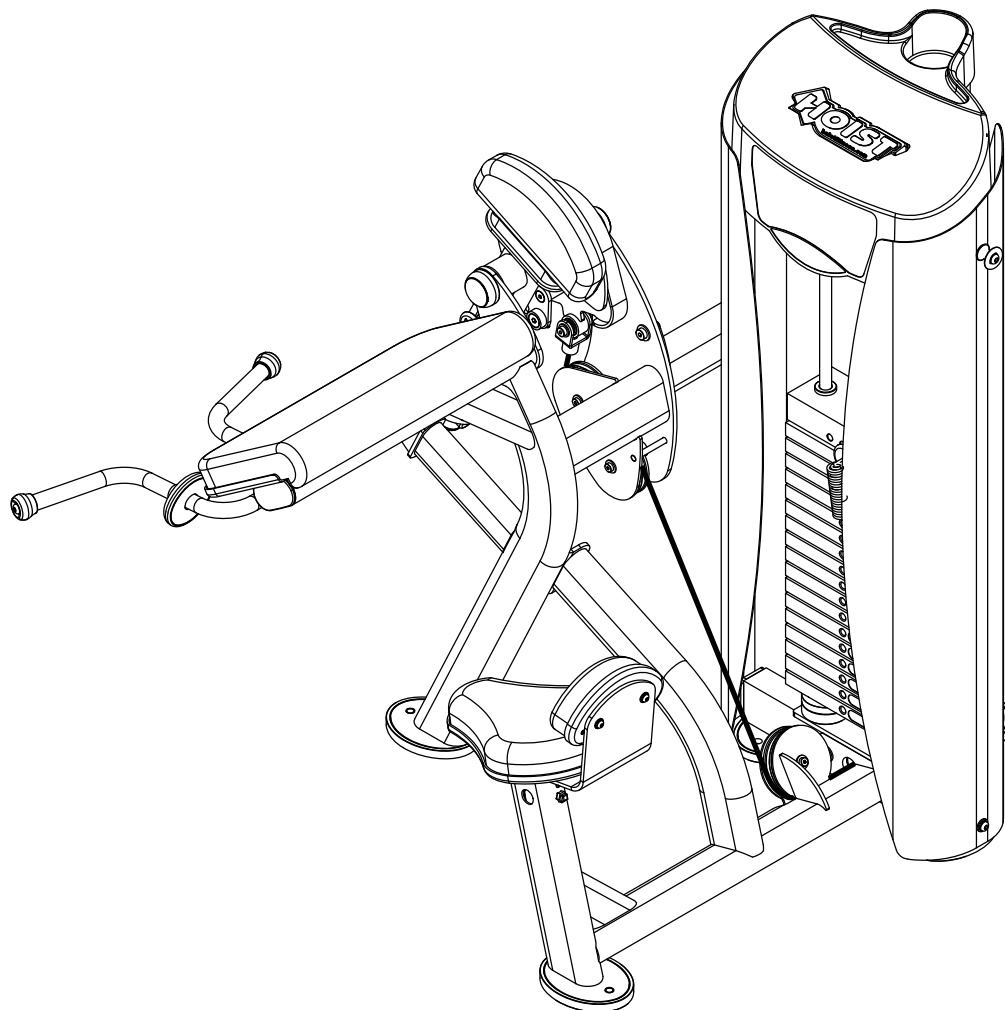


# OWNER'S MANUAL



## HD-3100 BICEP/TRICEP



**\*\*WARNING!\*\***

TO PREVENT POSSIBLE TIPPING, BOLT THIS UNIT TO THE EXERCISE FLOOR. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH.

**Note: Both Serial Number and Model Number are Required when Ordering Parts**  
**RECORD SERIAL NUMBER HERE**

**MACHINE CODE**

**A03**

**Customer Service**

**(800) 548-5438**

**(858) 578-7676**

**Fax**

**(858) 578-9558**



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# OWNER'S MANUAL

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# **OWNER'S MANUAL**

## **INSTRUCTIONS**

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

**Ratchet Wrench**

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

**Adjustable Wrench**

**Rubber Mallet**

**Tape Measure**

**Level**

**Hex Key Wrench Set**

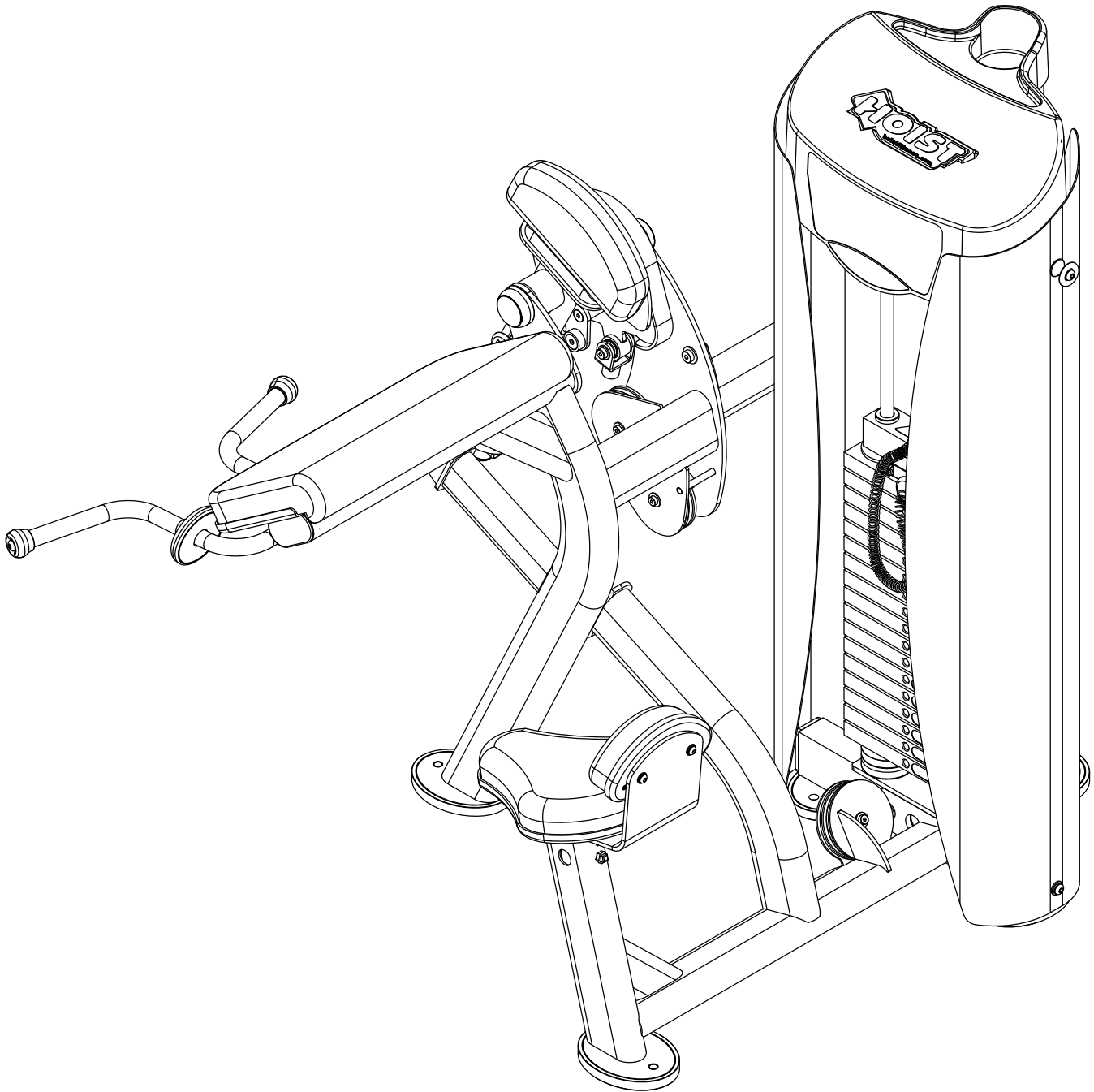
**Two People**

# **OWNER'S MANUAL**

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# OWNER'S MANUAL

## FRAME ASSEMBLY

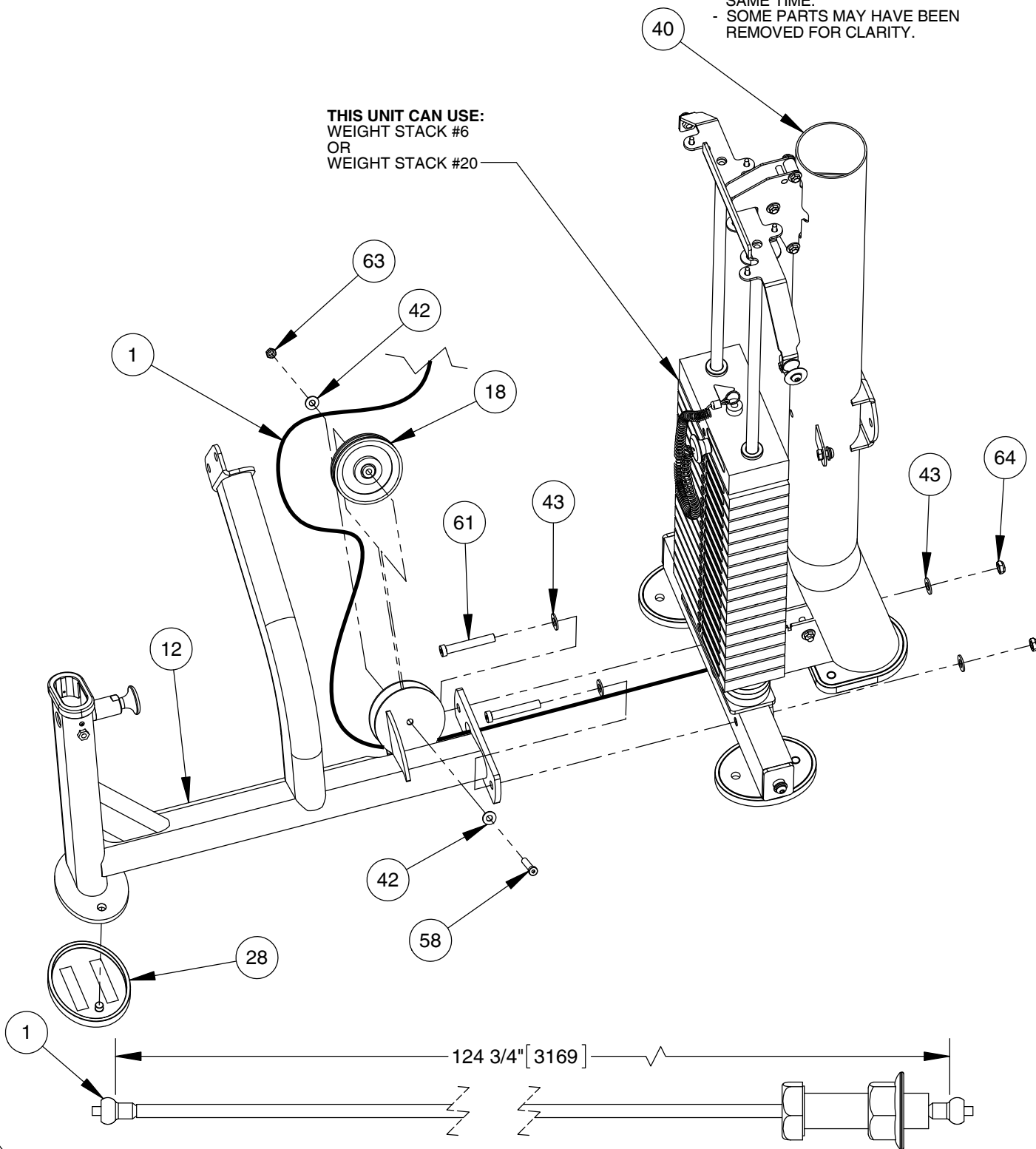


# OWNER'S MANUAL

## FRAME ASSEMBLY \*ASSEMBLE WEIGHT CAGE FIRST\*

NOTE:  
- WRENCH TIGHTEN HARDWARE (58).  
- HAND TIGHTEN HARDWARE.  
- INSTALL CABLE AND PULLEYS AT THE SAME TIME.  
- SOME PARTS MAY HAVE BEEN REMOVED FOR CLARITY.

