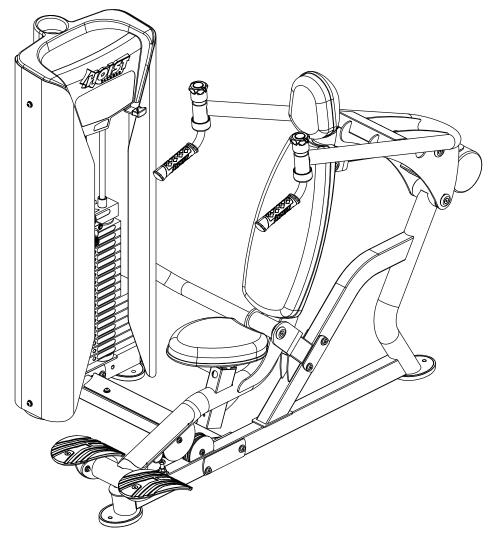


RS-2501 SHOULDER PRESS



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 <u>Customer Service</u>

(800) 548-5438

(858) 578-7676

Fax

(858) 578-9558

A00

MACHINE CODE



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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

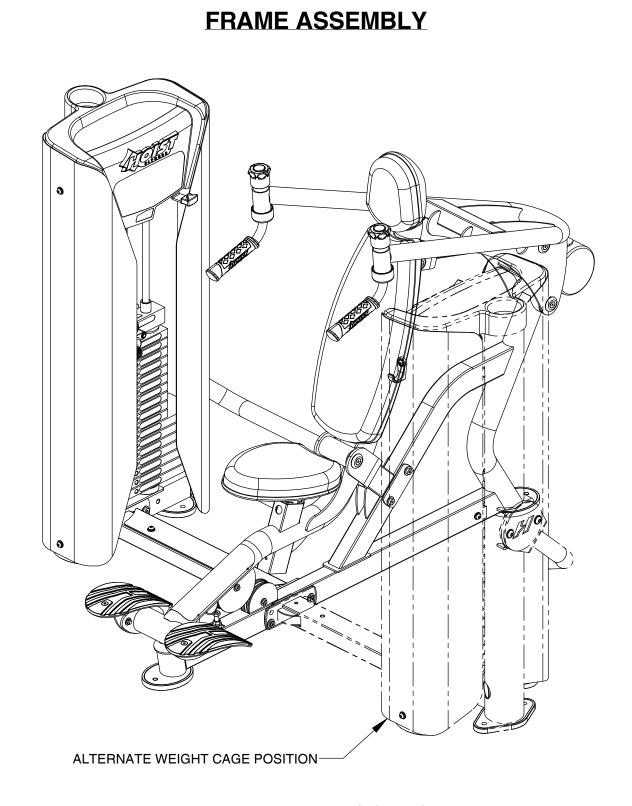
Level

SAE Hex Key Wrench Set

Two People

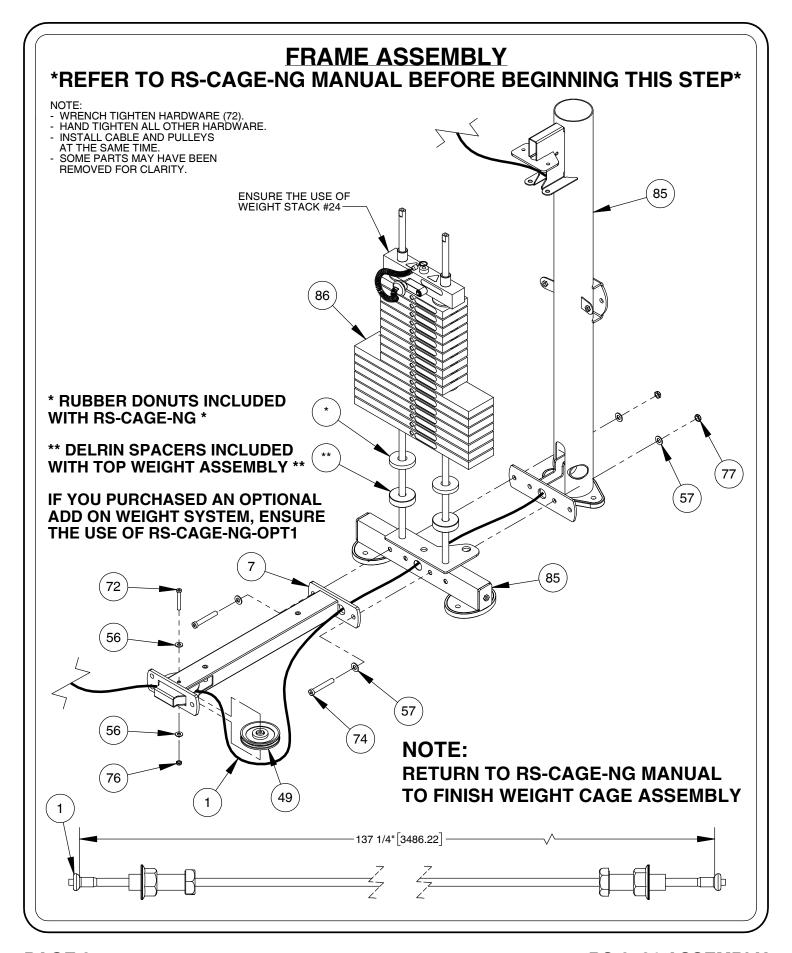
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PAGE 03 RS-2501 ASSEMBLY

