

Note: Both Serial Number and Model Number are Required when Ordering Parts

RECORD SERIAL NUMBER HERE

CATALOG NUMBER

0504-002

Customer Service

(800) 548-5438

(858) 578-7676

Fax

(858) 578-9558

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Step 1 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

1/2", 9/16" and 3/4" Sockets

Crescent Wrench

Rubber Mallet

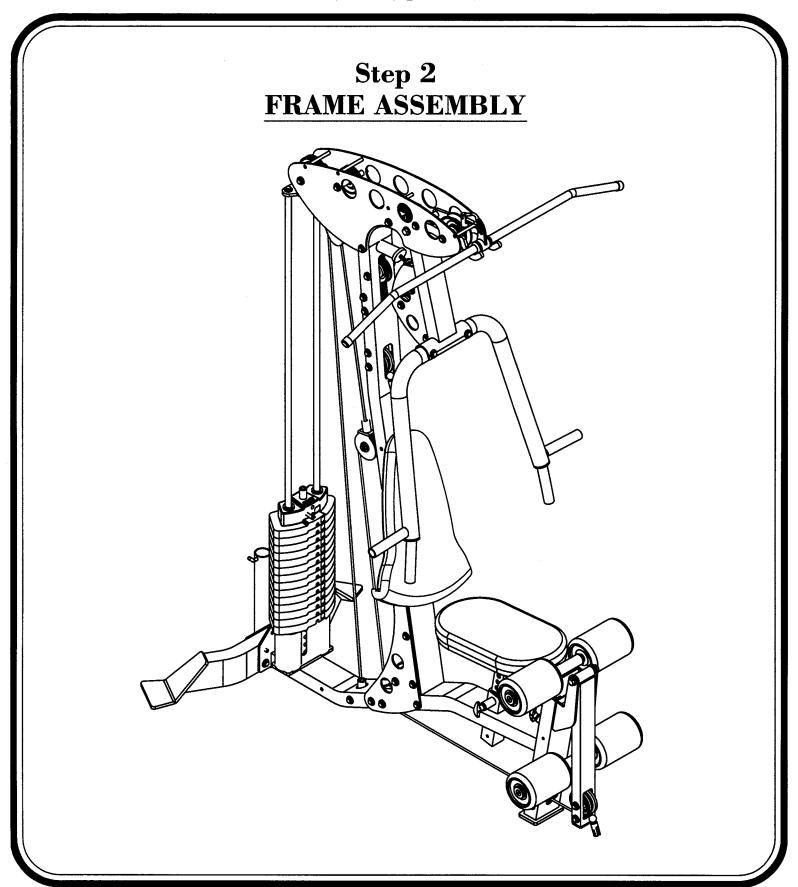
Tape Measure

Level

Allen Wrench Set







Step 2a FRAME ASSEMBLY

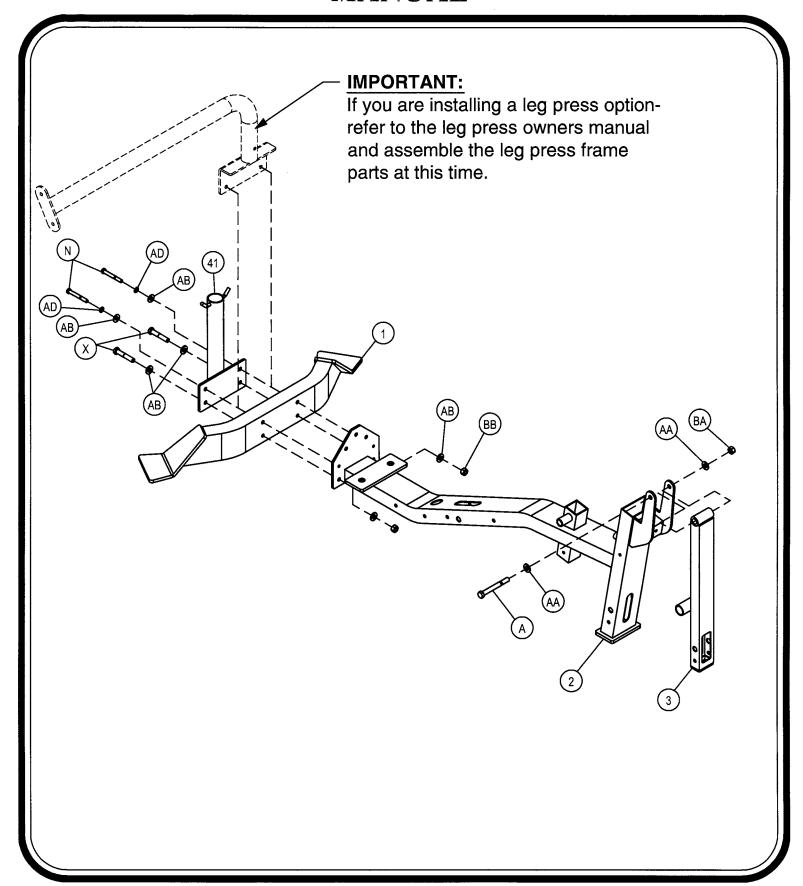
Start assembly by bolting (1) and (41) to (2). <u>Wrench Tighten bolts</u>. Then attach (3) to (2). Wrench Tighten bolts then loosen nut enough for (3) to pivot freely.

Part Descriptions

- 1 Rear Support Foot
- 2 Main Base Support
- 3 Leg Extension Arm
- 41 Accessory Rack

Hardware Descriptions

- $A 1/2 13UNC \times 4" HHB (WZ)$
- N 3/8-13UNC x 3" HHB (WZ)
- X 3/8-16UNC $\times 3 1/4$ " HHB (WZ)
- AA 1/2 SAE Flat Washer (WZ)
- AB 3/8 USS Flat Washer (WZ)
- AD 3/8 Split Lock Washer (WZ)
- BA 1/2-13UNC Thin Nylok Nut (WZ)
- BB 3/8-16UNC Thin Nylok Nut (WZ)



Step 2b FRAME ASSEMBLY

Start assembly by bolting (17) to (2). Only Thread Bolt Halfway. Next, slide (DB)'s, (CA)'s, (15)'s and (25) onto (17)'s.

Part Descriptions

2 - Main Base Support

15 - 10 lb Radial Loc® Weight Plate

17 - Guide Rod ($\emptyset 0.75$ " x 71.44" lg.)

18 - 21 Hole Weight Selector Stem

25 - Radial Loc® Top Weight

Hardware Descriptions

 $F - 3/8-16UNC \times 1 1/4" HHB (WZ)$

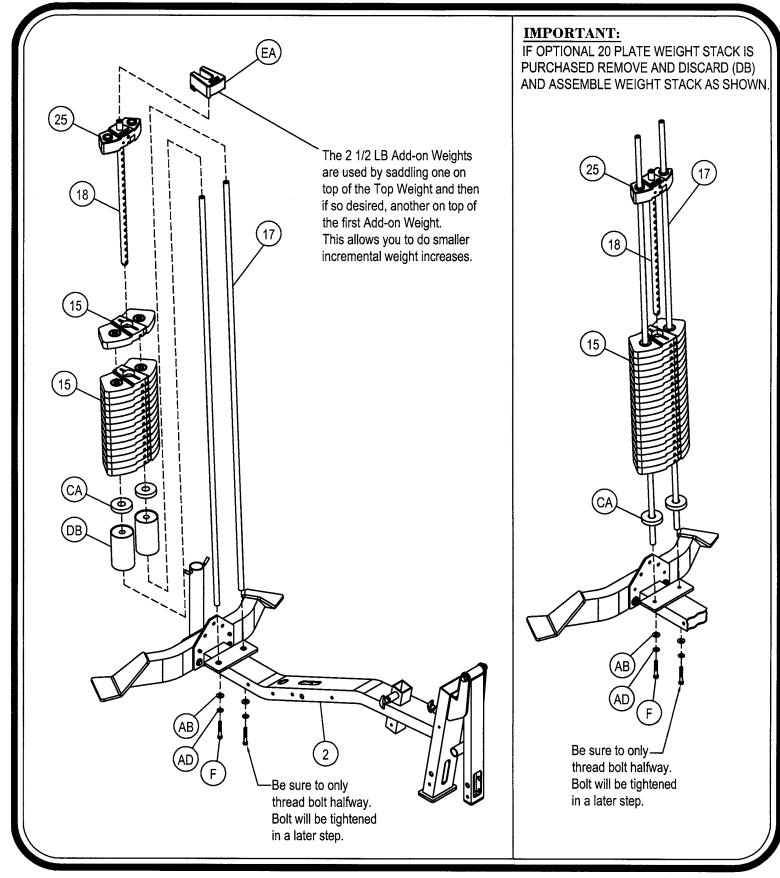
AB - 3/8 USS Flat Washer

AD - 3/8 Split Lock Washer (WZ)

CA - Weight Stack Bumper

DB - Weight Stack Stand Off

EA - Add On Weight





Step 2c FRAME ASSEMBLY

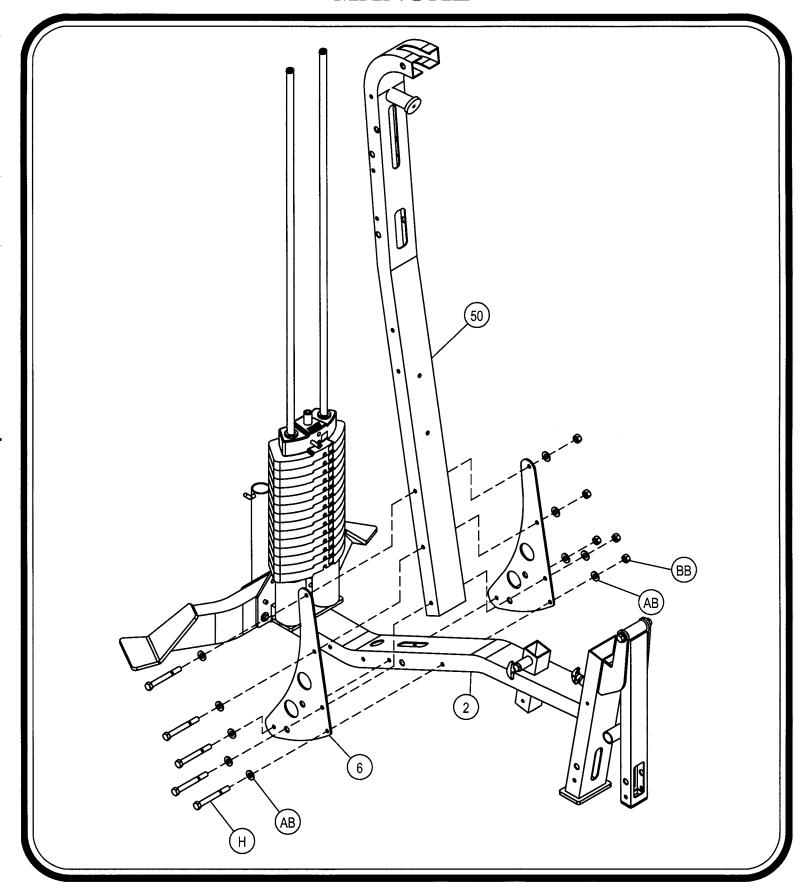
Attach (6)'s to both sides of (2). Next place (50) in between both (6)'s and attach. <u>Hand Tighten Bolts</u>, they will be wrench tightened in a later step.

