

<u>Customer Service</u> (800) 548-5438 (858) 578-7676

RECORD SERIAL NUMBER HERE

<u>Fax</u> (858) 578-9558

# $O\underset{MAN}{W}\underset{N}{N}\underset{UAN}{E}\underset{R}{R}\underset{R}{R}$

# **CONTENTS**

INSTRUCTIONS (Step 1) 2
FRAME ASSEMBLY (Step 2)4
CABLE ASSEMBLY (Step 3)11
SHIELD ASSEMBLY (Step 4) 13
PRE-ASSEMBLED PARTS (Step 5)15
PARTS LISTING
HARDWARE LISTING
BOLT SIZING CHART 19
WASHER SIZING CHART 21
WEIGHT RATIOS 23
WEIGHT TRAINING TIPS 25
WEIGHT TRAINING EXERCISE LOG 27
DECAL PLACEMENT 29
GENERAL MAINTENANCE INFORMATION
MAINTENANCE SCHEDULE
LIMITED WARRANTY



#### 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 .

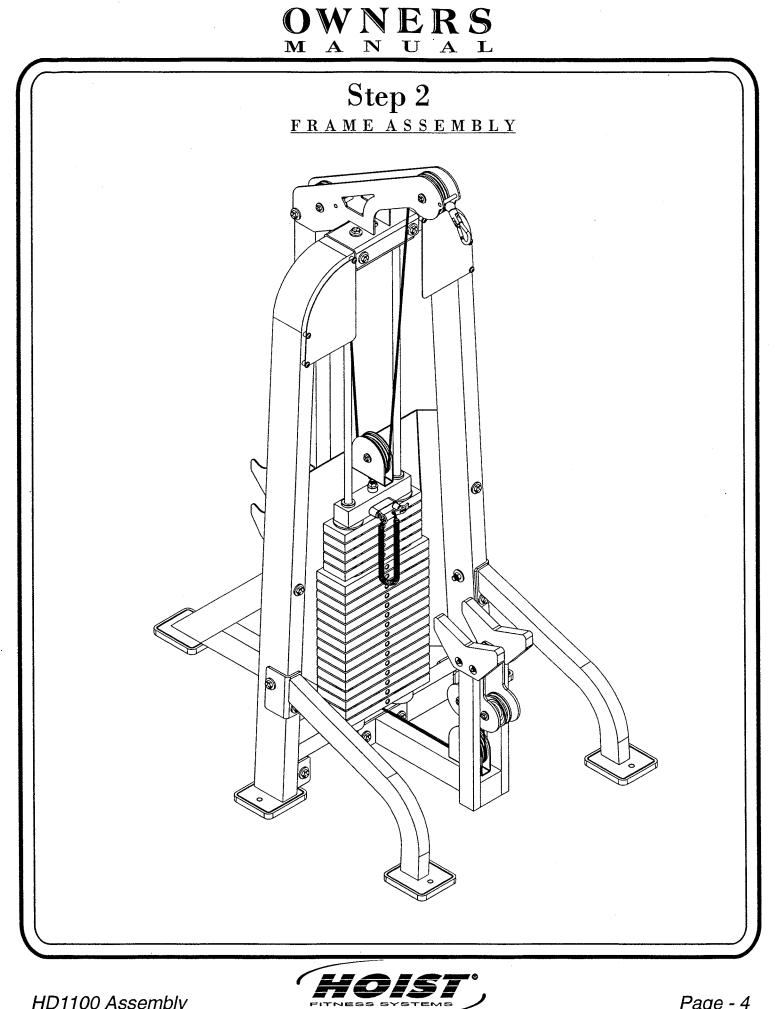
## **TOOLS REQUIRED**

Socket Wrench 9/16" and 3/4" Sockets Crescent Wrench Rubber Mallet Tape Measure



# HOIST

OWNERS MANUAL ÷



### Step 2a FRAME ASSEMBLY

Start assembly by bolting both (1)'s, to (2). Then bolt (3) to the bottom of both (1)'s. <u>Wrench Tighten</u> bolts. Attach (4) to the left (1), and (5) to the right (1). <u>Hand Tighten</u> bolts, they will be used again in a later step.