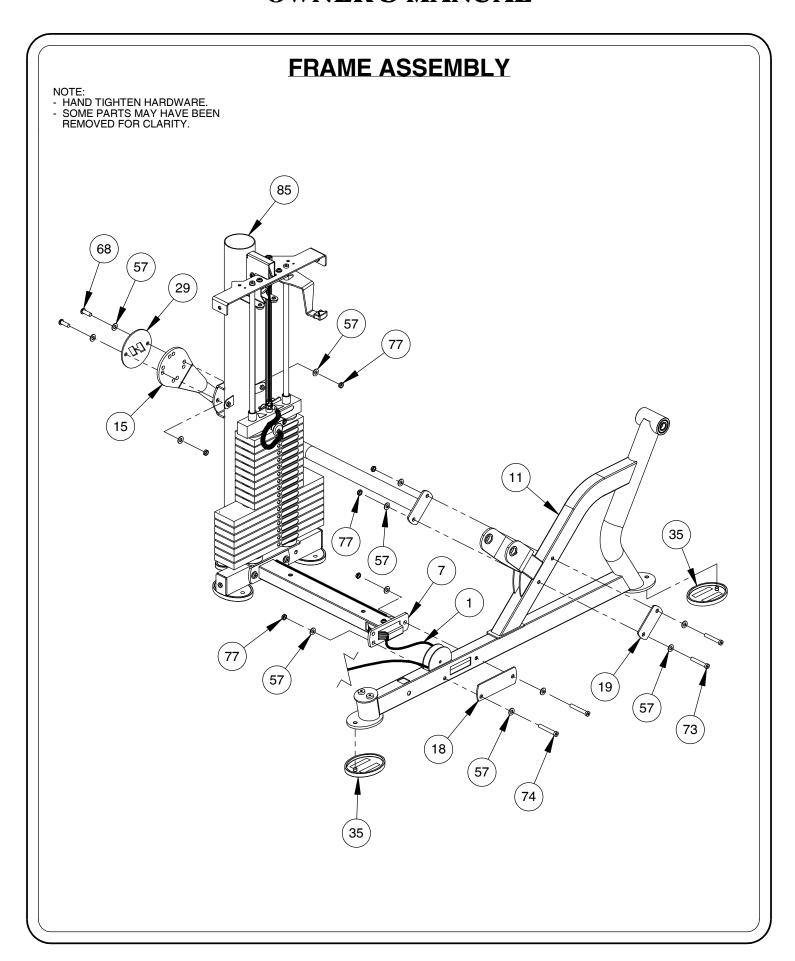


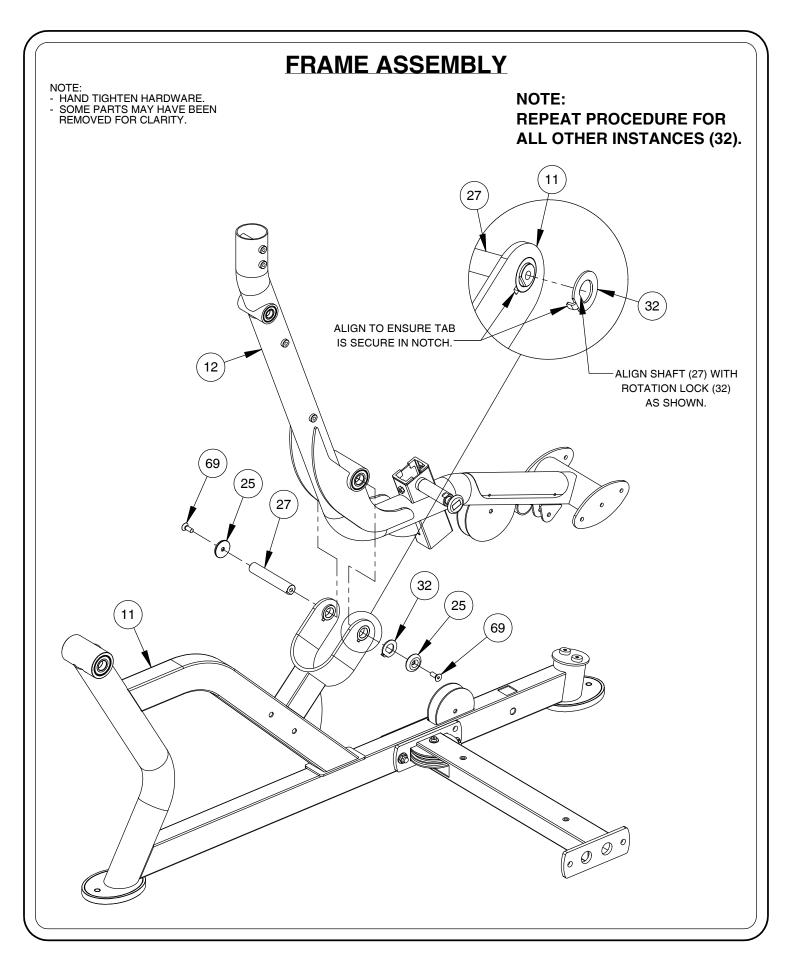
ALTERNATE POSITION

THE ROC-IT WEIGHT CAGE-NG IS DESIGNED TO BE INSTALLED ON EITHER THE LEFT OR RIGHT SIDE OF THE RS-2501 IN ORDER TO ACCOMMODATE THE USER.



