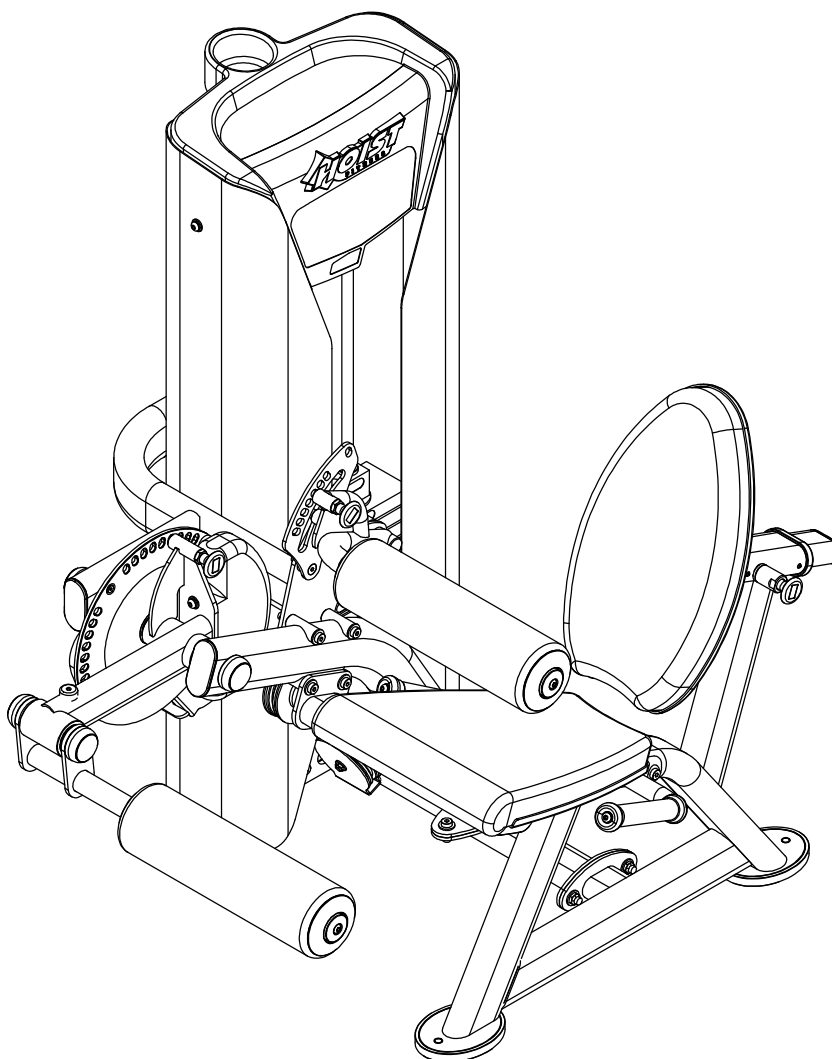


OWNER'S MANUAL



HD-3400 LEG CURL / LEG EXTENSION



****WARNING!****

TO PREVENT POSSIBLE TIPPING, BOLT THIS UNIT TO THE EXERCISE FLOOR USING MINIMUM 4-1/2" LONG BOLTS. 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

B00

Customer Service

(800) 548-5438

(858) 578-7676

Fax

(858) 578-9558



www.facebook.com/hoistfitness

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

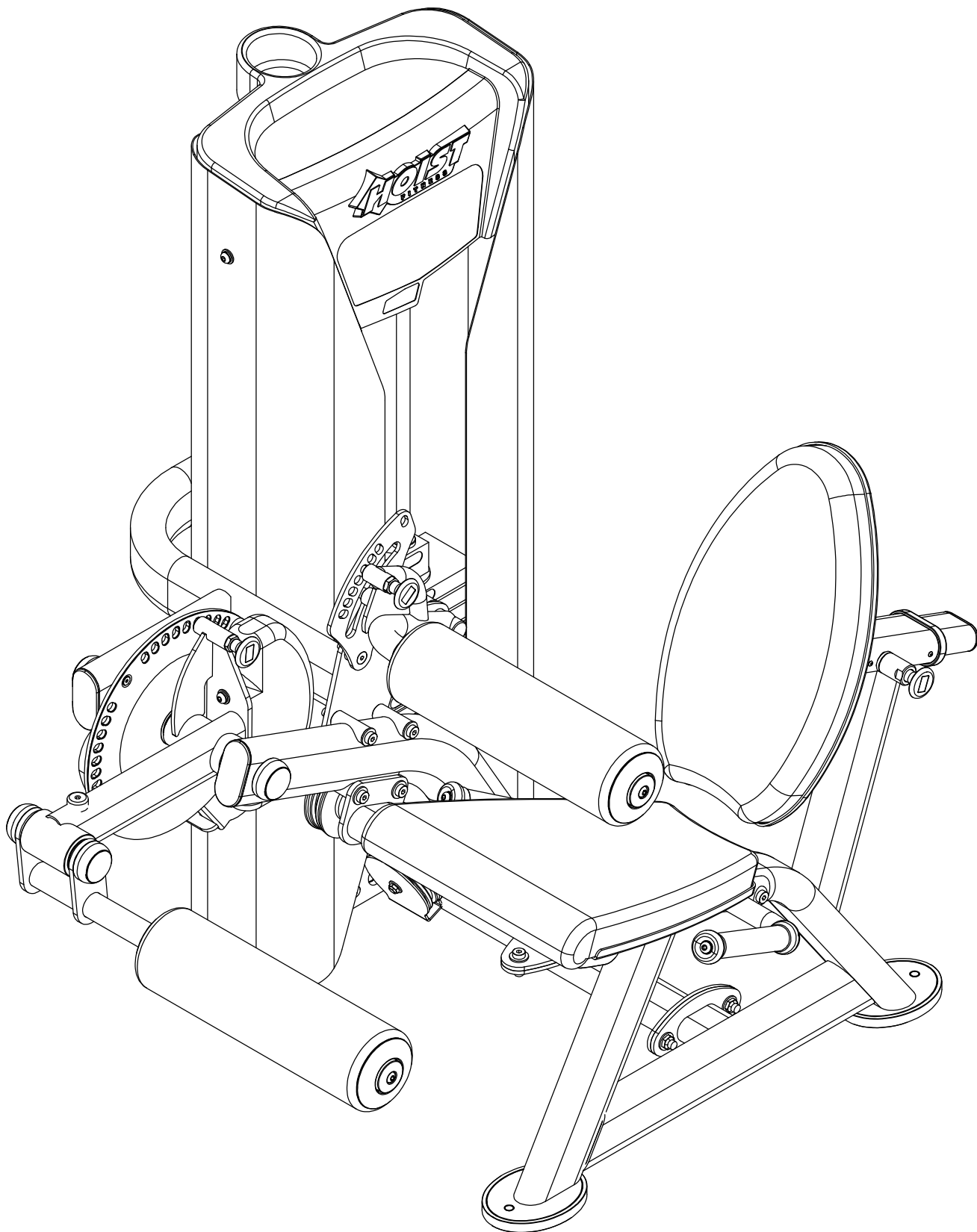
Two People

OWNER'S MANUAL

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OWNER'S MANUAL

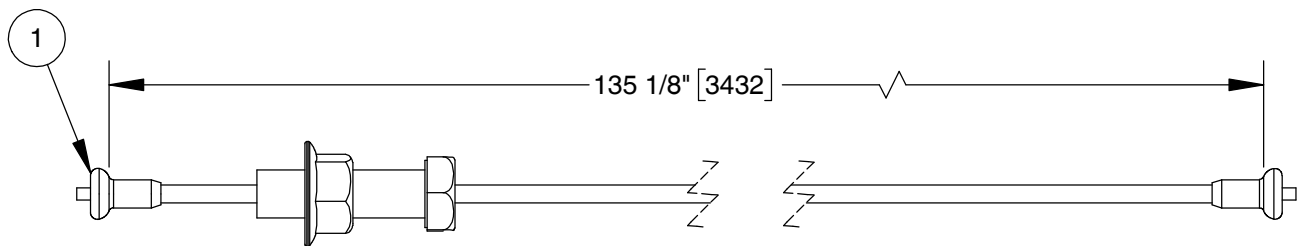
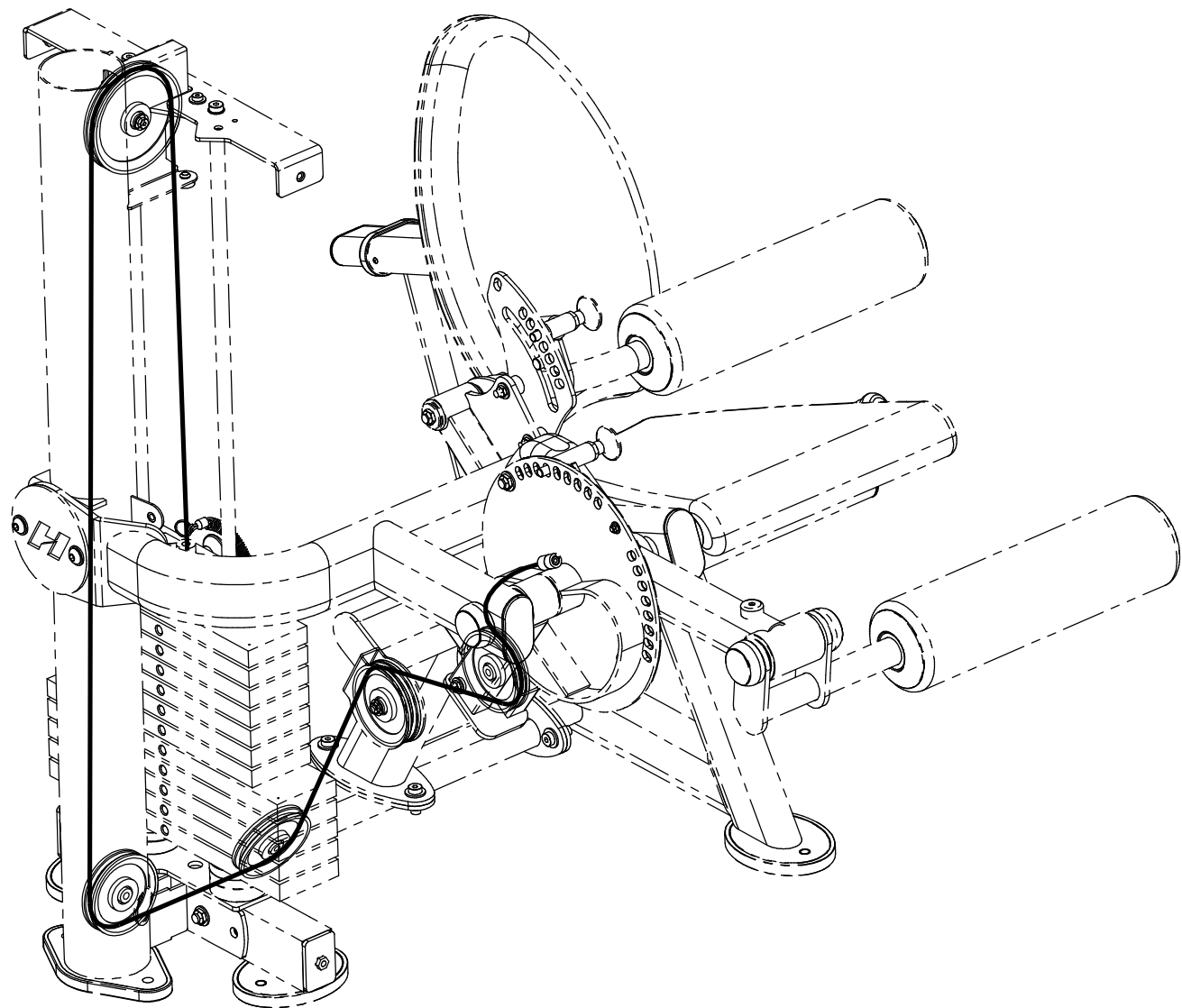
FRAME ASSEMBLY



OWNER'S MANUAL

FRAME ASSEMBLY

CABLE PROFILE VIEW



OWNER'S MANUAL

FRAME ASSEMBLY

REFER TO RS-CAGE-NG MANUAL BEFORE BEGINNING THIS STEP

NOTE:

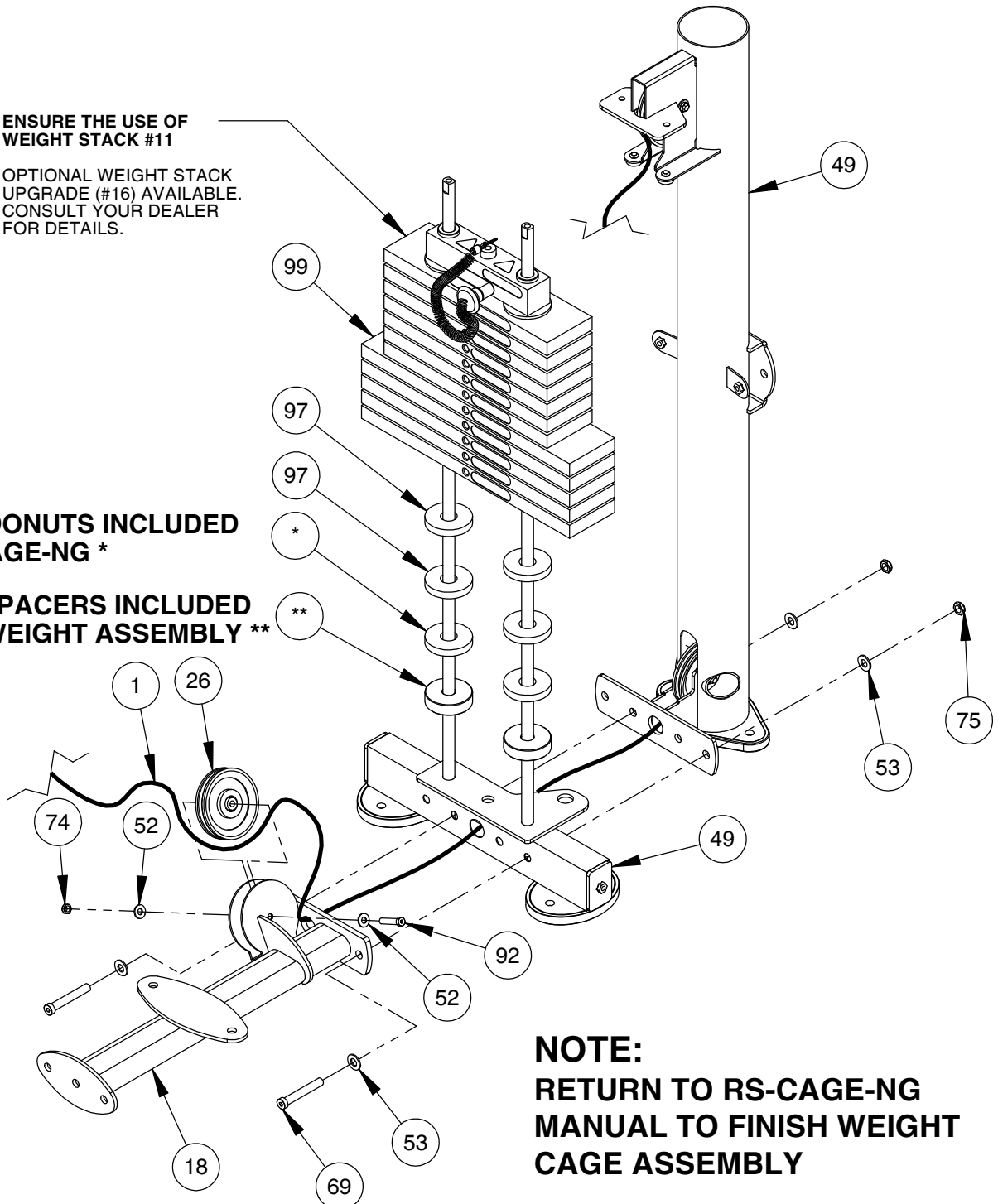
- WRENCH TIGHTEN HARDWARE (92).
- HAND TIGHTEN HARDWARE.
- INSTALL CABLE AND PULLEYS AT THE SAME TIME.
- SOME PARTS MAY HAVE BEEN REMOVED FOR CLARITY.