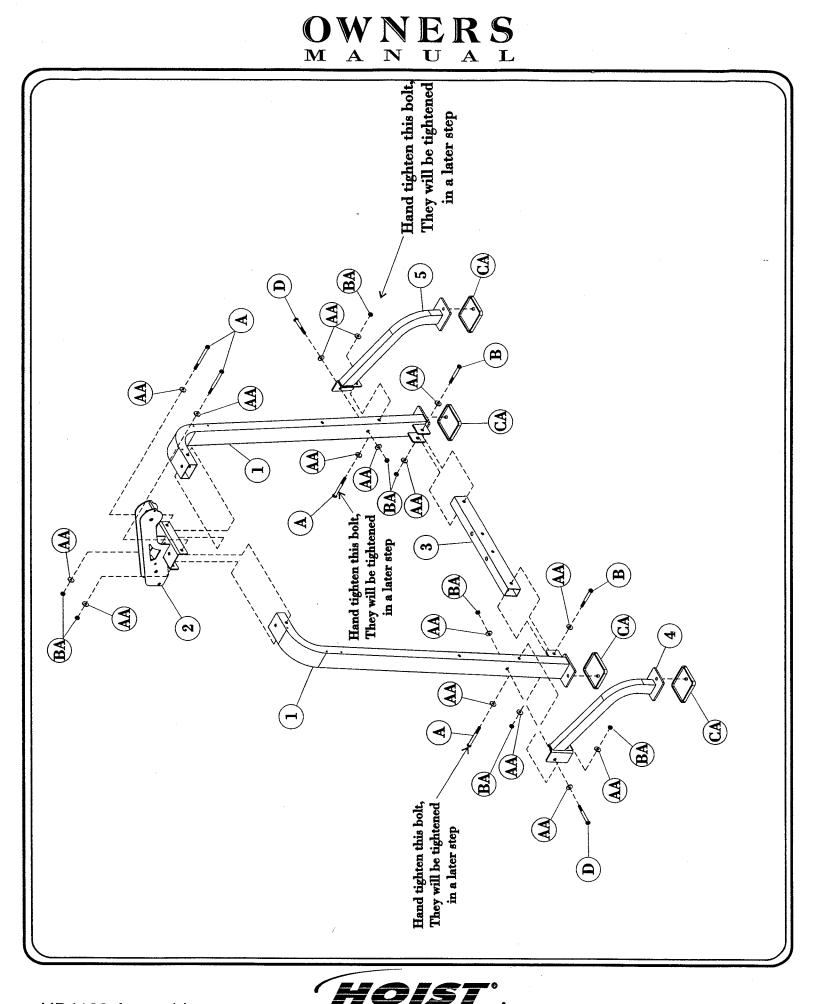
#### Part Descriptions

- 1 Weight Frame Upright
- 2 Top Pulley Mount
- 3 Weight Stack Mount
- 4 Left Side Support
- 5 Right Side Support

#### **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 CA - Rubber Foot Pad





# Step 2b

Start by sliding both (6)'s into (3). Tilt both (6)'s forward enough to allow room to slide the weights on. Slide a (CB) on each (6). Next slide all fifteen (7)'s, and all five (8)'s on to both (6)'s. Now slide (9) onto both (6)'s. Slide (CG) on both (6)'s and angle both (6)'s vertical and secure (CG) to both (1)'s and (2). Secure both (6)'s to (CG) with set screw (L). <u>Wrench Tighten</u> all bolts that were only hand tightened at this point.

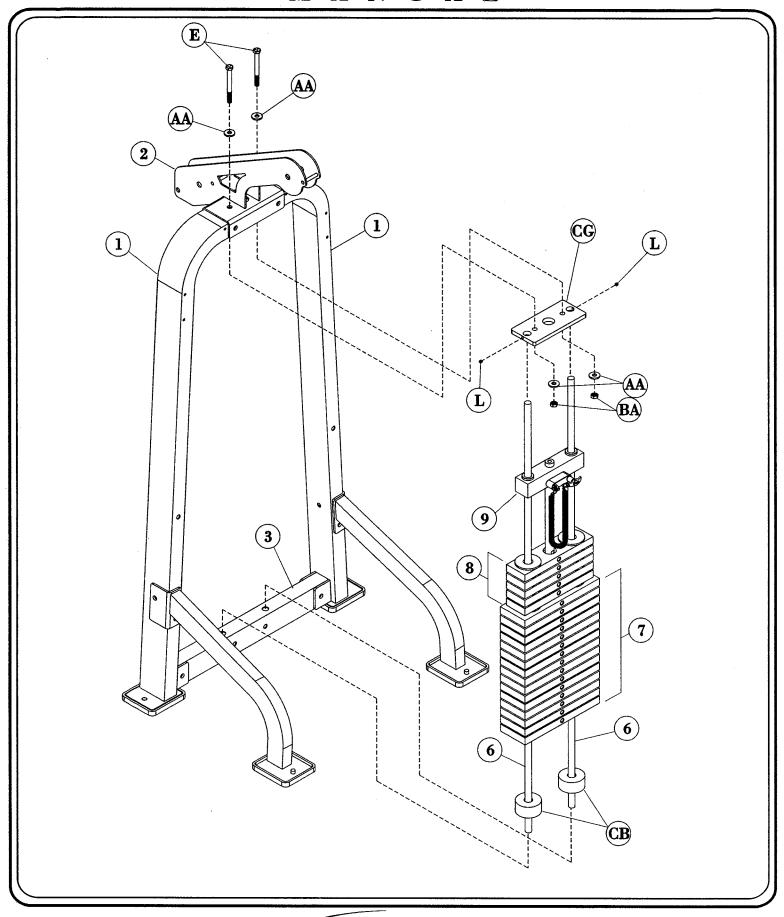
## Part Descriptions

- 1 Weight Frame Upright
- 2 Top Pulley Mount
- 3 Weight Stack Mount
- 6 Guide Rod
- 7 12 <sup>1</sup>/<sub>2</sub> LB Intermediate Plate
- 8 8 1/4 LB Intermediate Plate
- 9 8 1/4 LB Top Plate

## Hardware Descriptions

- E 1/2"-13UNC x 3 1/4" Hex Bolt
- L 5/16"-18UNC x 5/16" Socket Set Screw
- AA 1/2" Flat Washer
- BA 1/2" Nylok Nut
- CB Weight Stack Bumper
- CG Guide Rod Top Mount







# Step 2c

Start assembly by bolting (10) and (13) to (3). Then bolt the top of (10) to (2). Next attach (11) and (12) to (10). Bolt both (CH)'s to (13). <u>Wrench Tighten</u> bolts.