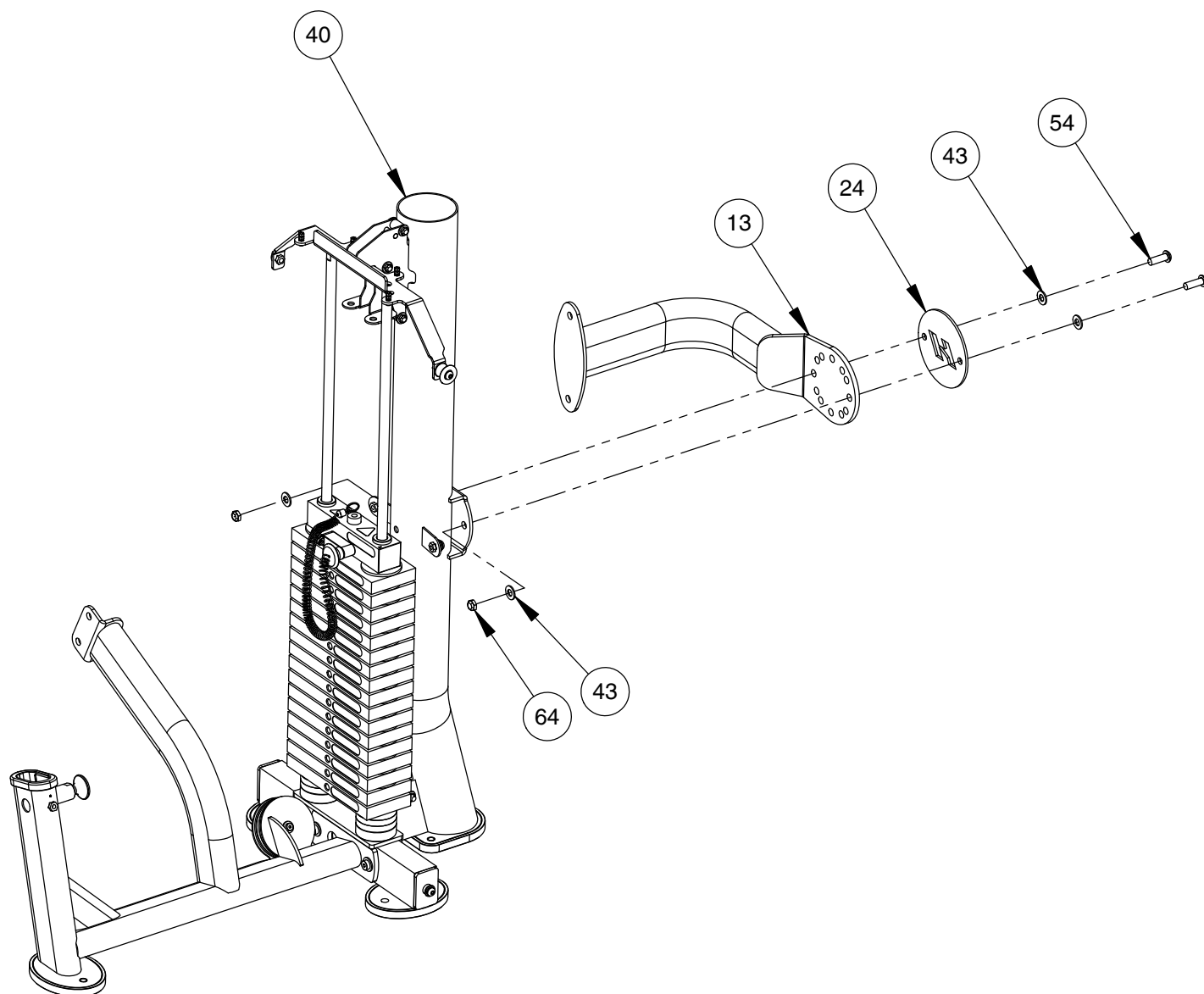
THIS UNIT CAN USE:  
WEIGHT STACK #6  
OR  
WEIGHT STACK #20



# OWNER'S MANUAL

## FRAME ASSEMBLY

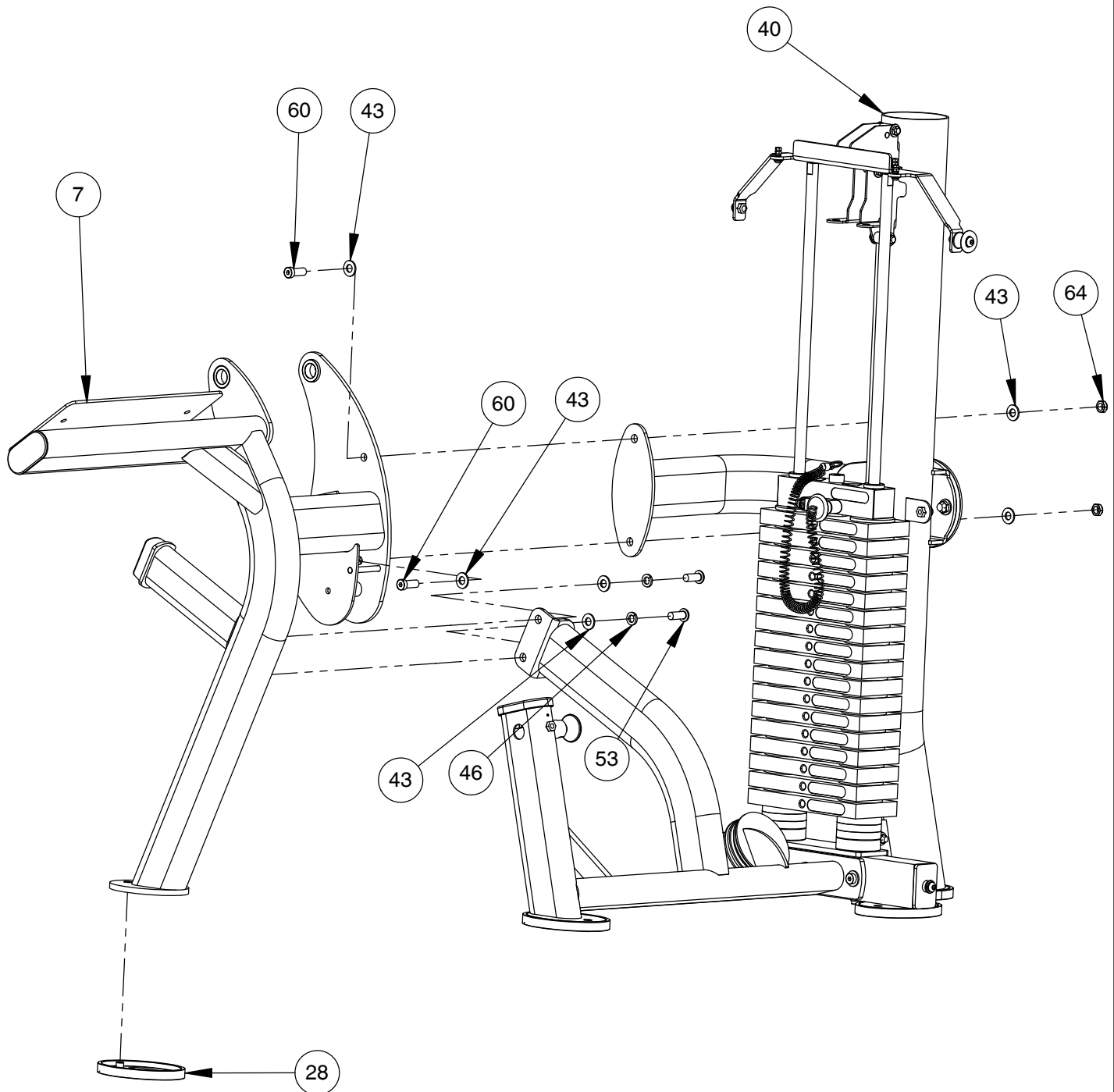
NOTE:  
- HAND TIGHTEN HARDWARE.  
- SOME PARTS MAY HAVE BEEN  
REMOVED FOR CLARITY.



# OWNER'S MANUAL

## FRAME ASSEMBLY

NOTE:  
- HAND TIGHTEN HARDWARE.  
- SOME PARTS MAY HAVE BEEN  
REMOVED FOR CLARITY.

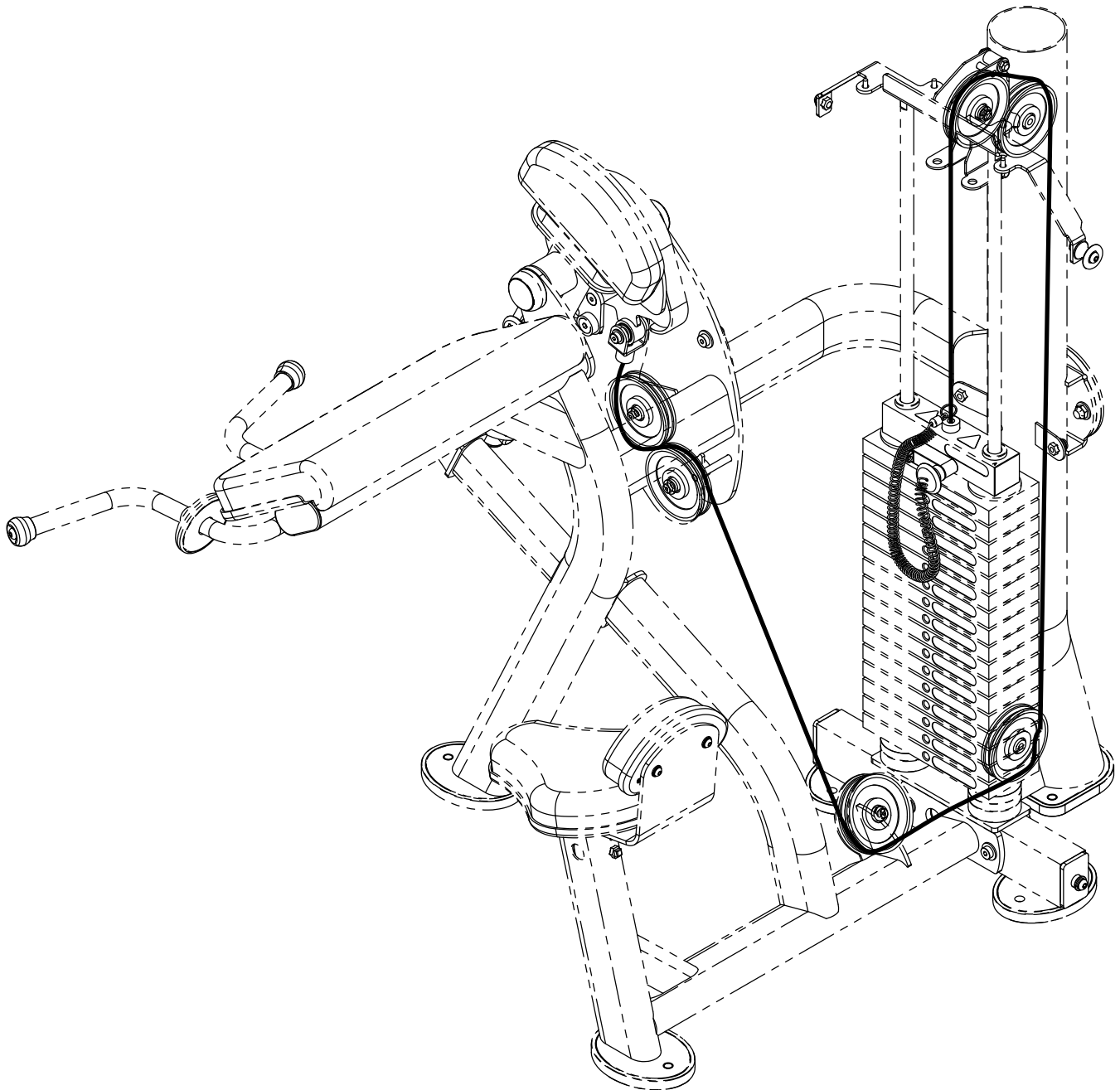


# OWNER'S MANUAL

## FRAME ASSEMBLY

### CABLE PROFILE VIEW

NOTE:  
- SOME PARTS MAY HAVE BEEN  
REMOVED FOR CLARITY.