ENSURE THE USE OF
WEIGHT STACK #11

OPTIONAL WEIGHT STACK
UPGRADE (#16) AVAILABLE.
CONSULT YOUR DEALER
FOR DETAILS.

*** RUBBER DONUTS INCLUDED
WITH RS-CAGE-NG ***

**** DELRIN SPACERS INCLUDED
WITH TOP WEIGHT ASSEMBLY ****

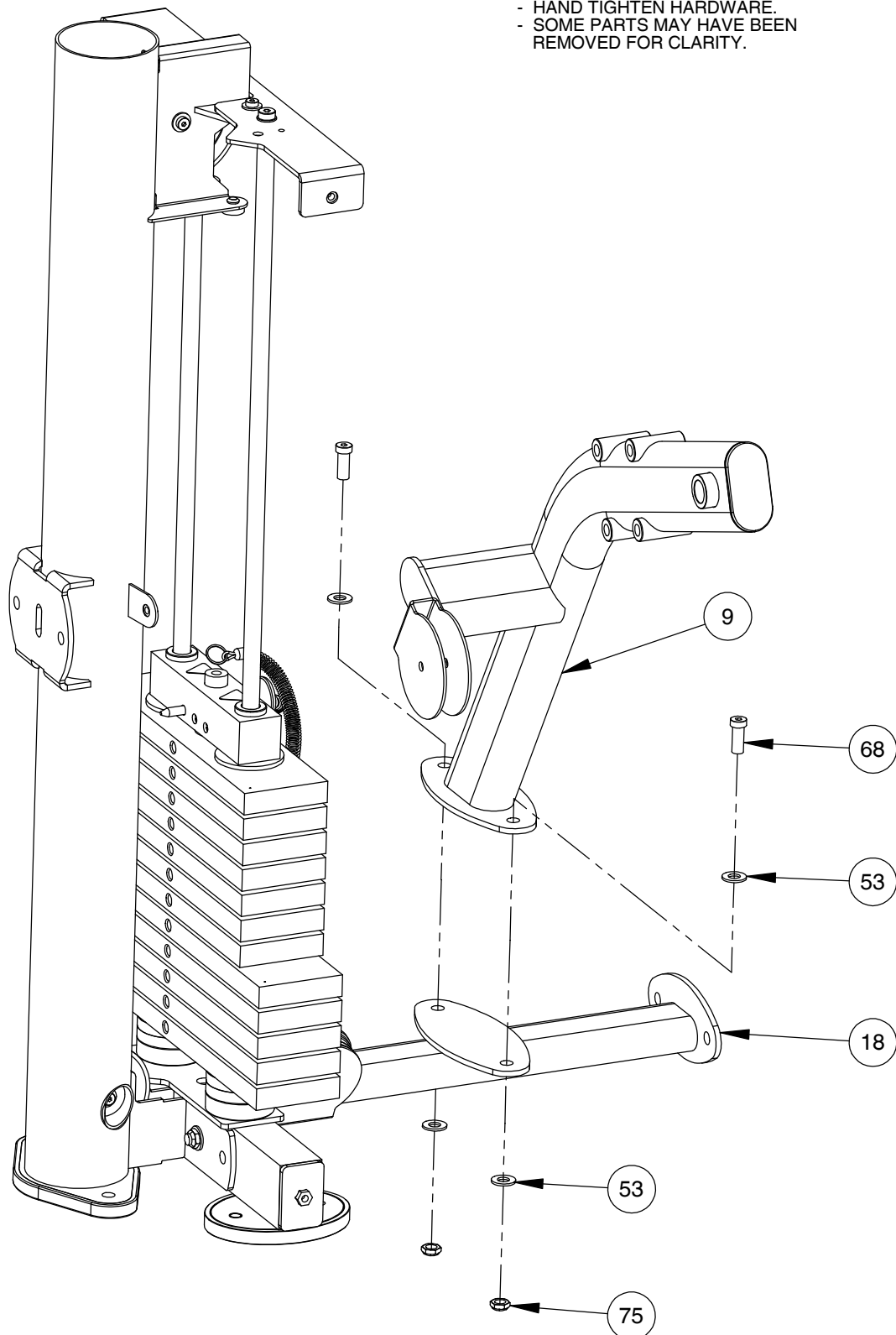


NOTE:
**RETURN TO RS-CAGE-NG
MANUAL TO FINISH WEIGHT
CAGE ASSEMBLY**

OWNER'S MANUAL

FRAME ASSEMBLY

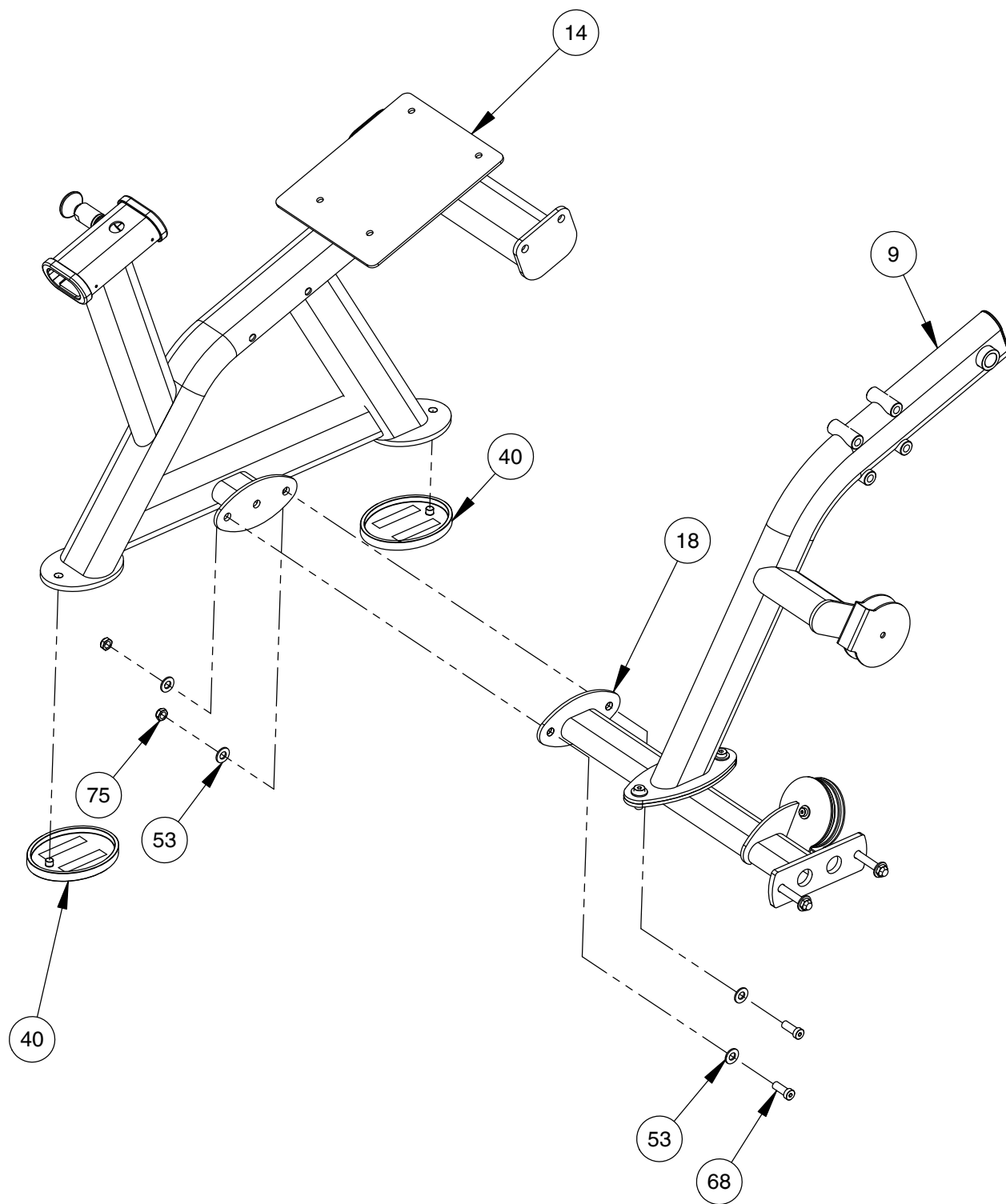
NOTE:
- HAND TIGHTEN HARDWARE.
- SOME PARTS MAY HAVE BEEN
REMOVED FOR CLARITY.



OWNER'S MANUAL

FRAME ASSEMBLY

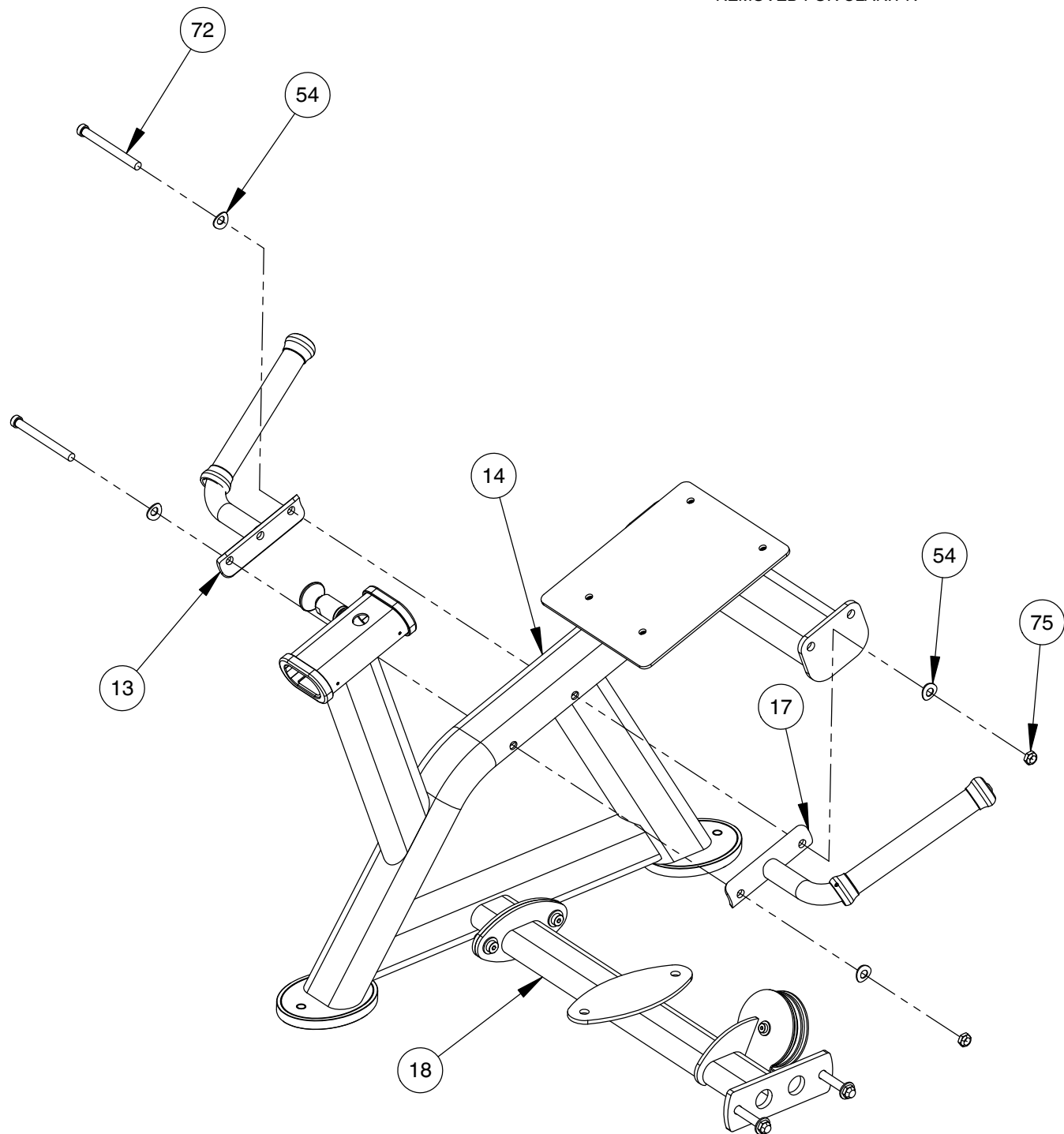
NOTE:
- HAND TIGHTEN HARDWARE.
- SOME PARTS MAY HAVE BEEN
REMOVED FOR CLARITY.