PAGE 05

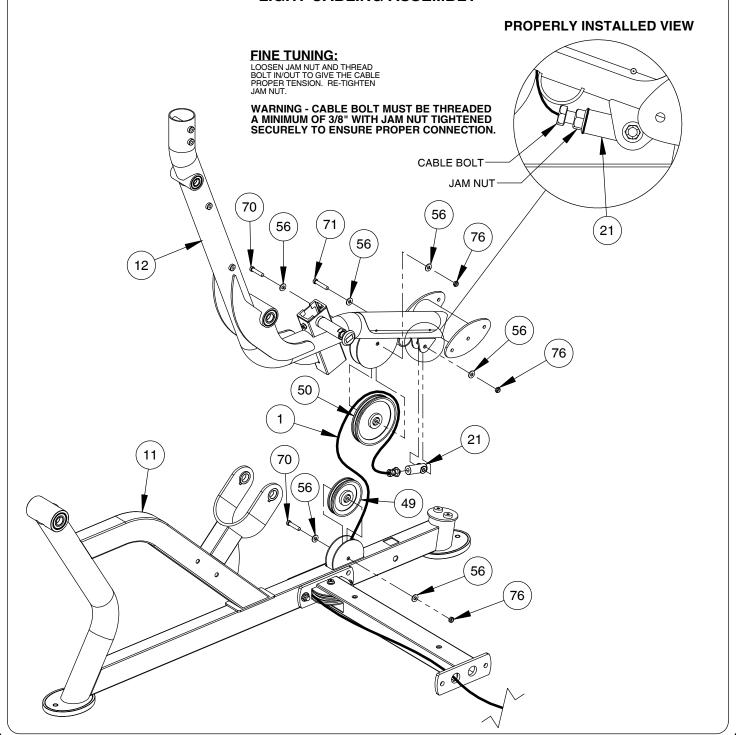


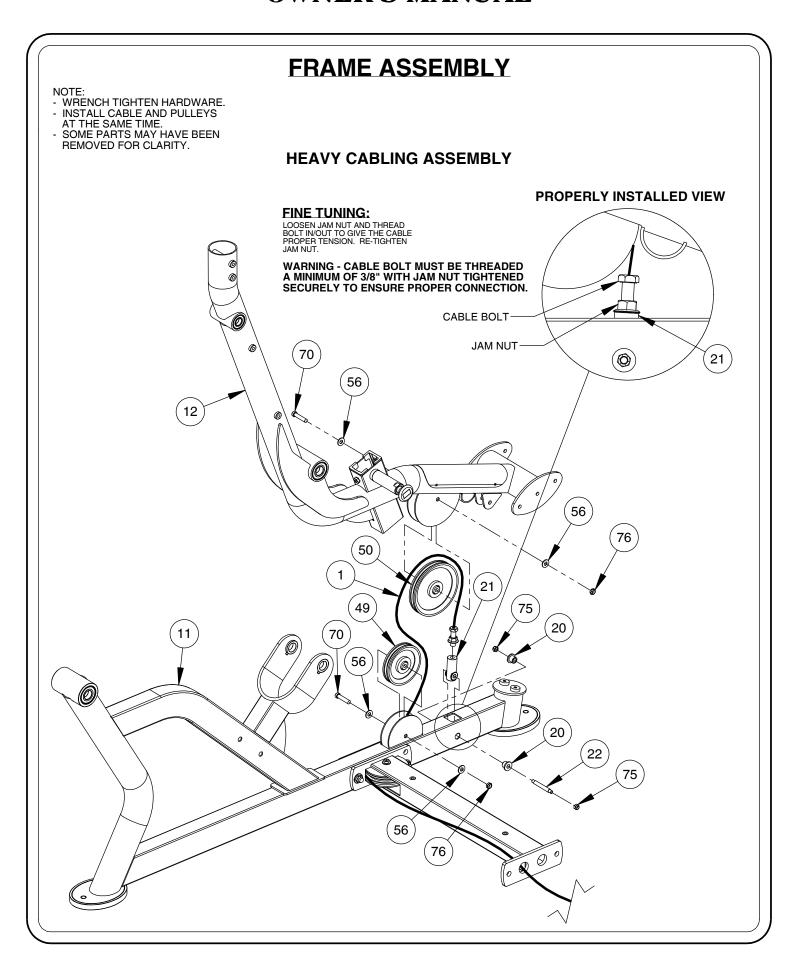


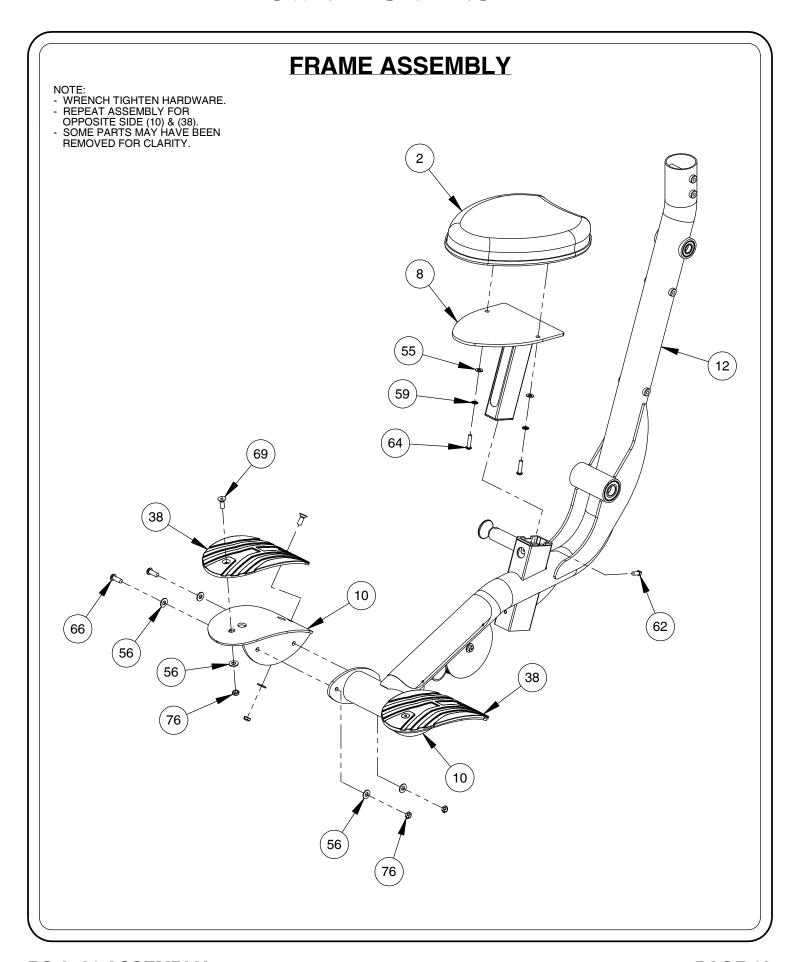
FRAME ASSEMBLY

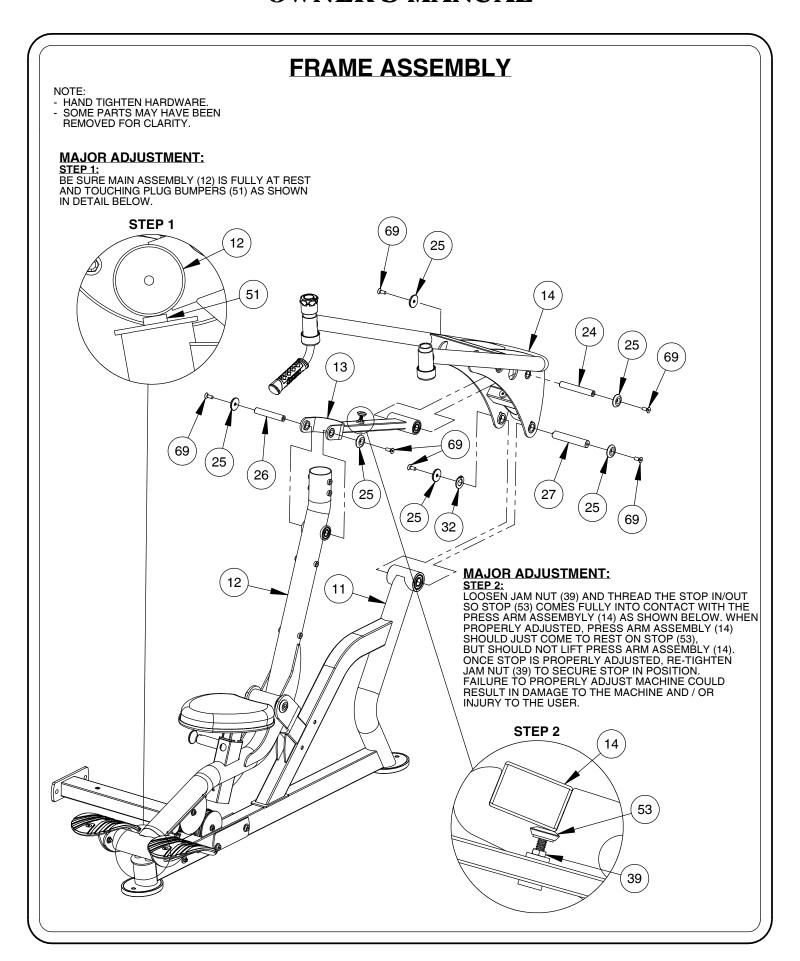
- WRENCH TIGHTEN HARDWARE.
- WRENCH TIGHTEN HARDWARE (71) THEN LOOSEN NUT JUST ENOUGH FOR (21) TO PIVOT FREELY.
- **INSTALL CABLE AND PULLEYS**
- AT THE SAME TIME. SOME PARTS MAY HAVE BEEN REMOVED FOR CLARITY.