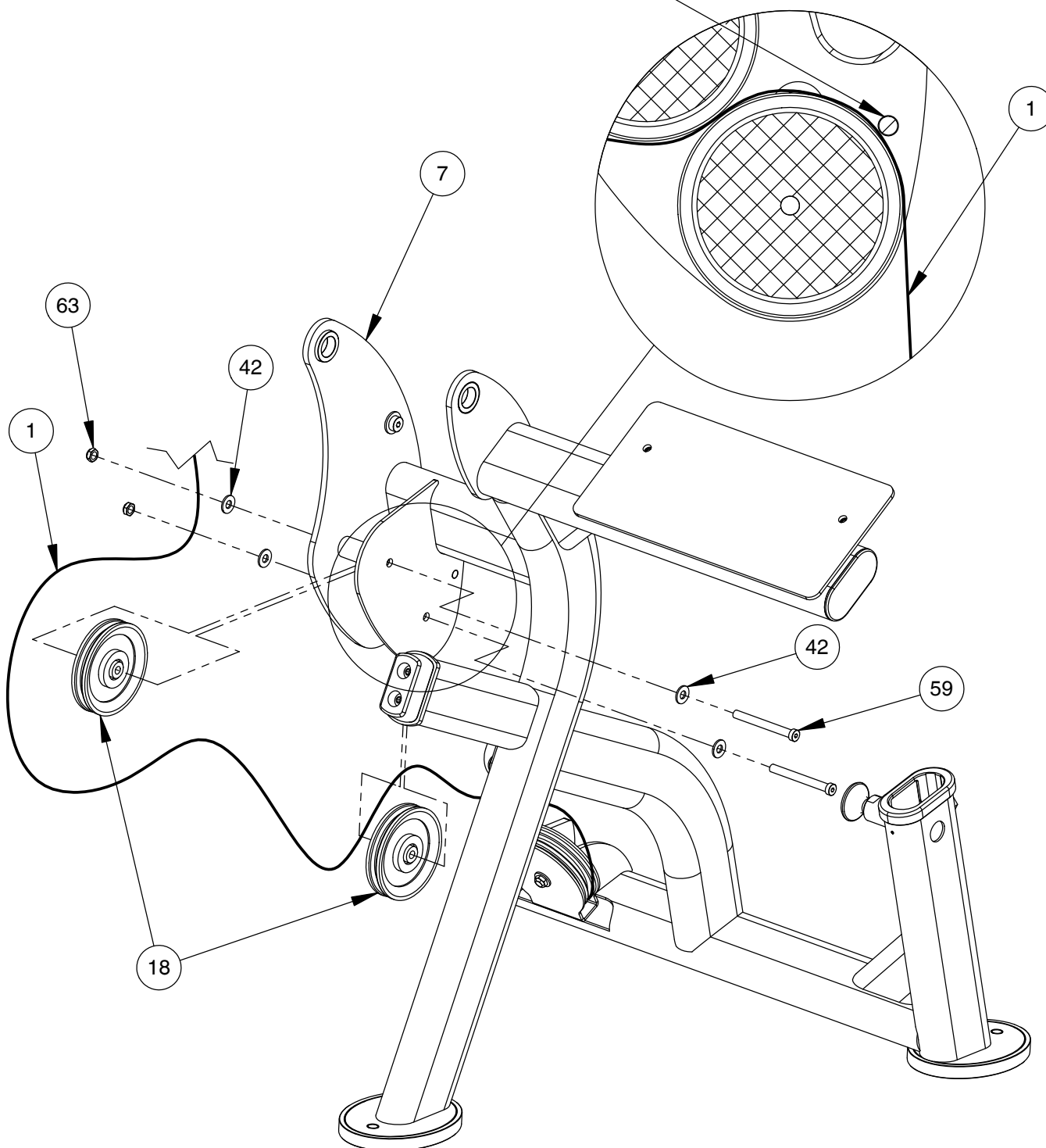


# OWNER'S MANUAL

## FRAME ASSEMBLY

**NOTE:**  
BE SURE TO POSITION  
CABLE BETWEEN PULLEY  
AND GUARD PIN  
AS SHOWN.

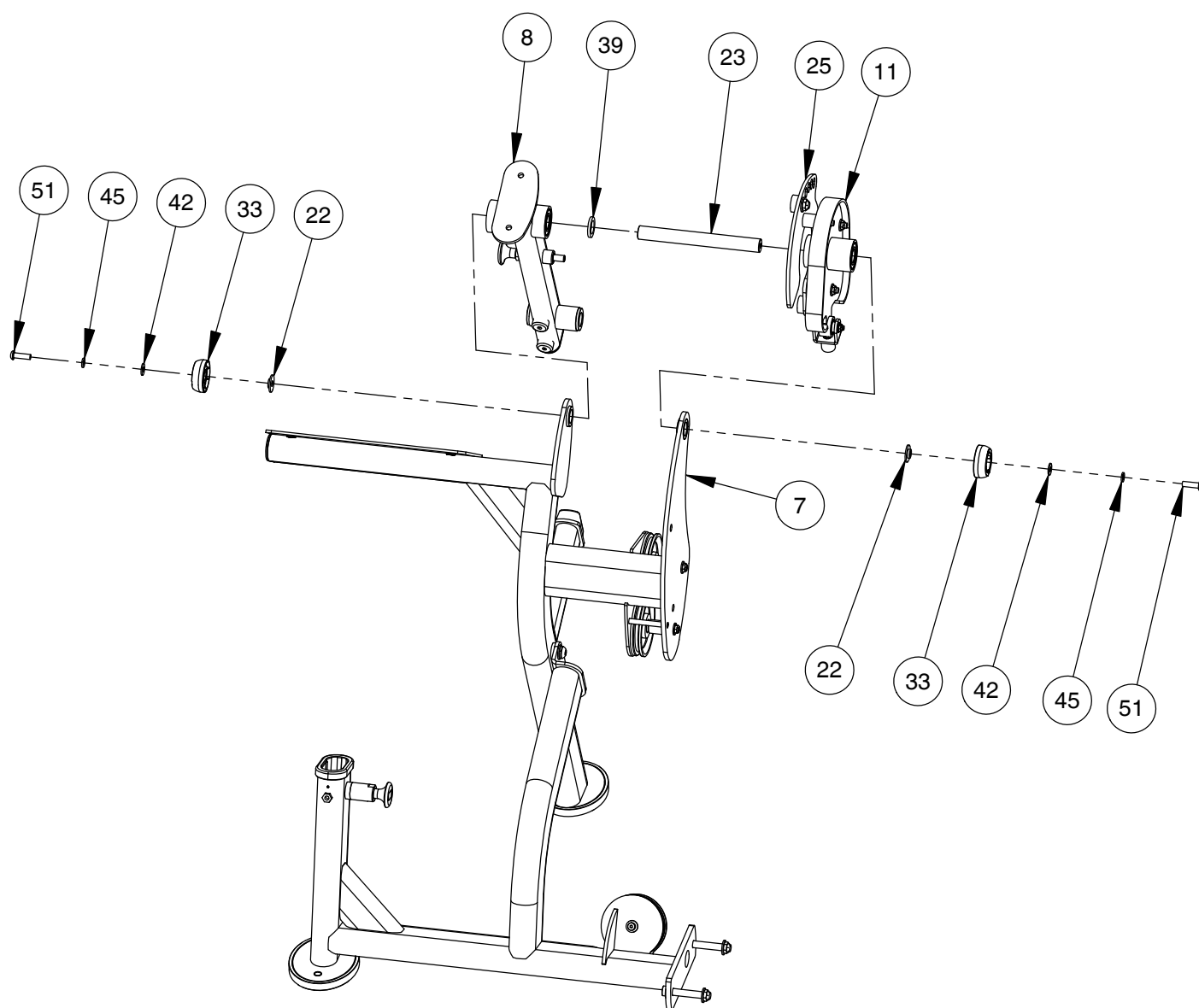
**NOTE:**  
- WRENCH TIGHTEN HARDWARE.  
- INSTALL CABLE AND PULLEYS AT THE  
SAME TIME.  
- SOME PARTS MAY HAVE BEEN  
REMOVED FOR CLARITY.



# OWNER'S MANUAL

## FRAME ASSEMBLY

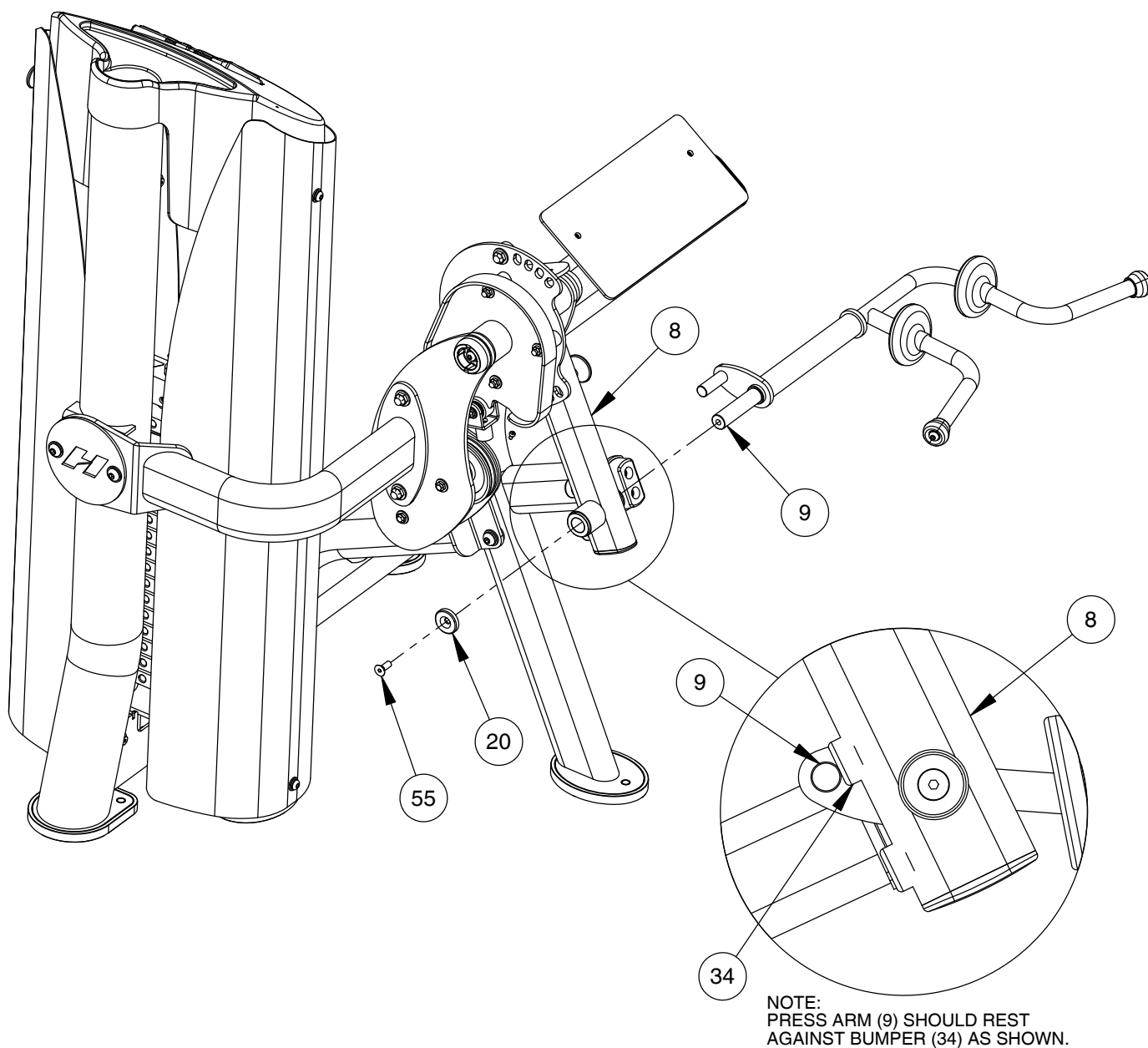
NOTE:  
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REMOVED FOR CLARITY.



# OWNER'S MANUAL

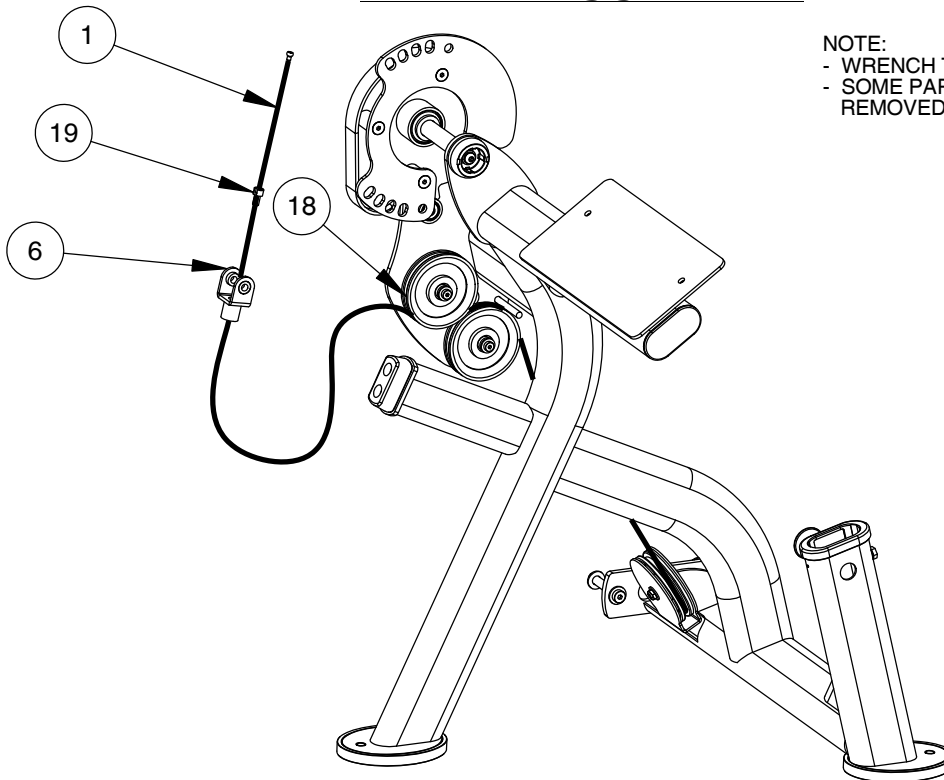
## FRAME ASSEMBLY

NOTE:  
- HAND TIGHTEN HARDWARE.  
- SOME PARTS MAY HAVE BEEN  
REMOVED FOR CLARITY.



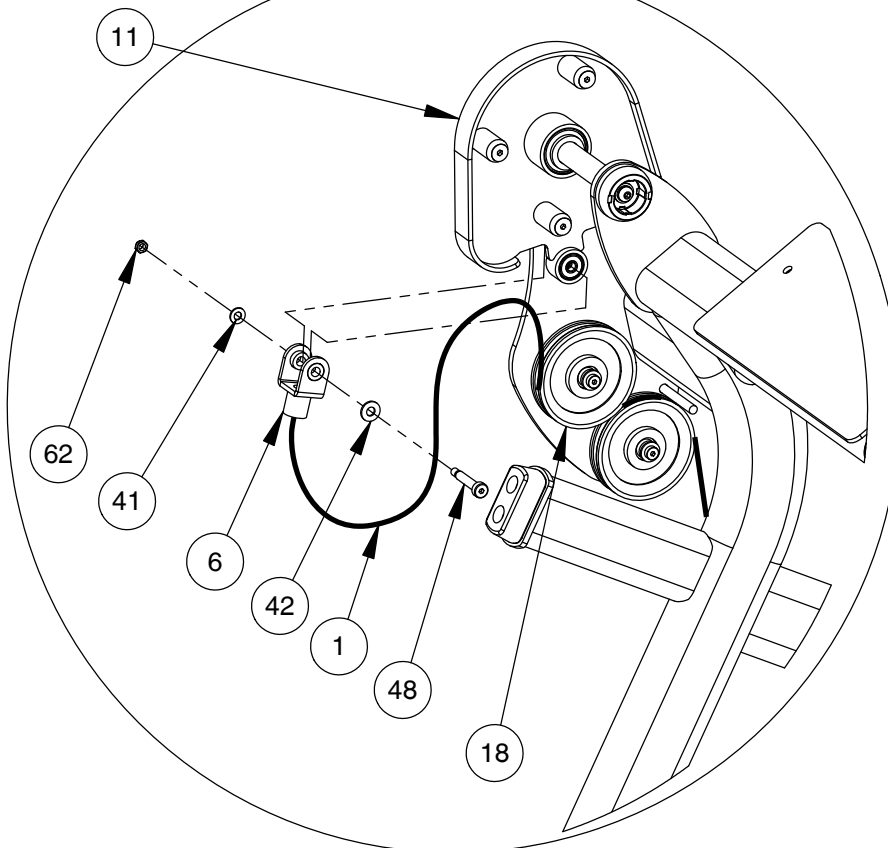
# OWNER'S MANUAL

## FRAME ASSEMBLY



NOTE:  
- WRENCH TIGHTEN HARDWARE.  
- SOME PARTS MAY HAVE BEEN  
REMOVED FOR CLARITY.