OWNER'S MANUAL

FRAME ASSEMBLY

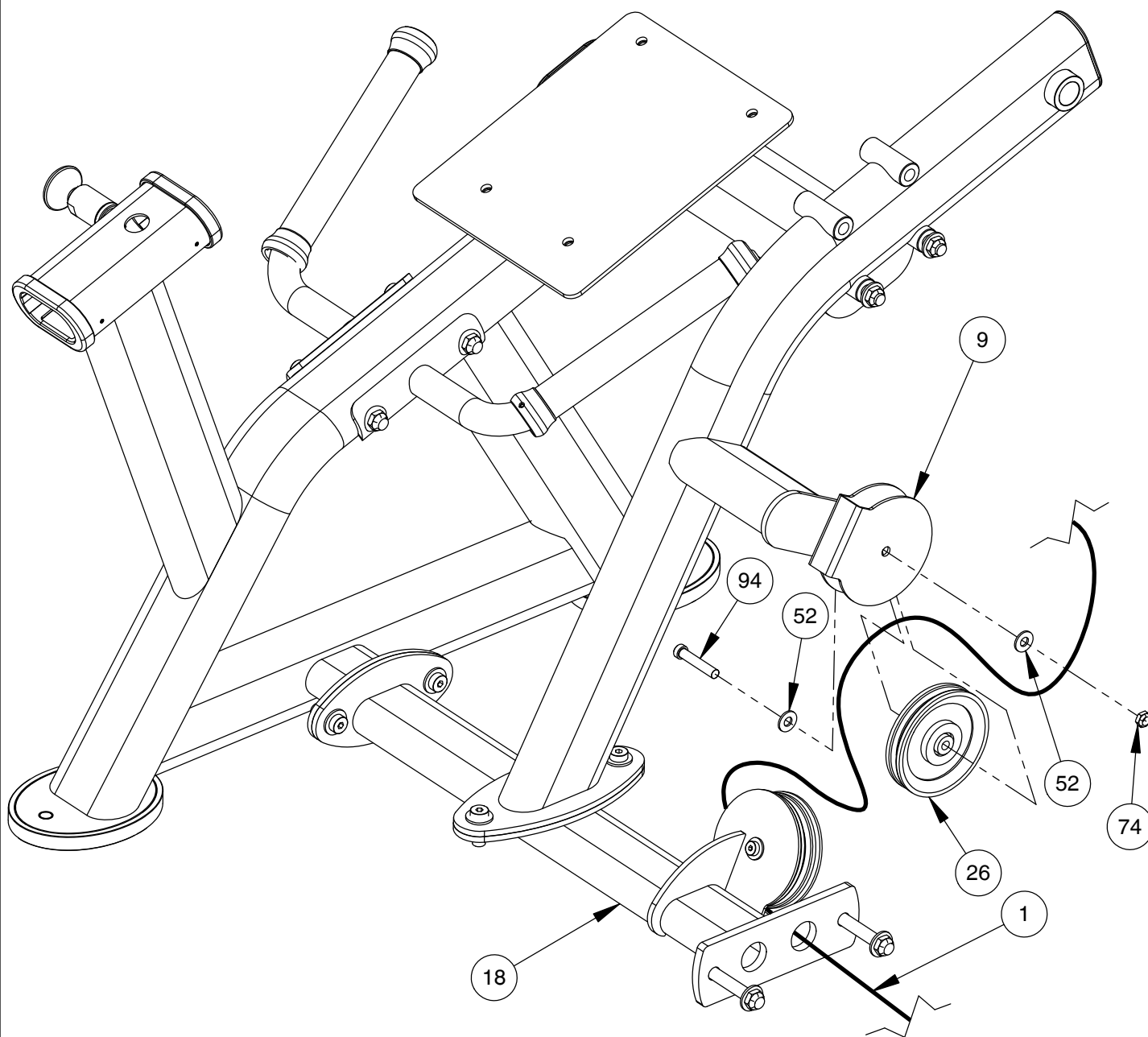
NOTE:
- HAND TIGHTEN HARDWARE.
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OWNER'S MANUAL

FRAME ASSEMBLY

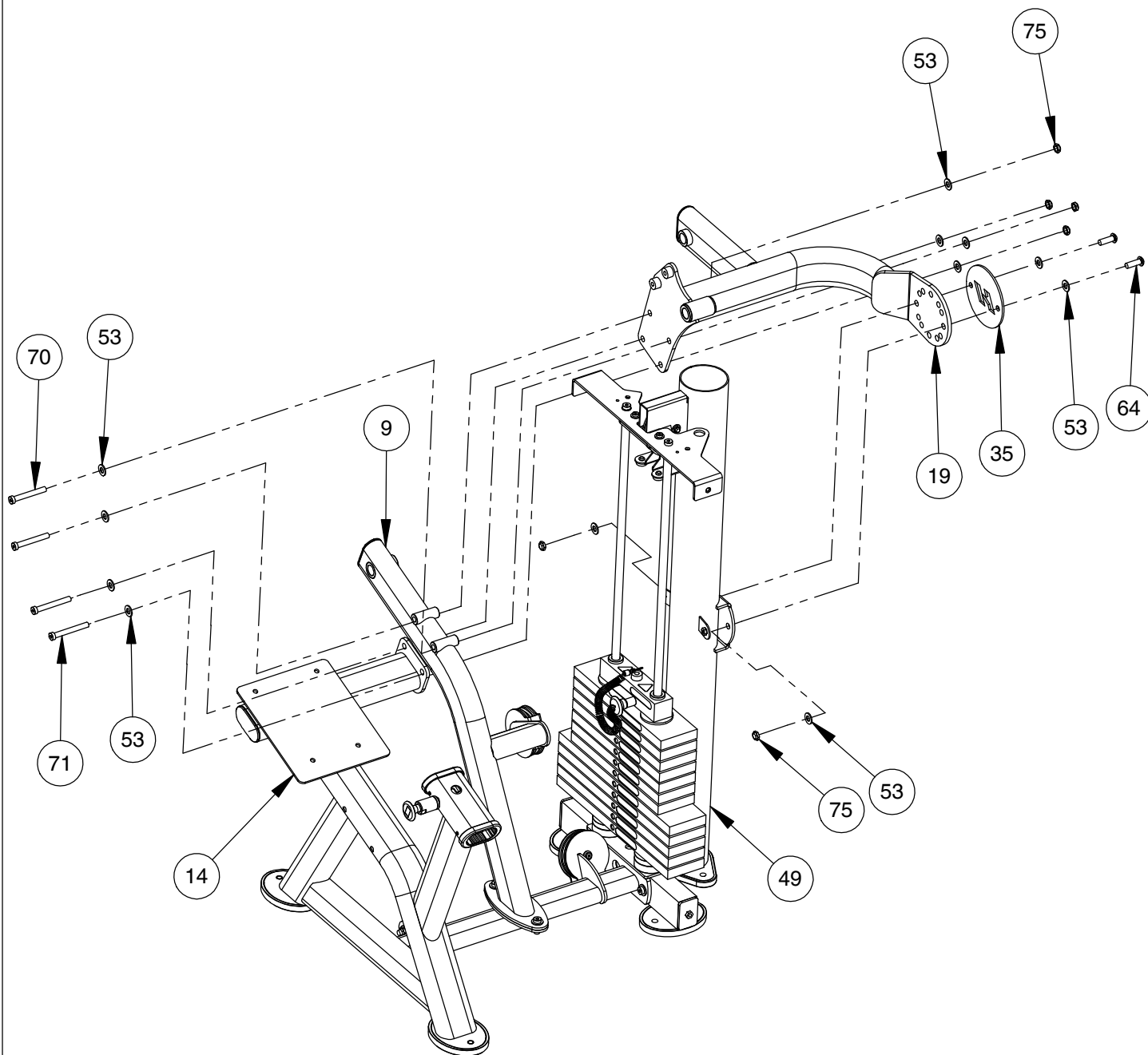
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- WRENCH TIGHTEN HARDWARE.
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OWNER'S MANUAL

FRAME ASSEMBLY

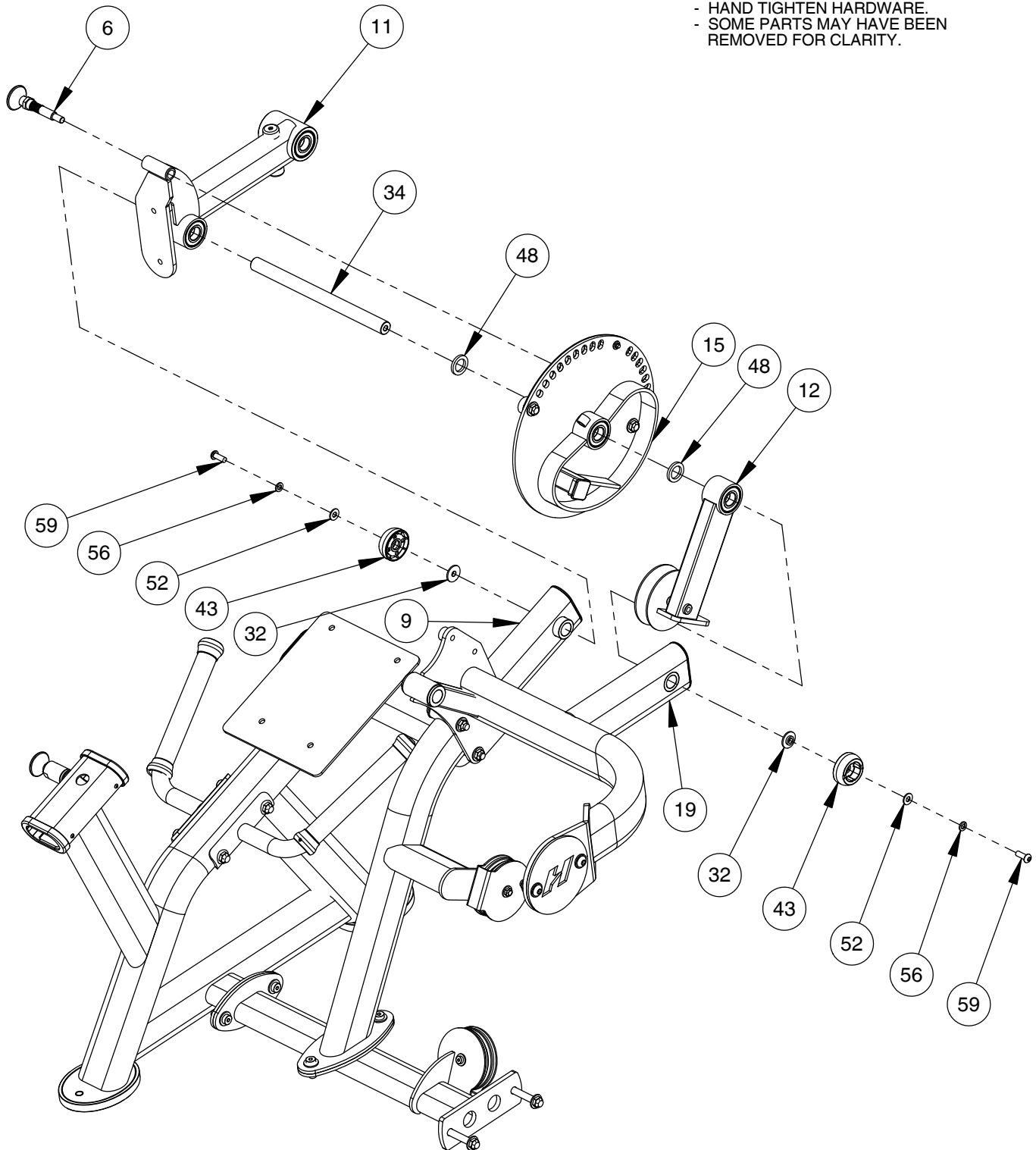
NOTE:
- HAND TIGHTEN HARDWARE.
- SOME PARTS MAY HAVE BEEN
REMOVED FOR CLARITY.



OWNER'S MANUAL

FRAME ASSEMBLY

NOTE:
- HAND TIGHTEN HARDWARE.
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REMOVED FOR CLARITY.

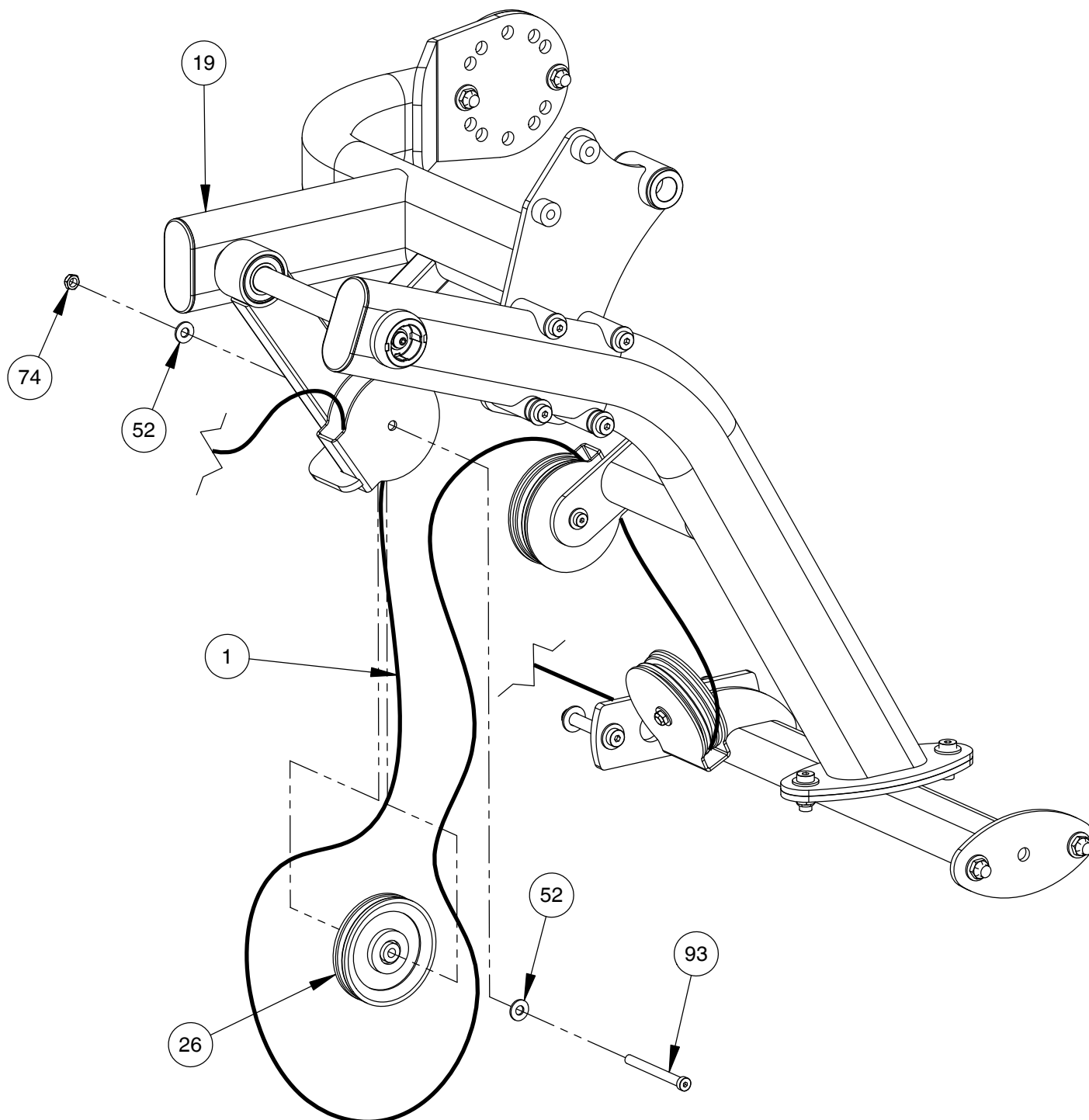


OWNER'S MANUAL

FRAME ASSEMBLY

NOTE:

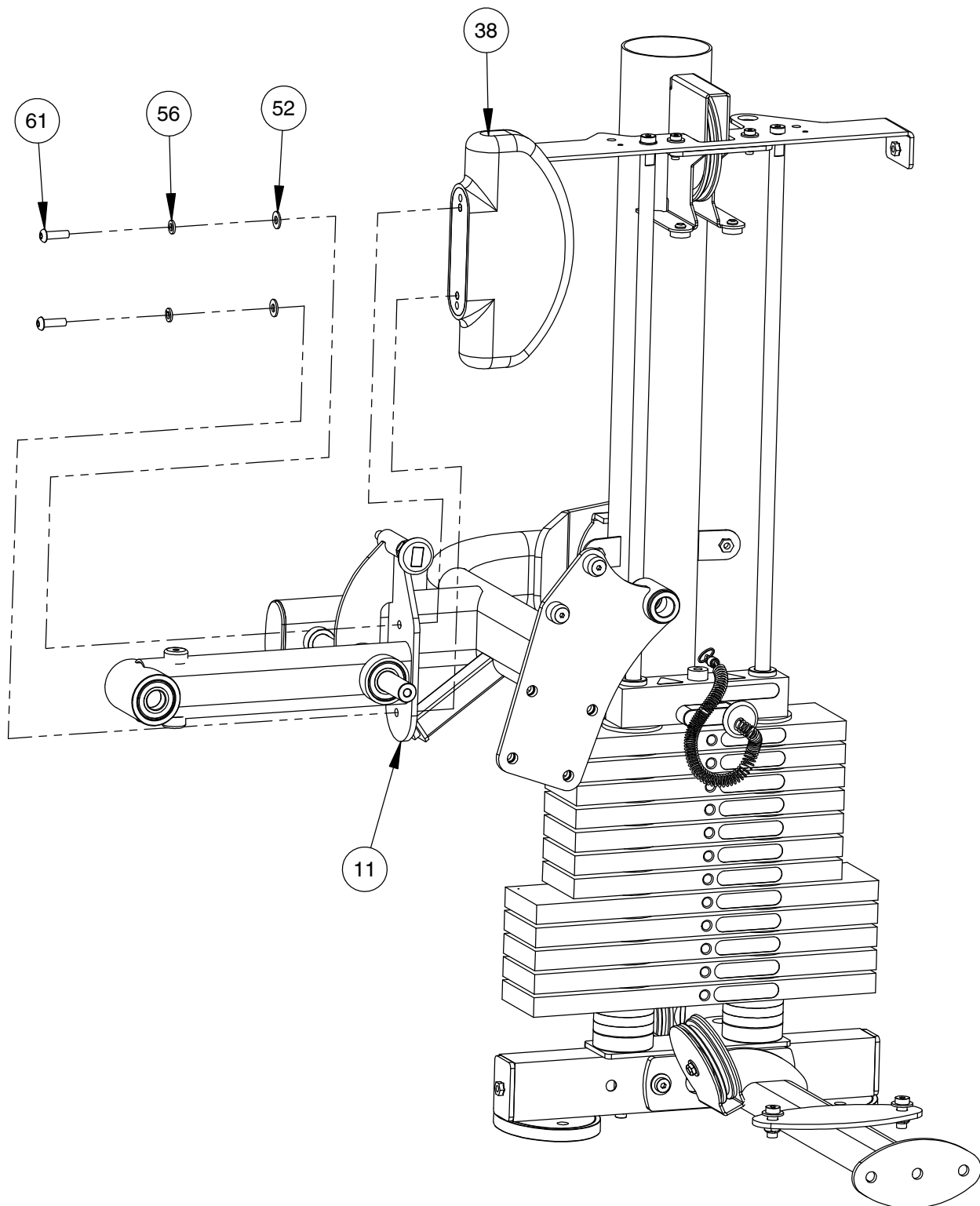
- WRENCH TIGHTEN HARDWARE.
- INSTALL CABLE AND PULLEYS AT THE SAME TIME.
- SOME PARTS MAY HAVE BEEN REMOVED FOR CLARITY.



OWNER'S MANUAL

FRAME ASSEMBLY

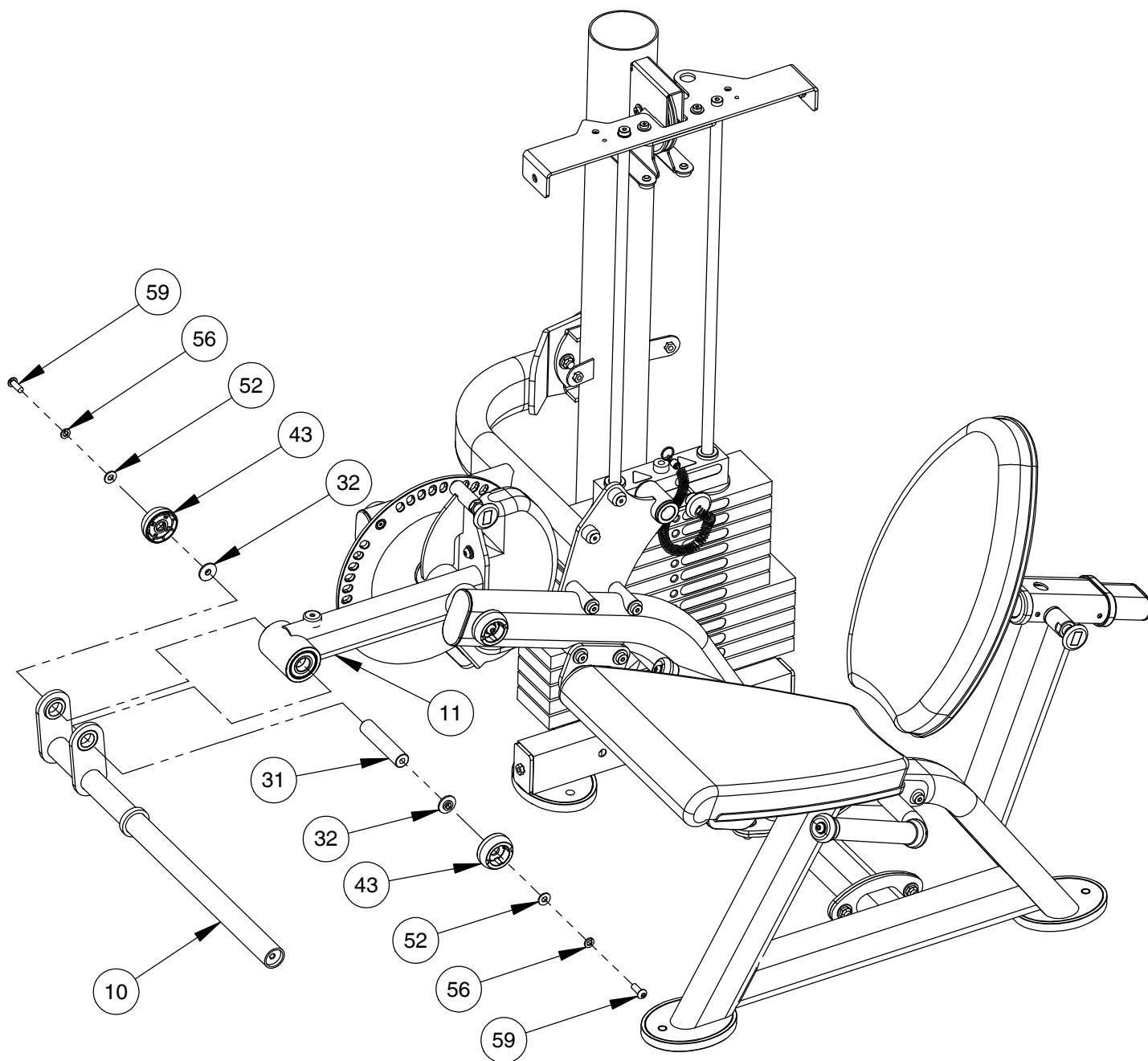
NOTE:
- HAND TIGHTEN HARDWARE.
- SOME PARTS MAY HAVE BEEN
REMOVED FOR CLARITY.



OWNER'S MANUAL

FRAME ASSEMBLY

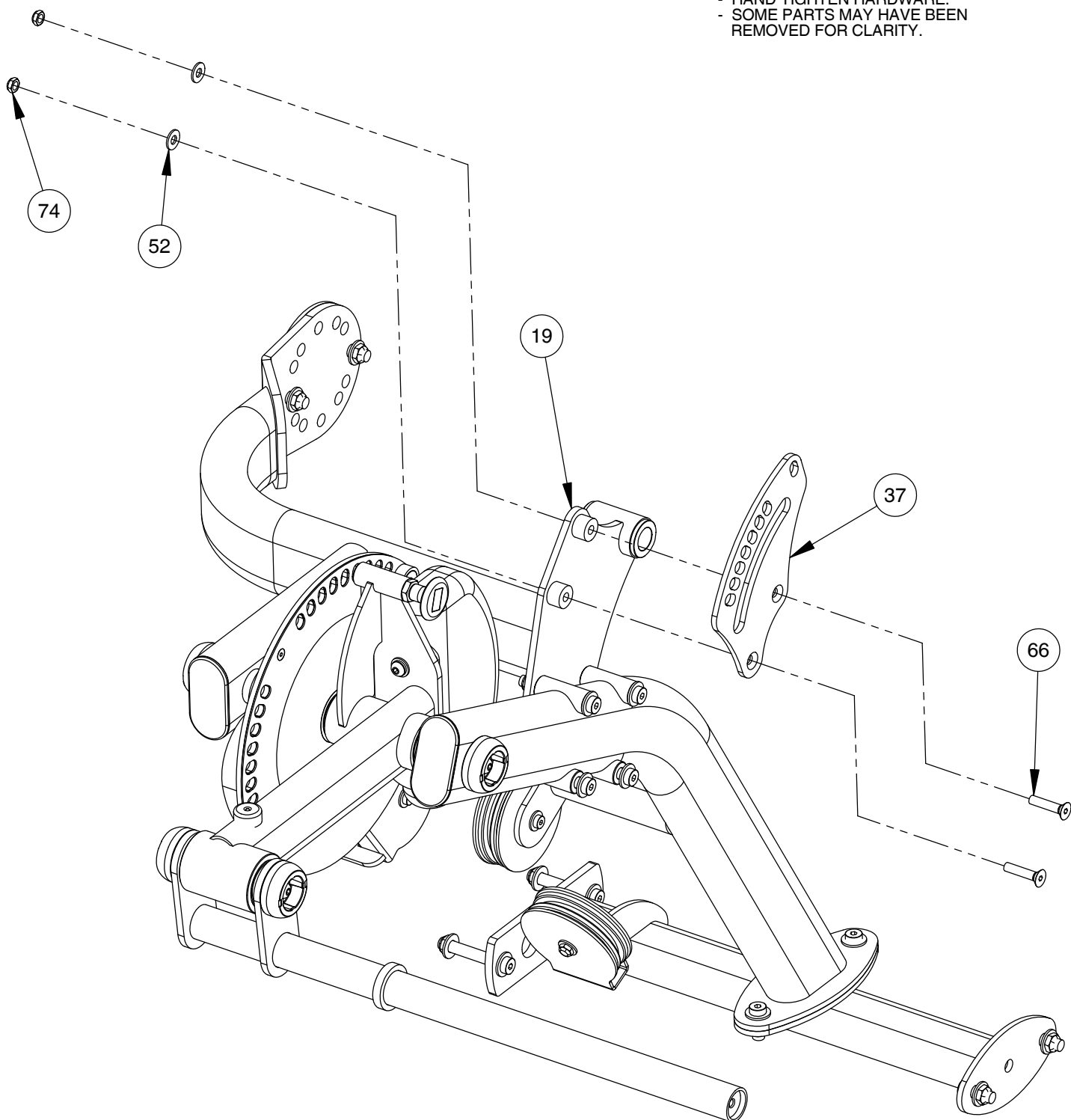
NOTE:
- HAND TIGHTEN HARDWARE.
- SOME PARTS MAY HAVE BEEN
REMOVED FOR CLARITY.



OWNER'S MANUAL

FRAME ASSEMBLY

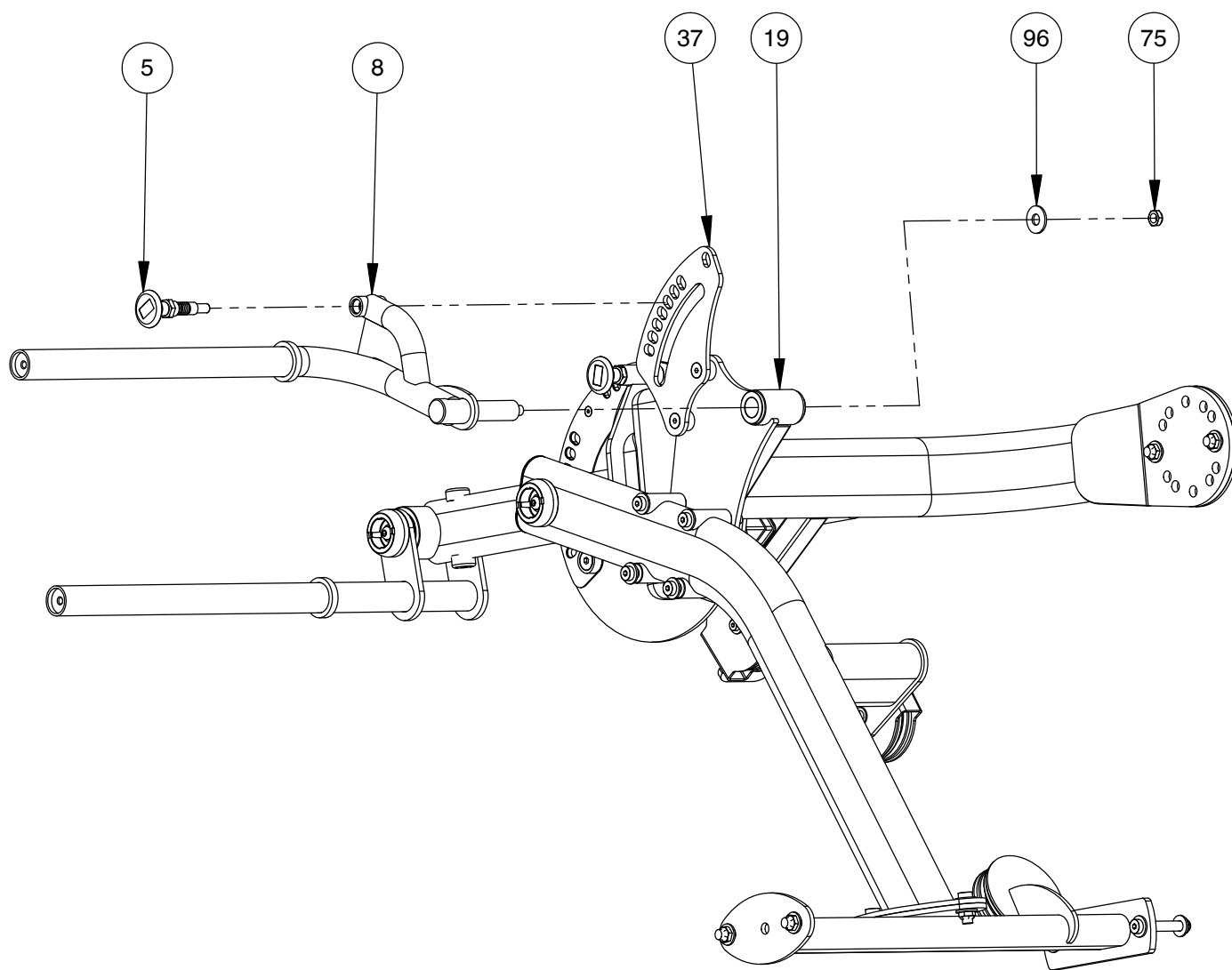
NOTE:
- HAND TIGHTEN HARDWARE.
- SOME PARTS MAY HAVE BEEN
REMOVED FOR CLARITY.