#### **Part Descriptions**

#### Hardware Descriptions

10 - Back Bone

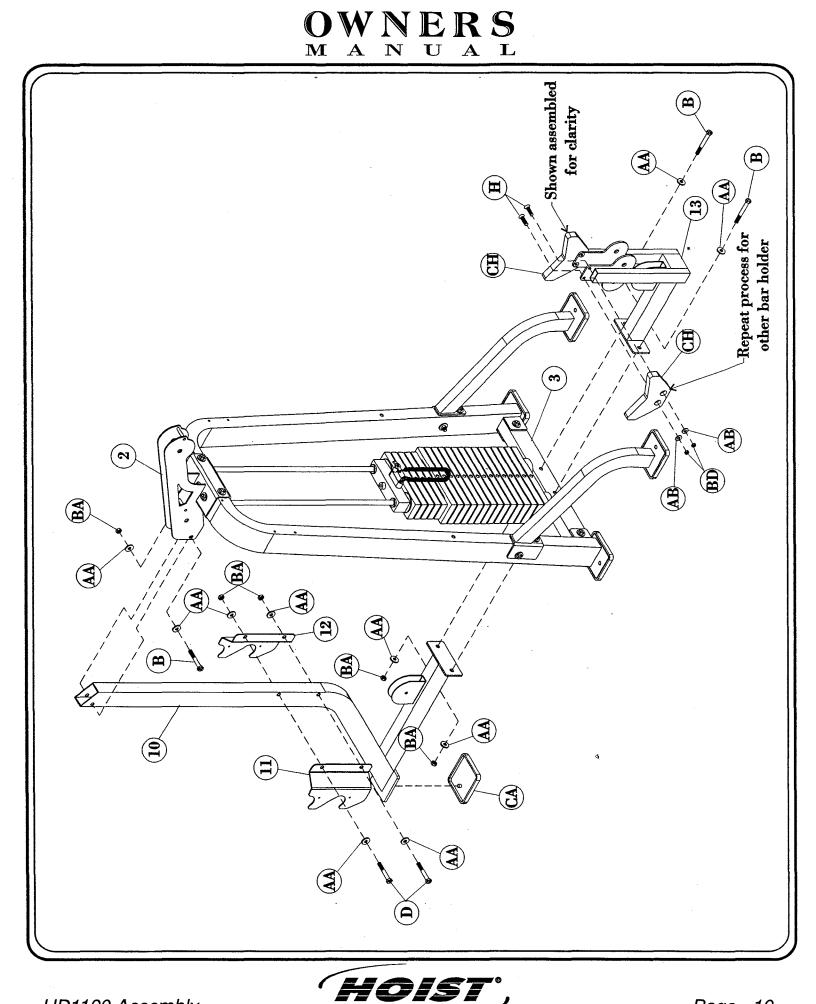
11 - Storage Rack (left)

12 - Storage Rack (right)

13 - Lower Pulley Mount

B - 1/2"-13UNC x 3" Hex Bolt D - 1/2"-13UNC x 2 3/4" Hex Bolt H - 3/8"-16UNC x 1 1/4" Flat Socket Head Screw AA - 1/2" Flat Washer AB - 3/8" Flat Washer BA - 1/2" Nylok Nut BD - 3/8" Nylok Nut CA - Rubber Foot Pad