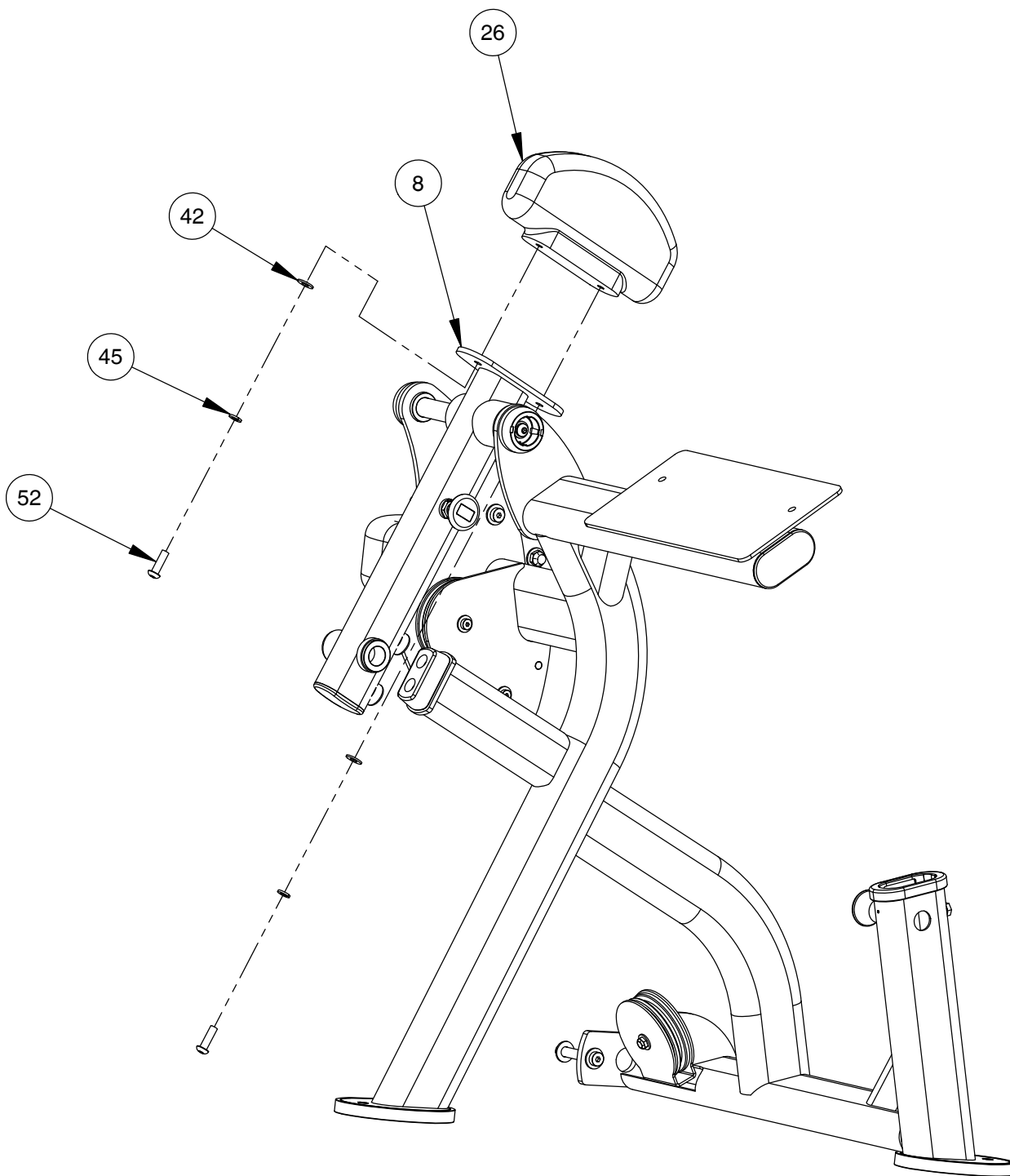
## STEP 2



# OWNER'S MANUAL

## FRAME ASSEMBLY

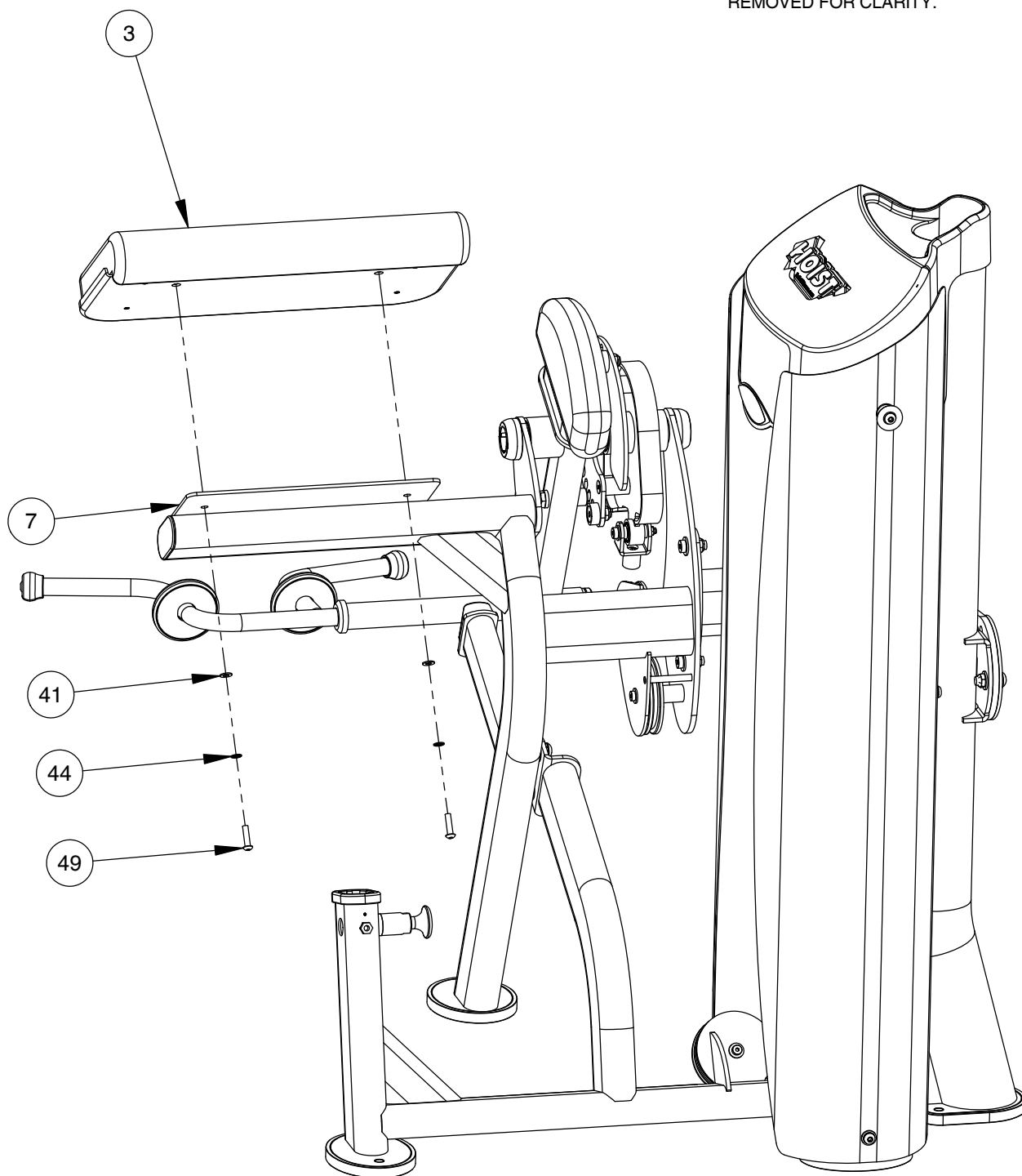
NOTE:  
- HAND TIGHTEN HARDWARE.  
- SOME PARTS MAY HAVE BEEN  
REMOVED FOR CLARITY.



# OWNER'S MANUAL

## FRAME ASSEMBLY

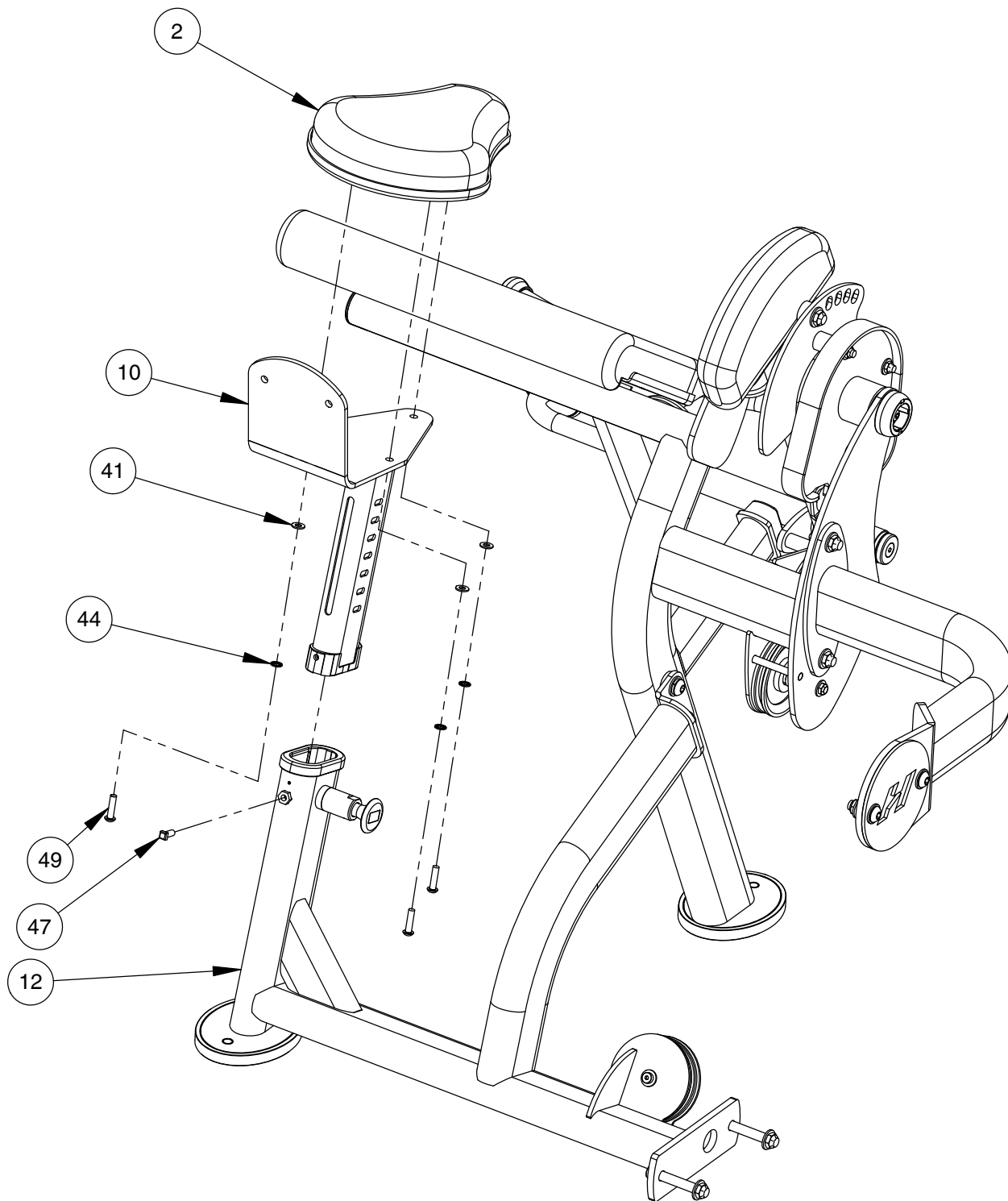
NOTE:  
- WRENCH TIGHTEN HARDWARE.  
- SOME PARTS MAY HAVE BEEN  
REMOVED FOR CLARITY.