OWNER'S MANUAL

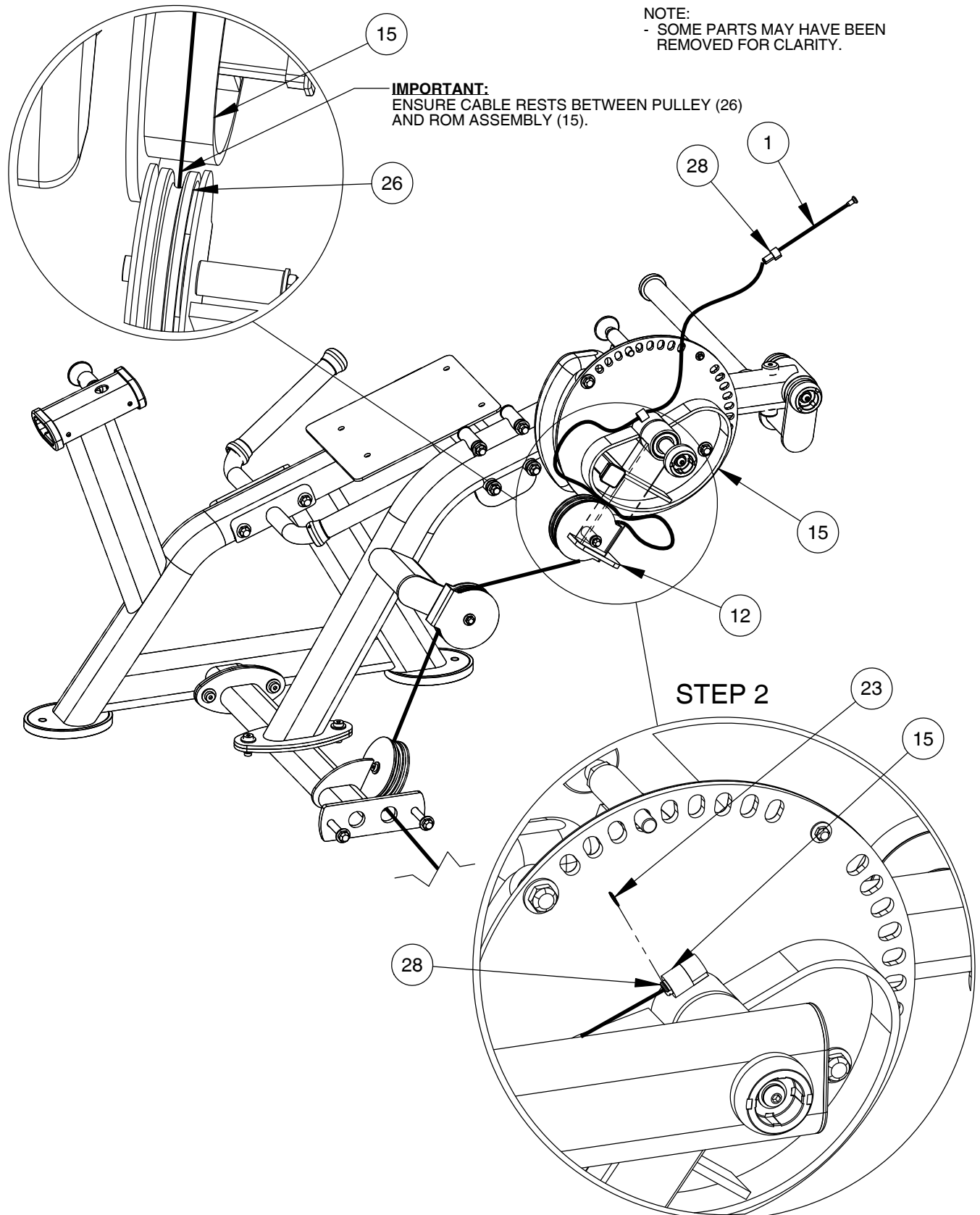
FRAME ASSEMBLY

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



OWNER'S MANUAL

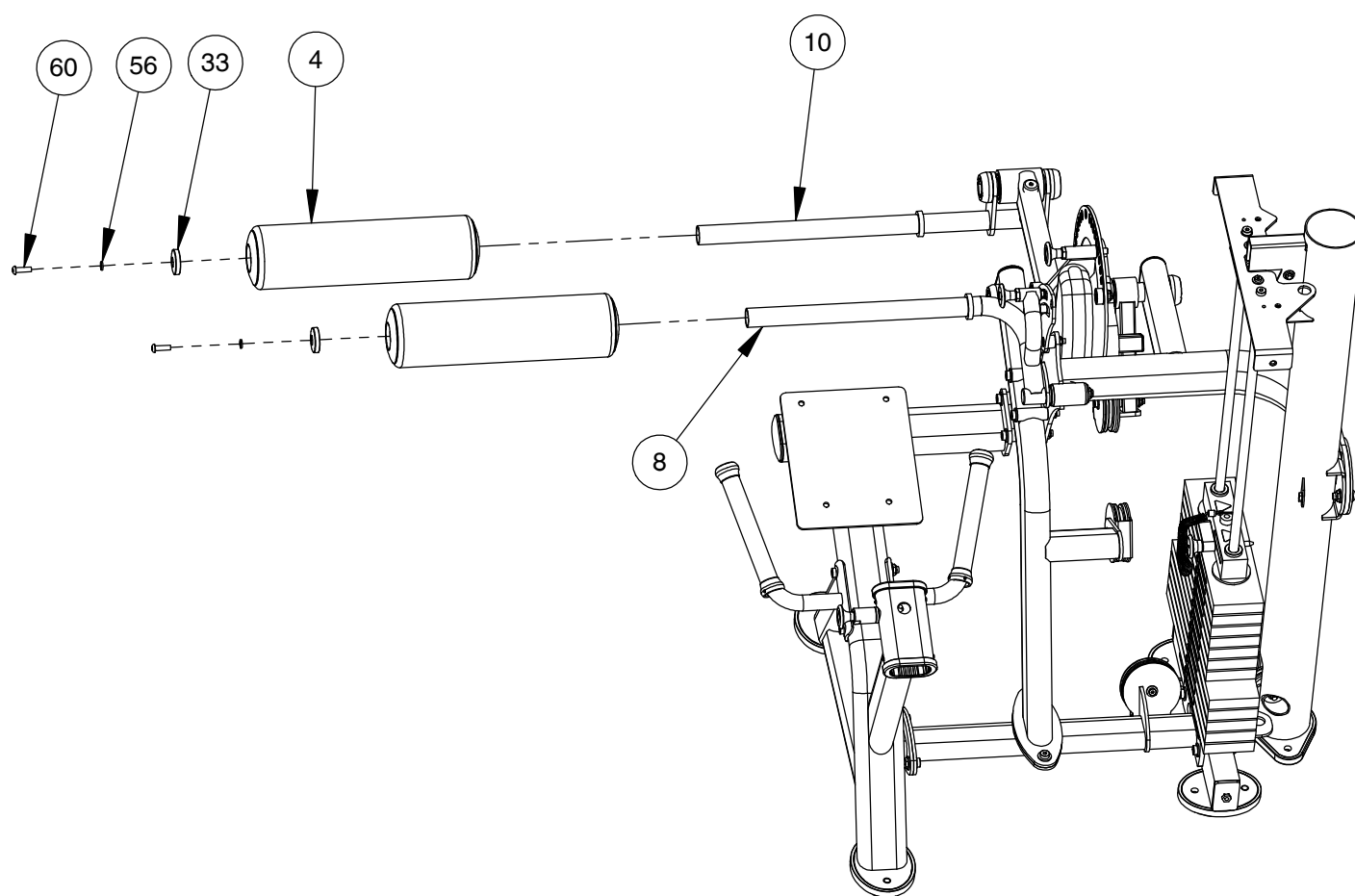
FRAME ASSEMBLY



OWNER'S MANUAL

FRAME ASSEMBLY

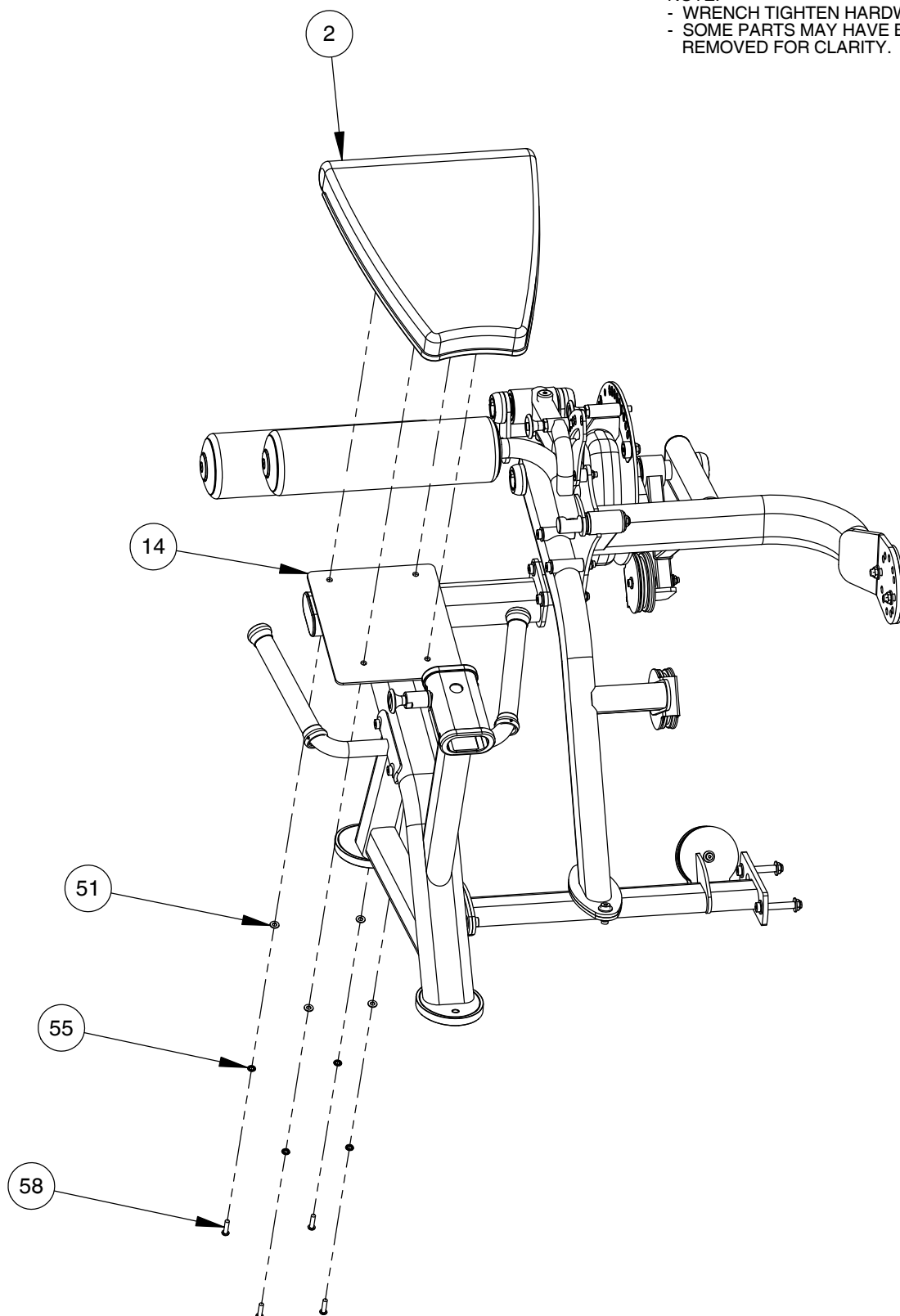
NOTE:
- WRENCH TIGHTEN HARDWARE.
- SOME PARTS MAY HAVE BEEN
REMOVED FOR CLARITY.



