

AMERICA'S PREMIER EXERCISE EQUIPMENT



OWNER'S MANUAL



LEG EXT/CURL STATION

AP-71LE Rev1

Introduction

About the LEG EXT/CURL STATION. Congratulations on your new purchase of the LEG EXT/CURL STATION. We hope you are completely satisfied with this product and wish you many years of enjoyment.

Tuff Stuff Equipment

This Tuffstuff product has been built to precise quality standards and has been carefully packaged to ensure that damage will not occur during shipment. The Home Lifetime Warranty and signature indicating final inspection has been conducted by our line foreman, is an expression of our confidence in the completeness, the materials, and workmanship of this product.

W_{arranty}

SEE A COPY OF WARRANTY ON BACK PAGE.

Registration Card

To avoid unnecessary delays in warranty service and to insure that a permanent record of your purchase is on file with our factory, be sure to complete the warranty registration card and send it to TuffStuff Fitness Equipment today.

Specifications

Maximum Wt. Capacity - 200 lbs.
 Total Machine Weight - 434 lbs.

3. Footprint (LWH) - Height is 77". For footprints refer to

the Center Post/Rear Post Assembly

Manuals.

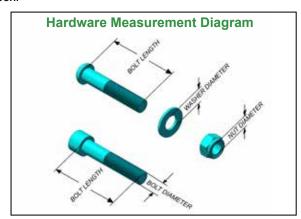
Note: Due to continuing product improvements, specifications and designs are subject to change without notice.

${\cal P}$ rior to the Assembly of the LEG EXT/CURL STATION

 We advise you to consult your local Tuff Stuff retailer if you should have a question or problem regarding the proper assembly of this unit.

Tool Requirements

- 1. One 7/8" combination wrench
- 2. Two 3/4" combination wrench
- 3. One 9/16" combination wrench
- 4. One 1/2" combination wrench
- 5. One 7/16" combination wrench
- 6. One adjustable wrench
- 7. One ratchet
- 8. One 3/4" socket
- 9. One 9/16" socket
- 10. One rubber mallet
- 11. Windex or household glass cleaner
- 12. Measuring tape
- 13. Utility knife
- 14. The <u>hex key alloy set</u> included in the Center Post/Rear Post box.



Safety Precautions

$S_{afety} \mathcal{F}_{irst}$

Regardless of how enthusiastic you may be about getting on your equipment and exercising, take the time to ensure that your safety is not jeopardized. A moment's lack of attention can result in an accident, as can failure to observe certain simple safety precautions.

- Read, study and understand the Assembly Instructions and all the warning labels on this product. Furthermore, it is recommended to familiarize yourself and others with the proper operation and workout recommendations for this Tuff Stuff product prior to use.
- It is imperative that you retain this Assembly Instructions and be sure all warning labels are legible and intact. Replacement Assembly Instructions and labels are available from your local Tuff Stuff retailer.
- 3. Consult with your physician before beginning any exercise program.

- 4. Frayed or worn cables can be dangerous and may cause injury. Periodically check the cable for any indication of wear.
- 5. Use proper discretion when children are present.
- 6. Keep hands, limbs, loose clothing and long hair well out of the way of moving parts.
- 7. Do not attempt to lift more weight than you can control safely.
- Inspect the Unit for any sign of wear on parts, hardware becoming loose or cracks on welds. If a problem is found do not use or allow the machine to be used until the defective part is repaired or replaced.