# OWNER'S MANUAL

## FRAME ASSEMBLY

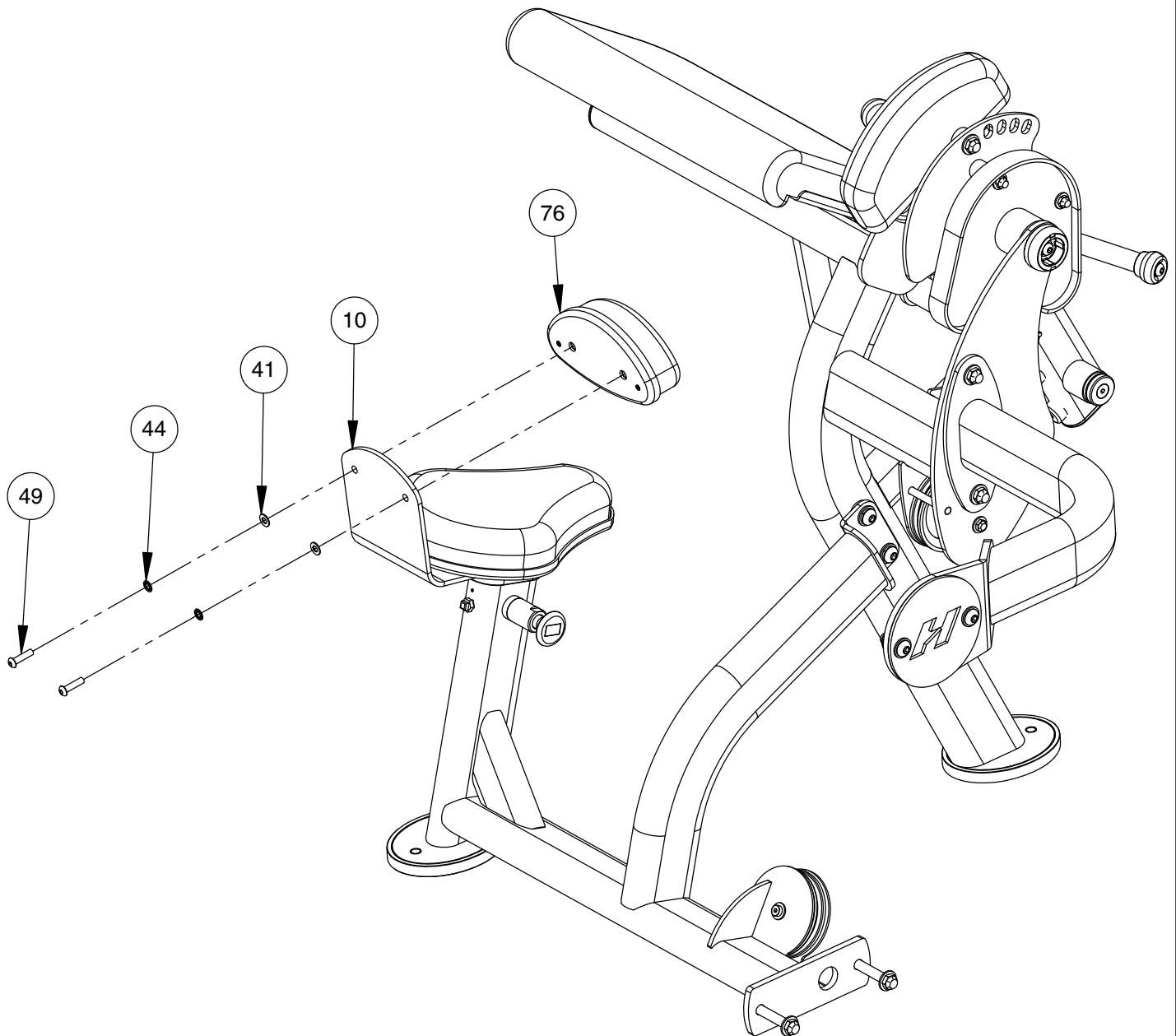
NOTE:  
- WRENCH TIGHTEN HARDWARE.  
- SOME PARTS MAY HAVE BEEN  
REMOVED FOR CLARITY.



# OWNER'S MANUAL

## FRAME ASSEMBLY

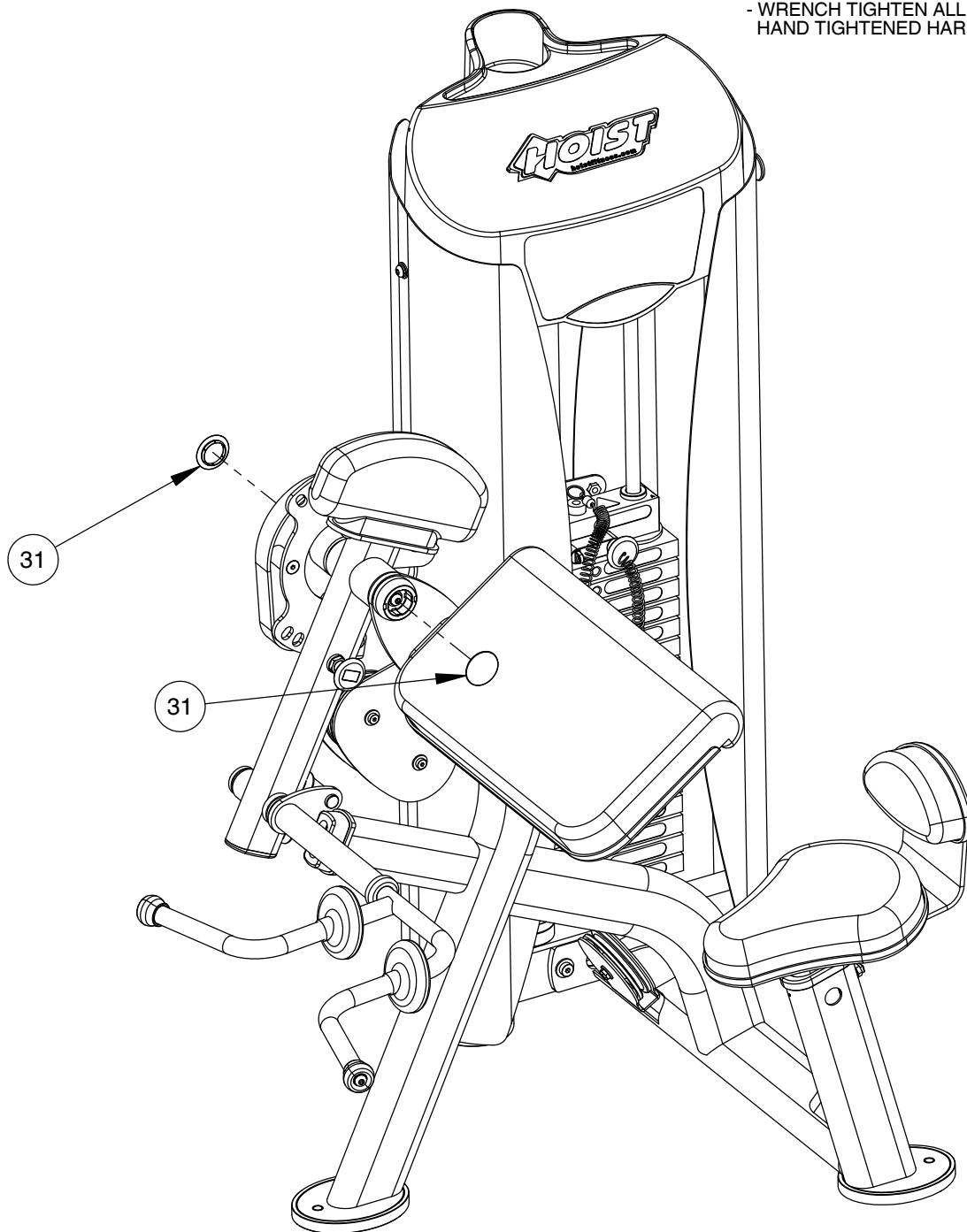
NOTE:  
- WRENCH TIGHTEN HARDWARE.  
- SOME PARTS MAY HAVE BEEN  
REMOVED FOR CLARITY.



# OWNER'S MANUAL

## FRAME ASSEMBLY

NOTE:  
- WRENCH TIGHTEN ALL PREVIOUSLY  
HAND TIGHTENED HARDWARE.



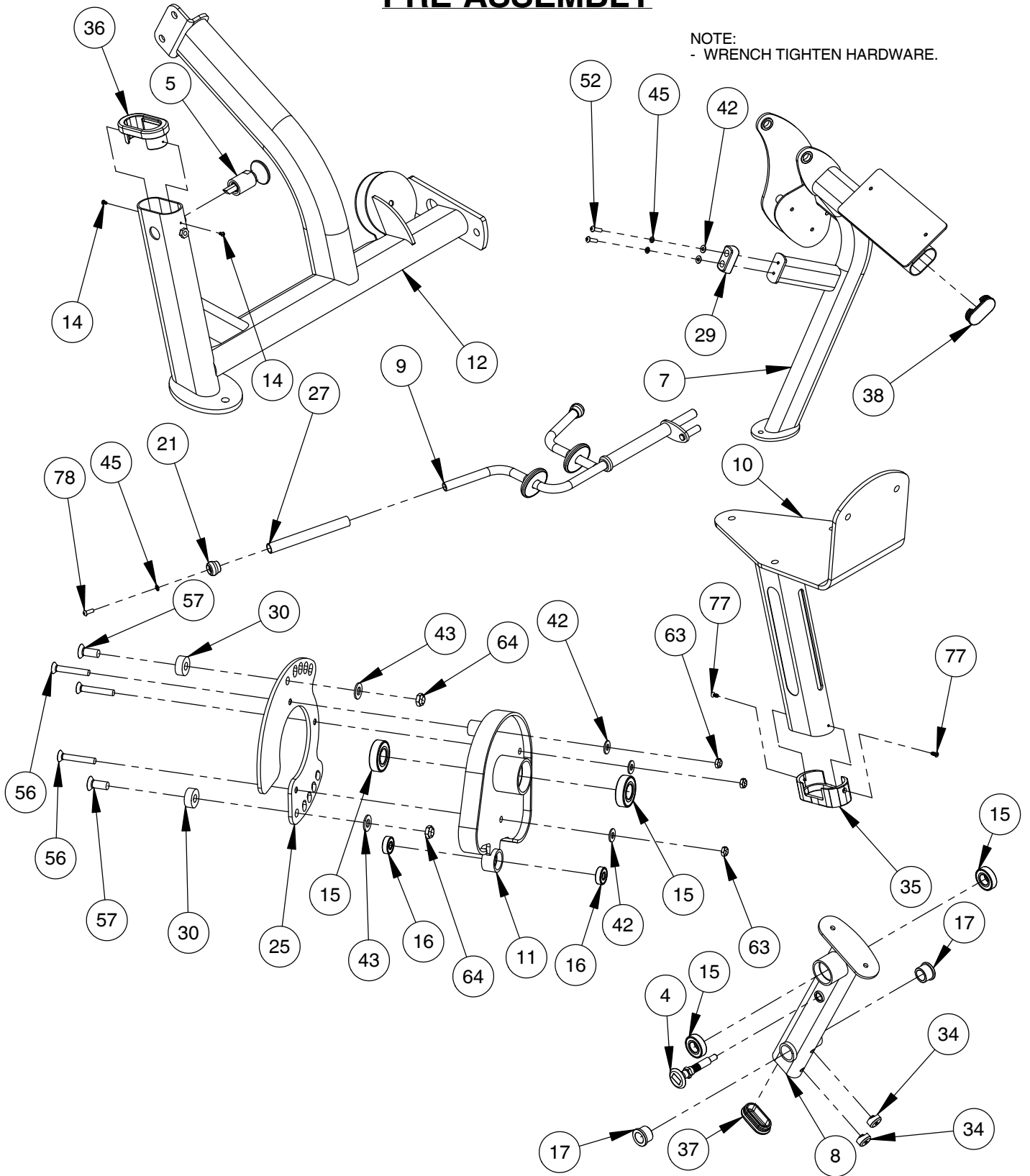
### **\*IMPORTANT\***

NOW THAT THE HD-3100 IS COMPLETELY ASSEMBLED TAKE TIME TO ASSURE THAT YOUR UNIT IS ASSEMBLED SQUARE AND PERPENDICULAR. IF NOT, IT WILL BE NECESSARY TO LOOSEN SOME FRAME HARDWARE TO RE-ALIGN THE FRAME AND RETIGHTEN BOLTS.