Part Descriptions

- 2 Main Base Support
- 6 Gusset Plate
- 50 Main Upright

Hardware Descriptions

- $H 3/8"-16UNC \times 5" HHB (WZ)$
- AB 3/8" USS Flat Washer
- BB 3/8"-16 Thin Nylok Nut (WZ)



Step 2d FRAME ASSEMBLY

In this assembly start with Step 1 and attach (14) to (50) by inserting (22)'s. In Step 2 secure (14) to (50) with (H). (17)'s may need to be tilted back out of the way to allow (H) to be inserted. Finally in Step 3 attach (17)'s to (14). Wrench Tighten all bolts up to this step.

Part Descriptions

14 - Top Assembly

17 - Guide Rod

22 - 1.69" Heavy Flanged Spacer

50 - Upright Assembly

Hardware Descriptions

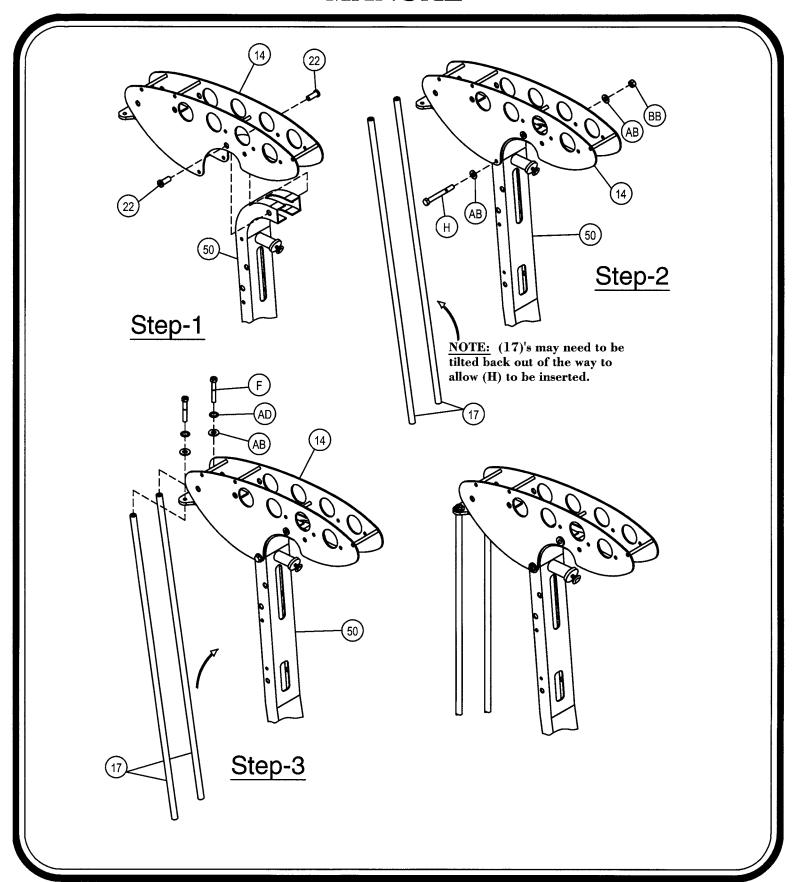
 $F - 3/8-16UNC \times 1 1/4" HHB (WZ)$

 $H - 3/8-16UNC \times 5" HHB (WZ)$

AB - 3/8 USS Flat Washer (WZ)

AD - 3/8 Split Lock Washer

BB - 3/8-16UNC Thin Nylok Nut (WZ)



Step 2e FRAME ASSEMBLY

In Step E-1, start assembly by sliding (24) in (51) and attach (51) to (14). Wrench Tighten bolts then loosen nut enough so (51) pivots freely. In step E-2 attach the backside of (12) to (14). Let the front of (12) hang downward, it will be assembled in a later step. Hand Tighten bolt it will be tightened in a later step. In Steps E-3 and E-4 attach (52) to (51) as shown. Wrench Tighten bolts.

Part Descriptions

12 - Lat Bar Mount

14 - Top Assembly

24 - 1" Dia. Shaft

51 - Upper Press Arm Pivot

52 - Press Arm

Hardware Descriptions

B - 1/2-13UNC x 5" HHB (WZ)

 $H - 3/8-16UNC \times 5" HHB (WZ)$

 $M - 3/8-16UNC \times 2 1/2" HHB (WZ)$

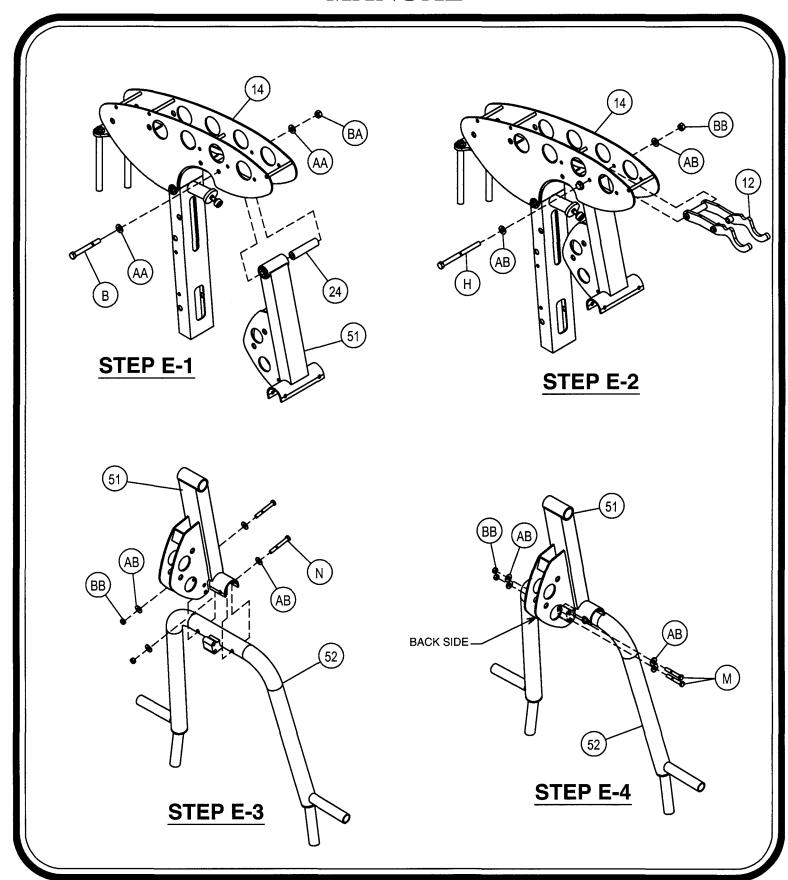
N - 3/8-16UNC x 3" HHB (WZ)

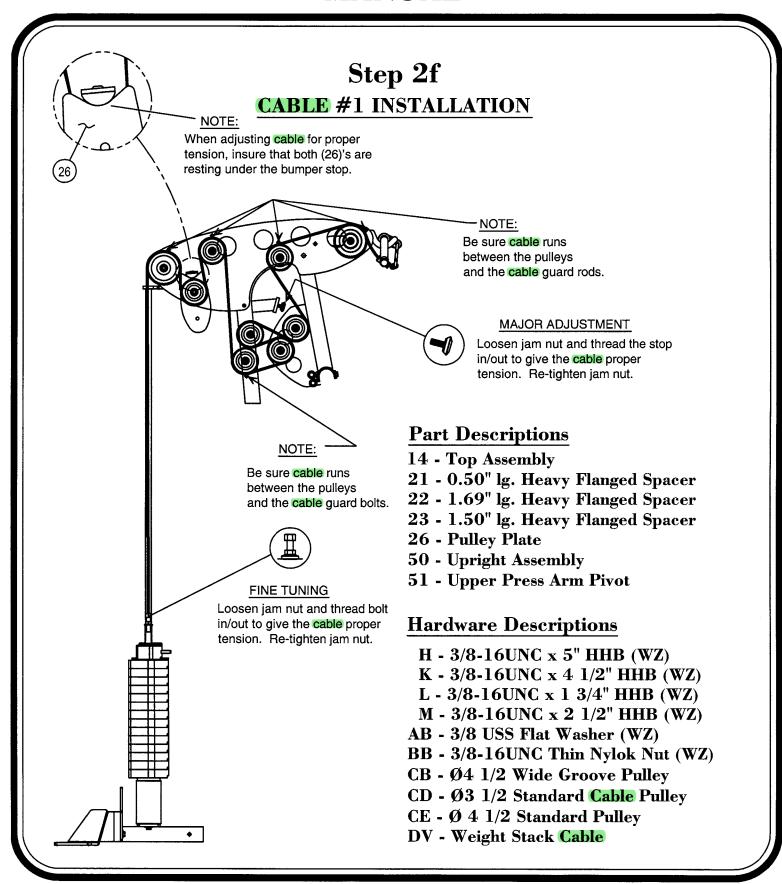
AA - 1/2 SAE Flat Washer

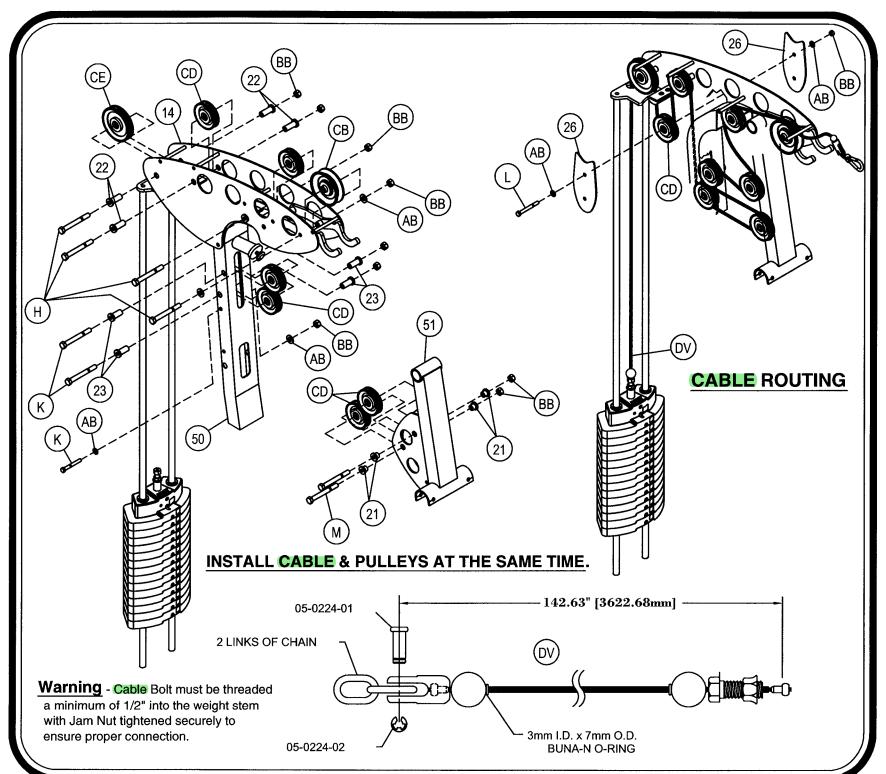
AB - 3/8 USS Flat Washer (WZ)