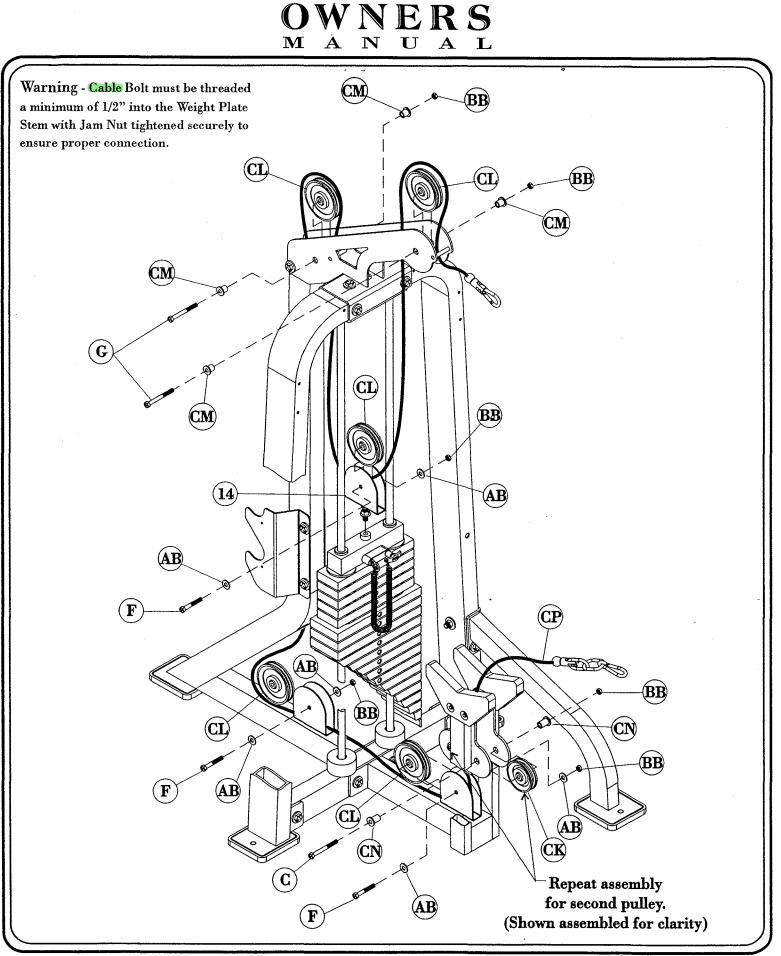




#### OWNERS $\mathbf{U}$ AL M $\mathbf{N}$ Step 3 **CABLE ASSEMBLY** NOTE: **BE SURE CABLE RUNS** BETWEEN THE PULLEY AND THE GUARD SHAFT. **Part Descriptions** 0 14 - Cable Anchor, Adjustable Hardware Descriptions WARNING: CABLE BOLT MUST BE THREADED A MINIMUM OF 1/2" INTO ITS C - 3/8"-16 UNC X 3 1/2" Hex Bolt RECEIVER WITH JAM NUT TIGHTENED F - 3/8"-16 UNC x 1 3/4" Hex Bolt SECURELY TO ENSURE PROPER CONNECTION. G - 3/8"-16 UNC x 3" Hex Bolt AB - 3/8" Flat Washer FINE TUNING LOOSEN JAM NUT AND THREAD BB - 3/8" Nylok Nut BOLT IN/OUT TO GIVE THE CABLE PROPER TENSION. RE-TIGHTEN CK - 3 1/2" Pulley JAM NUT. CL - 4 1/2" Pulley CM - 11/16" Flanged Pulley Spacer CN - 1.00" Heavy Flanged Spacer CP - Bicep/Tricep Cable 0 0 (14 180 5/16" (4580mm)-



#### HD1100 Assembly





# Step 4

SHIELD ASSEMBLY

Attach (15), (CS), and (CT) as shown. Wrench Tighten bolts.

# \*IMPORTANT\*

Now that the Hd1100 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 retighten bolts.

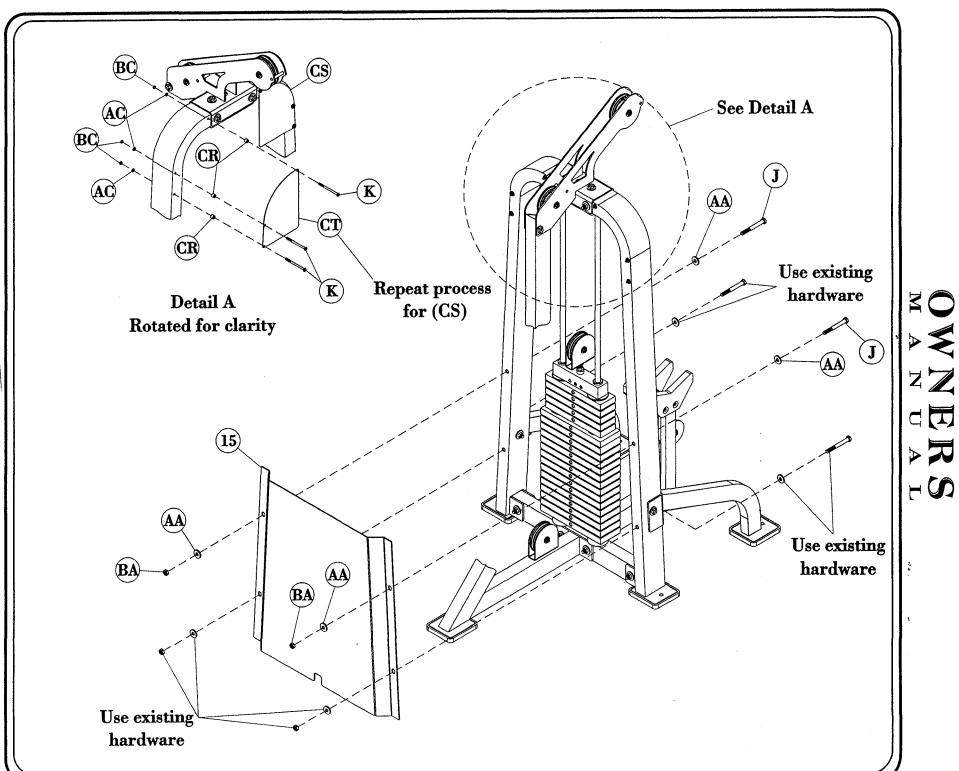
#### Part Descriptions

15 - Frame Shield

#### Hardware Descriptions

J - 1/2"-13 UNC x 4 1/2" Hex Bolt K - 1/4"-24 UNF x 5" Button Head Bolt AA - 1/2" Flat Washer AC - 1/4" Flat Washer BA - 1/2" Nylok Nut BC - 1/4" Nylok Nut CR - Spacer CS - Placard (Right) CT - Placard (Left)







## Step 5 PRE-ASSEMBLY

### Part Descriptions

9 - 8 ¼ lb Top Plate
11 - Storage Rack (Left)
12 - Storage Rack (Right)
13 - Lower Pulley Mount
14 - Cable Anchor, Adjuster
16 - 21 Plate Selector Stem

#### **Hardware Descriptions**

**BE - 1/2**" Jam Nut

- CC Landyard/Selector Pin Stand Off
- CD Selector Pin

**CE - Lanyard Coil** 

**CJ** - Guide Rod Bushing

CQ - 7/16" Roll Pin x 2 3/4" LG

CV - Dumb Bell Cradle (Left)

CW - Dumb Bell Cradle (Right)