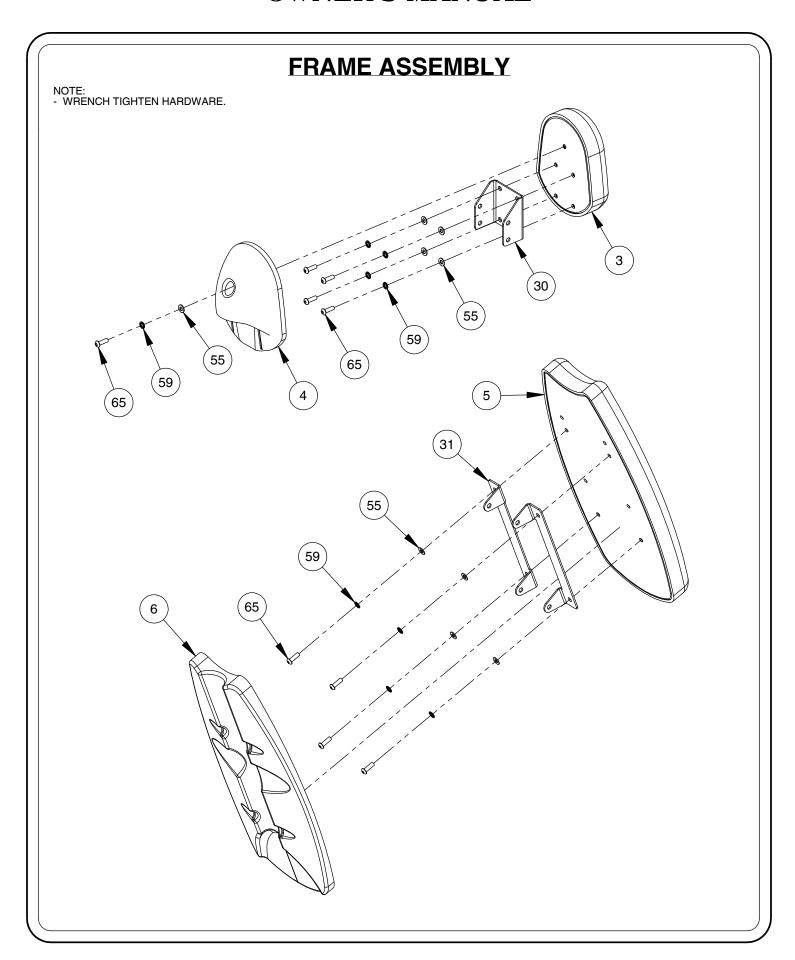
LIGHT CABLING ASSEMBLY

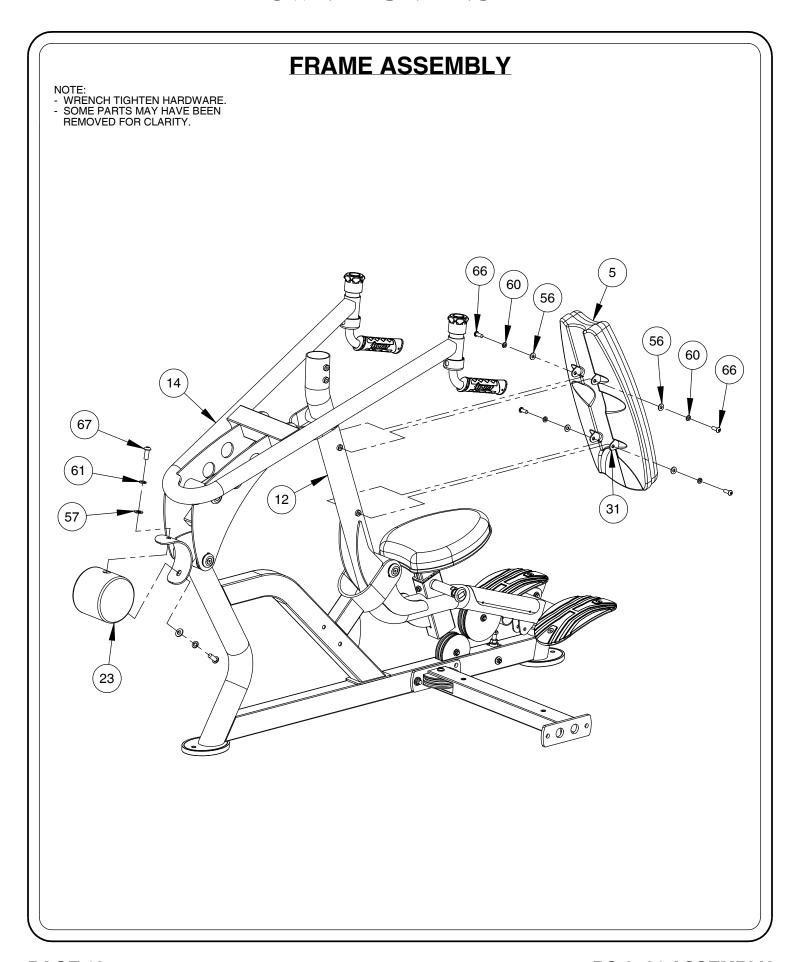


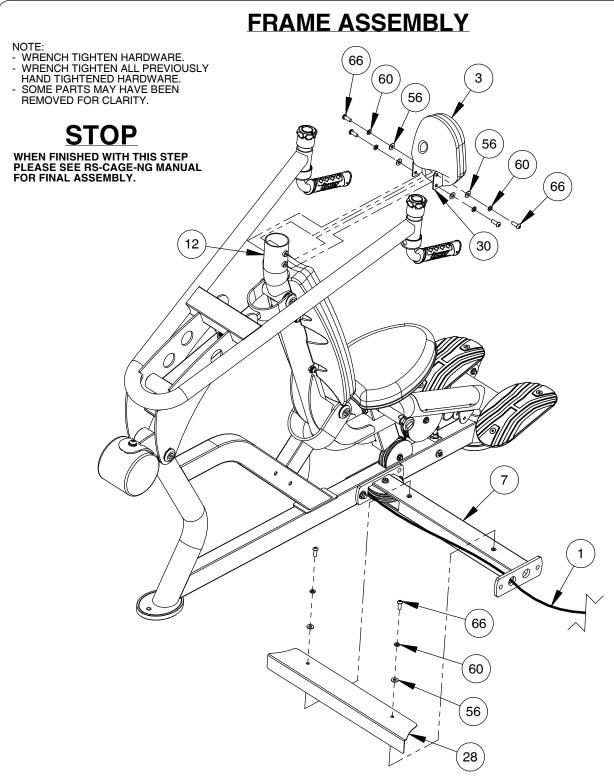






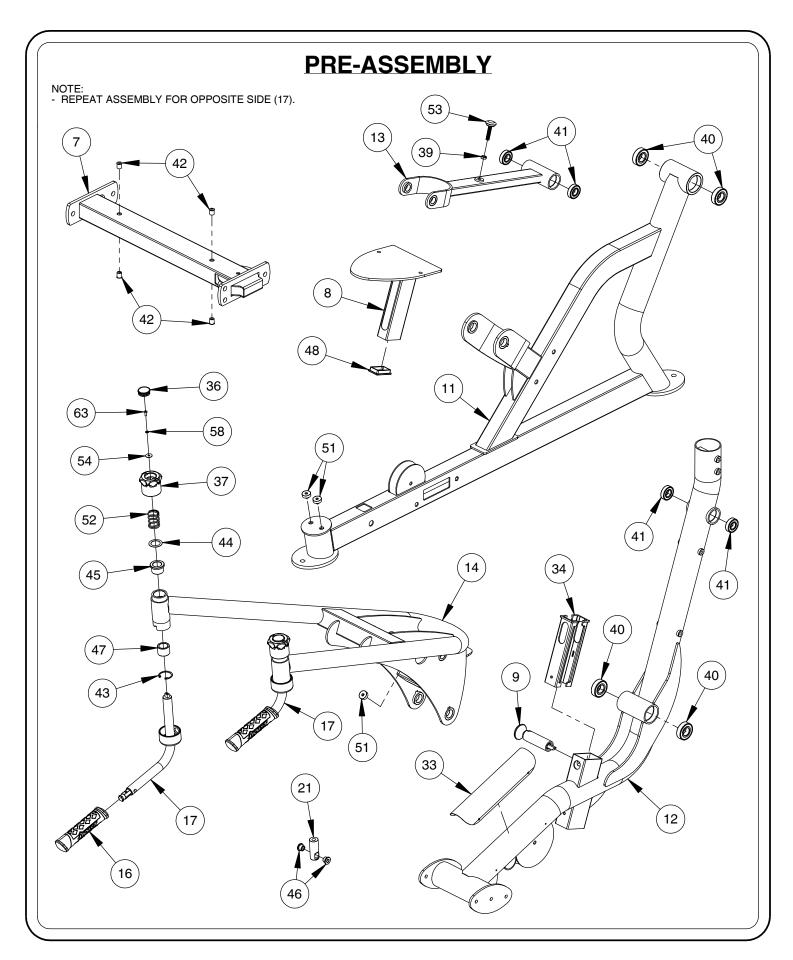




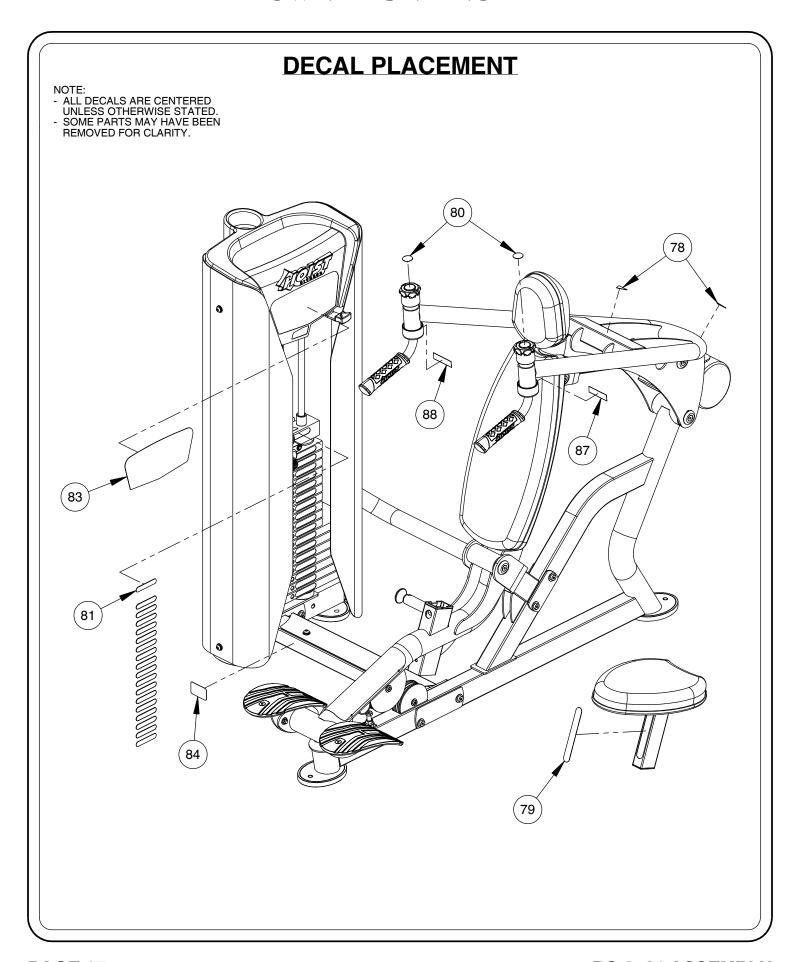


IMPORTANT

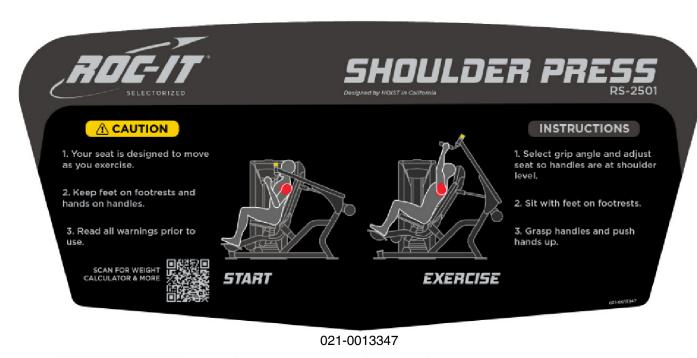
NOW THAT THE RS-2501 IS COMPLETELY ASSEMBLED TAKE TIME TO ASSURE THAT YOUR UNIT IS ASSEMBLED SQUARE AND PERPENDICULAR. IF NOT, IT WILL BE NECESSARY TO LOOSEN SOME FRAME HARDWARE TO RE-ALIGN THE FRAME AND RETIGHTEN BOLTS.



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- 15 LBS / 7 KGS
- **95** LBS / 43 KGS
- **235** LBS / 107 KGS

- **25** LBS / 11 KGS
- 105 LBS / 47 KGS
- **255** LBS / 116 KGS

021-0003512

- **35**_{LBS} / 16 KGS
- **115** LBS / 52 KGS
- **45** LBS / 20 KGS
- **135** LBS / 61 KGS
- **55** LBS / 25 KGS
- **155** LBS / 70 KGS
- **65** LBS / 30 KGS