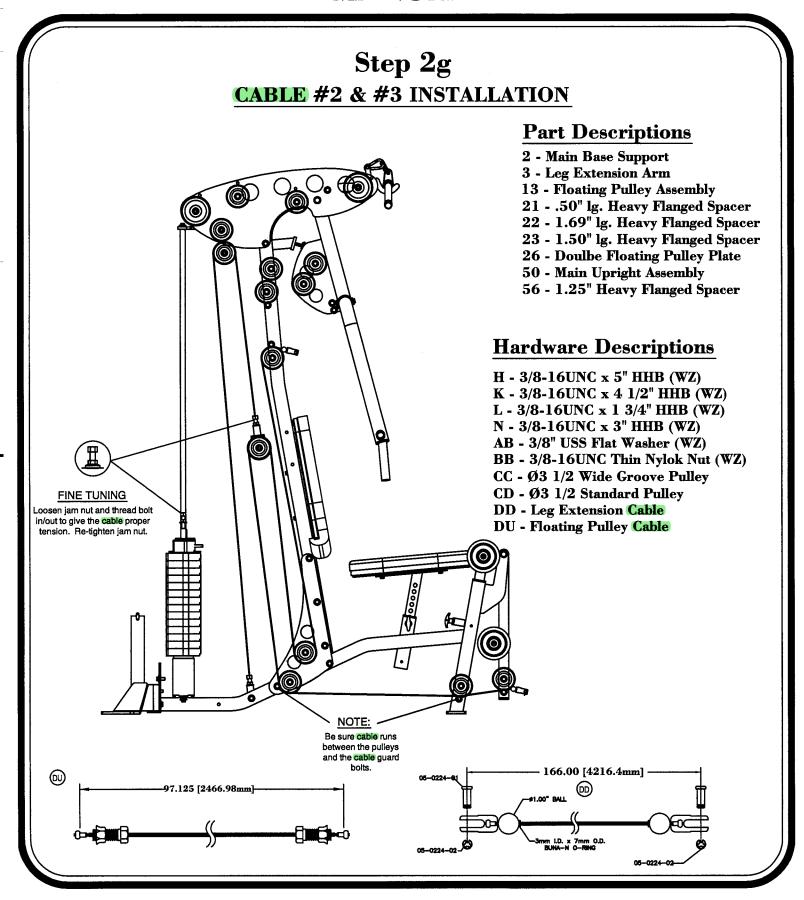
BA - 1/2-13UNC Thin Nylok Nut (WZ)

BB - 3/8-16UNC Thin Nylok Nut (WZ)

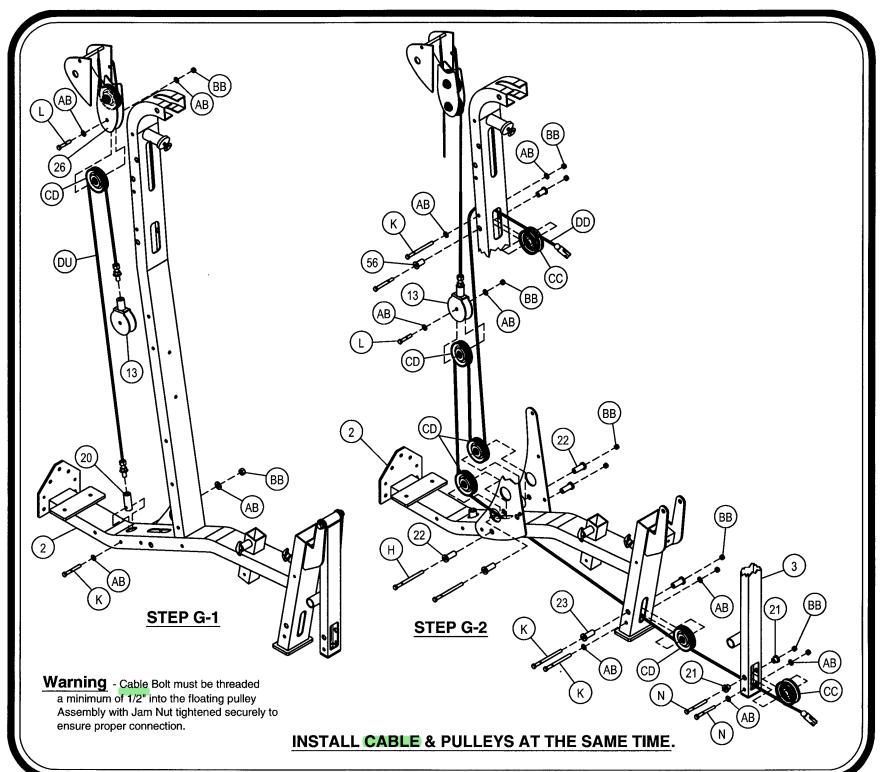














Step 2h PAD ASSEMBLY

Start assembly by sliding (CF)'S and (5) into (3), and (CF)'s and (5) into (48) as shown. Next insert (CQ)'s into both sides of (8)'s and slide (8)'s onto both sides of (5)'s. Wrench Tighten bolts.

Part Descriptions

3 - Leg Extension Arm

5 - 18.69" lg. Roller Bar

8 - Roller Pad

19 - Aluminum Cap 2.00" O.D. x .31" thk

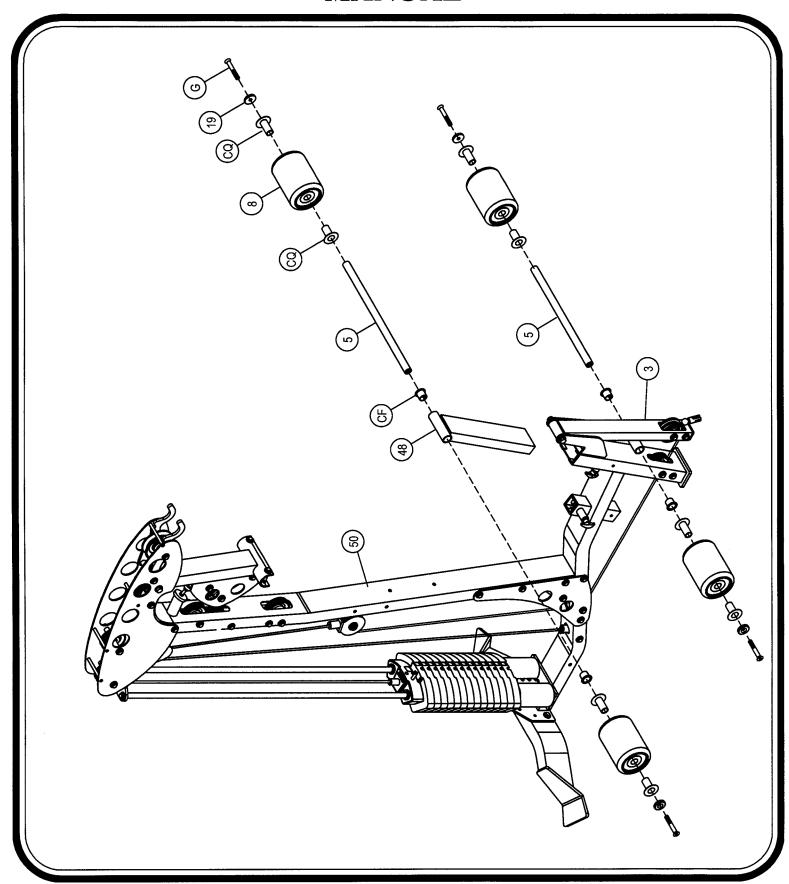
48 - Roller Pad Adjsuter

Hardware Descriptions

 $G - 3/8-16UNC \times 1 1/4$ " FHS (WZ)

CF - Nyliner Bushing

CQ - Roller Pad Bushing



Step 2i PAD ASSEMBLY

Start assembly by attaching (7) to (4). Now slide (4) into (2) and fasten (27) to (50). Wrench Tighten bolts.

Part Descriptions

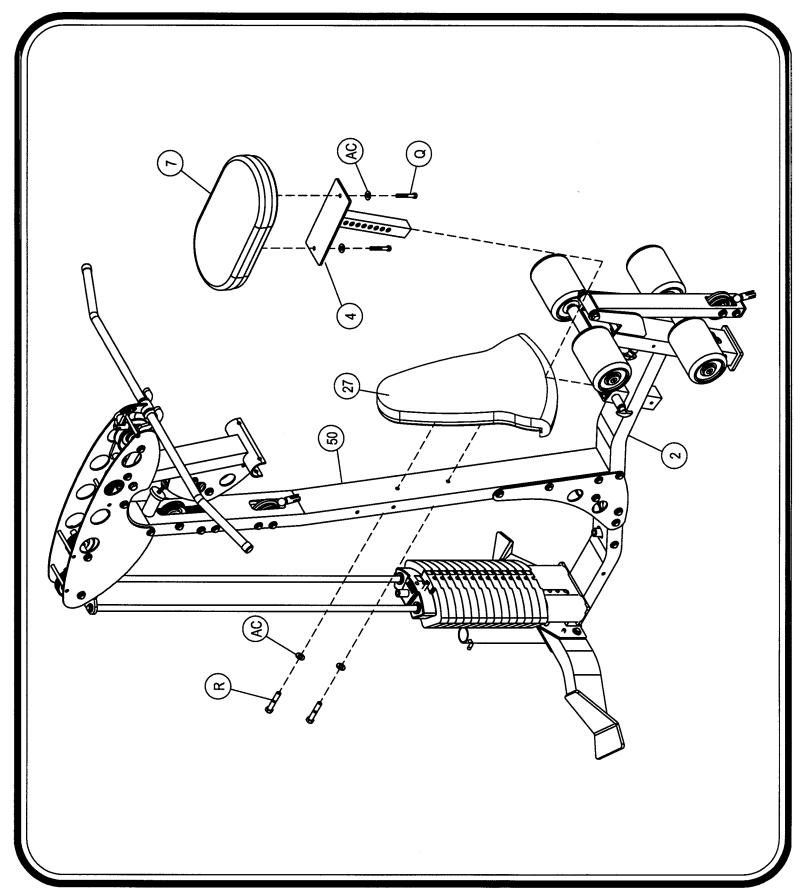
- 2 Main Base Support
- 4 Seat Assembly
- 7 Seat Pad
- 27 Back Pad Assembly
- 50 Upright Assembly