OWNER'S MANUAL

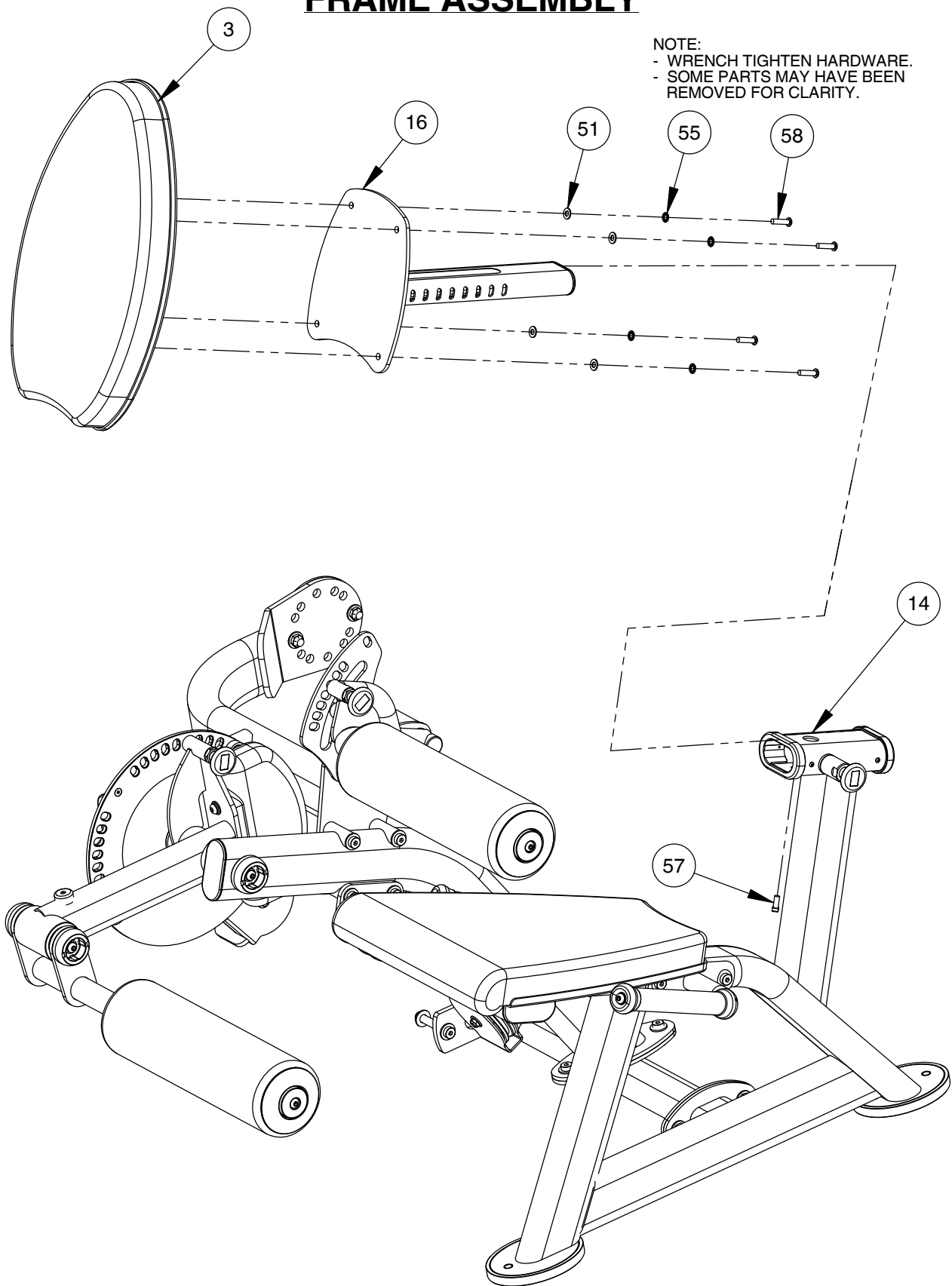
FRAME ASSEMBLY

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



OWNER'S MANUAL

FRAME ASSEMBLY



OWNER'S MANUAL

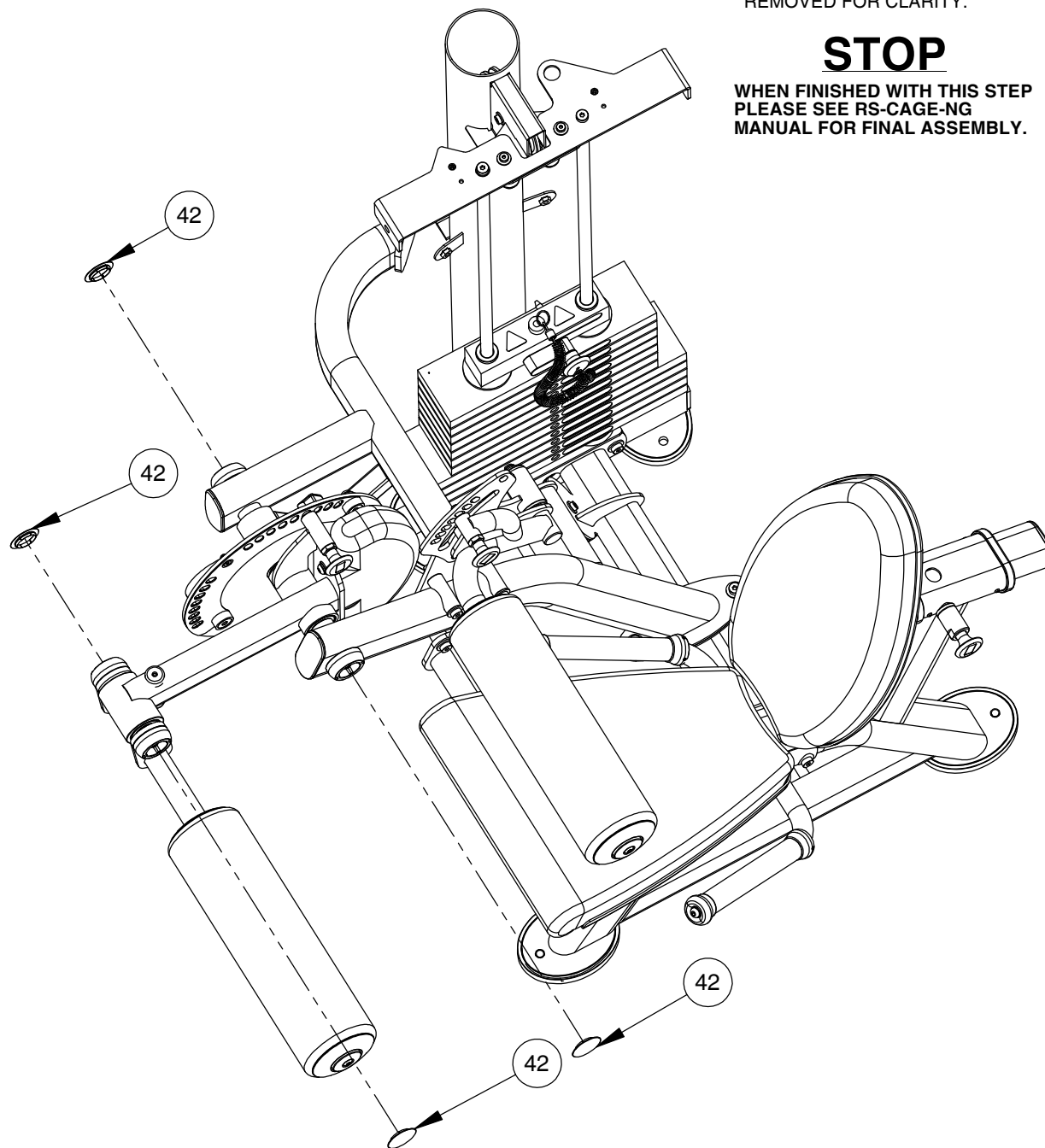
FRAME ASSEMBLY

NOTE:

- WRENCH TIGHTEN ALL PREVIOUSLY HAND TIGHTENED HARDWARE.
- SOME PARTS MAY HAVE BEEN REMOVED FOR CLARITY.

STOP

WHEN FINISHED WITH THIS STEP
PLEASE SEE RS-CAGE-NG
MANUAL FOR FINAL ASSEMBLY.



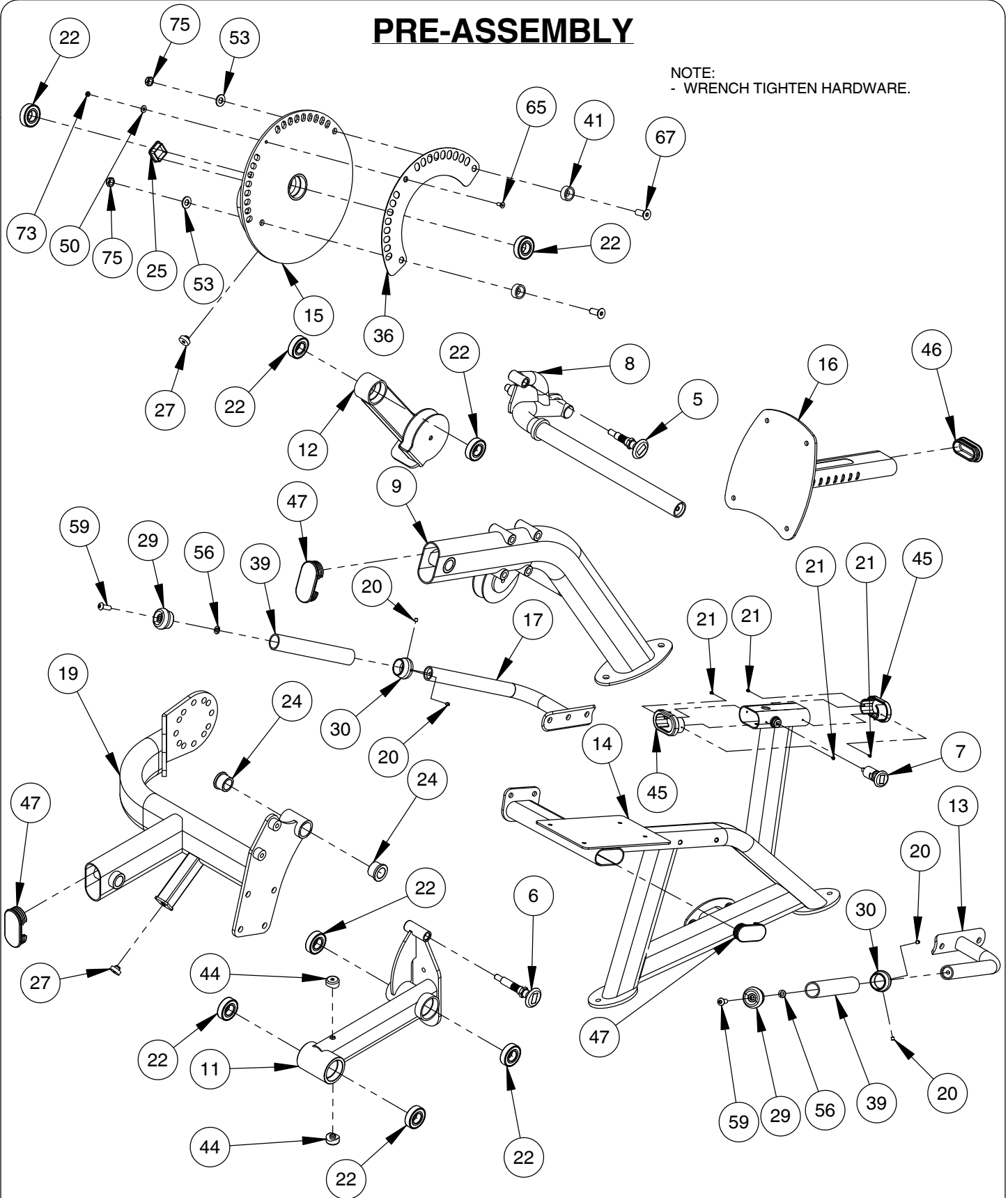
IMPORTANT

NOW THAT THE HD-3400 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.