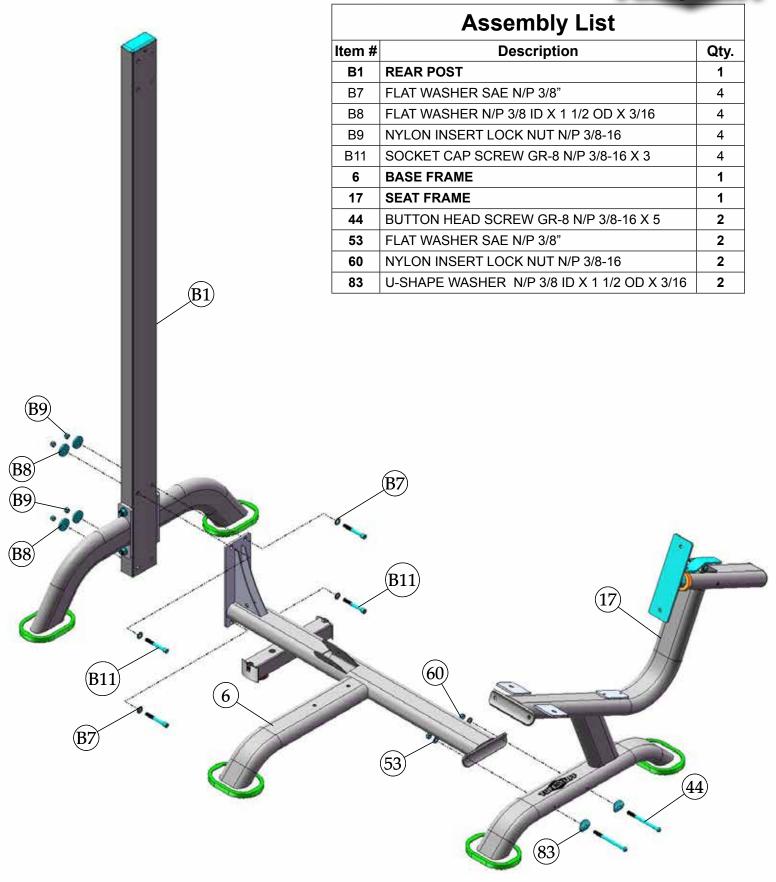
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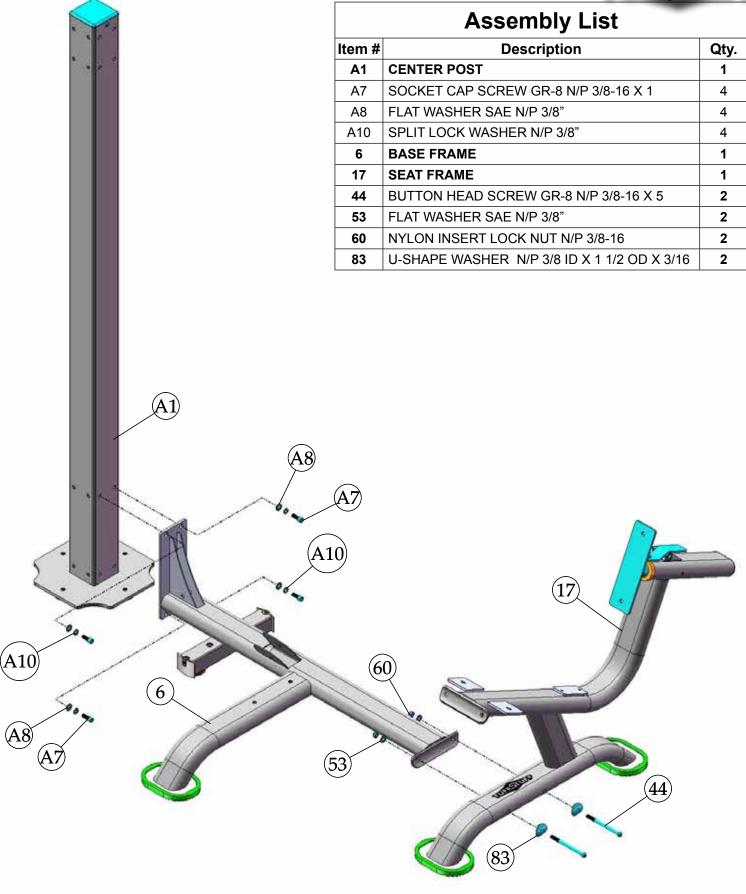
INSTRUCTIONS FOR A SINGLE STATION ASSEMBLY ONLY: FOR STEPS 1 AND 2 YOU WILL NEED SOME HARDWARE THAT IS PROVIDED IN THE AP-70RP BOX. ONCE YOU COMPLETE STEPS 1 AND 2 SKIP TO STEP 5 TO RESUME INSTALLATION.