Hardware Descriptions

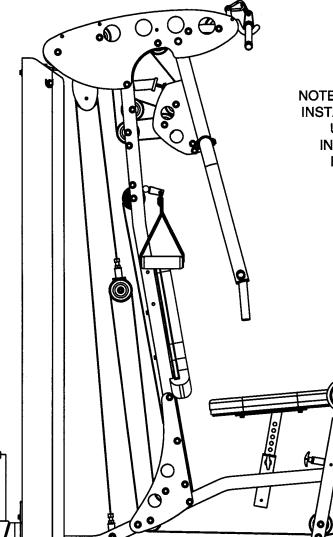
 $Q - 5/16-18UNC \times 1 1/4" HHB (WZ)$

 $R - 5/16-18UNC \times 3" HHB (WZ)$

AC - 5/16" SAE Flat Washer (WZ)

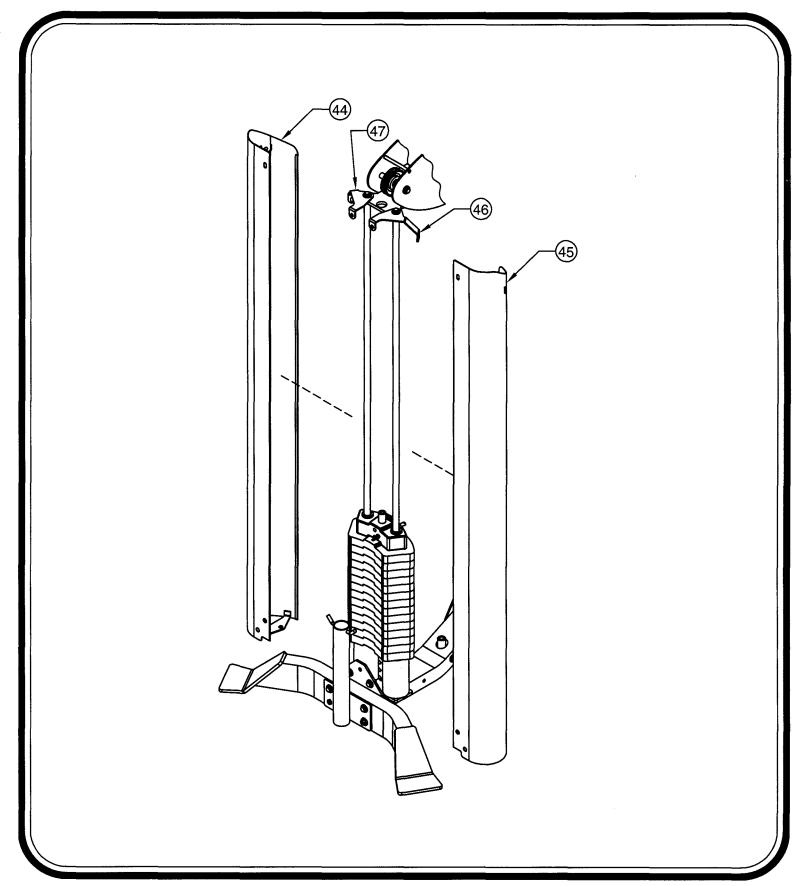


SHIELD ASSEMBLY



NOTE: IF SHIELDS ARE TO BE INSTALLED ON YOUR V-UNIT, USE THE ASSEMBLY INSTRUCTIONS ON THE FOLLOWING PAGES.

Key#	Qty.	Part Number	Description
44	1	026-01X1442	Right Shield
45	1	026-01X1443	Left Shield
46	1	026-01P1450	Left Bracket
47	1	026-01P1451	Right Bracket
Y	6	011-0007035	$3/8-16 \times 3/4$ " HHB (WZ)
$\overline{\mathbf{AB}}$	10	013-0002004	3/8" USS Washer (WZ)
AD	f 2	013-0102020	3/8" Split Lock Washer (WZ)
BB	4	012-0104009	3/8-16 Nylok Nut (WZ)



SHIELD ASSEMBLY STEP 1A & 1B

Start assembly by removing existing hardware as shown in Step 1a. Attach (47) and (46) and <u>Hand Tighten Bolts Only</u> using existing Hardware. Remove existing harware as shown in Step 1b and set aside for a later step.

Part Descriptions

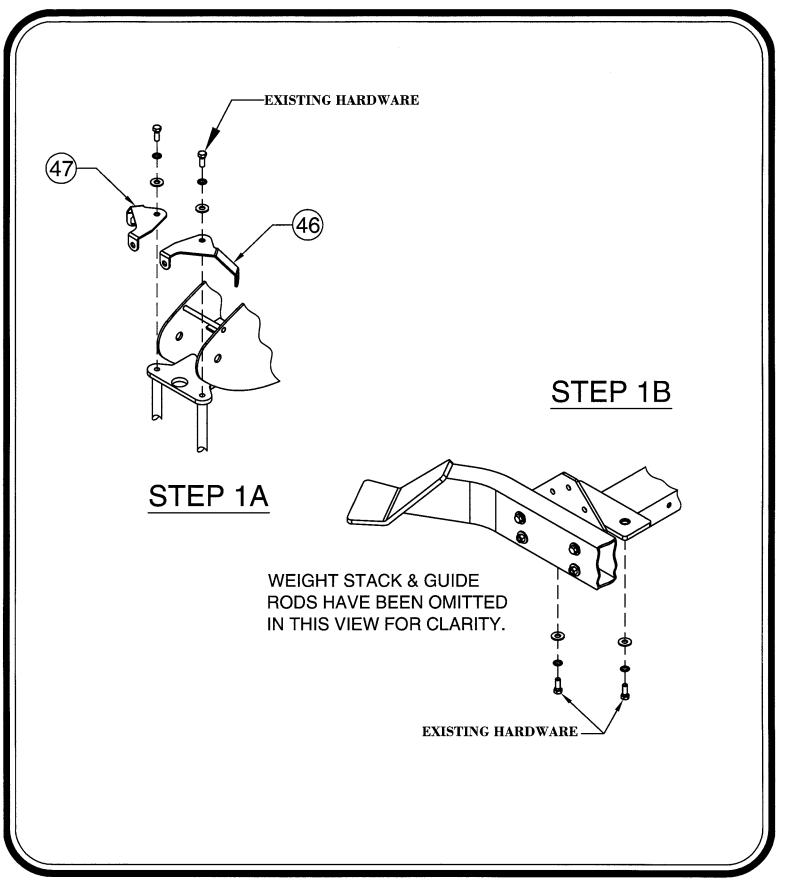
46 - Left Bracket

47 - Right Bracket

Hardware Descriptions

Use Existing Hardware





SHIELD ASSEMBLY STEP 2A & 2B

In this step, attach the top of the shields (45) to (46), and (44) to (47), as shown. <u>Hand Tighten bolts only</u> they will be tightened in a later step.

Part Descriptions

44 - Right Shield

45 - Left Shield

46 - Left Bracket

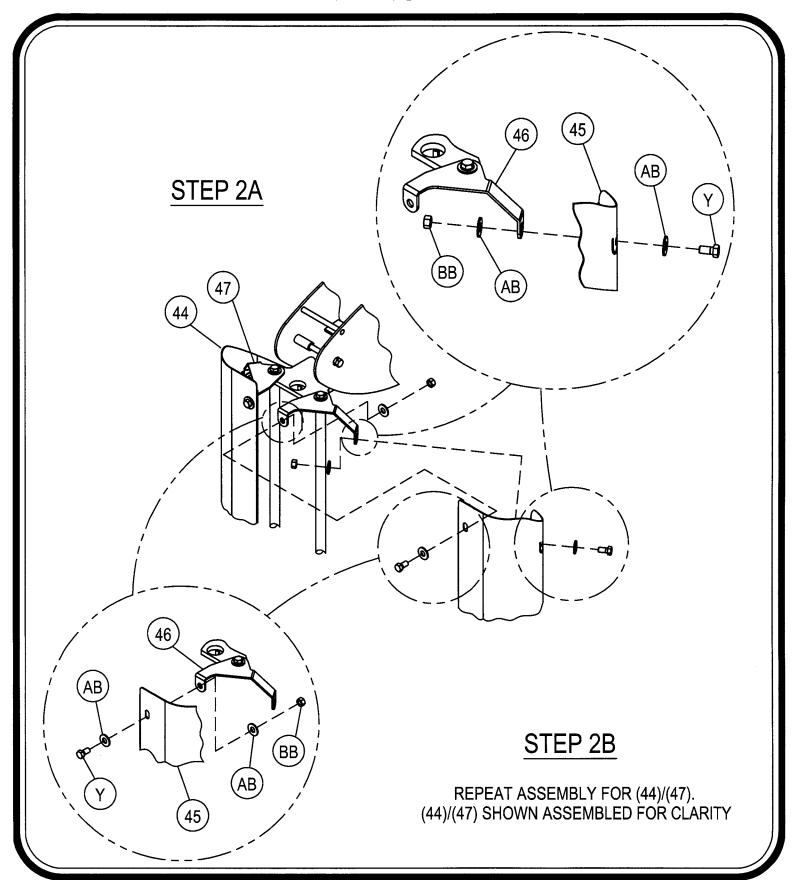
47 - Right Bracket

Hardware Descriptions

 $Y - 3/8-16UNC \times 3/4" HHB (WZ)$

AB - 3/8" USS Flat Washer (WZ)

BB - 3/8-16UNC Thin Nylok Nut (WZ)



SHIELD ASSEMBLY STEP 3A & 3B

Start assembly by aligning hole of bracket on (45) to hole on weight stack plate, and attach with existing hardware. Be sure that the bracket on (45) is mounted to the bottom of the weight stack plate. Finish by installing bolts (Y). <u>Wrench Tighten</u> these and previously hand tightened bolts.

