - Placard (Left)
	DB - Spacer



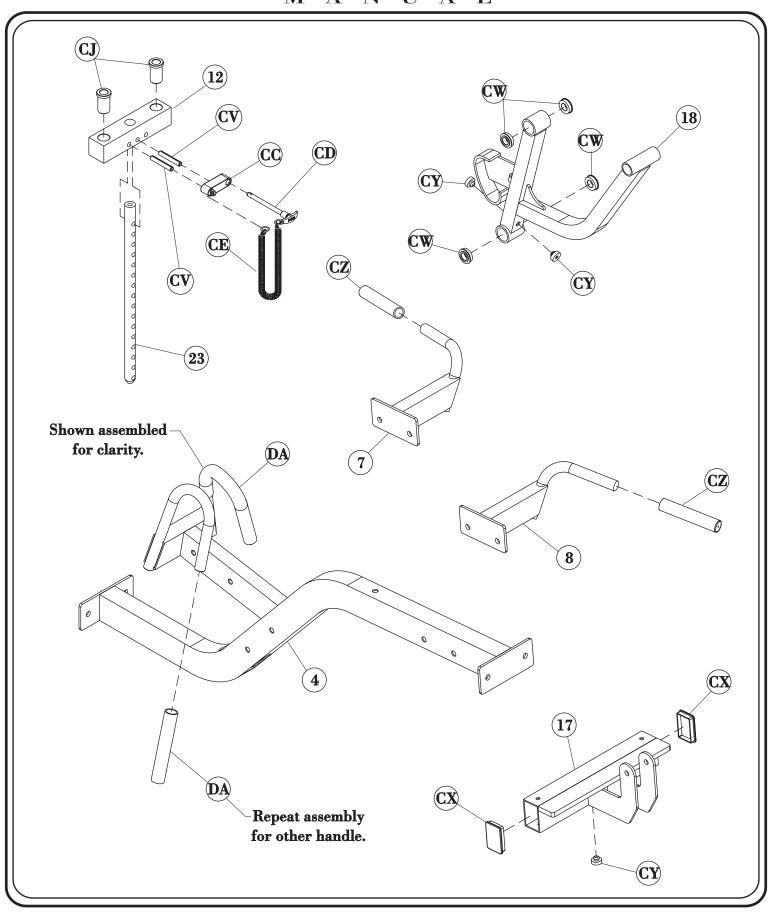
Step 5 PRE-ASSEMBLY

Part Descriptions

4 - Main Frame
7 - Right Side Handle
8 - Left Side Handle
12 - 8 ¼ lb Top Plate
17 - Leg Extension Mount
18 - Leg Extension
23 - 16 Plate Selector Stem

Hardware Descriptions

CC - Landyard/Selector Pin Stand Off CD - Selector Pin CE - Lanyard Coil CJ - Guide Rod Bushing CV - 7/16" Roll Pin x 2 3/4" LG CW - 3/4" Flanged Ball Bearing CX - End Cap 50mm x 75mm CY - Bumper CZ - Closed End Black Foam Grip DA - Closed End Black Foam Grip