# OWNER'S MANUAL

## PRE-ASSEMBLY

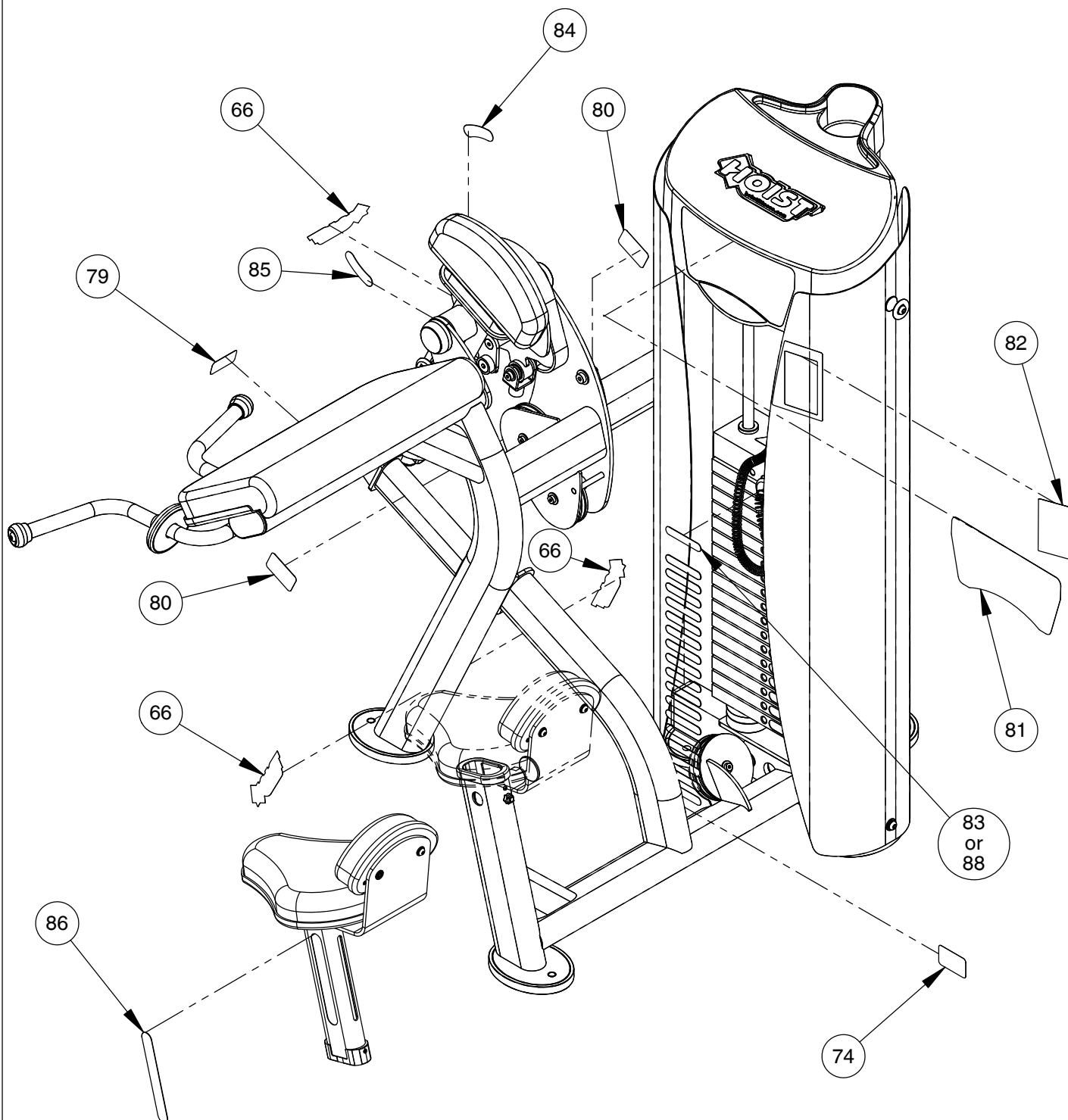
NOTE:  
- WRENCH TIGHTEN HARDWARE.



# OWNER'S MANUAL

## DECAL PLACEMENT

NOTE:  
- ALL DECALS ARE CENTERED  
UNLESS OTHERWISE STATED.  
- SOME PARTS MAY HAVE BEEN  
REMOVED FOR CLARITY.



# OWNER'S MANUAL

## DECAL REFERENCE

### PREACHER CURL

#### MAIN MUSCLE: BICEPS

- 1 Select appropriate weight.
- 2 Rest your triceps on the pad and grab the handles using an underhand grip.
- 3 Lift the handles as you exhale and contract the biceps.
- 4 Lower the handles slowly back to the starting position.



### DUAL SERIES™

HD-3100



### TRICEPS EXTENSION

#### MAIN MUSCLE: TRICEPS

- 1 Select appropriate weight.
- 2 Rest your triceps on the pad and grab the handles using a neutral thumbs-up grip.
- 3 Extend arms forward while keeping triceps fixed on the pad.
- 4 Return the handles slowly back to the starting position.

021-0003883



021-0003906



021-0003230



021-0003907



1-800-548-5438

www.hoistfitness.com

SERIAL # 00-00-A-000000



SERIAL # DECAL

TO VISIT THE HOIST® MOBILE APPLICATION, SCAN THE QR CODE\* BELOW WITH YOUR SMARTPHONE'S CAMERA.

THE APPLICATION PROVIDES A SHORT VIDEO, ALONG WITH ANSWERS TO:

- HOW DO I ADJUST THIS MACHINE?
- HOW DO I PERFORM THE EXERCISE?
- WHERE IS HOIST ON THE WEB?

SCAN HERE:



\* USING YOUR SMARTPHONE, VISIT [WWW.HOISTFITNESS.COM](http://WWW.HOISTFITNESS.COM)/SCAN TO DOWNLOAD A FREE QR CODE SCANNER.

021-003915

021-0003915

# OWNER'S MANUAL

## DECAL REFERENCE

20 LBS / 9 KGS

100 LBS / 45 KGS

180 LBS / 82 KGS

30 LBS / 14 KGS

110 LBS / 50 KGS

190 LBS / 86 KGS

40 LBS / 18 KGS

120 LBS / 54 KGS

50 LBS / 23 KGS

130 LBS / 59 KGS

60 LBS / 27 KGS

140 LBS / 64 KGS

70 LBS / 32 KGS

150 LBS / 68 KGS

80 LBS / 36 KGS

160 LBS / 73 KGS

90 LBS / 41 KGS

170 LBS / 77 KGS

021-0003941



021-0003093



021-0003138

20 LBS / 9 KGS

100 LBS / 45 KGS

210 LBS / 95 KGS

30 LBS / 14 KGS

110 LBS / 50 KGS

225 LBS / 102 KGS

40 LBS / 18 KGS

120 LBS / 54 KGS

50 LBS / 23 KGS

135 LBS / 61 KGS

60 LBS / 27 KGS

150 LBS / 68 KGS

70 LBS / 32 KGS

165 LBS / 75 KGS

80 LBS / 36 KGS

180 LBS / 82 KGS

90 LBS / 41 KGS

195 LBS / 88 KGS

021-0003944

1  
2  
3  
4  
5  
6  
7

021-0003911

# OWNER'S MANUAL

## PART LIST

NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

| ITEM NO. | PART NUMBER     | DESCRIPTION                                                  | QTY. |
|----------|-----------------|--------------------------------------------------------------|------|
| 1        | 010-01C0430     | HD-3100 CABLE ASSEMBLY - 124 3/4" LG.                        | 1    |
| 2        | 022-01PD2099-A  | SEAT PAD ASSEMBLY                                            | 1    |
| 3        | 022-01PD2123-A  | PAD ASSEMBLY                                                 | 1    |
| 4        | 026-01X0186     | PULL-PIN ASSEMBLY                                            | 1    |
| 5        | 026-01X3160     | RATCHET PULL-PIN ASSEMBLY                                    | 1    |
| 6        | 026-01X5713     | SWIVEL YOKE                                                  | 1    |
| 7        | 026-01X6539     | MAIN FRAME ASSEMBLY                                          | 1    |
| 8        | 026-01X6541     | ARM SUPPORT ASSEMBLY                                         | 1    |
| 9        | 026-01X6542     | PRESS ARM                                                    | 1    |
| 10       | 026-01X6544     | SEAT MOUNT                                                   | 1    |
| 11       | 026-01X6549     | CAM ASSY                                                     | 1    |
| 12       | 026-01X6550     | BASE FRAME ASSEMBLY                                          | 1    |
| 13       | 026-01X6609     | UPPER CAGE TIE                                               | 1    |
| 14       | 011-0701120     | M4 BHB (Ni)                                                  | 2    |
| 15       | 014-0012014     | BEARING: FLANGELESS - 25mm I.D.                              | 4    |
| 16       | 014-0012022     | BEARING: 1614-ZZ (3/8") FLANGELESS BEARING                   | 2    |
| 17       | 014-0101005     | BUSHING: OILITE FLANGED Ø1.38" O.D. X Ø1.00" I.D. X .81" LG. | 2    |
| 18       | 018-0001003     | CABLE PULLEY: Ø4.50"                                         | 3    |
| 19       | 026-01M0200     | QUICK RELEASE CABLE LOCK Ø.34" I.D. X .9990"LG.              | 1    |
| 20       | 026-01M0239     | ALUMINUM FLATHEAD CAP Ø 1.63" X .31" LG.                     | 1    |
| 21       | 026-01M0937     | END CAP: ALUMINUM Ø 1.0" I.D.                                | 2    |
| 22       | 026-01M3112     | FINISHED CAP WASHER                                          | 2    |
| 23       | 026-01M3139     | PIVOT SHAFT                                                  | 1    |
| 24       | 026-01P2653     | 'H' PLATE                                                    | 1    |
| 25       | 026-01P4472     | WEAR PLATE                                                   | 1    |
| 26       | 026-01P4508     | 31 LB. COUNTER WEIGHT                                        | 1    |
| 27       | 026-01PL0206-13 | GRIP Ø 1.00" X 10.50" LG.                                    | 2    |
| 28       | 026-01PL2122    | OVAL-SHAPED RUBBER FOOT                                      | 2    |
| 29       | 026-01PL2291    | RUBBER STOP                                                  | 1    |
| 30       | 026-01PL2325    | PLASTIC LIMITER                                              | 2    |
| 31       | 026-01PL2371    | 3.75" ROLLER PAD END CAP                                     | 2    |
| 32       | 026-01PL2492    | HAND SADDLE                                                  | 2    |
| 33       | 026-01PL2553    | FINISH CAP BODY, Ø2.3750"                                    | 2    |
| 34       | 026-01PL2561    | PLUG BUMPER, COPED                                           | 2    |
| 35       | 026-01PL2563    | INNER SEAT ADJUSTER BUSHING                                  | 1    |

# OWNER'S MANUAL

## PART LIST CONTINUED

NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

| ITEM NO. | PART NUMBER             | DESCRIPTION                                   | QTY. |
|----------|-------------------------|-----------------------------------------------|------|
| 36       | 026-01PL2564            | GLIDE SLEEVE                                  | 1    |
| 37       | 026-01PL2565            | 3.15" X 1.57" CAP                             | 1    |
| 38       | 026-01PL2566            | CAP 1.97" X 3.94"                             | 1    |
| 39       | 026-01T4025             | SPACER - $\phi$ 1.50 X .250" WALL X .188 LG.  | 1    |
| 40       | ROC-IT WEIGHT CAGE - A2 | ROC-IT WEIGHT CAGE                            | 1    |
| 41       | 013-1002010             | 5/16" SAE FLAT WASHER (Ni)                    | 8    |
| 42       | 013-1002007             | 3/8" X 22mm FLAT WASHER (Ni)                  | 16   |
| 43       | 013-1002006             | 1/2" X 27mm SAE FLAT WASHER (Ni)              | 16   |
| 44       | 013-1010003             | 5/16" INTERNAL LOCK WASHER (Ni)               | 7    |
| 45       | 013-1006003             | 3/8" SPLIT LOCK WASHER (Ni)                   | 8    |
| 46       | 013-1006004             | 1/2" SPLIT LOCK WASHER (Ni)                   | 2    |
| 47       | 011-0704001             | 3/8-16UNC X .75" SQUARE HEAD (Ni)             | 1    |
| 48       | 011-0416098             | 10mm X 45mm SHSS (Ni)                         | 1    |
| 49       | 011-0701004             | 5/16"-18UNC X 1.25" BHCS (Ni)                 | 7    |
| 51       | 011-0701084             | 3/8"-16UNC X 1.25" BHCS (Ni) W/ DRI-LOC PATCH | 2    |
| 52       | 011-0701021             | 3/8"-16UNC X 1.25" BHCS (Ni)                  | 4    |
| 53       | 011-0701048             | 1/2"-13UNC X 1.25" BHCS (Ni)                  | 2    |
| 54       | 011-0701049             | 1/2"-13UNC X 1.50" BHCS (Ni)                  | 2    |
| 55       | 011-0702020             | 3/8"-16UNC X 1.00" FHCS (Ni) W/NYLON PATCH    | 1    |
| 56       | 011-0702009             | 3/8"-16UNC X 2.50" FHCS (Ni)                  | 3    |
| 57       | 011-0702025             | 1/2"-13UNC X 1.25" FHS (Ni)                   | 2    |
| 58       | 011-0116145             | 3/8"-16UNC X 1.75" LOW HEAD SHCS (Ni)         | 1    |
| 59       | 011-0116152             | 3/8"-16UNC X 3.50" LOW HEAD SHCS (Ni)         | 2    |
| 60       | 011-0116108             | 1/2"-13UNC X 1.25" LOW HEAD SHCS (Ni)         | 2    |
| 61       | 011-0116116             | 1/2"-13UNC X 3.25" LOW HEAD SHCS (Ni)         | 2    |
| 62       | 012-0504010             | 8M X 1.25 THIN NYLOCK NUT (Ni)                | 1    |
| 63       | 012-0504005             | 3/8"-16 UNC THIN NYLOCK NUT (Ni)              | 6    |
| 64       | 012-0504002             | 1/2"-13 UNC THIN NYLOCK NUT (Ni)              | 8    |
| 66       | 021-0003230             | DECAL HOIST 1.625" X 6.0613"                  | 3    |
| 74       | SERIAL # DECAL          | DECAL HOIST SERIAL # 1.63" X 2.63"            | 1    |
| 75       | 021-0003914             | DUAL SERIES EYEBALL DECAL                     | 1    |
| 76       | 022-01PD2082-A          | HIP PAD ASSEMBLY                              | 1    |
| 77       | 011-0115005             | M4 X 10mm FHMS (Ni)                           | 2    |
| 78       | 011-0701111             | 3/8"-16UNC X 1.00" BHCS (Ni) W/ DRI-LOC PATCH | 2    |
| 79       | 021-0003093             | DECAL MOVING PARTS 1.20" X 2.38" (HOR)        | 1    |