Part Descriptions

44 - Right Shield

45 - Left Shield

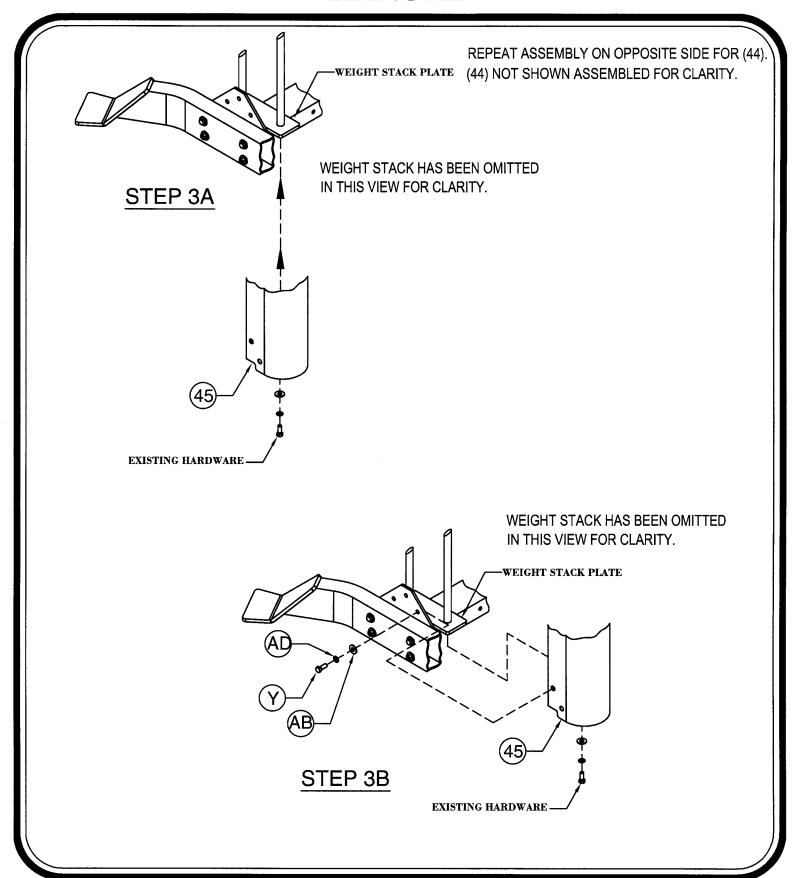
Hardware Descriptions

Use Existing Hardware

 $Y - 3/8-16 \times 3/4"$ HHB (WZ)

AB - 3/8 USS Flat Washer

AD - 3/8 Split Lock Washer



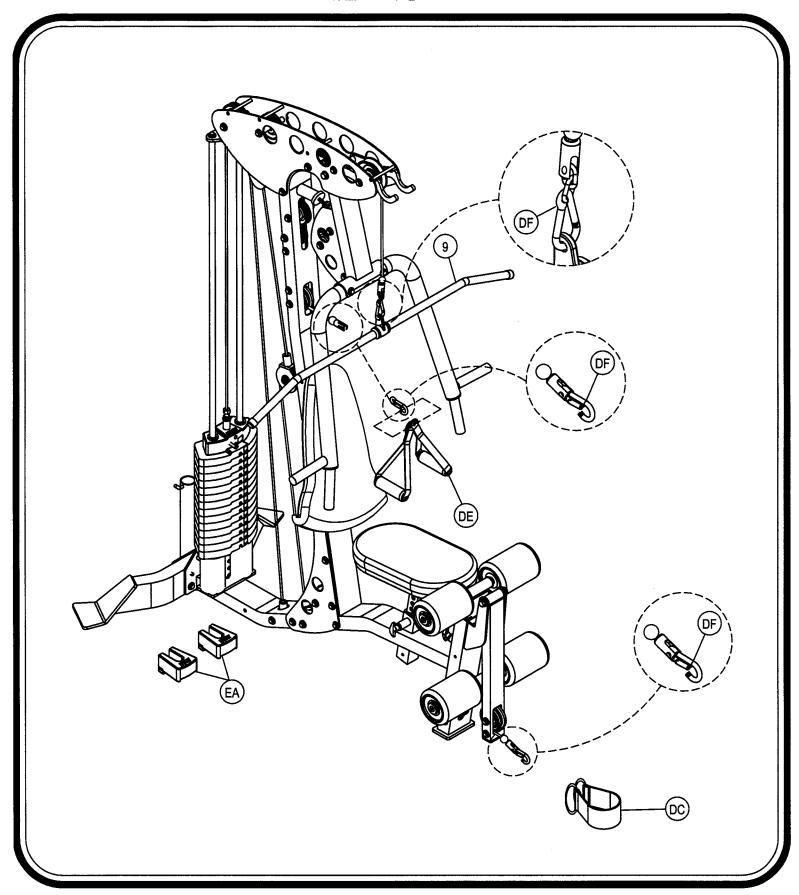
ACCESSORIES

Key#	Qty.	Part Number	Description
9	1	026-01X1119	Aluminum Lat Bar
DC	1	022-008033	Ankle Strap
DE	2	022-0008032	Strap Handle
\mathbf{DF}	3	020-0010002	Snap Link
EA	${f 2}$	26-STD-SWADDON2	Add On Weight

MISCELLANEOUS ITEMS

Qty.	<u>Part Number</u>	<u>Description</u>	
1	021-0003159	Alert Wall Poster	
2	023-0511006	Super Lube	
		Exercise Chart	
		Accent Touch Up Paint	
		Base Touch Up Paint	







PRE-ASSEMBLY

Part Descriptions

- 2 Main Base Support
- 3 Leg Extension Arm
- 4 Seat Assembly
- 10 1/2" Short Pullpin (Hex Head) Assy.
- 14 Top Assembly
- 15 10 lbs. Intermediate Radial Loc® Weight Plate
- 18 21 Hole Stem
- 25 Radial Loc® Top Weight
- 28 Lanyard Pin
- 41 Accessory Rack
- 48 Roller Pad Assembly
- 50 Upright Assembly
- 51 Upper Press Arm Pivot
- 52 Press Arm

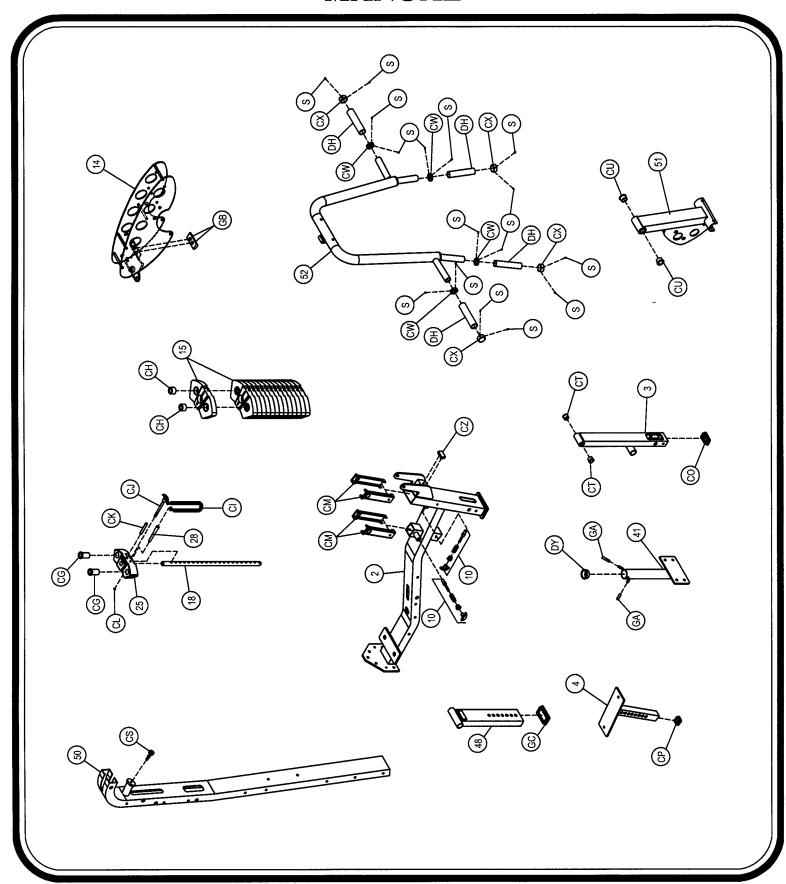
Hardware Descriptions

- $S 10-32 \times 1/8$ " Set Screw
- **CG** Guide Rod Bushing
- CH Press Fit Cast Weight Bushing
- CI Lanyard Coil
- CJ Selector Pin
- CK 7/16" dia. x 3" Roll Pin
- CL Lanyard Pin C-Clip
- CM EZ Glide Sleeve
- CO 1 1/2" X 2 1/2" End Cap
- CP 1 1/2" x 1 1/2" End Cap
- CS Adjustable Stop With Jam Nut
- CT 1/2" Flanged Oilite
- CU 1" Flanged Oilite
- CW 1.28" I.D. Aluminum Ring
- CX 1.28" I.D. Aluminum Cap
- CZ Dual Stem Plug Bumper
- DH- 1.188" I.D. x 4.50" lg. Rubber Grip
- **DY- Delrin Bushing**
- GA Ø.375 x 1.60lg Vinyl Sleeve
- GB Bumper, Half Round, Dual Stem
- GC 1 1/2" X 3 1/2" End Cap

IMPORTANT

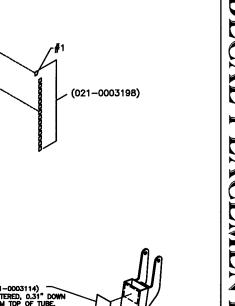
Now that the V-1 machine is completely assembled take time to assure that your unit is assembled square and perpendicular. To check this use a Level to check that the guide rods are perpendicular in both directions. If they are not perpendicular in both directions, it will be necessary to loosen some Frame hardware to re-align the Frame and retighten bolts.

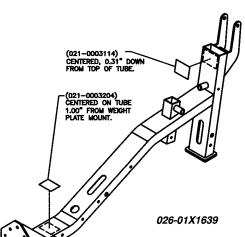


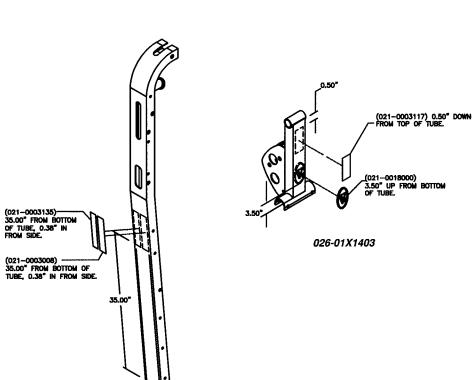




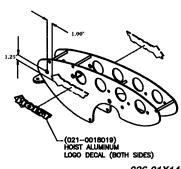
DECAL PLACEMENTS











026-01X1426



021-0003008



PING

021-0003114

DO NOT: HANG ON BAR USE BAR FOR CHIN-UPS **LEAVE BAR** DISCONNECTED

021-0003117

EWARNING

USE ONLY GENUINE HOIST REPLACEMENT

PARTS, FAILURE TO DO SO WILL VOID

ARRANTY 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.

READ & UNDERSTAND ALL
NOLOSED INSTRUCTIONS before
using this equipment.

e puspect equipment before ACHUSE Reprice all parts of the rist algos to lear or demage. If it tools about a certain part, 50 NOT as the opplement until the part is episied. Tailure to replace from or lamaged parts may result in injury.