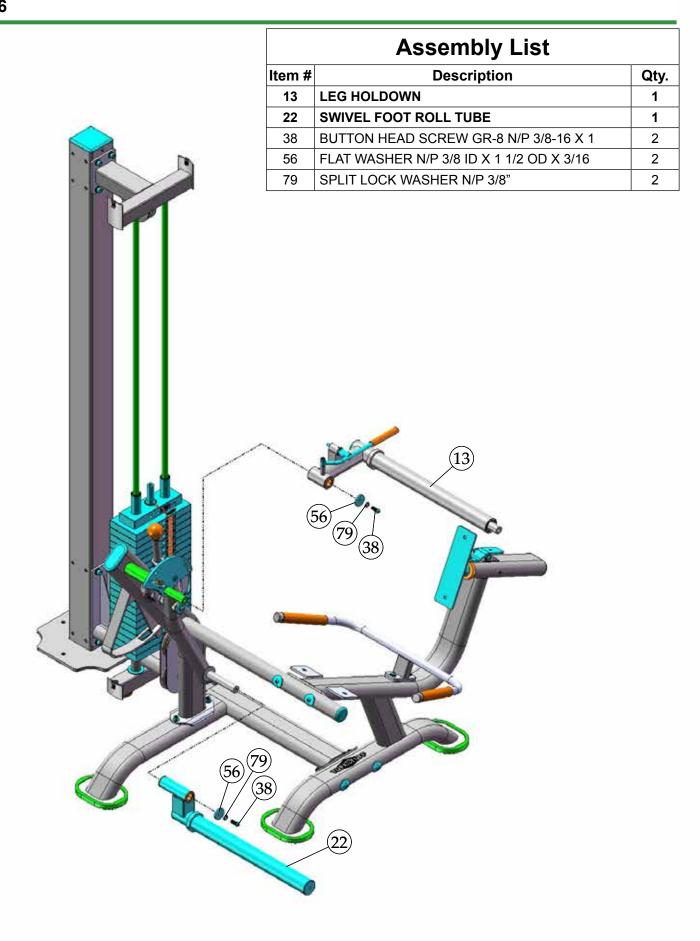
INSTRUCTIONS FOR A MULTI STATION ASSEMBLY ONLY: BEGIN ASSEMBLY IN STEP 3. FOR STEPS 3 AND 4 YOU WILL NEED SOME HARWARE THAT IS PROVIDED IN THE AP-70CP BOX.