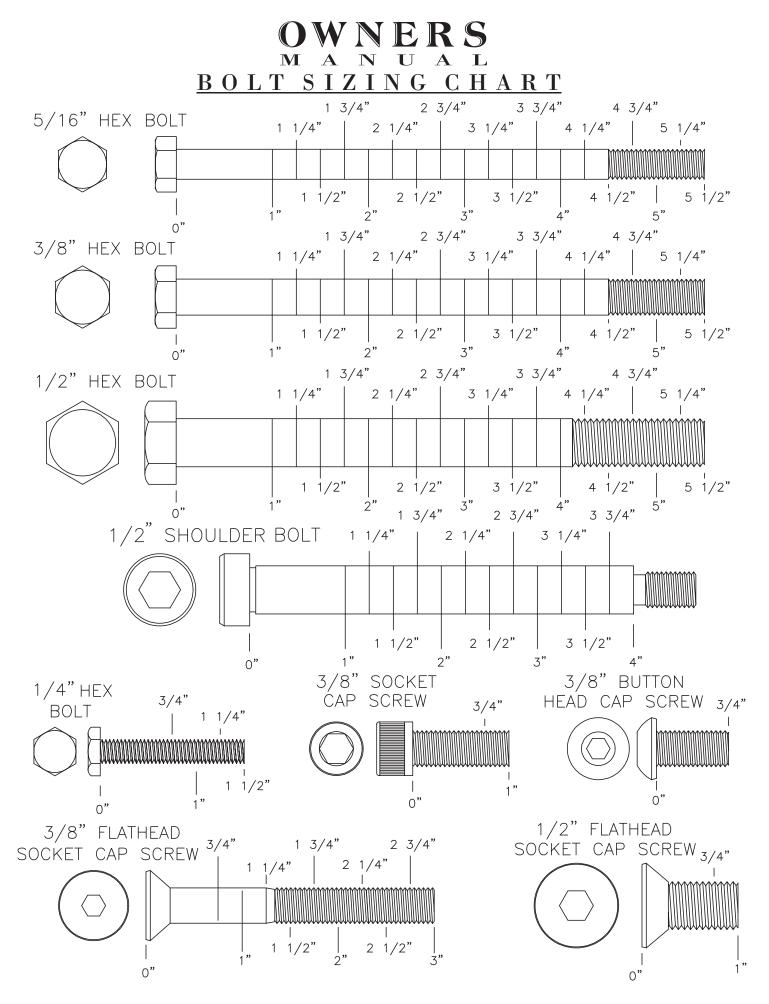


PARTS LISTING

Key#	<u>Qty.</u>	Part Number	Description
1	2	026-01X2109	Weight Frame Upright
2	1	26-STD-04-1227	Weight Cage Top Mount
3	1	26-STD-01-1807	Weight Stack Mount
4	1	26-STD-04-1243	Main Frame
5	1	26-STD-04-1226	Rear Upright
6	1	26-STD-04-1244	Main Frame Support
7	1	026-01X0887	Right Side Handle
8	1	026-01X0888	Left Side Handle
9	2	26-STD-01-1808	Guide Rod
10	10	26-STD-SW101	12 1/2 LB Intermediate Plate
11	5	26-STD-SW102	8 1/4 LB Intermediate Plate
12	1	026-1300034	8 1/4 LB Top Plate
13	1	026-01X0884	Left Side Support Mount
14	1	026-01X0883	Right Side Support Mount
15	1	026-01X0862	Left Side Elbow Pad Mount
16	1	026-01X0863	Right Side Elbow Pad Mount
17	1	26-STD-04-1248	Leg Extention Mount
18	1	26-STD-04-1249	Leg Extension
19	1	26-STD-04-1250	Lower Swivel Bracket
20	2	26-STD-05-0290	Dia75 x 2.25 LG C.R.S
21	2	26-STD-04-1251	Roller Pad Bar
22	1	26-STD-10-0187	Frame Shield
23	1	26-STD-SW111	16 Plate Selector Stem

HARDWARE LISTING

<u>Key #</u>	<u>Qty.</u>	<u>Part Number</u>	Description
А	4		1/2"-13UNC x 4 3/4" Hex Bolt (WZ)
в	7		1/2"-13UNC x 3" Hex Bolt (WZ)
D	6		1/2"-13UNC x 2 3/4" Hex Bolt (WZ)
E	6		$1/2^{-13}$ UNC x 2 3/4 Hex Bolt (WZ)
F	4	011-0002042	3/8"-16UNC x 1" Flat Head Screw (WZ)
Ġ	3	011 0002012	5/16"-18UNC x 4" Hex Bolt (WZ)
н	4	011-0107010	5/16"-18UNC x 1 1 1/4" Hex Bolt (WZ)
J	1		3/8"-16UNC x 3" Hex Bolt (WZ)
к	3	011-0107009	3/8"-16UNC x 2 1/2" Hex Head (WZ)
L	2		1/2"-13UNC x 4 1/2" Hex Bolt (WZ)
м	6		1/4"-24UNF x 5" Button Head Screw (WZ)
N	2	011-0311012	5/16"-18UNC x 5/16" Socket Set Screw (WZ)
AA	50	013-0102003	1/2" Washer
AB	2	013-0002004	3/8" Washer
AC	7	013-0102004	5/16" Washer
AD	6	013-0002003	1/4" Washer
AE	7	013-0102017	5/16" Lock Washer
BA	25	012-0105005	1/2" Nylok Nut
BB	4	012-0004004	3/8" Nylok Nut
BC	6	012-0104009	1/4" Nylok Nut
CA	5	026-01PL195	Rubber Foot Pad
CC	1	026-01PL291	Landyard/Selector Pin Stand off
CD	1	026-01M0134	Selector Pin
CE	1	010-0008001	Landyard Coil
CF	2	016-0207001	Guide Rod Cap
CG	1	026-01P0819	Guide Rod Top Mount
СН	4	026-01M0238	3/8" Flat Head Cap
CJ	2	026-01PL134	Guide Rod Bushing
ск	4	26-STD-08-0010	1/2" Flanged Spacer
CL	3	26-STD-06-0025	4 1/2" Pulley
CM	2	026-01M0532	11/16" Flanged Spacer
CN CP	1	26-STD-SU10161316L 26-STD-SU10161316L	Upholstery Pad Upholstery Pad
CQ	1	022-01PD0043	Pad Assembly
CR	i	026-01C0238T	HD1400 Leg Extension/Curl Cable
čs	i	021-0013096	HD1400 Placard (Right)
CT	1	021-0013095	HD1400 Placard (Left)
cv	2	021 0010000	7/16" Roll Pin x 2 3/4" LG
CW	4	014-0009007	3/4" Flanged Ball Bearring
CX	2	26-STD-06-0108	Endcap 50mm x 75mm
CY	3	26-STD-06-0311	Bumper - Dia. 25 x 10.5h
cz	2	019-0002015	Closed End Black Foam Grip 6.00" LG
DA	2	019-0002014	Closed End Black Foam Grip 13.00" LG
DB	6	026-01PL290	Spacer
DC	ă	022-01PDR002	Roller Pad
DD	1	026-01M0836	Quick Release Cable Lock
DE	8	26-STD-06-0027	Plastic Washer Dia 60mm x Dia 25.6mm x 3 t (Black)
DF	1	014-00015019	7/16" External Retaining Ring