# OWNER'S MANUAL

## **PART LIST CONTINUED**

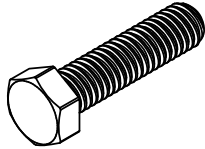
NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

| ITEM NO. | PART NUMBER | DESCRIPTION                                  | QTY. |
|----------|-------------|----------------------------------------------|------|
| 80       | 021-0003138 | DECAL PINCH POINT 1.63" X 2.63" (HORIZONTAL) | 2    |
| 81       | 021-0003883 | PLACARD HD-3100 BICEP/TRICEP                 | 1    |
| 82       | 021-0003915 | HD QR DECAL                                  | 1    |
| 83       | 021-0003941 | HD-3100 WEIGHT STACK DECALS                  | 1    |
| 84       | 021-0003906 | HD-3100 ROM Decal - Tricep                   | 1    |
| 85       | 021-0003907 | HD-3100 ROM Decal - Bicep                    | 1    |
| 86       | 021-0003911 | DECAL ADJUST 1-7 VERTICAL GREY BKGRND        | 1    |
| 87       | 019-0001006 | THICK RUBBER DONUT $\phi$ 3.00" X .50" BLACK | 4    |
| 88       | 021-0003944 | HD WEIGHT STACK #20 DECAL                    | 1    |

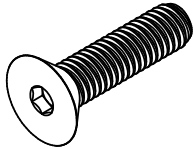
# OWNER'S MANUAL

## ABBREVIATIONS

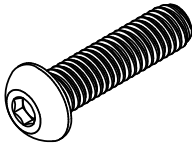
BZ = Black Zinc  
WZ = White Zinc  
SS = Stainless Steel  
NI = Nickel



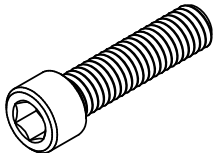
HHB = Hex Head Bolt



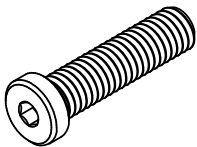
FHCS = Flat Head Cap Screw



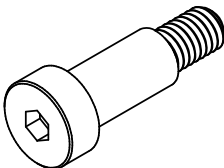
BHCS = Button Head Cap Screw



SHCS = Socket Head Cap Screw



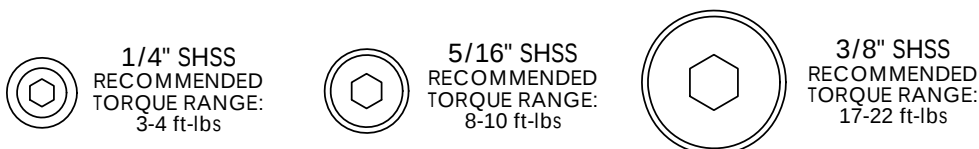
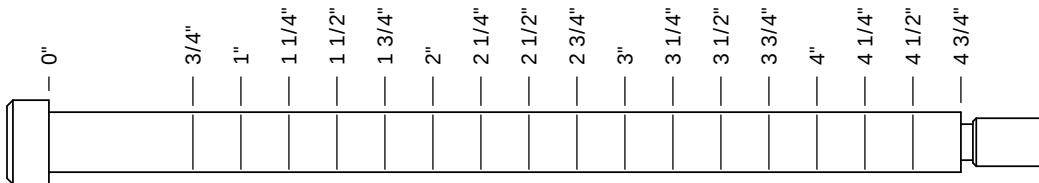
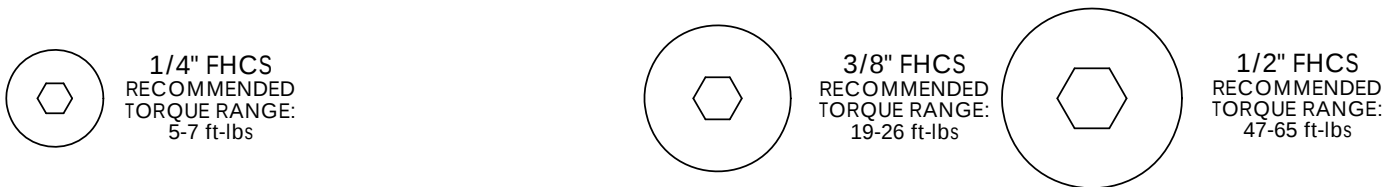
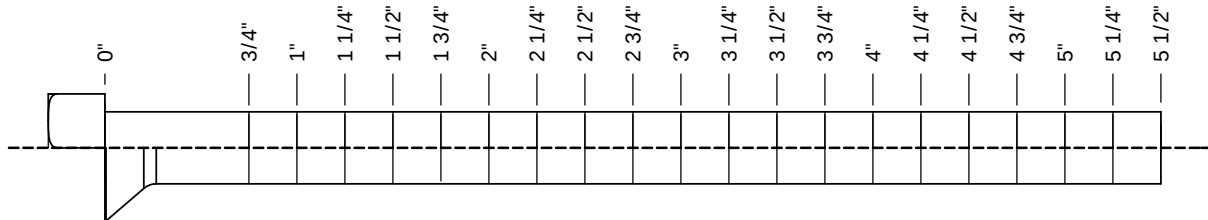
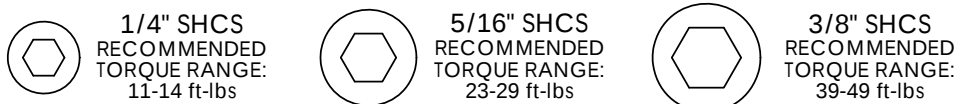
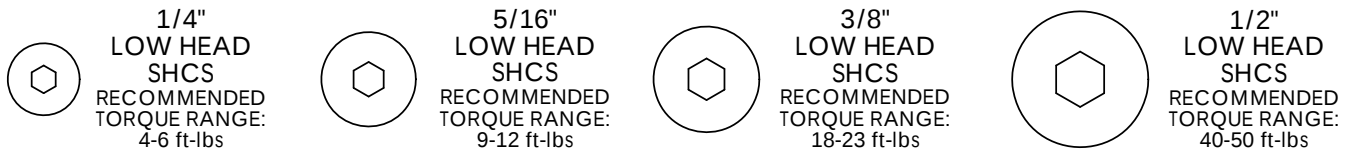
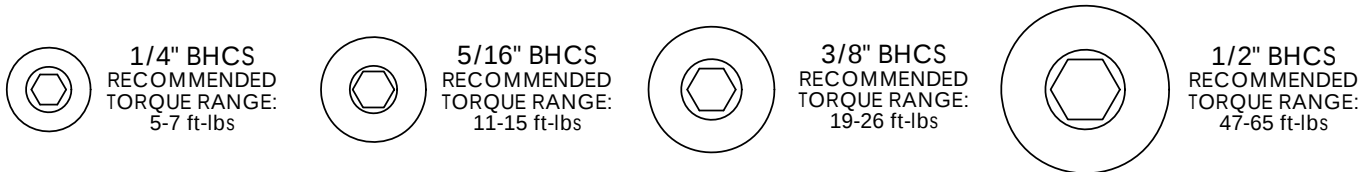
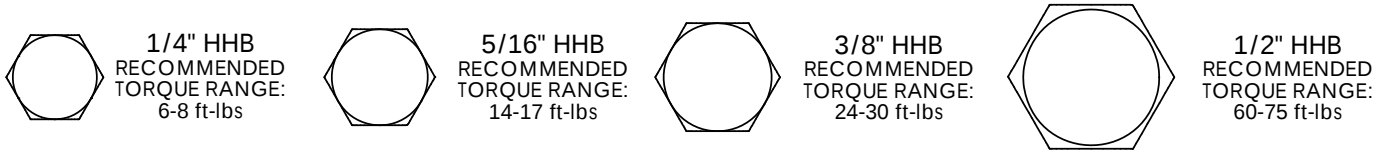
Low Head SHCS = Low Head Socket  
Head Cap Screw



SHSS = Socket Head Shoulder Screw

# OWNER'S MANUAL

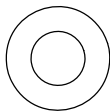
## BOLT SIZING CHART



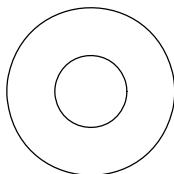
# OWNER'S MANUAL

## WASHER SIZING CHART

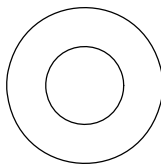
013-0002003  
1/4"  
FLAT WASHER  
SMALL, SAE, 13mm



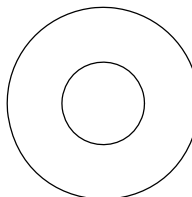
013-0102004  
5/16"  
FLAT WASHER  
LARGE, USS, 22mm



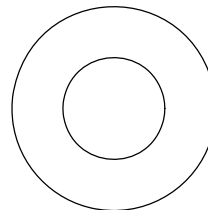
013-0002004  
3/8"  
FLAT WASHER  
SMALL, SAE, 21mm



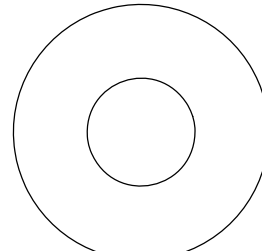
013-0402005  
3/8"  
FLAT WASHER  
LARGE, USS, 25mm



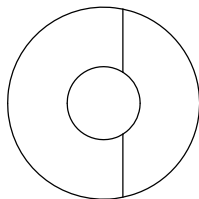
013-0102003  
1/2"  
FLAT WASHER  
SMALL, SAE, 27mm



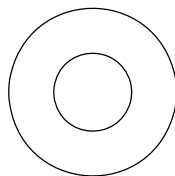
013-0102026  
1/2"  
FLAT WASHER  
LARGE, USS, 34mm



013-0102028  
3/8"  
CURVED WASHER



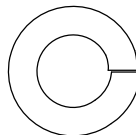
013-0402007  
3/8"  
FLAT WASHER  
22mm O.D.



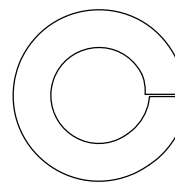
013-0102019  
1/4"  
LOCK WASHER



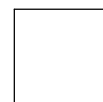
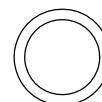
013-0102020  
3/8"  
LOCK WASHER



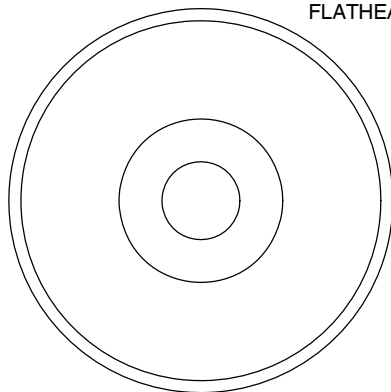
013-0102018  
1/2"  
LOCK WASHER



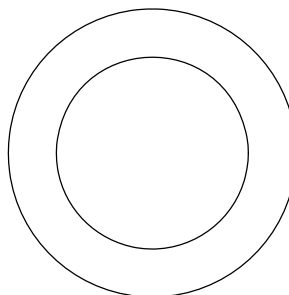
014-0018001  
1/2" LONG  
SPACER



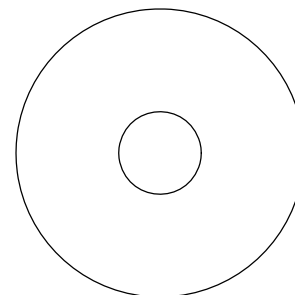
026-01M0238  
2" ALUMINUM  
FLATHEAD CAP



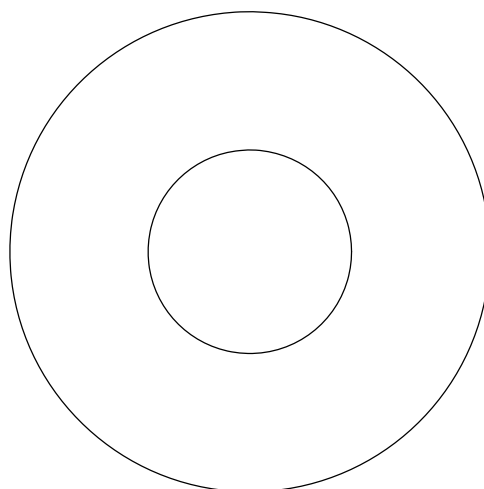
016-0009003  
1" SHIM WASHER



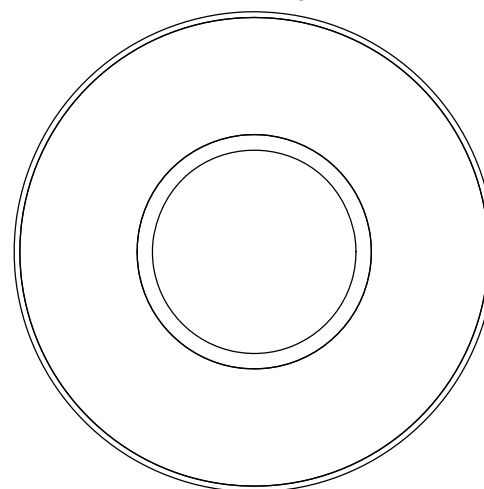
013-0003002  
3/8" FENDER WASHER



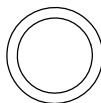
013-0003004  
1 1/16"  
FENDER WASHER



026-01PL151  
PLASTIC 1 1/16"  
FENDER WASHER

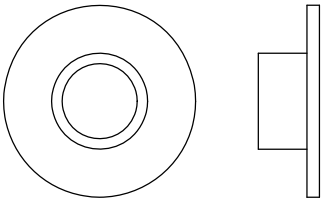


014-0018002  
1" LONG  
SPACER

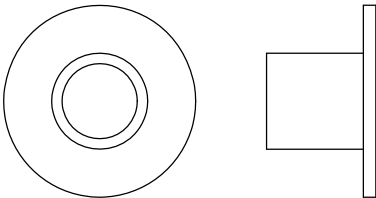


WASHER SIZING CHART  
(CONTINUED)