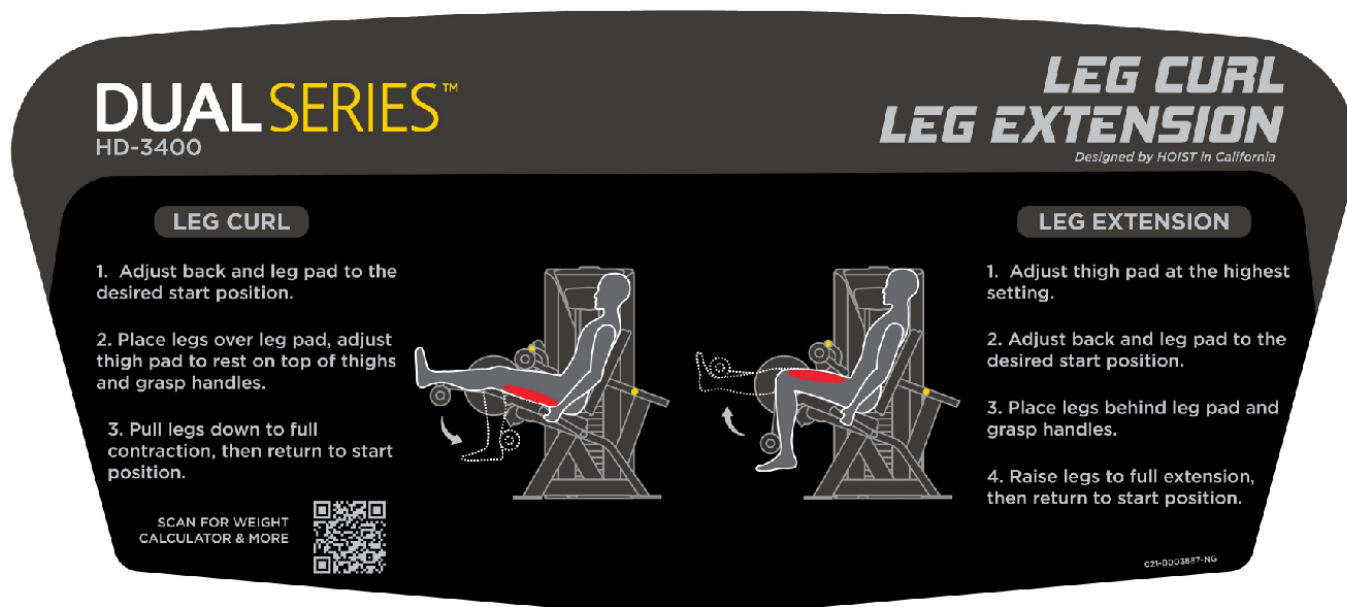
DECAL PLACEMENT

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

77
79
80
87
80
86 or 98
83
85
95
80
88
90
83

OWNER'S MANUAL

DECAL REFERENCE



021-0003341



021-0003627



021-0003230



021-0003322



SERIAL # DECAL

OWNER'S MANUAL

DECAL REFERENCE

10 LBS / 5 KGS

135 LBS / 61 KGS

10 LBS / 5 KGS

160 LBS / 73 KGS

25 LBS / 11 KGS

155 LBS / 70 KGS

25 LBS / 11 KGS

180 LBS / 82 KGS

40 LBS / 18 KGS

175 LBS / 79 KGS

40 LBS / 18 KGS

200 LBS / 91 KGS

55 LBS / 25 KGS

195 LBS / 88 KGS

60 LBS / 27 KGS

220 LBS / 100 KGS

70 LBS / 32 KGS

215 LBS / 98 KGS

80 LBS / 36 KGS

240 LBS / 109 KGS

85 LBS / 39 KGS

100 LBS / 45 KGS

100 LBS / 45 KGS

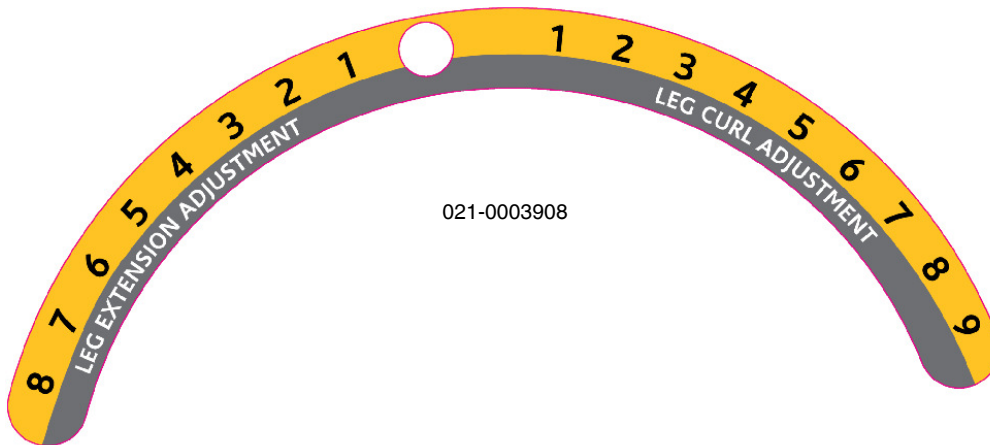
120 LBS / 54 KGS

115 LBS / 52 KGS

140 LBS / 64 KGS

021-0003900

021-0003931



OWNER'S MANUAL

PART LIST

NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	010-01C0431	HD-3400 CABLE - 135 1/8" LG.	1
2	022-01PD2049-A	SEAT PAD ASSEMBLY	1
3	022-01PD2056	SEAT PAD ASSEMBLY	1
4	022-01PD2119	PAD, LONG ROLLER	2
5	026-01X0185	PULL-PIN ASSEMBLY	1
6	026-01X1488	1/2" LONG PULL-PIN (HARDENED) ASSEMBLY	1
7	026-01X3160	RATCHET PULL-PIN ASSEMBLY	1
8	026-01X5824	THIGH PAD MOUNT	1
9	026-01X6567	MAIN PIVOT SUPPORT	1
10	026-01X6568	ROLLER BAR ASSEMBLY	1
11	026-01X6569	ARM SUPPORT ASSEMBLY	1
12	026-01X6570	PULLEY ARM HOUSING ASSEMBLY	1
13	026-01X6571	RIGHT HANDLE ASSEMBLY	1
14	026-01X6572	SEAT FRAME ASSEMBLY	1
15	026-01X6573	CAM/ROM ASSEMBLY	1
16	026-01X6574	BACK PAD MOUNT	1
17	026-01X6585	LEFT HANDLE ASSEMBLY	1
18	026-01X6586	LOWER CAGE TIE	1
19	026-01X6590	CROSS BAR ASSEMBLY	1
20	011-0711001	SET SCREW: 1/4"-28 X .25" LG. (Ni)	4
21	011-0701120	M4 BHB x 8mm(Ni)	4
22	014-0012014	BEARING: FLANGELESS - 25mm I.D.	8
23	014-0015019	7/16" EXTERNAL RETAINING RING	1
24	014-0101005	BUSHING: OILITE FLANGED Ø1.38" O.D. X Ø1.00" I.D. X .81" LG.	2
25	016-0201010	END CAP 1.25" X 1.25" (BLACK)	1
26	018-0001003	CABLE PULLEY: Ø4.50"	3
27	019-0001001	PLUG BUMPER	2
28	026-01M0836	QUICK RELEASE CABLE LOCK 1/4"	1
29	026-01M0932	ALUMINIUM CAP: Ø1.25" ID	2
30	026-01M0933	ALUMINUM RING: Ø1.25" ID	2
31	026-01M2991	PIVOT SHAFT	1
32	026-01M3112	FINISHED CAP WASHER	4
33	026-01M3125	CAP, AL ROLLER PAD	2
34	026-01M3202	SHAFT - Ø.984 X 13.4550 LG.	1
35	026-01P2653	'H' PLATE	1

OWNER'S MANUAL

PART LIST CONTINUED

NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
36	026-01P4494	ROM WEAR PLATE HD-3400	1
37	026-01P4500	ROM PLATE	1
38	026-01P4508	COUNTERWEIGHT W/ COATING	1
39	026-01PL0235-23	GRIP OPEN END Ø1.188" X 8.75" LG.	2
40	026-01PL2122	OVAL-SHAPED RUBBER FOOT	2
41	026-01PL2325	PLASTIC LIMITER	2
42	026-01PL2371	3.75" ROLLER PAD END CAP	4
43	026-01PL2553	FINISH CAP BODY, Ø2.3750"	4
44	026-01PL2561	PLUG BUMPER, COPE	2
45	026-01PL2564	GLIDE SLEEVE	2
46	026-01PL2565	3.15" X 1.57" CAP	1
47	026-01PL2566	50 X 100 OVAL DOMED END CAP	3
48	026-01T4025	SPACER - Ø1.50 X .250" WALL X .188 LG.	2
49	RS-CAGE-NG	RS WEIGHT CAGE NG	1
50	013-1002008	1/4" X 16mm SAE FLAT WASHER (Ni)	1
51	013-1002010	5/16" SAE FLAT WASHER (Ni)	8
52	013-1002007	3/8" X 22mm FLAT WASHER (Ni)	14
53	013-1002006	1/2" X 27mm SAE FLAT WASHER (Ni)	26
54	013-1009002	1/2" CURVED WASHER (Ni)	4
55	013-1010003	5/16" INTERNAL LOCK WASHER (Ni)	8
56	013-1006003	3/8" SPLIT LOCK WASHER (Ni)	10
57	011-0704001	3/8-16UNC X .75" SQUARE HEAD (Ni)	1
58	011-0701004	5/16"-18UNC X 1.25" BHCS (Ni)	8
59	011-0701020	3/8"-16UNC X 1.00" BHCS (Ni)	6
60	011-0701084	3/8"-16UNC X 1.25" BHCS (Ni) W/ DRI-LOC PATCH	2
61	011-0701021	3/8"-16UNC X 1.25" BHCS (Ni)	2
64	011-0701049	1/2"-13UNC X 1.50" BHCS (Ni)	2
65	011-0702054	1/4"-20UNC X .625" FHCS (Ni)	1
66	011-0702006	3/8"-16UNC X 1.75" FHCS (Ni)	2
67	011-0702025	1/2"-13UNC X 1.25" FHS (Ni)	2
68	011-0116108	1/2"-13UNC X 1.25" LOW HEAD SHCS (Ni)	4
69	011-0116116	1/2"-13UNC X 3.25" LOW HEAD SHCS (Ni)	2
70	011-0116117	1/2"-13UNC X 3.50" LOW HEAD SHCS (Ni)	2

OWNER'S MANUAL

PART LIST CONTINUED

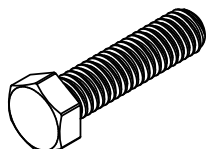
NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
71	011-0116118	1/2"-13UNC X 3.75" LOW HEAD SHCS (Ni)	2
72	011-0116123	1/2"-13UNC X 5.00" LOW HEAD SHCS (Ni)	2
73	012-0504004	1/4"-20 UNC THIN NYLOCK NUT (Ni)	1
74	012-0504005	3/8"-16 UNC THIN NYLOCK NUT (Ni)	5
75	012-0504002	1/2"-13 UNC THIN NYLOCK NUT (Ni)	17
77	021-0003230	DECAL HOIST 1.625" X 6.0613"	1
79	021-0003322	DECAL PINCH POINT 1.25" X 2.31" (VERTICAL)	1
80	021-0003341	DECAL PINCH POINT 1.07" X 2.13" (HORIZONTAL)	3
83	021-0003627	DECAL HOIST 2.07" X 7.75"	2
85	SERIAL # DECAL	DECAL HOIST SERIAL # 1.63" X 2.63"	1
86	021-0003900	HD-3200, 3300, 3400 WEIGHT STACK DECALS	1
87	021-0003908	HD-3400 ROM Decal	1
88	021-0003912	DECAL ADJUST 1-8 VERTICAL GREY BKGRND	1
90	021-0003887-NG	HD-3400 PLACARD	1
92	011-0116145	3/8"-16UNC X 1.75" LOW HEAD SHCS (Ni)	1
93	011-0116153	3/8"-16UNC X 3.75" LOW HEAD SHCS (Ni)	1
94	011-0116146	3/8"-16UNC X 2.00" LOW HEAD SHCS (Ni)	1
95	021-0003093	DECAL MOVING PARTS 1.20" X 2.38" (HOR)	1
96	013-1002004	1/2" X 34mm USS FLAT WASHER (Ni)	1
97	019-0001006	THICK RUBBER DONUT ϕ 3.00" X .50" BLACK	4
98	021-0003931	HDG WEIGHT STACK DECAL #15	1
99	WS#11	213# (8Lb TOP WEIGHT/ 13 HOLE)	1

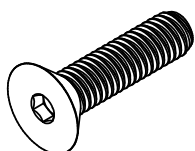
OWNER'S MANUAL

ABBREVIATIONS

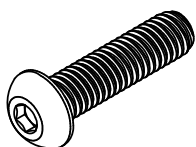
BZ = Black Zinc
Ni = Nickel Plated
SS = Stainless Steel
WZ = White Zinc



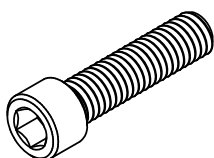
HHB = Hex Head Bolt



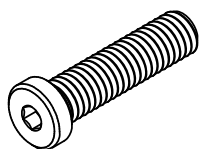
FHCS = Flat Head Cap Screw



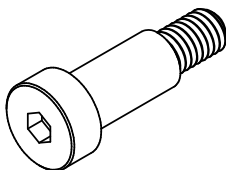
BHCS = Button Head Cap Screw



SHCS = Socket Head Cap Screw



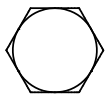
Low Head SHCS = Low Head Socket
Head Cap Screw



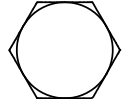
SHSS = Socket Head Shoulder Screw

OWNER'S MANUAL

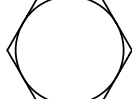
BOLT SIZING CHART



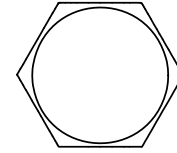
1/4" HHB
RECOMMENDED
TORQUE RANGE:
6-8 ft-lbs



5/16" HHB
RECOMMENDED
TORQUE RANGE:
14-17 ft-lbs



3/8" HHB
RECOMMENDED
TORQUE RANGE:
24-30 ft-lbs



1/2" HHB
RECOMMENDED
TORQUE RANGE:
60-75 ft-lbs



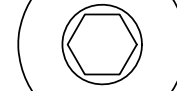
1/4" BHCS
RECOMMENDED
TORQUE RANGE:
5-7 ft-lbs



5/16" BHCS
RECOMMENDED
TORQUE RANGE:
11-15 ft-lbs



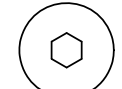
3/8" BHCS
RECOMMENDED
TORQUE RANGE:
19-26 ft-lbs



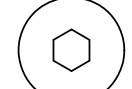
1/2" BHCS
RECOMMENDED
TORQUE RANGE:
47-65 ft-lbs



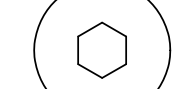
1/4"
LOW HEAD
SHCS
RECOMMENDED
TORQUE RANGE:
4-6 ft-lbs



5/16"
LOW HEAD
SHCS
RECOMMENDED
TORQUE RANGE:
9-12 ft-lbs



3/8"
LOW HEAD
SHCS
RECOMMENDED
TORQUE RANGE:
18-23 ft-lbs



1/2"
LOW HEAD
SHCS
RECOMMENDED
TORQUE RANGE:
40-50 ft-lbs



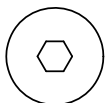
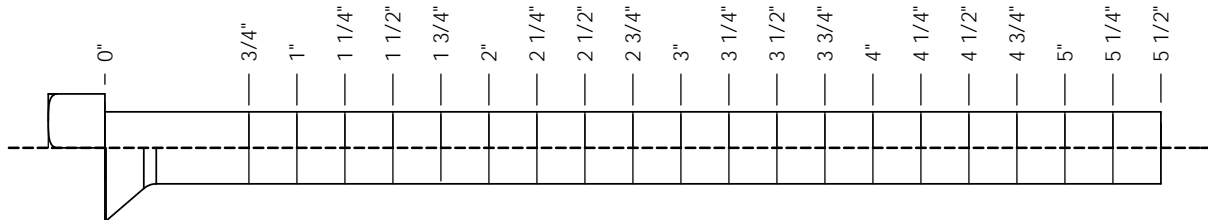
1/4" SHCS
RECOMMENDED
TORQUE RANGE:
11-14 ft-lbs



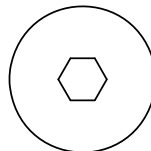
5/16" SHCS
RECOMMENDED
TORQUE RANGE:
23-29 ft-lbs



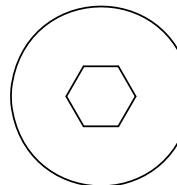
3/8" SHCS
RECOMMENDED
TORQUE RANGE:
39-49 ft-lbs



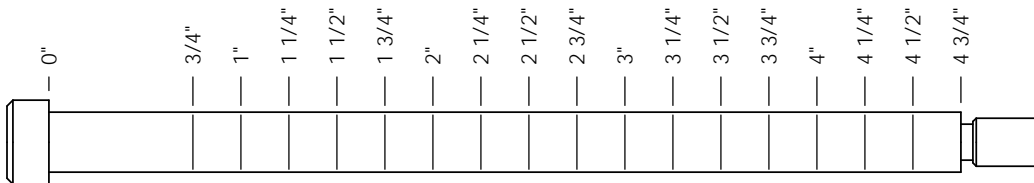
1/4" FHCS
RECOMMENDED
TORQUE RANGE:
5-7 ft-lbs



3/8" FHCS
RECOMMENDED
TORQUE RANGE:
19-26 ft-lbs



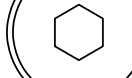
1/2" FHCS
RECOMMENDED
TORQUE RANGE:
47-65 ft-lbs



1/4" SHSN
RECOMMENDED
TORQUE RANGE:
3-4 ft-lbs



5/16" SHSN
RECOMMENDED
TORQUE RANGE:
8-10 ft-lbs

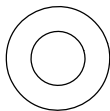


3/8" SHSN
RECOMMENDED
TORQUE RANGE:
17-22 ft-lbs

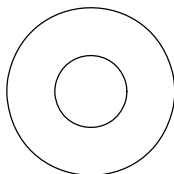
OWNER'S MANUAL

WASHER SIZING CHART

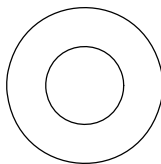
013-0002003
1/4"
FLAT WASHER
SMALL, SAE, 13mm



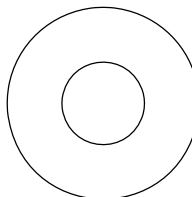
013-0102004
5/16"
FLAT WASHER
LARGE, USS, 22mm



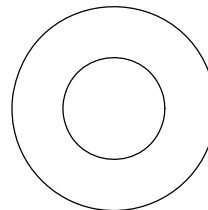
013-0002004
3/8"
FLAT WASHER
SMALL, SAE, 21mm



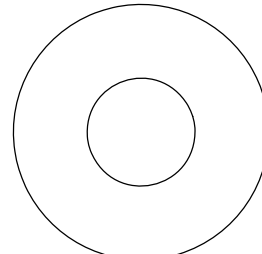
013-0402005
3/8"
FLAT WASHER
LARGE, USS, 25mm



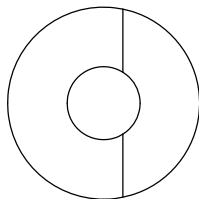
013-0102003
1/2"
FLAT WASHER
SMALL, SAE, 27mm



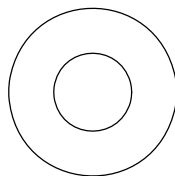
013-0102026
1/2"
FLAT WASHER
LARGE, USS, 34mm



013-0102028
3/8"
CURVED WASHER



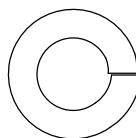
013-0402007
3/8"
FLAT WASHER
22mm O.D.