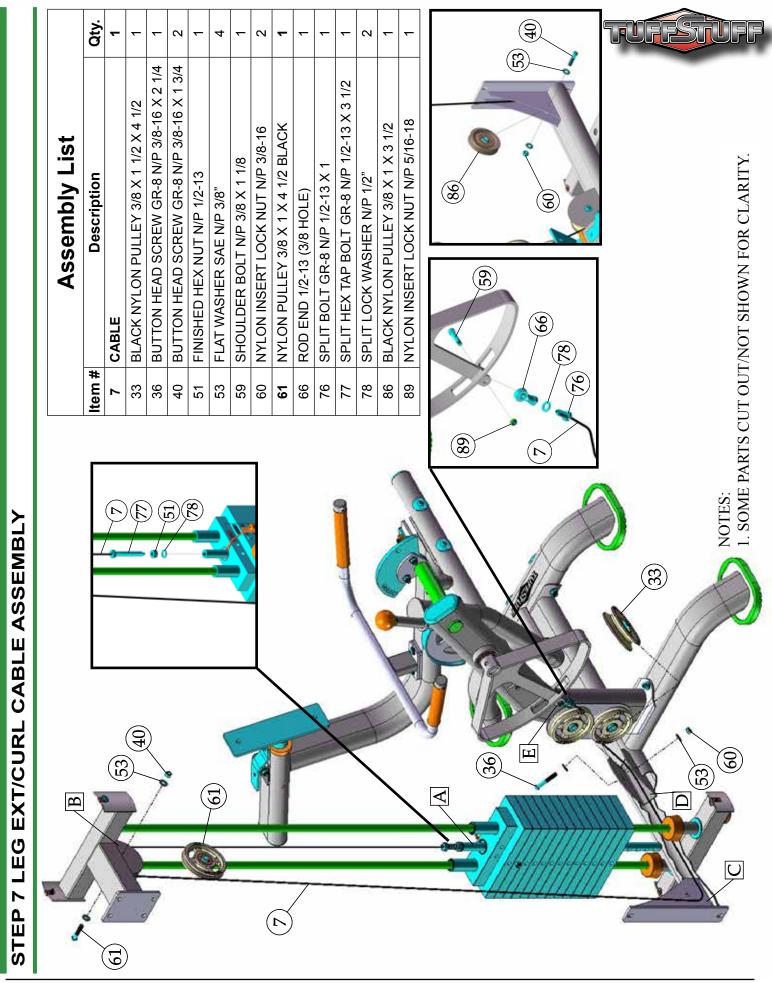






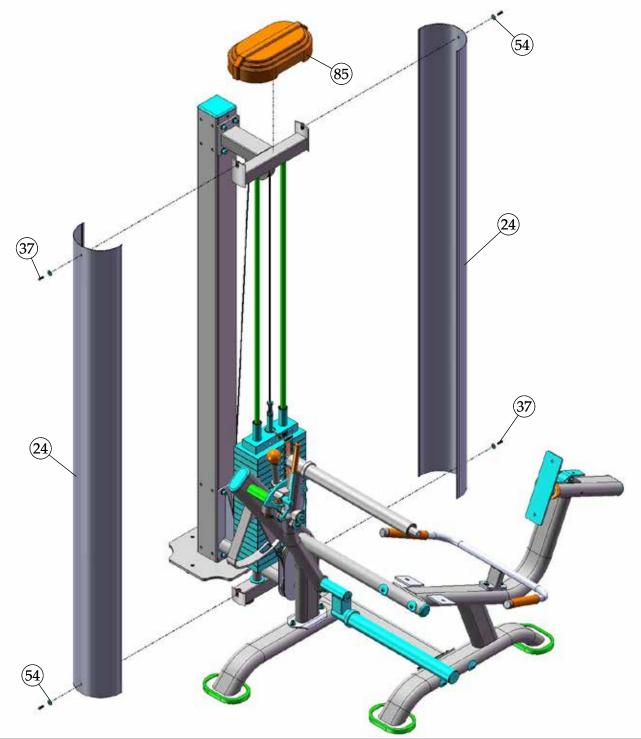


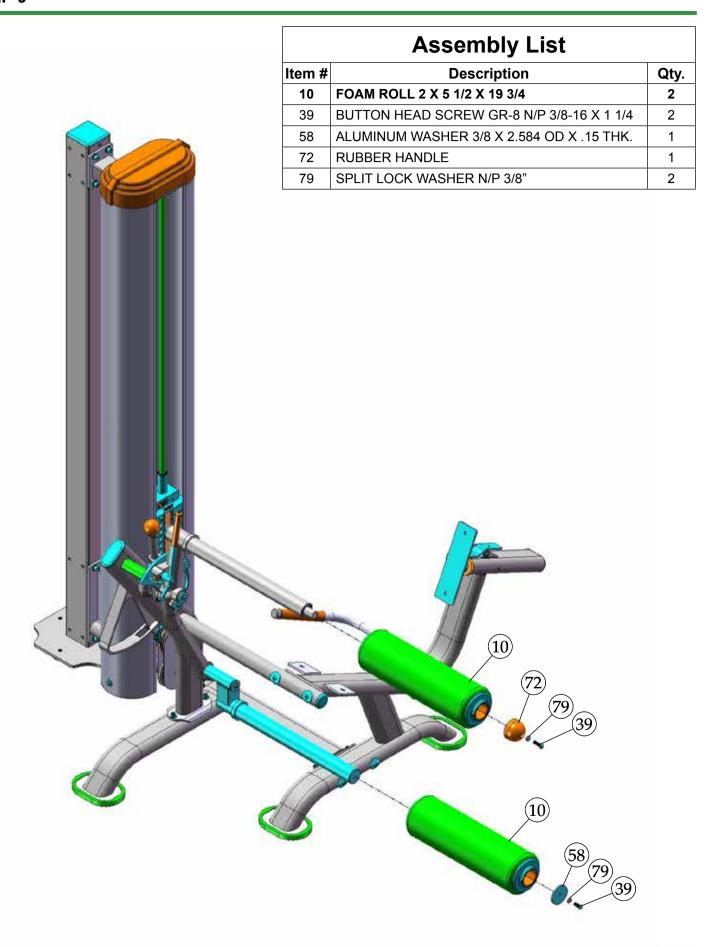




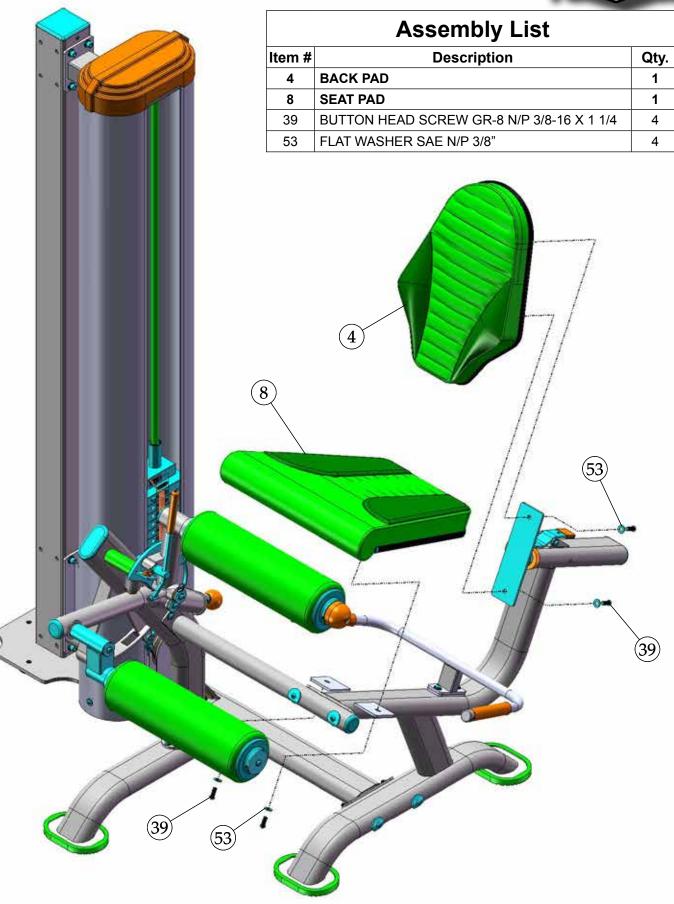
STEP 8

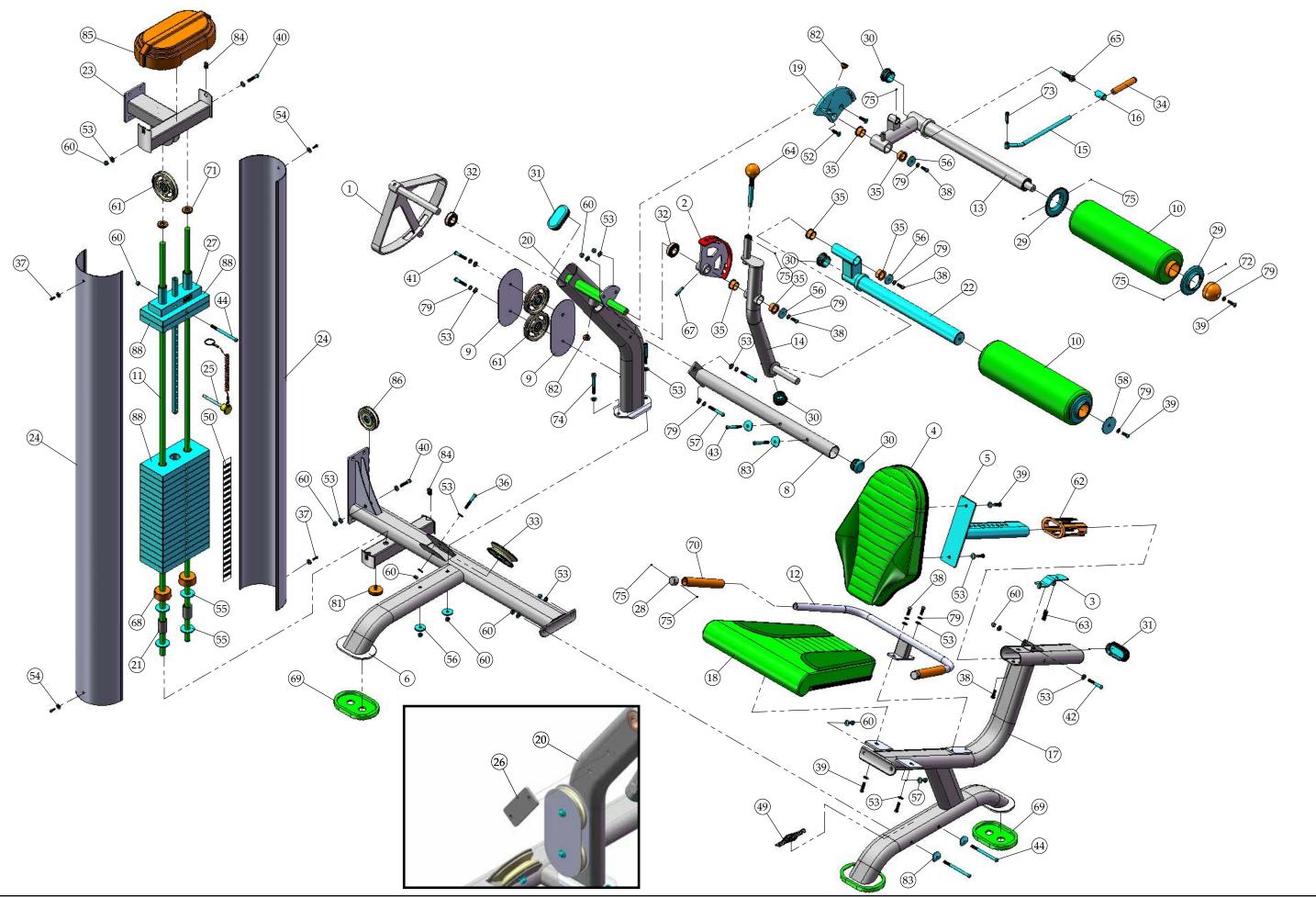
Assembly List						
Item #	Description					
24	WEIGHT SHIELD	2				
37	BUTTON HEAD SCREW GR-8 N/P 1/4-20 X 3/4	4				
54	FLAT WASHER USS N/P 1/4"	4				
85	WEIGHT STACK LID	1				