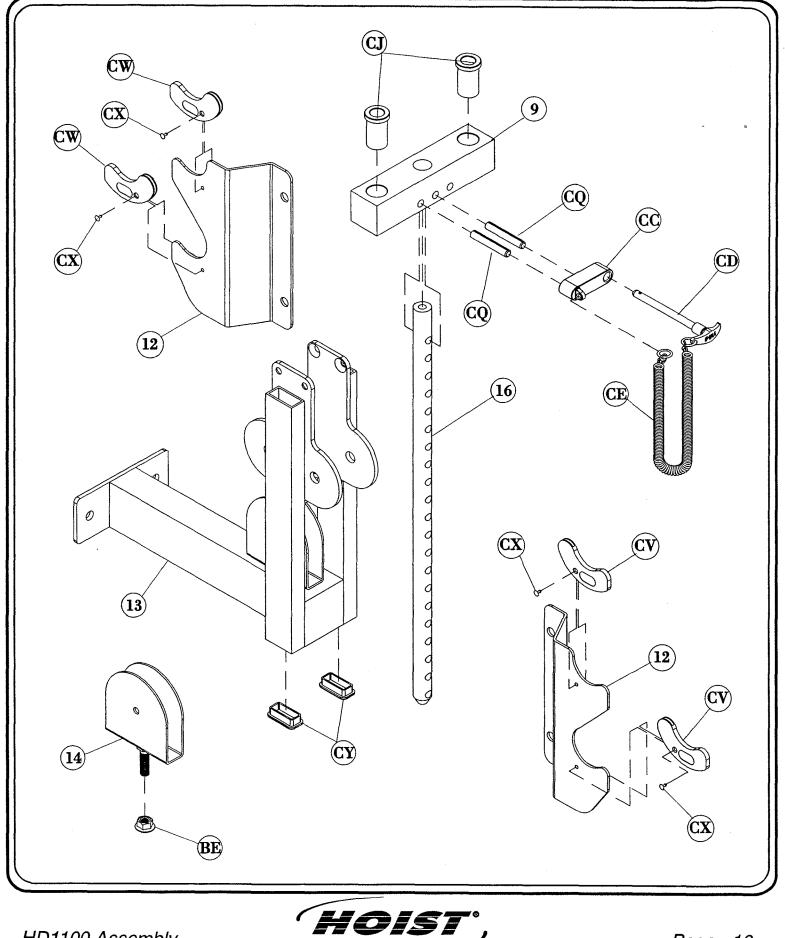
**CX** - Push Fastener

CY - End Cap 25mm x 50mm



OWNERS MANUA NUA

L





## PARTS LISTING

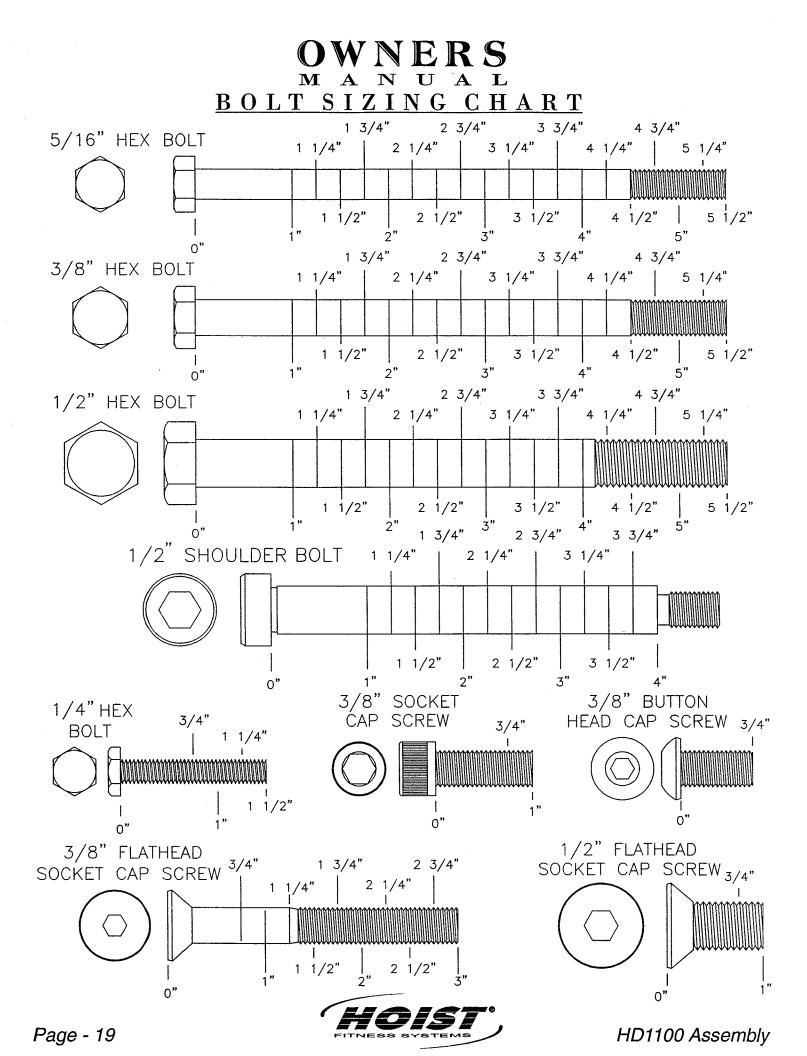
Key#	Qty.	Part Number	Description
1	2	026-01X0864	Weight Frame Upright
2	1	026-01X0816	Top Pulley Mount
3	1	026-01T0545	Weight Stack Mount
4	1	026-01X0867	Left Side Support
5	1	026-01X0868	Right Side Support
6	2	026-01G0159	Guild Rod
7	15	026-01W0101	12 1/2 LB Intermediate Plate
8	5	026-01W0102	8 1/4 LB Intermediate Plate
9	1	026-1300034	8 1/4 LB Top Plate
10	1	026-01X0815	Back Bone
11	1	026-01P0827	Storage Rack (left)
12	1	026-01P0828	Storage Rack (right)
13	1	026-01X0812	Lower Pulley Mount
14	1	026-01X0926	Cable Anchor, Adjustable
15	1	026-1100089	Frame Shield
16	1	026-01W0110	21 Plate Selector Stem