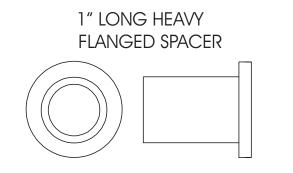


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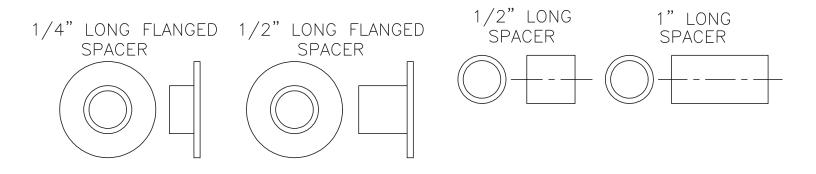
HD1400 Assembly

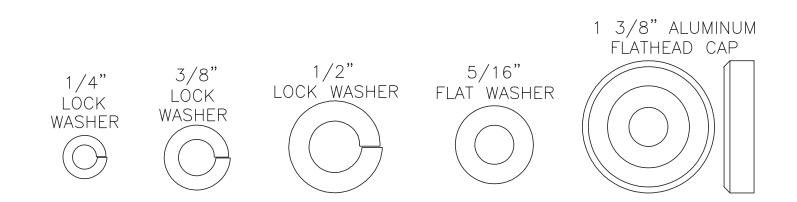
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OWNERS MANUAL WASHER SIZING CHART