COLOR CHART GRAY= SUB-ASSEMBLY PARTS BLACK= HARDWARE

AP-71LE Parts List

AP-71LE REV0

Item No.	Description	Rev.	Part No.	Qty.	Item No.	Description	Part No.	Qty.
1	ACTUATOR ARM	0	UP6213	1	47	DECAL-IMPORTANT ADJUST CABLE HERE (REV 0)	BNH1893	1
2	ADJUSTABLE CAM	1	UP6214	1	48	DECAL-IMPORTANT FOR BEST PERFORMANCE (REV 0)	BNH1894	2
3	ADJUSTABLE RELEASE HANDLE	0	UP7086	1	49	TUFFSTUFF LOGO ALUMINUM SMALL (ADHESIVE)	BNH2463	1
4	BACK PAD	0	UP6147	1	50	DECAL-WEIGHT NUMBERS REF TP-10 (200 lbs)	BNH1542	1
5	BACK PAD SELECTOR TUBE	0	UP6137	1	51	FINISHED HEX NUT N/P 1/2-13	BNH2516	1
6	BASE FRAME	0	UP6215	1	52	FLAT HEAD SOCKET CAP SCREW N/P 3/8-16 X 1 1/4	BNH2459	2
7	LEG EXT/CURL CABLE	0	UP6216	1	53	FLAT WASHER SAE N/P 3/8"	BNH2524	26
8	CROSS BRACE	0	UP6217	1	54	FLAT WASHER USS N/P 1/4"	BNH2525	4
9	DOUBLE PULLEY BRACKET (4 1/2 PULLEYS)	0	UP6225	2	55	FLAT WASHER N/P 3/4 X 2	BNH2526	4
10	FOAM ROLL 2 X 5 1/2 X 19 3/4	0	UP7084	2	56	FLAT WASHER N/P 3/8 ID X 1 1/2 OD X 3/16 THICK	BNH2396	5
11	GUIDE RODS 3/4 RD X 71 3/4	0	UP6201	2	57	BUTTON HEAD SOCKET CAP SCREW GR-8 N/P 3/8-16 X 2 3/4	BNH2436	2
12	HANDLES	0	UP6252	1	58	ALUMINUM WASHER 3/8 X 2.584 OD X .15 THK.	BNH1521	1
13	LEG HOLDOWN	0	UP6218	1	59	SHOULDER BOLT N/P 3/8 X 1 1/8	BNH2498	1
14	PIVOT ARM	0	UP6219	1	60	NYLON INSERT LOCK NUT N/P 3/8-16	BNH2450	13
15	RELEASE HANDLE	0	UP6220	1	61	NYLON PULLEY 3/8 X 1 X 4 1/2 BLACK	BNH0506	3
16	RELEASE HANDLE HOUSING	0	UP6221	1	62	PLASTIC INSERT ELLIPTICAL GUIDE (2X4)	BNH1760	1
17	SEAT FRAME	0	UP6222	1	63	PULL PIN STIFF SPRING 17/32 X 1 1/2 K-105SS	BNH0519	1
18	SEAT PAD	0	UP6253	1	64	PUSH PULL PIN 1/2 X 5 5/8 ASSY W/BALL KNOB	BNH2471	1
19	SELECTOR PLATE	0	UP6226	1	65	PUSH PULL PIN ASSY 3/8 X 2 1/2 DRILLED	BNH1429	1
20	SIDE FRAME	0	UP6224	1	66	ROD END 1/2-13 (3/8 HOLE)	BNH2488	1
21	SPACER 1 ID X 1 1/4 OD X 2	0	UP6267	2	67	ROLL PIN N/P 3/8 X 1 1/2	BNH2531	1
22	SWIVEL FOOT ROLL TUBE	0	UP6250	1	68	RUBBER DONUT 3/4 X 2 1/2	BNH0068	2
23	TOP GUIDE ROD HOUSING	0	UP6248	1	69	RUBBER FOOT FOR 6 X 4 1/4 PLATE	BNH1647	3
24	WEIGHT SHIELD	0	UP6205	2	70	RUBBER GRIP 1 ID X .125 X 7	BNH0962	2
25	SELECTOR PIN W/COIL 3/8 X 4 GOLD KNOB	0	UP3035	1	71	RUBBER GROMMET 3/4" ID	BNH0401	2
26	REINFORCEMENT PLATE 1/4 X 2 X 5 (3/8-16 TPI HLS)	0	UP7085	1	72	RUBBER HANDLE	BNH2122	1
27	10 LB TOP PLATE W/ADJ SLTR BAR 19 BLK WTS ASSY		BNH1982	1	73	SHOULDER BOLT N/P 3/8 X 3/4	BNH2392	1