3. FOLLOW BOUTINE MAINTENANCE SCHEDULE

4. CONSULT YOUR PHYSICIAN SEPORE STATUNG ARY EXERCISE PROGRAM. Warm up-properly before engaging in weight resistance training. Stop exercising-you led faint or dizzy.

5. TO PREVENT THE POSSIBILITY OP SCRIOUS BACKY, KEEP CLEAR OF ALL MOVING PARTS. TO Not attempt to free any jammed part by yourself, Obtain assistance, in order I

Take your time and do not rush the ercise. Practice proper breathing, EVER hold your breath.

CONCORER SHOULD NOT BE ALLOWED TO USE THIS ECLAPMENT. To avoid possible injury, dialdres should be least at a sale threate when this equipment is in use feetagers should not use this equipment without adult supervision.

CHILDREN SHOULD NOT BE

CALL YOUR AUTHORIZED

OSET PROPERTY OF A YOU have my questions on the proper use or painterance of this equipment.

d possible injury.

121-0003135



COMMERCIAL MAINTENANCE Links, Pull Pins, Snap Locks, DECAL Swivels, Weight Stack Uphoistery Inspect; Cables or Belts × Accessory Bars REFERENCE and Handles × All nuts and X **Bolts Tighten** if Needed. Lubricate; Guide Rods with a Teflon (PTFE) based lubricant (Superlube) Seat Sleeves. Turcite Bushings Linear Bearing Clean & Wax; × Repack with × Grease Linear

NOTICE

Inspect:

Pins Clean;

and their

tension

Inspect;

Inspect;

Inspect;

Inspect: Anti-Skid

Surfaces

Clean &

Lubricate;

All Glossy

Finishes

Bearings

Replace;

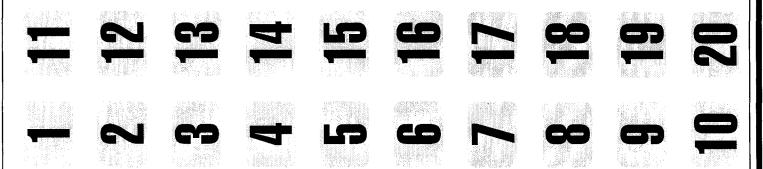
Cables, Belts and Connecting Parts.

All Decals

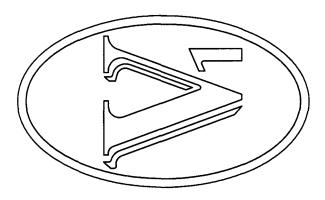
DECAL REFERENCE



021-0018019



021-0003198



021-0018000



1-800-548-5438 www.hoistfitness.com

03-3-000000

021 - 0003204

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



PART LISTING

Key#	Qty.	Part Number	<u>Description</u>
1	1	026-01X1419	Rear Support Foot
2	1	026-01X1639	Main Base Support
3	1	026-01X1421	Leg Extension Arm
4	1	026-01X1640	Seat Assembly
5	2	026-01X1425	18.69" lg. Roller Bar
6	2	026-01P1429	Gusset Plate
7	1	022-01PD0106	Seat Pad
8	4	022-01PDR008	Roller Pad
9	1	026-01X1119	Aluminum Lat Bar
10	2	026-01X0185	1/2" Short Pullpin (Hex Head) Assembly
12	1	026-01X1404	Lat Bar Mount
13	1	026-01X1414	Floating Pulley Assembly
14	1	026-01X1426	Top Assembly
15	14	026-01W0142	10 lbs. Intermediate Radial Loc® Weight Plate
17	2	026-01G0177	Guide Rod (\emptyset 0.75" x 71.44" lg.)
18	1	026-01W0139	21 Holes Weight Selector Stem
19	4	026-01M0238	Aluminum Cap 2.00" O.D. x .31" thk
20	1	026-01M0586	Cable Adapter
21	6	026-01M0760	.50" lg. Heavy Flanged Spacer
22	10	026-01M0761	1.69" lg Heavy Flanged Spacer
23	6	026-01M0762	1.50" lg Heavy Flanged Spacer
24	1	026-01M0767	1.00" Dia. x 4.00" lg. Shaft
25	1	26-STD-SWTOP9	Radial Loc® Top Weight
26	${f 2}$	026-01P1689	Pulley Plate
${\bf 27}$	1	022-01PD2024-A	Back Pad
28	1	10-LRD-1012T	Lanyard Pin
41	1	026-01X1453	Accessory Rack
48	1	026-01X1641	Roller Pad Adjuster
50	1	026-01X1638	Upright Assembly
51	1	026-01X1403	Upper Press Arm Pivot
52	1	026-01P1423	Press Arm
56	${f 2}$	026-01M0768	1.25" lg. Heavy Flanged Spacer



HARDWARE LISTING

NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

<u>Key#</u>	Qty.	Part Number	Description
A	1	011-0101070	$1/2-13 \times 4"$ HHB (WZ)
В	1	011-0107014	$1/2-13 \times 5$ " HHB (WZ)
F	4	011-0107037	3/8-16 x 1 1/4" HHB (WZ)
G	4	011-0002033	$3/8-16 \times 1 1/4$ " FHB (WZ)
H	13	011-0107022	3/8-16 x 5" HHB (WZ)
K	8	011-0107046	3/8-16 x 4 1/2" HHB (WZ)
L	3	011-0407020	3/8-16 x 1 3/4" HHB (WZ)
M	4	011-0007048	3/8-16 x 2 1/2" HHB (WZ)
N	6	011-0107047	3/8-16 x 3" HHB (WZ)
Q	2	011-0107011	$5/16-18 \times 1 1/4$ " HHB (WZ)
Ř	2	011-0407051	5/16-18 x 3" HHB (WZ)
S	16	011-0311005	10-32 x 1/8" Set Screw
X	2	011-0107020	$3/8-16 \times 3 1/4$ " HHB (WZ)
AA	4	013-0102003	1/2" SAE Flat Washer (WZ)
AB	50	013-0402005	3/8" USS Flat Washer (WZ)
AC	4	013-0102020	5/16" SAE Flat Washer (WZ)
AD	6	013-0102020	3/8" Split Lock Washer (WZ)
BA	2	012-0304011	1/2"-13UNC Thin Nylok Nut (WZ)
BB	34	012-0402005	3/8"-16UNC Thin Nylok Nut (WZ)
CA	2	26-STD-06-0153	1/2" THK Weight Stack Bumper
CB	ī	018-0002014	Ø4 1/2" Wide Groove Pulley
CC	$\hat{2}$	018-0002015	Ø3 1/2" Wide Groove Pulley
CD	12	018-0001002	Ø3 1/2" Standard Pulley
CE	ī	018-0001003	Ø4 1/2" Standard Pulley
CF	4	014-0011001	Nyliner Bushing
ČĠ	$\hat{2}$	026-01PL134	Guide Rod Bushing
CH	- 28	026-01PL269	Press Fit Cast Weight Bushing
CI	ī	010-0008001	Lanyard Coil
ĊĴ	î	026-01W0138	Selector Pin
ČK.	î	030-0303006	Ø7/16" x 3" Roll Pin
CL	ī	014-001-5009	Lanyard Pin C-Clip
CM	4	026-01PL125	EZ Glide Sleeve
CO	ĩ	016-0001003	1 1/2" x 2 1/2" End Cap
CP CP	î	016-0201004	1 1/2" x 1 1/2" End Cap
ČQ	8	26-STD-06-0481	Roller Pad Bushing
cs	ĭ	020-0014027	Adjustable Stop With Jam Nut
CT	2	26-STD-08-0026	1/2" Flanged Oilite
ČŪ	- 2	014-0101009	1" Flanged Oilite
CW	- 4	026-01M0392	1.28" I.D. Aluminum Ring
CX	4	026-01M0391	1.28" I.D. Aluminum Cap
CZ	í	026-01PL382	Dual Stem Plug Bumper
DB	2	026-01PL369	Weight Stack Stand Off
DD	ĩ	010-01C280T	Leg Extension Cable
DH	4	026-01PL235-16	1.88 I.D. x 4.50 LG Rubber Grip
DU	î	010-01C272T	Floating Pulley Cable
DV	î	010-01C273T	Weight Stack Cable
DY	î	026-01PL371	Delrin Bushing
GA	2	016-0002007	Ø3/8" x 1.60" Vinyl Sleeve
GB	ī	026-01PL381	Bumper, Half Round, Dual Stem
GC	2	016-0201020	1 1/2" X 3 1/2" End Cap