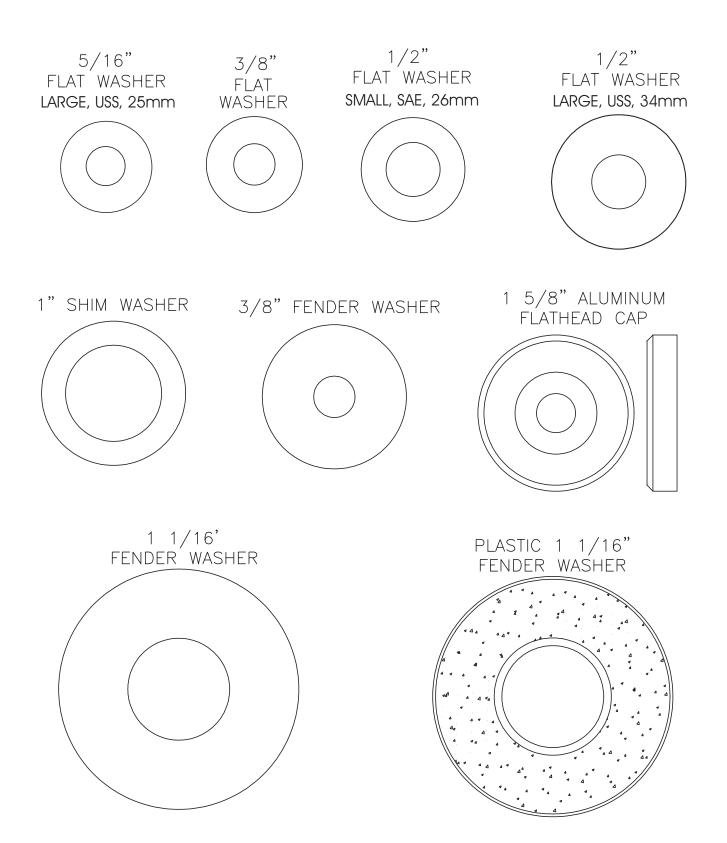


11/16" LONG HEAVY FLANGED SPACER

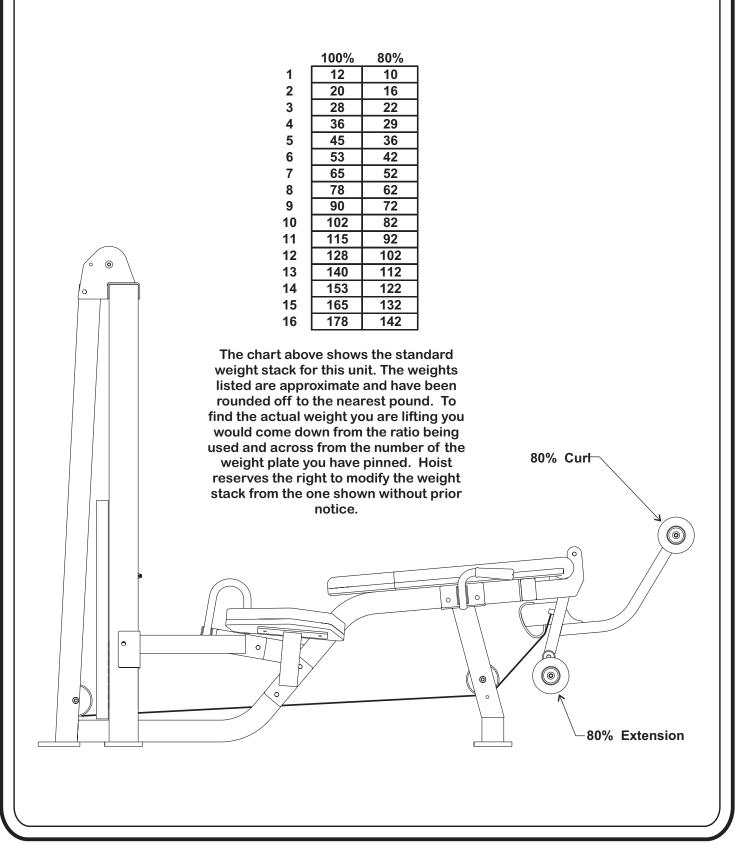




WASHER SIZING CHART



WEIGHT RATIOS



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WEIGHT TRAINING TIPS

Always consult your physician before starting any exercise program.

Hoist equipment is designed to maximize your time spent working out. Having an exercise routine planned out in advance will allow you to get the most benefit out of the time spent exercising, and will also enable you to work all the major muscle groups.

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.

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DECAL PLACEMENT 5 4 (8) 5 (8) 3 ۲ (2) 7 **Decal Descriptions** Place the #1 decal on the right side of the 1 - 021-0003011 weight selector pin holder. 2 - 021-0003130 6 3 - 021-0003131 4 - 021-0003254 5 - 020-0003334 $(\mathbf{1})$ 6 - 021-0003138 7 - SERIAL # DECAL 8 - 021-0003221