## HARDWARE LISTING

	<u>Key #</u>	<u>Qty.</u>	Part Number	Description		
	Α	4		1/2"-13UNC x 4 3/4" Hex Bolt (WZ)		
	В	5	011-0101019	1/2"-13UNC x 3" Hex Bolt (WZ)		
	C	2		3/8"-16UNC x 3 1/2" Hex Head Bolt (WZ)		
	D	4		1/2"-13UNC x 2 3/4" Hex Bolt (WZ)		
	Ε	2		1/2"-13UNC x 3 1/4" Hex Bolt (WZ)		
	F	3		3/8"-16UNC x 1 3/4" Hex Bolt (WZ)		
	G	2		3/8"-16UNC x 3" Hex Bolt (WZ)		
	Ĥ	4	011-0002034	3/8"-16UNC x 1 1/4" Flat Head Screw (WZ)		
	J	2		1/2"-13UNC x 4 1/2" Hex Bolt (WZ)		
	ĸ	6		1/4"-24UNF x 5" Button Head Screw (WZ)		
	L	2	011-0311012	5/16"-18UNC x 5/16" Socket Set Screw (WZ)		
	AA	34	013-0102003	1/2" Washer		
	AB	10	013-0002004	3/8" Washer		
	AC	6	013-0002003	1/4" Washer		
	~~	Ū	0100002000			
	BA	17	012-0304011	1/2" Nylok Nut (Thin)		
	BB	7	012-0104008	3/8" Nylok Nut (Thin)		
	BC	6	012-0104009	1/4" Nylok Nut		
	BD	4	012-0004004	3/8" Nylok Nut		
	BE	1	26-STD-05-0274	1/2" Jam 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		
	ČG	1	026-01P0819	Guide Rod Top Mount		
	CH	2	026-01PL275	Cradle		
	CJ	2	026-01PL134	Guide Rod Bushing		
	СК	2	26-STD-06-0024	3 1/2" Pulley		
	CL	5	26-STD-06-0025	4 1/2" Pulley		
	CM	4	26-STD-08-0067	11/16" Flanged Spacer		
	CN	4	26-STD-08-0066	1.00" Heavy Flanged Spacer		
	CP	1	026-01C240T	HD1100 Bicep/Tricep Cable		
	CQ	2		7/16" Roll Pin x 2 3/4" LG		
	CR	6	026-01PL290	Spacer		
	CS	1	021-0013089	HD1100 Placard (Right)		
	СТ	1	021-0013090	HD1100 Placard (Left)		
	CV	2	026-01PL258	Dumb Bell Cradle (Left)		
	CW	2	026-01PL260	Dumb Bell Cradle (Right)		
	CX	4	026-01PL259	Push Fastener		
	CY	2	26-STD-06-0055	End Cap 25mm x 50mm		
		A				
<u>ACCESSORY LISTING</u>						
<u>Qty. Part Number Description</u>						
			2 26-STD-0185	Bent Bar Assembly		