- **175** LBS / 79 KGS
- **75** LBS / 34 KGS
- **195** LBS / 88 KGS
- **85** LBS / 39 KGS
- **215** LBS / 98 KGS 021-0004244
- 90 45 0
- 021-0004208
- 021-0004207
- 0 45 90
- www.hoistfitness.com
 Serial # 00-00-A00-000000

 SERIAL # DECAL

021-0004197

- 2
- 3
- 4
- 5
- 6
- 7

021-0004032

PART LIST

NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	010-01C0638	CABLE ASSEMBLY RS-1501-A - 137.25" LG.	1
2	022-01PD2054-A	SEAT PAD ASSEMBLY	1
3	022-01PD2073-A	HEAD PAD ASSEMBLY	1
4	022-01PD2073-5	HEAD PAD PLASTIC BACKING	1
5	022-01PD2058	BACK PAD ASSEMBLY	1
6	022-01PD2058-5	PLASTIC BACK PAD BACKING	1
7	026-01X2377	CROSS MEMBER ASSEMBLY	1
8	026-01X2387	SEAT ASSEMBLY	1
9	026-01X2849	RACHET PULL-PIN ASSEMBLY	1
10	026-01X2975	FOOT PLATE MOUNT ASSEMBLY	2
11	026-01X4208	BASE ASSEMBLY	1
12	026-01X4209	MAIN ASSEMBLY	1
13	026-01X4210	LINKAGE ASSEMBLY	1