DECAL PLACEMENT



1-800-548-5438 www.hoistfitness.com SERIAL # 00-00-000000

SERIAL # DECAL







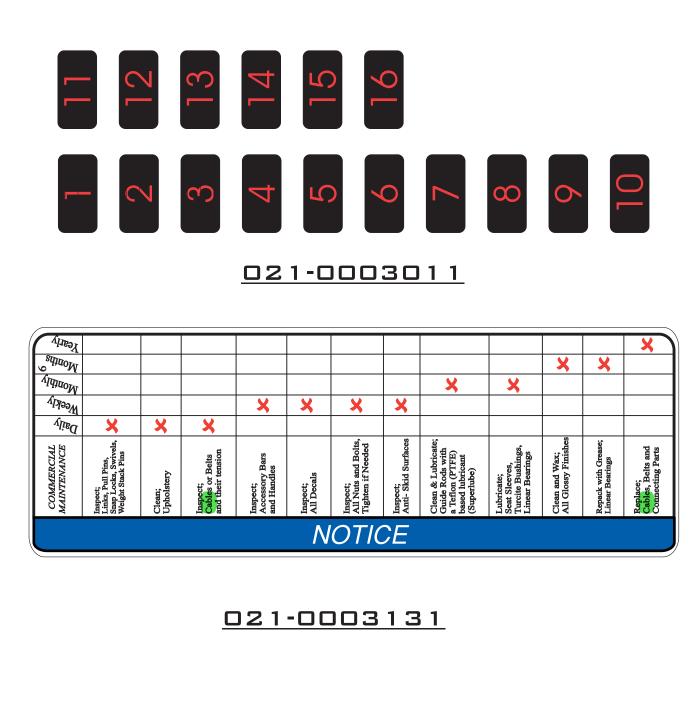




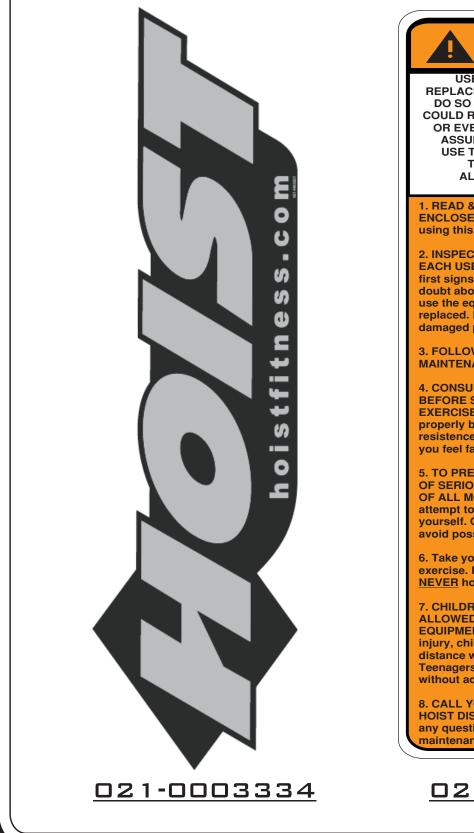
021-0003138

DECAL PLACEMENT

This decal has been attached to this piece of equipment to provide information regarding operation, safety and maintenance. Before use, take the time to read these decals.







USE ONLY GENUINE HOIST REPLACEMENT PARTS. FAILURE TO

DO SO WILL VOID WARRANTY AND COULD RESULT IN PERSONAL INJURY OR EVEN DEATH. THERE IS A RISK ASSUMED BY INDIVIDUALS WHO USE THIS TYPE OF EQUIPMENT. TO MINIMIZE THE RISK ALWAYS FOLLOW THESE SIMPLE RULES.

1. READ & UNDERSTAND ALL ENCLOSED INSTRUCTIONS before using this equipment.

2. INSPECT EQUIPMENT BEFORE EACH USE. Replace all parts at the first signs of wear or damage. If in doubt about a certain part, DO NOT use the equipment until the part is replaced. Failure to replace worn or damaged parts may result in injury.

3. FOLLOW ROUTINE MAINTENANCE SCHEDULE

4. CONSULT YOUR PHYSICIAN BEFORE STARTING ANY EXERCISE PROGRAM. Warm up properly before engaging in weight resistence training. Stop exercising if you feel faint or dizzy.

5. TO PREVENT THE POSSIBILITY OF SERIOUS INJURY, KEEP CLEAR OF ALL MOVING PARTS. Do not attempt to free any jammed part by yourself. Obtain assistance in order to avoid possible injury.

6. Take your time and do not rush the exercise. Practice proper breathing, <u>NEVER</u> hold your breath.

7. CHILDREN SHOULD NOT BE ALLOWED TO USE THIS EQUIPMENT. To avoid possible injury, children should be kept at a safe distance when this equipment is in use. Teenagers should not use this equipment without adult supervision.

8. CALL YOUR AUTHORIZED HOIST DISTRIBUTOR if you have any questions on the proper use or maintenance of this equipment.

<u>021-0003130</u>

HOIST FITNESS SYSTEMS GENERAL MAINTENANCE INFORMATION

Links, Pull-Pins, Snap Locks, 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.

Guide Rods:

* Wipe clean with a dust free rag. Lubricate once a week with a Silicon or Teflon based lubricant.