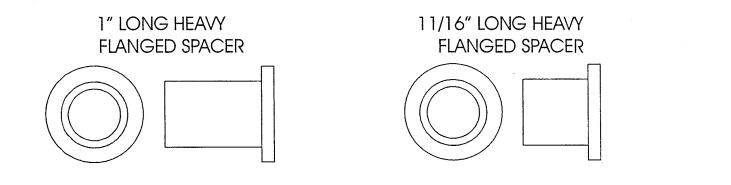


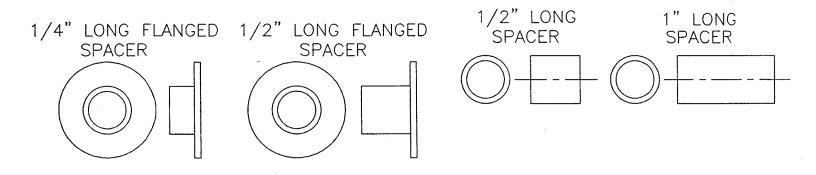


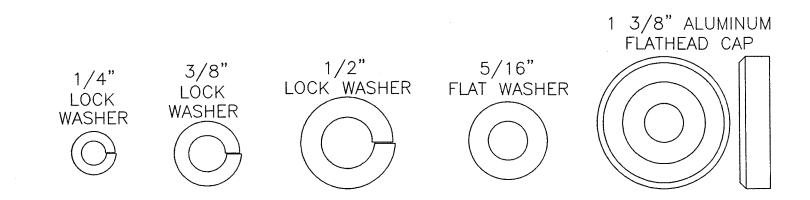
HD1100 Assembly



## OWNERS MANUAL WASHER SIZING CHART

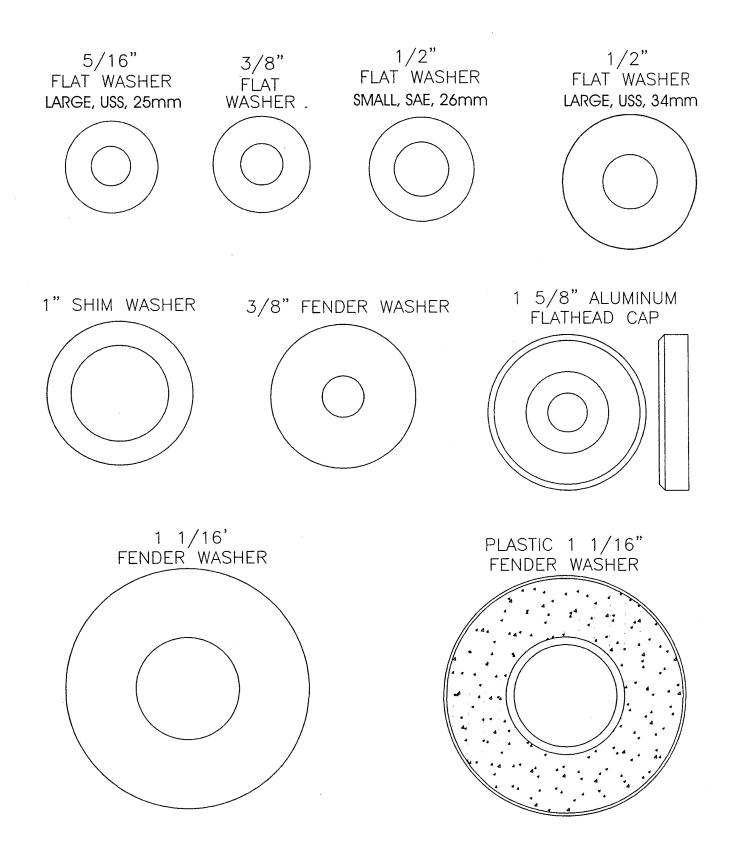








## WASHER SIZING CHART

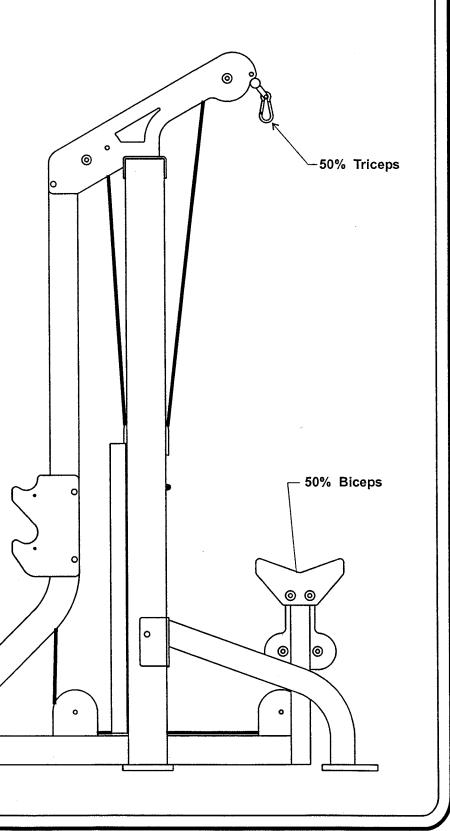




# WEIGHT RATIOS

100% 50%			
	7		
	11		
	15		
	19		
	23		
54	27		
66	33		
79	40		
91	46		
104	52		
116	58		
129	65		
141	71		
154	77		
166	83		
179	90		
191	96		
204	102		
216	108		
229	115		
241	121		
	66 79 91 104 116 129 141 154 166 179 191 204 216 229		

The chart above shows the standard weight stack for this unit. The weights listed are approximate and have been rounded off to the nearest pound. To find the actual weight you are lifting you would come down from the ratio being used and across from the number of the weight plate you have pinned. Hoist reserves the right to modify the weight stack from the one shown without prior notice.







 $\bigcup_{\mathbf{M}} \underset{\mathbf{A}}{\mathbf{N}} \underset{\mathbf{N}}{\mathbf{N}} \underset{\mathbf{U}}{\mathbf{E}} \underset{\mathbf{A}}{\mathbf{R}} \underset{\mathbf{L}}{\mathbf{S}}$ 