14	026-01X4211	PRESS ARM ASSEMBLY	1
15	026-01X4212	CROSS BAR ASSEMBLY	1
16	026-01X7351	HOIST ERGO GRIP-01	2
17	026-01X7440	INDEXING HANDLE	2
18	026-01F0256	BACKING PLATE	1
19	026-01F0289	FLANGE	1
20	026-01M0760	HEAVY FLANGED SPACER: Ø.67 O.D. X Ø.39 I.D. X .50 LG.	2
21	026-01M1103	THREADED CABLE ANCHOR Ø1.00" O.D X 2.50" LG.	1
22	026-01M1137	CABLE ANCHOR SHAFT Ø.38"O.D. X 3.06" LG.	1
23	026-01M2358	30 LB. COUNTERWEIGHT, RUBBER COATED	1
24	026-01M3213	PIVOT SHAFT	1
25	026-01M3605	RETAINING CAP	8
26	026-01M3766	PIVOT SHAFT	1
27	026-01M3872	PIVOT SHAFT	2
28	026-01P2478	CABLE SHIELD	1
29	026-01P2653	'H' PLATE	1
30	026-01P2907	HEAD BRACKET MOUNT	1
31	026-01P2925	PAD MOUNT BRACKET	2
32	026-01P7210	ROTATION LOCK	2
33	026-01P7252	12" STAINLESS STEEL SCUFF GUARD W/ RIVETS	1
34	026-01PL0125	E-Z GLIDE PLASTIC SLEEVE	2
35	026-01PL2122	OVAL-SHAPED RUBBER FOOT	2