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 properly.

Anti-Skid Surfaces:

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

Cables:

* Hoist uses only Aircraft Quality Cable which meets or exceeds military specifications. Although our cables are designed to last for years, to ensure optimum performance and as a routine safety precaution we recommend that all cables be replaced yearly.

- * Visually inspect the cable for fraying, cracking, peeling or discoloration.
- * While the machine is not in use, carefully run your fingers along the cable to feel for thinning or bulging areas.

* Replace cables immediately at the first signs of damage or wear. Do not use equipment until cables have been replaced.

Continued: GENERAL MAINTENANCE INFORMATION

Cable Tension:

* Referring to the Assembly/Owners Manual, check all cable bolts and attachments to be sure they are properly attached.

* Check slack in cables and readjust cable tension if needed.

Seat Sleeves, Turcite Bushings:

* Wipe down adjusting tubes with a dust free rag before applying lubricant.

* Lubricate seat sleeves and turcite bushings with a Silicon or Teflon based lubricant spray.

Linear Bearings:

* Referring to the Assembly/ Owners manual carefully dis-assemble 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.

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 Surfaces	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.

HOIST FITNESS SYSTEMS LIMITED LIFETIME WARRANTY

Hoist Fitness Systems warrants this product to the **original purchaser** to be free from defects in workmanship and/or materials under normal use or service. If at any time a component part is defective, Hoist Fitness Systems shall repair or replace it (at Hoist Fitness Systems option) within a reasonable period of time. This warranty does not cover costs of removal. transportation or reinstallation. This warranty shall not apply if the defect was caused by misuse, neglect or normal wear and tear.

Starting from the original date of purchase, normal wear and tear shall be considered as the following:

COMMERCIAL USE: All malfunctions of upholstery, grips, paint, and chrome that occur after 180 days; all malfunctions of electronic components, belts or **cable**s that occur after one year; all malfunctions of pulleys, bearings, or bushings that occur after five years. The frame and all welded components are warranted for the life of the product.

IN HOME USE: All malfunctions of grips, paint, and chrome that occur after one year; all malfunctions of electronic components, belts or **cables**, and upholstery that occur after three years; all malfunctions of pulleys, bearings, or bushings that occur after five years. The frame and all welded components are warranted for the life of the product.

Hoist Fitness Systems sole responsibility shall be to repair or replace the component within the terms stated above. Hoist Fitness Systems shall not be liable for any loss or damage of any kind including any incidental or consequential damages resulting, directly or indirectly from any warranty expressed or implied or any other failure of this product.

WHAT IS NOT COVERED BY THIS WARRANTY

Hoist's sole obligation under this warranty is limited to either repair or replacement of parts, subject to the additions below. This warranty neither assumes nor authorizes any person to assume obligations other than expressly covered by this warranty. NO CONSEQUENTIAL DAMAGES. Hoist is not responsible for economic loss; profit loss; or special, indirect, or consequential

WARRANTY IS NOT TRANSFERABLE. This warranty is not assignable and applies only in favor of the original purchaser/user to whom delivered. Any such assignment or transfer shall void the warranties herein made and shall void all warranties, expressed, implied or statutory, except the one (1) and (5) year warranty described above. These warranties are exclusive and in lieu of all other warranties, including implied warranty and merchantability or fitness for a particular purpose. There are no warranties which extend beyond the description on the face hereof.

ALTERATION, NEGLECT, ABUSE, MISUSE, NORMAL WEAR & TEAR, ACCIDENT, DAMAGE DURING TRANSIT OR INSTALLATION FIRE, FLOOD, ACTS OF GOD. Hoist is not responsible for the repair or replacement of any parts that Hoist determines have been subjected after the date of manufacture to alteration, neglect, abuse, misuse, normal wear & tear, accident, damage during transit or installation, fire, flood, or an ACT OF GOD.

TRANSPORTATION COSTS. Hoist will accept parts covered under this warranty freight collect, provided that shipment has received prior approval. Hoist is not responsible for any other transportation costs, but will ship freight collect parts either repaired or replaced under these warranties.

WARRANTY CLAIMS. All claims should include: model number, the serial number, proof of purchase, date of installation, and all pertinent information supporting the existence of the alleged defect.

Hoist Fitness Systems 9990 Empire St. #130 San Diego, Calif. 92126 (800)548-5438

Web Site - www.hoistfitness.com

PLEASE KEEP THIS FOR YOUR RECORDS

HD1400 Assembly