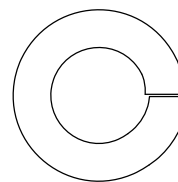
013-0102019
1/4"
LOCK WASHER



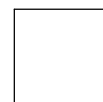
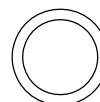
013-0102020
3/8"
LOCK WASHER



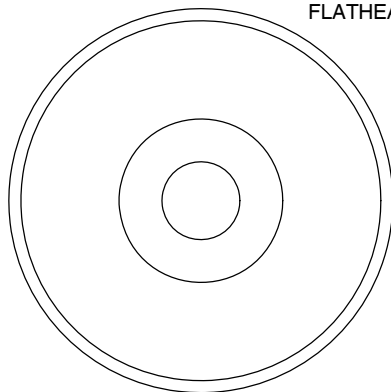
013-0102018
1/2"
LOCK WASHER



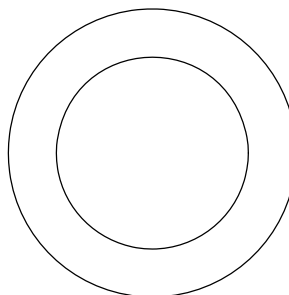
014-0018001
1/2" LONG
SPACER



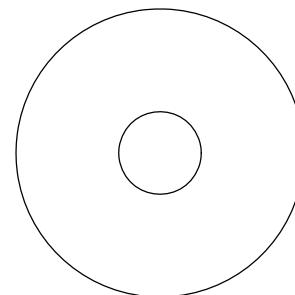
026-01M0238
2" ALUMINUM
FLATHEAD CAP



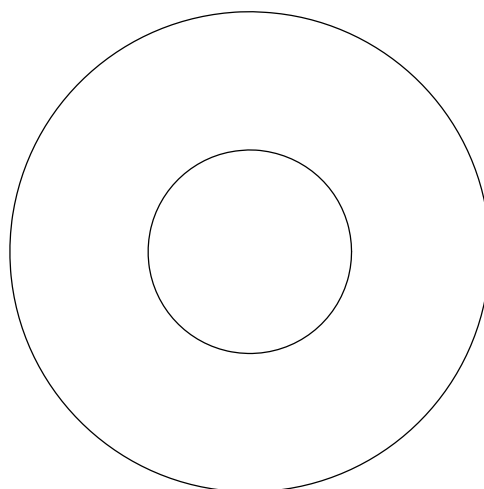
016-0009003
1" SHIM WASHER



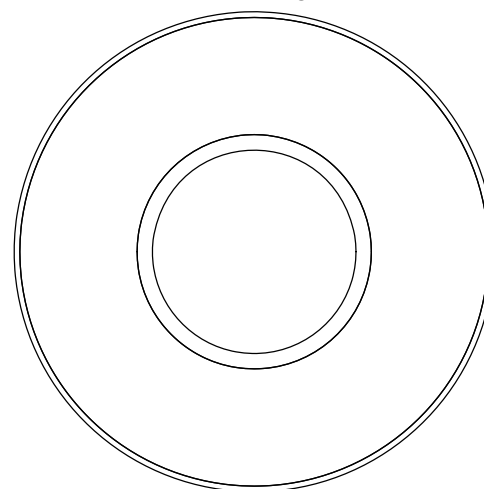
013-0003002
3/8" FENDER WASHER



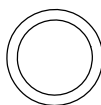
013-0003004
1 1/16"
FENDER WASHER



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



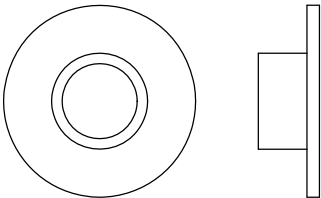
014-0018002
1" LONG
SPACER



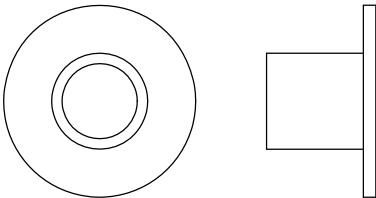
OWNER'S MANUAL

WASHER SIZING CHART
(CONTINUED)

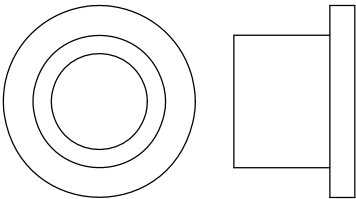
026-01M0211
1/4" LONG
FLANGED SPACER



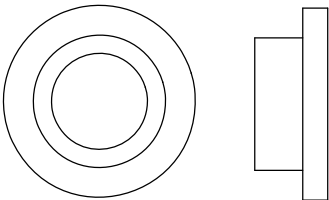
026-01M0198
1/2" LONG
FLANGED SPACER



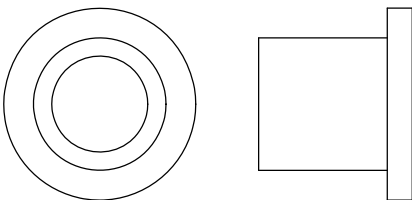
026-01M0760
1/2" LONG HEAVY
FLANGED SPACER



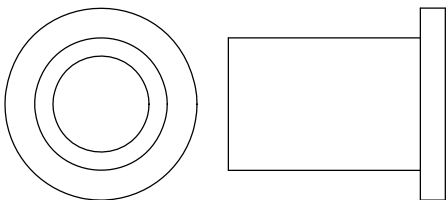
026-01M211T
1/4" LONG HEAVY
FLANGED SPACER



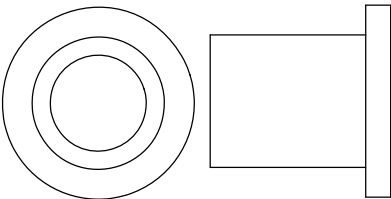
026-01M0532
11/16" LONG HEAVY
FLANGED SPACER



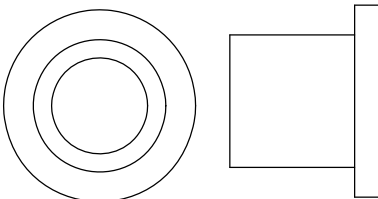
026-01M0551
1" LONG HEAVY
FLANGED SPACER



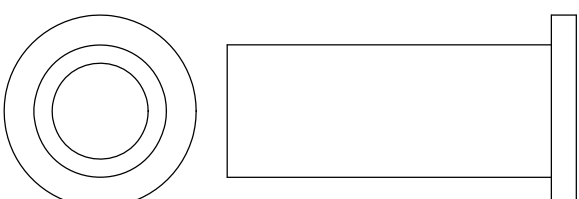
026-01M0788
.81" LONG HEAVY
FLANGED SPACER



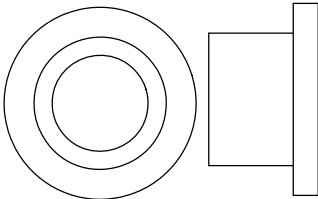
026-01M0780
.65" LONG HEAVY
FLANGED SPACER



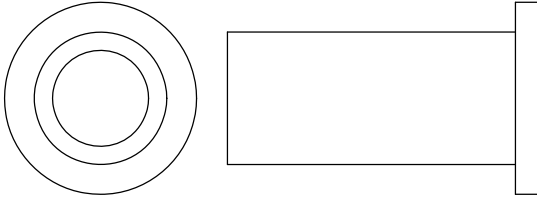
026-01M0761
1 11/16" LONG HEAVY
FLANGED SPACER



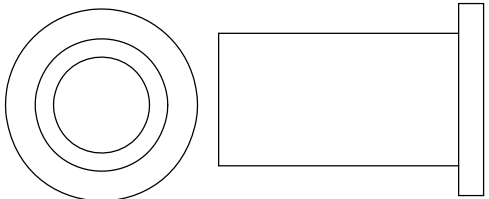
026-01M0789
.44" LONG HEAVY
FLANGED SPACER



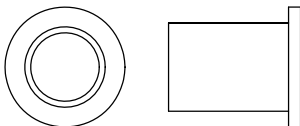
026-01M0762
1 1/2" LONG HEAVY
FLANGED SPACER



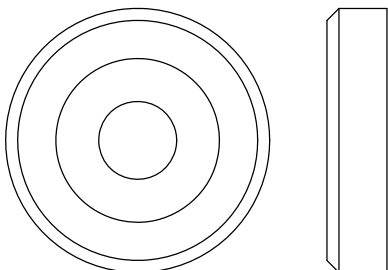
026-01M0768
1 1/4" LONG HEAVY
FLANGED SPACER



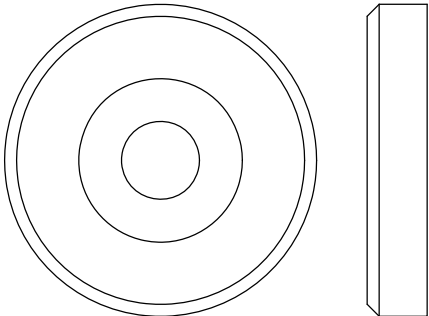
026-01M0600
.625" LONG
FLANGED SPACER



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



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



OWNER'S MANUAL

MAINTENANCE SCHEDULE

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

*Your equipment comes with a commercial maintenance decal.
For personal, in home use, please follow the home maintenance schedule listed above.*

*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-3400 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-3400 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.

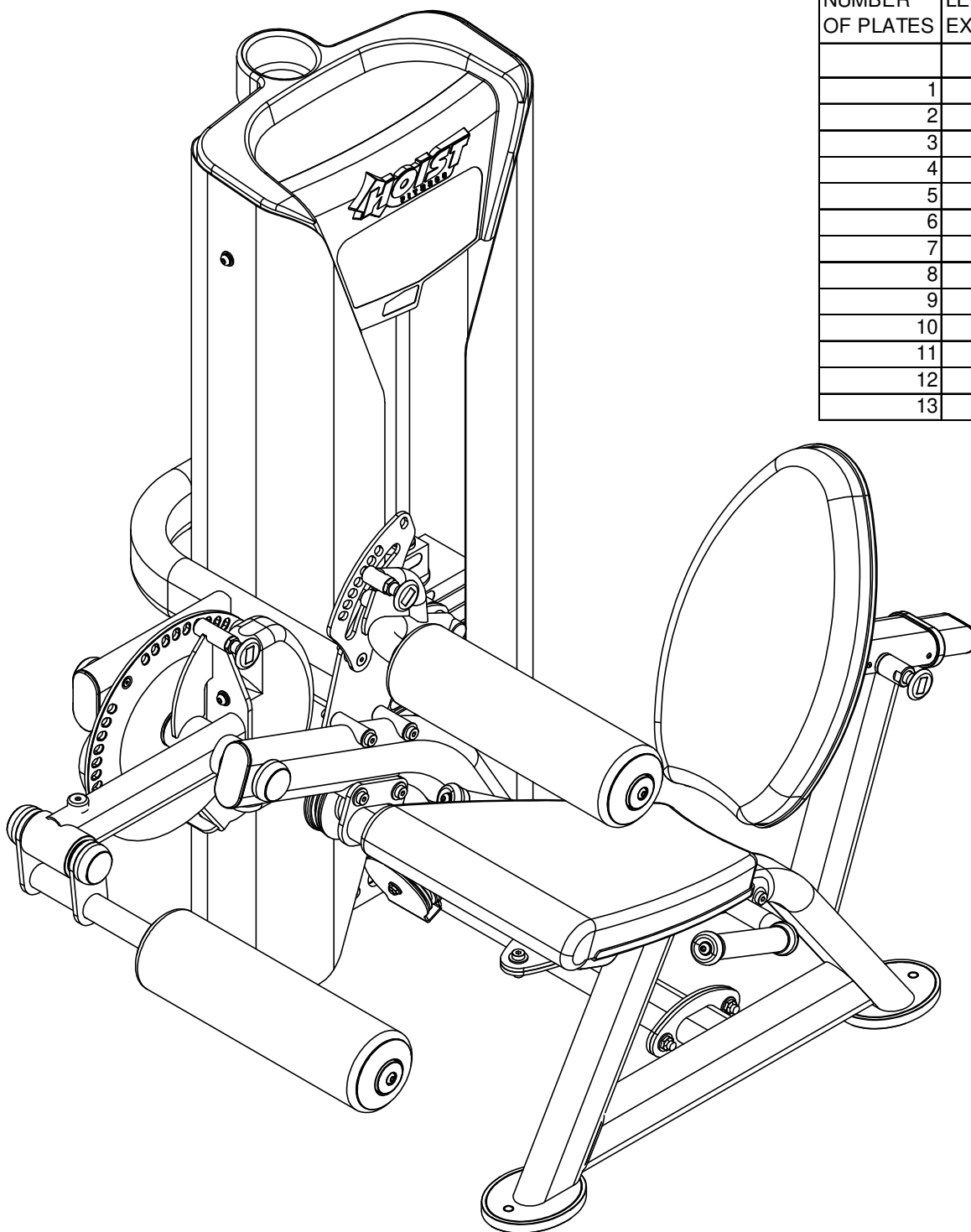
Pay attention to your breathing. Exhale when you exert is a general rule of thumb. Never hold your breath.

Enjoy your HD-3400 HOIST® Fitness System!

OWNER'S MANUAL

WEIGHT RATIOS

NUMBER OF PLATES	LEG EXTENSION	LEG CURL
	85%	57%
1	8.5	5.70
2	21.25	14.25
3	34	22.80
4	46.75	31.35
5	59.5	39.90
6	72.25	48.45
7	85	57
8	97.75	65.55
9	114.75	76.95
10	131.75	88.35
11	148.75	99.75
12	165.75	111.15
13	182.75	122.55



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

and click on the Warranty Registration link

Starting from the original date of purchase, this warranty covers 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 owner's 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

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