PART LIST CONTINUED

NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
36	026-01PL2687	KNOB CAP	2
37	026-01PL2949	TURN KNOB	2
38	026-01PL2976	RS- FOOTPLATE COVER	2
39	012-0505001	3/8"-16UNC JAM NUT (Ni)	1
40	014-0012014	BEARING: FLANGELESS - 25mm I.D.	4
41	014-0012015	BEARING: FLANGELESS $ \phi$ 1.65" O.D. X $ \phi$.79" I.D. X .47" WIDE	4
42	014-0014002	3/8-16 FLUSH MOUNT INSERT	4
43	014-0015048	Internal Retaining Ring, 38mm	2
44	014-0024001	THRUST WASHER, 1"	2
45	014-0101005	BUSHING: OILITE FLANGED Ø1.34" O.D. X Ø1.00" I.D. X .79" LG.	2
46	014-0101020	BUSHING: OILITE FLANGED Ø.63" O.D. X Ø.38" I.D. X .50" LG.	2
47	014-0104002	BEARING: SLEEVE, BRONZE 1.00 I.D. X 1.38 O.D. X 1.00" LG.	2
48	016-0001003	END CAP 1.50" X 2.50" (BLACK)	1
49	018-0001003	CABLE PULLEY: Ø4.50"	2
50	018-0002017	PULLEY 6.00" OD	1
51	019-0001001	PLUG BUMPER	3
52	020-0011029	Compression Spring	2
53	020-0014027	ADJUSTABLE STOP	1
54	013-1003002	#10 FENDER WASHER (Ni)	2
55	013-1002010	5/16" SAE FLAT WASHER (Ni)	11
56	013-1002007	3/8" X 22mm FLAT WASHER (Ni)	30
57	013-1002006	1/2" X 27mm SAE FLAT WASHER (Ni)	18
58	013-1010007	#10 INTERNAL LOCK WASHER (Ni)	2
59	013-1010003	5/16" INTERNAL LOCK WASHER (Ni)	11
60	013-1006003	3/8" SPLIT LOCK WASHER (Ni)	10
61	013-1006004	1/2" SPLIT LOCK WASHER (Ni)	2
62	011-0704001	3/8-16UNC X .75" SQUARE HEAD (Ni)	1
63	011-0701112	#10-32UNC x .5 BHCS (Ni)	2
64	011-0701004	5/16"-18UNC X 1.25" BHCS (Ni)	2
65	011-0701003	5/16"-18UNC X 1.00" BHCS (Ni)	9
66	011-0701020	3/8"-16UNC X 1.00" BHCS (Ni)	14
67	011-0701048	1/2"-13UNC X 1.25" BHCS (Ni)	2
68	011-0701049	1/2"-13UNC X 1.50" BHCS (Ni)	2
69	011-0702020	3/8"-16UNC X 1.00" FHCS (Ni) W/NYLON PATCH	12
70	011-0116145	3/8"-16UNC X 1.75" LOW HEAD SHCS (Ni)	2

PART LIST CONTINUED

NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
71	011-0116146	3/8"-16UNC X 2.00" LOW HEAD SHCS (Ni)	1
72	011-0116148	3/8"-16UNC X 2.50" LOW HEAD SHCS (Ni)	1
73	011-0116115	1/2"-13UNC X 3.00" LOW HEAD SHCS (Ni)	2
74	011-0116116	1/2"-13UNC X 3.25" LOW HEAD SHCS (Ni)	4
75	012-0504006	5/16"-18UNC THIN NYLOCK NUT (Ni)	2
76	012-0504005	3/8"-16 UNC THIN NYLOCK NUT (Ni)	12
77	012-0504002	1/2"-13 UNC THIN NYLOCK NUT (Ni)	8
78	021-0003512	DECAL PINCH POINT 1.18" X 1.35" (TRIANGLE)	2
79	021-0004032	DECAL ADJUST 1-7 VERTICAL TXT.	1
80	021-0004197	PUSH AND TURN	2
81	021-0004244	RS WEIGHT STACK DECAL: 255LBS (15LB TOP WEIGHT)	1
83	021-0013347	RS-2501 PLACARD	1
84	SERIAL # DECAL	DECAL HOIST SERIAL # 1.63" X 2.63"	1
85	RS-CAGE-NG	RS WEIGHT CAGE NG	1
86	WT-STK #24	255 LBS STACK (15LB TOP WEIGHT W/ 18 HOLE STEM)	1
87	021-0004207	ADJUSTER HANDLE DECAL, LEFT	1
88	021-0004208	ADJUSTER HANDLE DECAL, RIGHT	1