28	ALUMINUM CAP 1.020" RD (CAP-100)		BNH0537	2	74	SOCKET CAP SCREW GR-8 N/P 3/8-16 X 3	BNH2369	2
29	ALUMINUM FOOT ROLL CAP 2 3/8 ID X 4 1/2 OD X 3/4		BNH1510	4	75	SOCKET SET SCREW N/P 10-32 X 1/8	BNH2518	14
30	ALUMINUM INSERT CAP 2" RD		BNH2470	4	76	SPLIT BOLT GR-8 N/P 1/2-13 X 1 (RND CUT)	BNH2478	14
31	ALUMINUM INSERT ELLIPTICAL CAP 2 X 4		BNH2398	2	77	SPLIT HEX TAP BOLT GR-8 N/P 1/2-13 X 3 1/2	BNH2527	1
32	BALL BEARING #W 516		BNH0628	2	78	SPLIT LOCK WASHER N/P 1/2"	BNH2519	2
33			BNH1694	1	79	SPLIT LOCK WASHER N/P 3/8"	BNH2520	11
34	BLACK RUBBER GRIP 1/2 X 4 1/2 (BNH2015	1	80	SUPER LUBE TEFLON LUBRICANT 82340	BNH0704	1
35	BRONZE BUSHING 1 X 1 1/4 X 3/4 X 1 1/2 X 1/8		BNH2015 BNH0527	6	81	RUBBER BUMPER 2"	BNH2486	2
36	BUTTON HEAD SOCKET CAP SCREW GR-8 N/P 3/8-16)	() 1/4		1	82	URETHANE BUMPER 962	BNH0244	2
37	BUTTON HEAD SOCKET CAP SCREW GR-8 N/P 1/4-20 2		BNH2447	4	83	U-SHAPE WASHER N/P 3/8 ID X 1 1/2 OD X 3/16 THICK	BNH2393	4
38	BUTTON HEAD SOCKET CAP SCREW GR-8 N/P 3/8-16)		BNH2528	6	84	U-STYLE TAPPED HOLE NUT 1/4-20	BNH0708	4
39	BUTTON HEAD SOCKET CAP SCREW GR-8 N/P 3/8-16 2			6	85	WEIGHT STACK LID		1
40	BUTTON HEAD SOCKET CAP SCREW GR-6 N/P 3/8-16 2			2	86		BNH1693 BNH0553	1
40						BLACK NYLON PULLEY 3/8 X 1 X 3 1/2 (P-35375-H)		1
41	BUTTON HEAD SOCKET CAP SCREW GR-8 N/P 3/8-16 2		BNH2427	2	87 88	DECAL-WARNING ATTENTION USERS! MAKE (REV 0)	BNH2152	
	BUTTON HEAD SOCKET CAP SCREW GR-8 N/P 3/8-16 2			1		10 LB STEEL WEIGHT PLATE BLACK 4 9/16 X 9 7/16 ASSY	BNH1650	1
43	BUTTON HEAD SOCKET CAP SCREW GR-8 N/P 3/8-16 X		BNH2432	2	89	NYLON INSERT LOCK NUT N/P 5/16-18	BNH2529	1
44	BUTTON HEAD SOCKET CAP SCREW GR-8 N/P 3/8-16)		BNH2440	3	90	DECAL WARNING PINCH POINTS 2 X 1.5	BNH2497	1
45	DECAL-DANGER TIGHTEN THIS RETAINING (REV 2)	BNH0142	2	91	DECAL- SERIAL NO. (AP-71LE)	BNH2538	1
46	DECAL-EXERCISE LEG EXTENSION/CURL		BNH2465	1				<u> </u>



TuffStuff Basic Strength Equipment Safety and General Maintenance

All TUFFSTUFF strength equipment is designed and manufactured to offer maximum, long-life service with minimal maintenance. However, safety inspection and routine maintenance in your facility should be the upmost importance in your daily operation. Information presented in these pages will serve as a basic guideline to design your own inspection procedures.