ABBREVIATION LISTING

BZ = Black Zinc

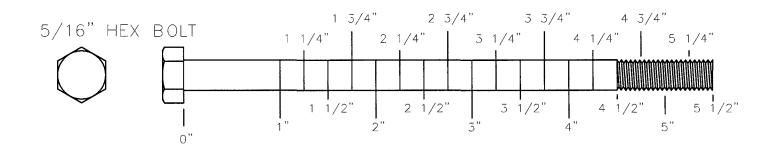
WZ = White Zinc

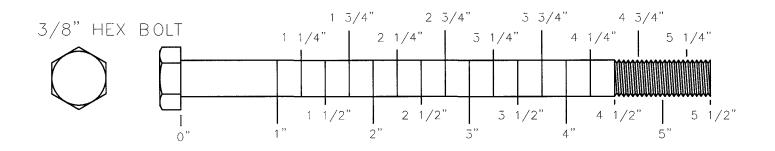
FHS = Flat Head Screw

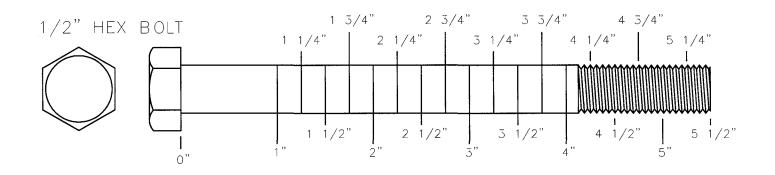
BHS = Button Head Screw

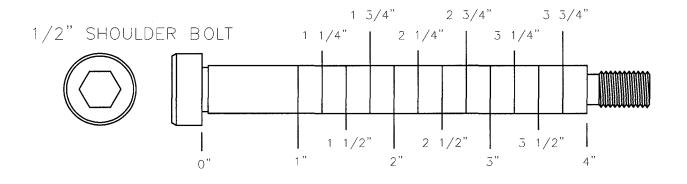
SHS = Socket Head Screw

HHB = Hex Head Bolt

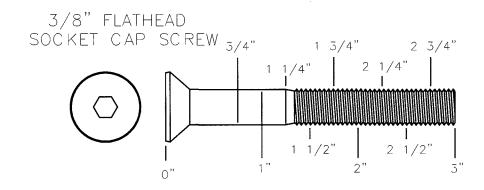


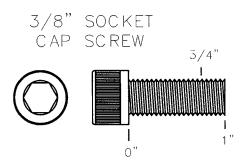


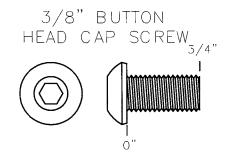


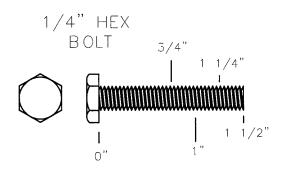


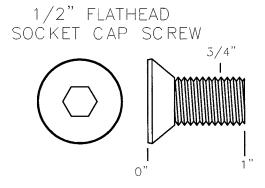




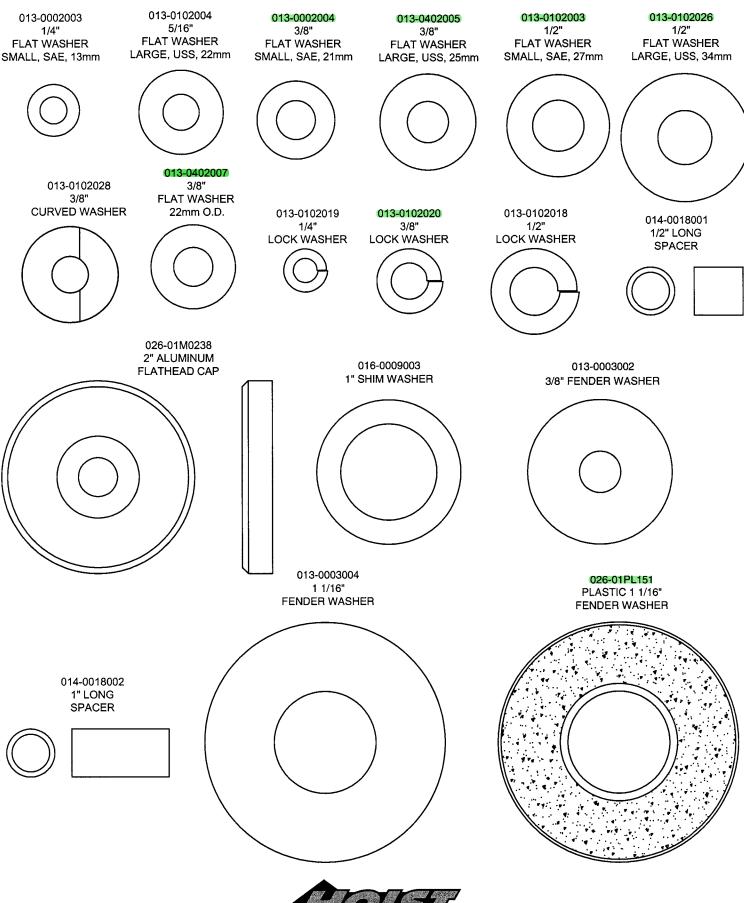


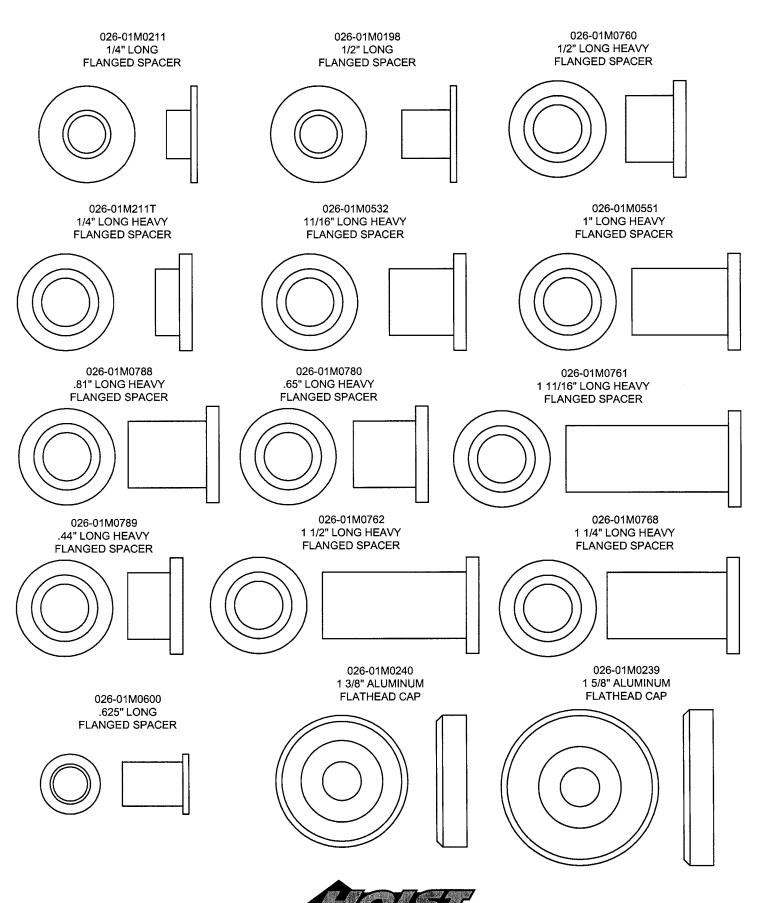












MAINTENANCE SCHEDULE

ROUTINE	COMMERCIAL MAINTENANCE	HOME MAINTENANCE	LATEST DATE ENTRY	<u> </u>
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.



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 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:

- *Hoist 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 has been replaced.



GENERAL MAINTENANCE INFORMATION (CONTINUED)

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 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



WEIGHT TRAINING TIPS

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 V1 HOIST® Fitness System, 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.

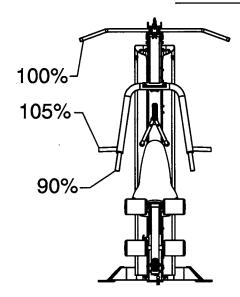
Know your limitations. If you are new to weight training or are embarking on an exercise regimen after a long layoff, start slowly and build foundational strength over a longer period of time.

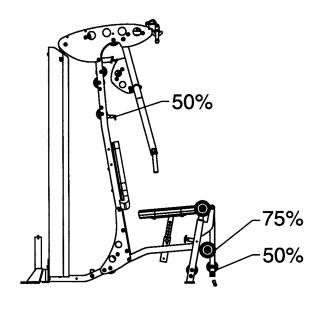
Pay attention to your breathing. Exhale when you exert is a general rule of thumb. Never hold your breath.

Use this manual to guide you through the basic exercises you can perform on your V1 machine. To gain maximum results and avoid possible injury, consult a fitness professional to develop your complete exercise program.

Enjoy your V1 HOIST® Fitness System!

WEIGHT RATIOS





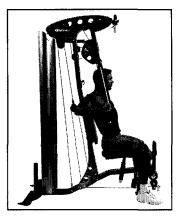
Number of					
Plates	105%	100%	90%	75%	50%
1	13	12	11	9	6
2	23	22	20	17	11
3	34	32	29	24	16
4	44	42	38	32	21
5	55	52	47	39	26
6	65	62	56	47	31
7	76	72	65	54	36
8	86	82	74	62	41
9	97	92	83	69	46
10	107	102	92	77	51
11	118	112	101	84	56
12	128	122	110	92	61
13	139	132	119	99	66
14	149	142	128	107	71
15	160	152	137	114	76
16	170	162	146	122	81
17	181	172	155	129	86
18	191	182	164	137	91
19	202	192	173	144	96
20	212	202	182	152	101

The above chart shows the standard weight stack plus the additional 5 plate option 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.

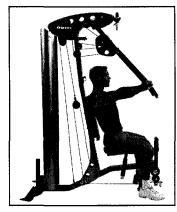




EXERCISE DESCRIPTION VERTICAL BENCH PRESS



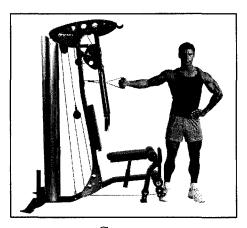
Start



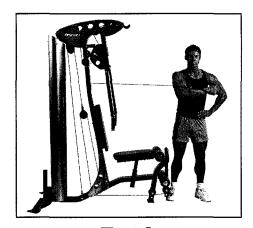
Finish

- 1. Sit upright with your back supported by the back pad.
- 2. Hold the press arm handles at chest height; adjust seat, if needed.
- 3. Press the handles forward until your arms are fully extended.
- 4. Slowly return to the starting position.

PECTORAL CROSSOVER



Start

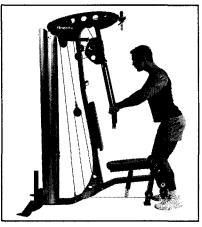


Finish

- 1. Attach one strap handle to the mid pulley.
- 2. Stand sideways to the machine.
- 3. Grip the handle with the hand closest to the machine and arc your arm forward keeping a slight bend your elbow.
- 4. Slowly return to the starting position.



EXERCISE DESCRIPTION STANDING MID ROW

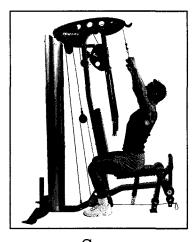


Start

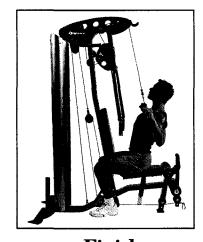
Finish

- 1. Stand facing the machine, and grip the press arm handles with your hands in an overhand position.
- 2. From a straight arm position, pull arms towards your body; keep your elbows close to your sides.
- 3. Slowly return to the starting position.

LAT PULLDOWN



Start



Finish

- 1. Sit facing forward with your knees locked under the upper roller pads.
- 2. Grip the lat bar with your hands slightly wider than shoulder width, with your palms facing forward.
- 3. Lean back slightly, and pull the bar down slowly until it touches your upper chest area.
- 4. Slowly return to the starting position.

EXERCISE DESCRIPTION LATERAL DELTOID

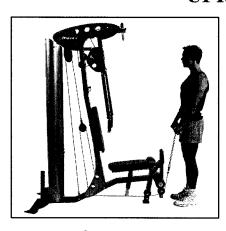


Start

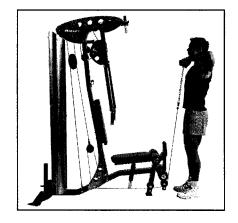
Finish

- 1. Attach one strap handle to the lower pulley.
- 2. Stand sideways to the machine, and grip the handle with the hand furthest away from the machine.
- 3. Raise arm laterally until it is approximately parallel with the floor. Keep a slight bend in your elbow.
- 4. Slowly return to the starting position.

UPRIGHT ROW



Start



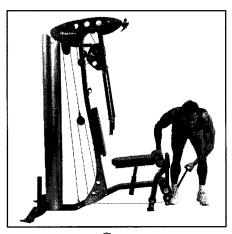
Finish

- 1. Attach both strap handles to the lower pulley.
- 2. Grip the handles with your hands in an overhand position. Keep your hands approximately 4" to 6" apart.
- 3. Keeping your elbows above your hands, slowly pull upwards until your hands are above your chest.
- 4. Slowly return to starting position.