PAGE 21 RS-2501 ASSEMBLY

ABBREVIATIONS

BZ = Black Zinc

Ni = Nickel Plated

SS = Stainless Steel

WZ = White Zinc



HHB = Hex Head Bolt



FHCS = Flat Head Cap Screw



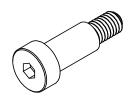
BHCS = Button Head Cap Screw



SHCS = Socket Head Cap Screw

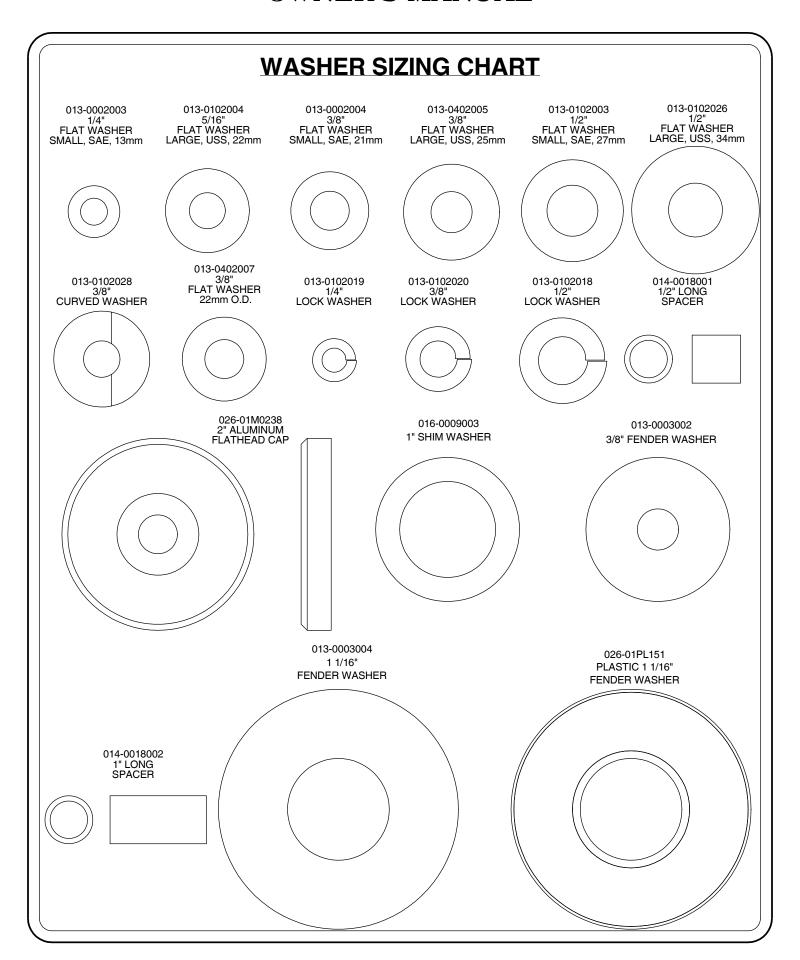


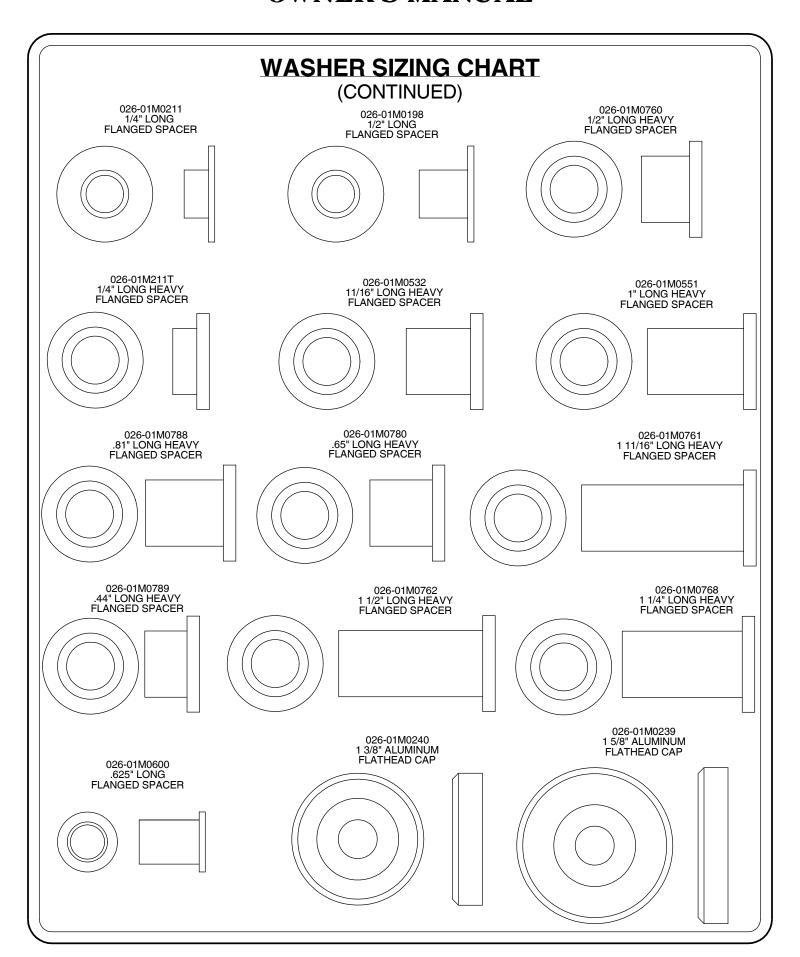
Low Head SHCS = Low Head Socket Head Cap Screw



SHSS = Socket Head Shoulder Screw

BOLT SIZING CHART 1/4" HHB 1/2" HHB 5/16" HHB 3/8" HHB RECOMMENDED RECOMMENDED RECOMMENDED RECOMMENDED TORQUE RANGE: TORQUE BANGE: TORQUE RANGE: TORQUE RANGE: 6-8 ft-lbs 14-17 ft-lbs 24-30 ft-lbs 60-75 ft-lbs 1/4" BHCS 5/16" BHCS 3/8" BHCS 1/2" BHCS RECOMMENDED RECOMMENDED RECOMMENDED RECOMMENDED TORQUE RANGE: TORQUE RANGE: TORQUE RANGE: TORQUE RANGE: 5-7 ft-lbs 11-15 ft-lbs 19-26 ft-lbs 47-65 ft-lbs 1/4" 5/16" 3/8" 1/2" **LOW HEAD** LOW HEAD LOW HEAD LOW HEAD SHCS SHCS SHCS **SHCS** \bigcirc RECOMMENDED RECOMMENDED RECOMMENDED RECOMMENDED TORQUE RANGE: TORQUE RANGE: TORQUE RANGE: TORQUE RANGE: 4-6 ft-lbs 9-12 ft-lbs 18-23 ft-lbs 40-50 ft-lbs 1/4" SHCS 5/16" SHCS 3/8" SHCS RECOMMENDED RECOMMENDED RECOMMENDED TORQUE RANGE: TORQUE RANGE: TORQUE RANGE: 23-29 ft-lbs 39-49 ft-lbs 11-14 ft-lbs 3/4" 1/2 3/4 3/4" 2 0 က္ <u>.</u>C a ო Ŋ Ŋ 1/2" FHCS 1/4" FHCS 3/8" FHCS RECOMMENDED RECOMMENDED RECOMMENDED TORQUE RANGE: TORQUE RANGE: TORQUE RANGE: 47-65 ft-lbs 19-26 ft-lbs 5-7 ft-lbs 3/4" 1/2 3/4 3/4 3/4 3/4 5 ū ģ Ŋ Ŋ က Q 3/8" SHSS 5/16" SHSS 1/4" SHSS RECOMMENDED RECOMMENDED RECOMMENDED **TORQUE RANGE:** TORQUE RANGE: TORQUE RANGE: 17-22 ft-lbs 8-10 ft-lbs 3-4 ft-lbs





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.

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 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 properly.

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

WEIGHT TRAINING TIPS

In order to gain maximum results from your RS-2501 and to avoid possible injury, always consult your physician before starting any exercise program and consult a fitness professional to develop your complete 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 RS-2501, 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 RS-2501!

Totals													Exercise	t aso
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WEIGHT TRAINING EXERCISE LOG

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

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

PLEASE KEEP THIS FOR YOUR RECORDS