#### HD1100 Assembly

### 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.

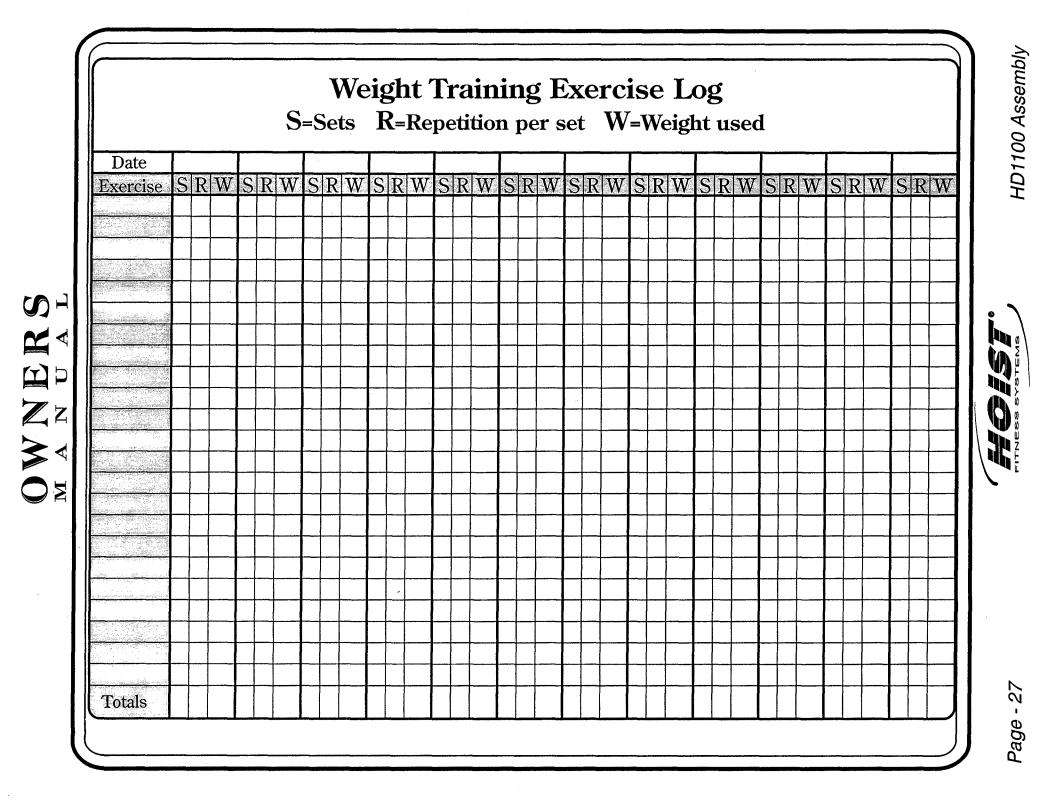


•

a . . .

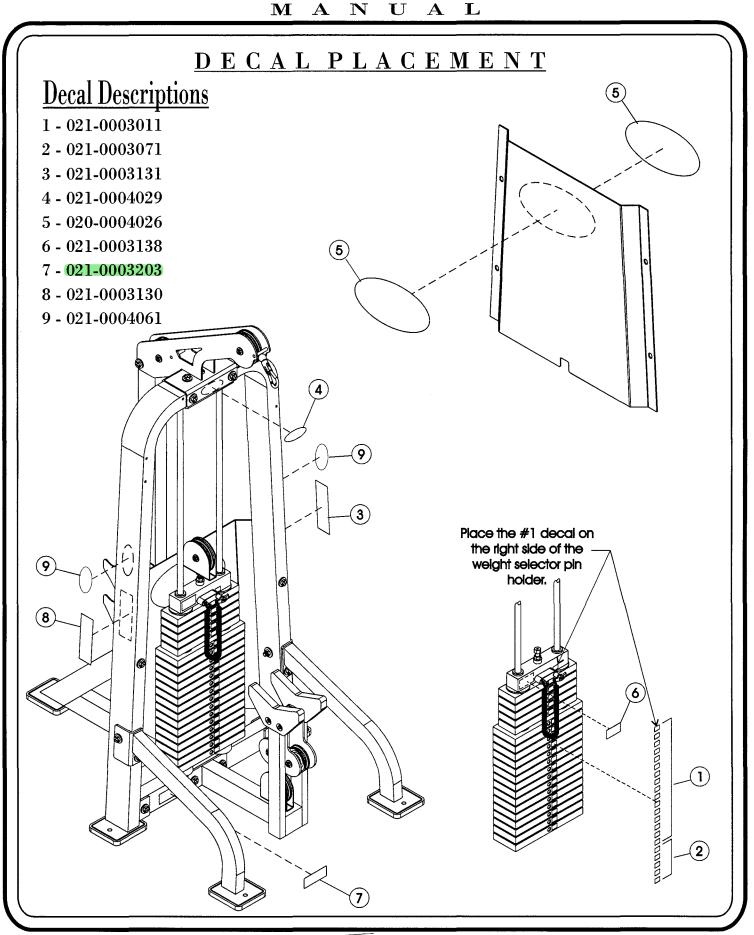
HD1100 Assembly





HD1100 Assembly







HD1100 Assembly

## **DECAL PLACEMENT**

SERIAL # DECAL; Always refer to the number Shown on your piece of equipment when talking to customer service or ordering parts.



03-02-000000

021-0003203



021-0004029



<u>021-0004061</u>

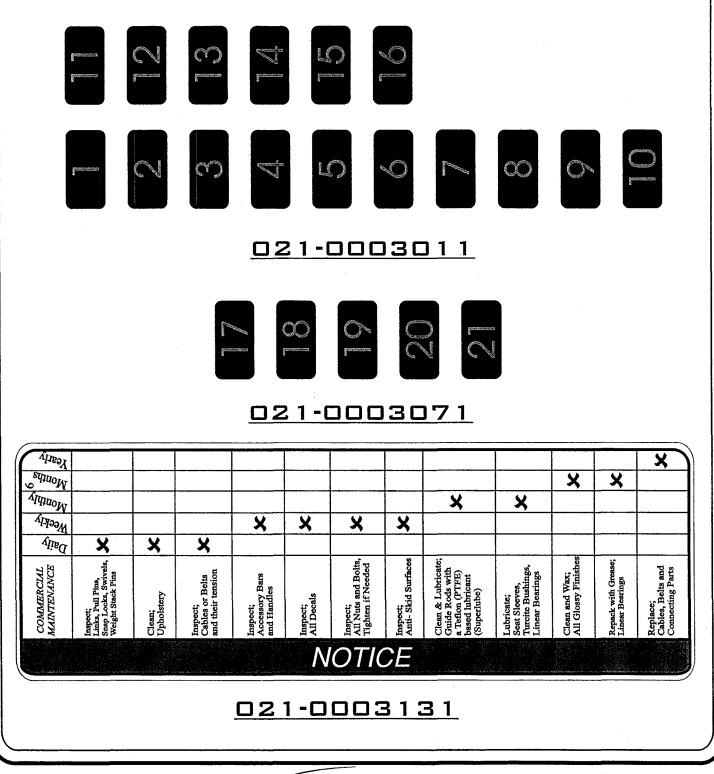


021-0003138



## **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.







#### 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		o						
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			ä					
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 cables 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

HOIST