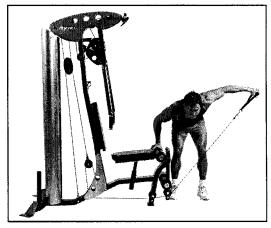
Shown with the optional curl bar.



EXERCISE DESCRIPTION BENT OVER REAR DELT



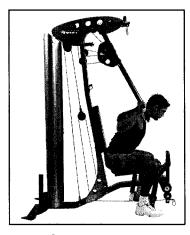
Start



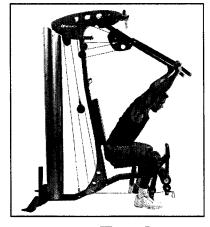
Finish

- 1. Attach one strap handle to the lower pulley.
- 2. Stand sideways to machine, and bend at the waist until your body is parallel to the floor. Leave a slight bend in your knees, and use the upper roller for support.
- 3. Grip the handle with the hand furthest from the machine, and arc your arm upwards keeping a slight bend in your elbow.
- 4. Slowly return to the starting position.

SHOULDER PRESS



Start



Finish

- 1. Sit leaning forward with your buttocks against the back pad.
- 2. Hold the press arm handles slightly above your shoulder height.
- 3. Press the handles at an upward angle until your arms are fully extended.
- 4. Slowly return to the starting position.

EXERCISE DESCRIPTION TRICEPS PUSHDOWN



Start

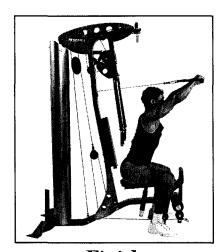
Finish

- 1. Stand facing towards the machine.
- 2. Grip the lat bar with your hands 4" to 6" apart, palms facing forward.
- 3. Bring the bar to chest height. Keep your arms tight against your body, and push the bar down slowly.
- 4. Slowly return to the starting position.

SEATED TRICEPS EXTENSION



Start



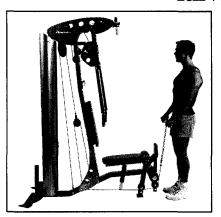
Finish

- 1. Attach both strap handles to the mid-pulley.
- 2. Sit leaning forward with your buttocks on the back of the seat pad.
- 3. Hold the handles behind your head. Keep your elbows close to the sides of your head.
- 4. Push the handles forward until your arms are fully extended.
- 5. Slowly return to the starting position.



EXERCISE DESCRIPTION

REVERSE CURL



Start



Finish

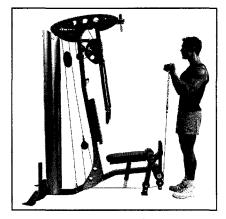
- 1. Attach both strap handles to the lower pulley.
- 2. Stand facing the machine. Grip the handles with your hands in an overhand position. Keep your hands approximately 6" apart.
- 3. Curl your arms upward slowly.
- 4. Slowly return to the starting position.

Shown with the optional curl bar.

BICEPS CURL



Start



Finish

- 1. Attach both strap handles to the lower pulley.
- 2. Stand facing the machine. Grip handles with your hands in an underhand position. Keep your hands approximately 6" apart.
- 3. Curl your arms upward slowly.
- 4. Slowly return to the starting position.

Shown with the optional curl bar.



EXERCISE DESCRIPTION ABDOMINAL CRUNCH



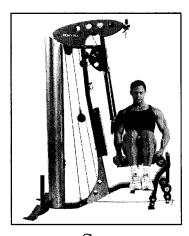
Start



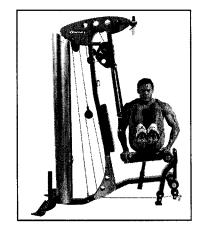
Finish

- 1. Attach both strap handles to the mid-pulley.
- 2. Sit on the seat with your back supported by the back pad.
- 3. Hold handles at chest level.
- 4. Curl your body forward approximately half way towards your knees, pivoting from the upper abdominal area.
- 5. Slowly return to the starting position.

KNEE RAISES



Start



Finish

- 1. Sit on the seat sideways to the machine with your legs extended to one side.
- 2. Grip the ends of the seat pad for balance.
- 3. Lean back to balance yourself, and lift your feet slightly off the ground.
- 4. Lift knees upwards towards your chest.
- 5. Slowly return to the starting position.

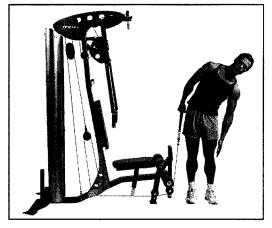
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EXERCISE DESCRIPTION

SIDE BENDS



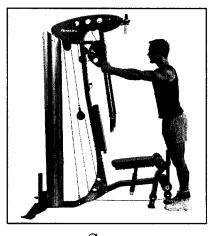
Start



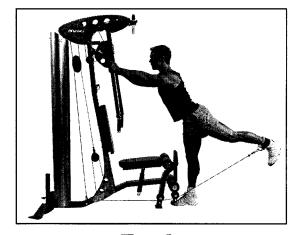
Finish

- 1. Attach one strap handle to the lower pulley.
- 2. Stand sideways to the machine, and grip handle with the hand closest to the machine.
- 3. Keep your arm straight while crunching your upper body over and away from the machine.
- 4. Slowly return to the starting position.

GLUTE KICK



Start



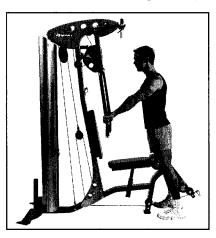
Finish

- 1. Attach the padded cuff to the lower pulley.
- 2. Attach the cuff to your ankle. Angle your upper body forward; using the press arm for balance.
- 3. Keep your hips stationary and your leg straight. Slowly raise your foot up, in a backwards direction, as far as possible. Keep your toe pointed straight down.
- 4. Contract your buttock at the peak of the movement then slowly lower your leg to the starting position.



EXERCISE DESCRIPTION

STANDING LEG CURL

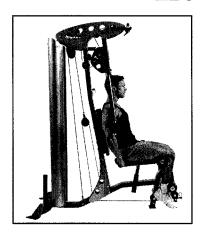


Start

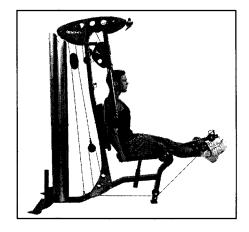
Finish

- 1. Stand facing the machine, and adjust the upper roller pads to hit just above your knees.
- 2. Hook one leg under a lower roller pad, and grip the press arm for balance.
- 3. Curl your leg upward, and hold your position momentarily.
- 4. Slowly return to the starting position.

LEG EXTENSION





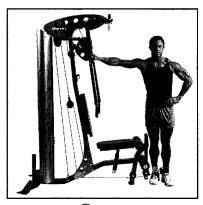


Finish

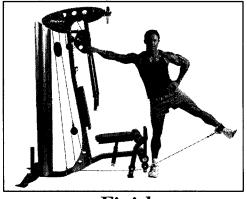
- 1. Adjust the seat and upper roller pads so that the pivot of the leg extension/leg curl arm lines up with the pivot point of your knees when seated.
- 2. Hook your legs over the top roller pads and your feet under the lower roller pads.
- 3. Slowly extend your legs forward, and hold your position momentarily.
- 4. Slowly return to the starting position.



EXERCISE DESCRIPTION OUTER THIGH



Start



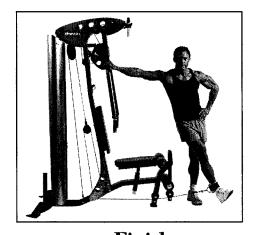
Finish

- 1. Attach the padded cuff to the lower pulley.
- 2. Stand sideways to the machine.
- 3. Attach the cuff to the leg furthest from the machine. Balance yourself by holding the press arm.
- 4. While Keeping your leg straight and positioned slightly in front of your body, lift your leg outward and upward as far as possible. Keep your body straight and lead with your heel.
- 5. Slowly return to the starting position.

INNER THIGH



Start

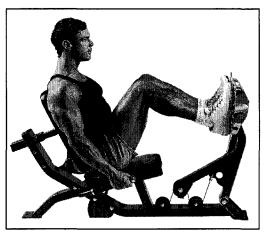


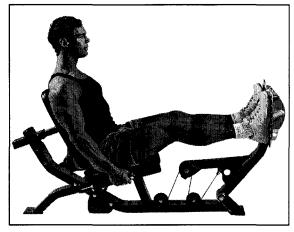
Finish

- 1. Attach the padded cuff to the lower pulley.
- 2. Stand sideways to the machine.
- 3. Attach cuff to the leg closest to the machine. Balance yourself by holding the press arm.
- 4. Slowly scissor your leg across your body while keeping your body straight.
- 5. Slowly return to the starting position.

EXERCISE DESCRIPTION

LEG PRESS (optional)



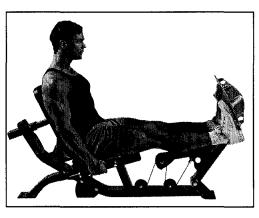


Start

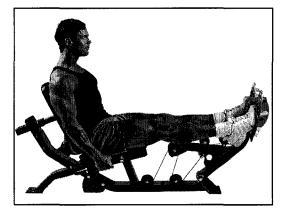
Finish

- 1. Adjust the back pad so legs are bent when your feet are placed on the foot plate. Position your knees as close to your body as possible without bending past a 90° angle.
- 2. Slowly push your legs to a straight position, leaving a slight bend in your knees when fully exteded. Never allow your knees to lock during the movement.
- 3. Slowly return to the starting position.

TOE RAISES (optional)







Finish

- 1. Adjust the back pad so legs are slightly bent when your feet are placed on foot plate.
- 2. Fully extend your legs with your heels slightly lower than the bottom of the foot plate. Do not lock your knees.
- 3. Keep your knees in the position as described above; flex toes forward as far as possible.
- 4. Slowly return to the starting position.



WEIGHT TRAINING EXERCISE LOG

S = Sets R = Repetition per set W = Weight used

Date																																				
Exercise	$ \mathbf{S} $	R	W	\mathbf{S}	R	W	S	R	W	\mathbf{S}	R	W	\mathbf{S}	R	W	S	R	W	\mathbf{S}	R	W	\mathbf{S}	R	W	$ \mathbf{S} $	R	W	\mathbf{S}	R	W	\mathbf{S}	R	W	$ \mathbf{S} $	R	W
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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 one year; all malfunctions of electronic components, belts, or cables 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.

HOME USE: All malfunctions of grips, paint, and chrome that occur after ten years; all malfunctions of electronic components, belts, cables, or upholstery that occur after ten years; all malfunctions of pulleys, bearings, or bushings that occur after ten 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 damages.

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 five (5) year warranties 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