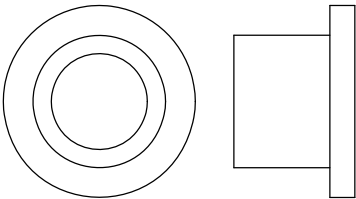
026-01M0211  
1/4" LONG  
FLANGED SPACER



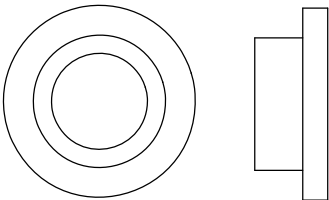
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1/2" LONG  
FLANGED SPACER



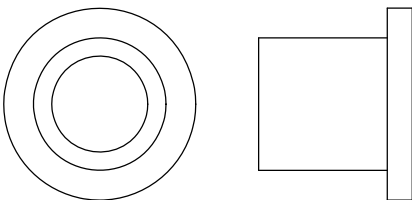
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1/2" LONG HEAVY  
FLANGED SPACER



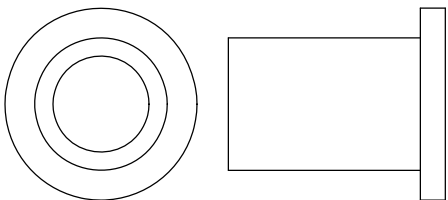
026-01M211T  
1/4" LONG HEAVY  
FLANGED SPACER



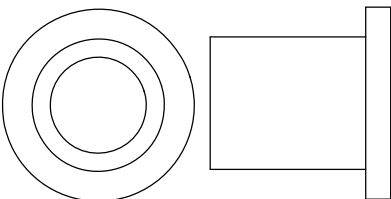
026-01M0532  
11/16" LONG HEAVY  
FLANGED SPACER



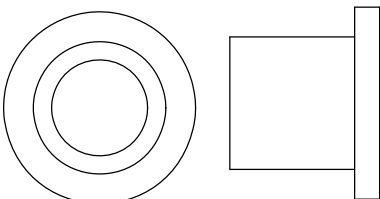
026-01M0551  
1" LONG HEAVY  
FLANGED SPACER



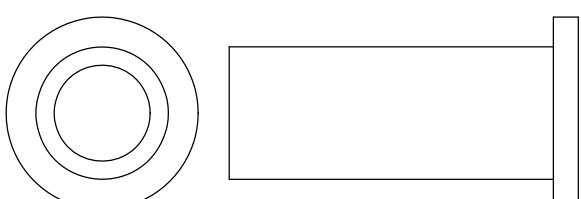
026-01M0788  
.81" LONG HEAVY  
FLANGED SPACER



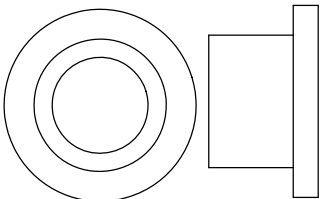
026-01M0780  
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FLANGED SPACER



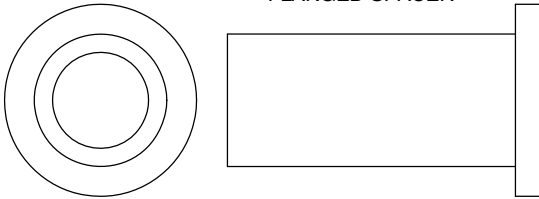
026-01M0761  
1 11/16" LONG HEAVY  
FLANGED SPACER



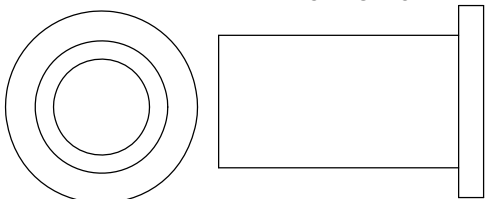
026-01M0789  
.44" LONG HEAVY  
FLANGED SPACER



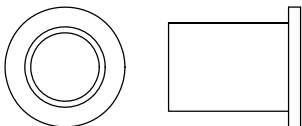
026-01M0762  
1 1/2" LONG HEAVY  
FLANGED SPACER



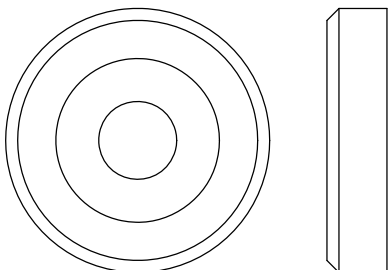
026-01M0768  
1 1/4" LONG HEAVY  
FLANGED SPACER



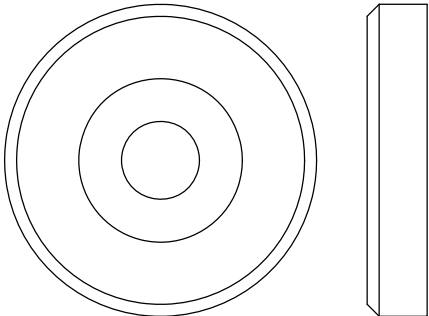
026-01M0600  
.625" LONG  
FLANGED SPACER



026-01M0240  
1 3/8" ALUMINUM  
FLATHEAD CAP



026-01M0239  
1 5/8" ALUMINUM  
FLATHEAD CAP



# OWNER'S MANUAL

## MAINTENANCE SCHEDULE

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

*Never use ammonia, acid-based, or petroleum-based solvents on  
any portion of the machine as it may damage the finish.*

# OWNER'S MANUAL

## **HOIST FITNESS SYSTEMS GENERAL MAINTENANCE INFORMATION**

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

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

### **Upholstery:**

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

### **Decals:**

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

### **Nuts and Bolts:**

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

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

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

### **Belts and Cables:**

- \*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 have been replaced.

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

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

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

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

### **Linear Bearings:**

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

**PLEASE KEEP THIS FOR YOUR RECORDS**

# OWNER'S MANUAL

## WEIGHT TRAINING TIPS

Use this manual to guide you through the basic exercises you can perform on your HD-3100 HOIST® Fitness System. To gain maximum results and avoid possible injury, consult a fitness professional to develop your complete exercise program.

Always consult your physician before starting any exercise program.

To be successful in your exercise program, it is important to develop an understanding of the basic principles of strength training. Now that you have your HD-3100 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.

**Enjoy your HD-3100 HOIST® Fitness System!**

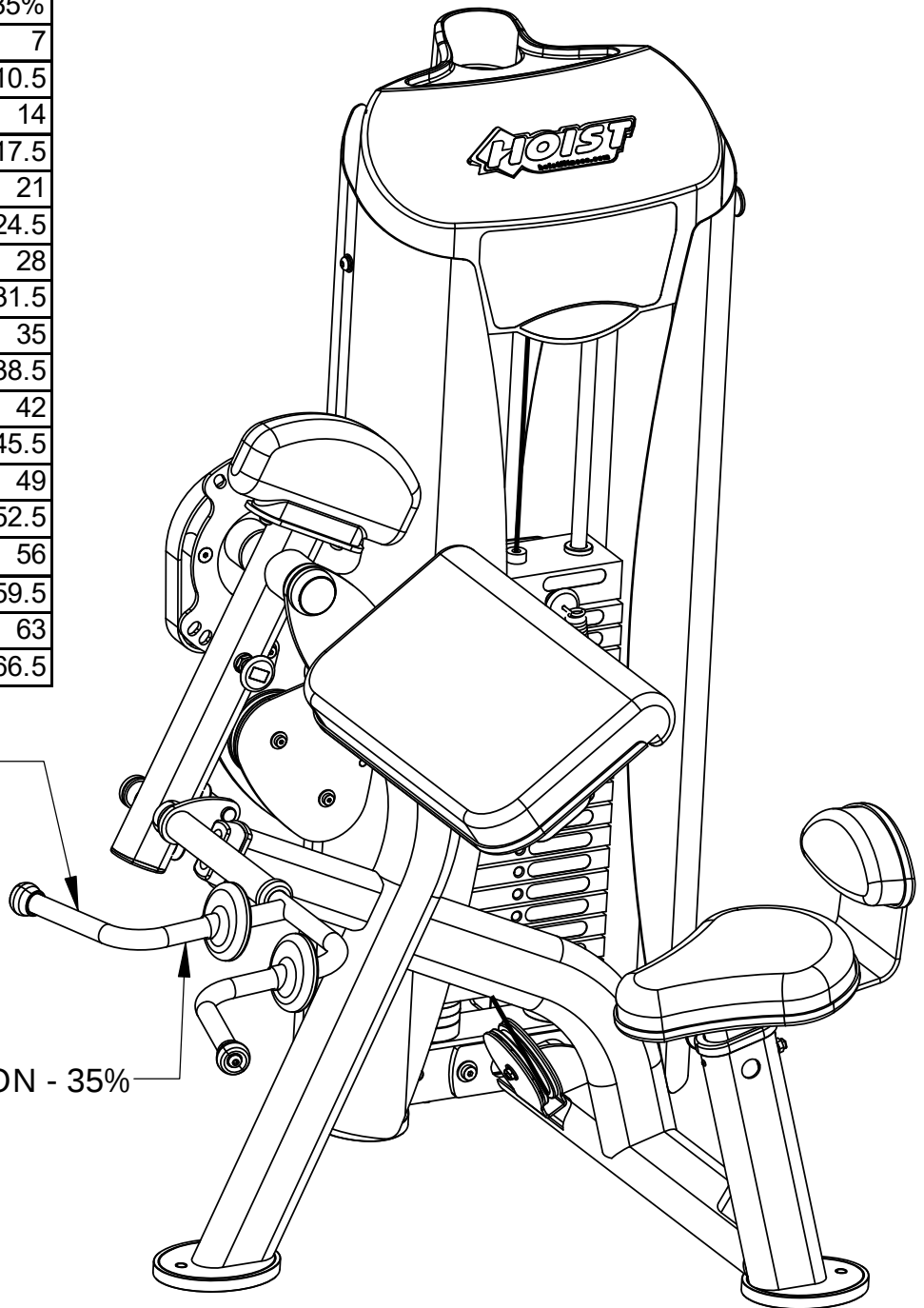
# OWNER'S MANUAL

## WEIGHT RATIOS

| NUMBER<br>OF PLATES | BICEP | TRICEP |
|---------------------|-------|--------|
|                     | 42%   | 35%    |
| 1                   | 8.4   | 7      |
| 2                   | 12.6  | 10.5   |
| 3                   | 16.8  | 14     |
| 4                   | 21    | 17.5   |
| 5                   | 25.2  | 21     |
| 6                   | 29.4  | 24.5   |
| 7                   | 33.6  | 28     |
| 8                   | 37.8  | 31.5   |
| 9                   | 42    | 35     |
| 10                  | 46.2  | 38.5   |
| 11                  | 50.4  | 42     |
| 12                  | 54.6  | 45.5   |
| 13                  | 58.8  | 49     |
| 14                  | 63    | 52.5   |
| 15                  | 67.2  | 56     |
| 16                  | 71.4  | 59.5   |
| 17                  | 75.6  | 63     |
| 18                  | 79.8  | 66.5   |

BICEP CURL - 42%

TRICEP EXTENSION - 35%



The above chart shows the standard weight stack for this unit. The weights listed are approximate. HOIST reserves the right to modify the machine without prior notice.

# OWNER'S MANUAL

# WEIGHT TRAINING EXERCISE LOG

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

[illegible]

# OWNER'S MANUAL

## **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.

**WARRANTY CLAIMS.** All claims require: **Model number, Serial number, Date of installation, and any information supporting the existence of the alleged defect.**

To complete Warranty Registration visit:  
[www.HOISTFITNESS.com](http://www.HOISTFITNESS.com)  
and click on the Warranty Registration link

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

**COMMERCIAL USE:** All malfunctions of upholstery, grips, and coatings that occur up to one year; all malfunctions of belts, or cables up to one year; all malfunctions of pulleys, bearings, or bushings that occur up to three years. The frame and body components are warranted for ten years, with structural moving parts warranted for five years.

**LIGHT COMMERCIAL USE:** All malfunctions of upholstery, grips, and coatings that occur up to one year; all malfunctions of belts, or cables up to one year; all malfunctions of pulleys, bearings, or bushings that occur up to three years. The frame and body components are warranted for ten years, with structural moving parts warranted for five years.

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

**PLEASE NOTE THAT NOT ALL HOIST PRODUCTS ARE MADE FOR COMMERCIAL USE.** Refer to the instructions page of your owners manual or consult with you fitness product dealer to establish if a product is made for commercial use or not. Using a non-commercial product in a commercial setting can result in serious injury or death! 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.

**LIGHT COMMERCIAL USE:** Our Light Commercial warranty applies to facilities that **DO NOT** charge monthly membership dues and where the equipment would be used by **no more than 50** people per day. Examples of Light Commercial facilities include hotels, apartment complexes, personal training studios, fire stations, police stations, etc., that meet the criteria stated above.

**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.

**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.

Hoist Fitness Systems  
11900 Community Rd.  
Poway, CA. 92064  
(800)548-5438

**PLEASE KEEP THIS FOR YOUR RECORDS**