Part One: General Inspection and Cleaning

Equipment should be wiped down with a damp cloth and dried on a daily basis. The powder coat finish should be polished with a good car wax on a monthly basis. A daily wipe down of the upholstery with a lanolin based hand cleaner or Naugahyde Cleaner. Do not use cleaners such as Lysol or Windex as they will dry out and crack the vinyl. Lanolin hand cleaner dissolves the sweat and lubricates the vinyl, maintaining its natural flexibility. Sweat is corrosive and when left on the frame and components will eventually cause corrosion or rust. When performing these cleaning sessions, it is the perfect time to inspect the equipment and note any problems for the maintenance personnel to correct.

- 1. Check equipment if it is operating properly.
- 2. Check the cable for loose fittings or frayed cable and is seating properly on the pulleys and cams.
- 3. Make sure that the proper weight stack selector pin is with each machine and that the pin functions properly.
- 4. If something appears loose be sure to have it tightened immediately.
- 5. If a piece of equipment appears damaged or not operation properly, place the piece out-of-service immediately.

Part Two: Maintenance

In this paragraph, we will discuss the inspection of the cables, pulleys and their associated components. If there exists the potential for injury to occur on a machine, it will most likely lie in the cable system. It is important to inspect the cables frequently and let it be known to all users that it is their responsibility to report any worn-out cable to prevent a sudden failure that can result in an injury. Cables are moving parts, meaning cable-wear will occur regardless of the type or size used. In the advent of the 3/16" mill-spec cable this wear takes longer to become apparent and this is why frequent inspections are so important.

- 1. Check the cable termination at the weight stack. To perform any cable tension adjustment, loosen the hex jam nut and thread the hex tap bolt in or out to give cable the proper tension. Re-tightened the hex jam nut when adjustment is complete and make sure the hex tap bolt is threaded 1/2" into the socket of the selector bar top plate.
- 2. Check the cable as it terminates at the cam. Check the end fitting for any signs of fraying in this area. Inspect the bolt and nut and/or screw holding the fitting and be sure that it is tight.
- 3. Check the cables as it passes over all pulley wheels. Visually inspect the cables and pulleys. A cable that is wearing will exhibit a ballooned surface that passes over the pulley. This is and early warning sign to replace the cable.





Part Three: Lubrication

Bearing and linear bearings systems have advanced over the years but they must be maintained on a regular basis if you expect them to last and perform efficiently. TuffStuff uses only the highest quality bearings and linear motion components that are virtually trouble-free but requires the regular preventive maintenance to insure long-lasting performance.

- 1. Bronze and nylon bushings, we recommend on a monthly basis to spray a teflon-base lubricant (silicone-free) directly onto the shaft as it passes through these bushings. Spray a small amount onto the shaft and rotate it through its complete movement and wipe off any excess.
- 2. Weight stack guide rods and bushings, again use teflon spray lubricant and this time spray onto a rag and wipe the guide rods down with this rag on a weekly basis. Do not use WD-40 or other lubricants as they attract dirt and will crate a mess between the weight plates and bushings.
- 3. Sealed bearings pivot points, as the name implies are protected from the outside environment and require no lubrication. During the machine wipe down, wipe the external bearing surfaces with the damp rag and dried to prevent the build up of dust and sweat.
- 4. Linear bearing systems are precision, high load components that require regular maintenance. Dirt and corrosion are the major culprits in linear bearing failure. The hardened shafts must be wiped down weekly and lubricated with a light layer of teflon grease. We recommend a teflon-base (silicone-free) gel/grease for this purpose. Lack of care and maintenance will result in corrosion of the linear shaft causing the bearings to clogged and jammed.

If you religiously perform the maintenance procedures, you will increase the life of the machine and ultimately lower your maintenance costs with fewer replaced components and downtime.

Any doubts, equipment with mechanical problems should be placed "Out-of-Service" until all problems are corrected. If replacement parts are required or maintenance questions, please contact:

TuffStuff Fitness Equipment, Inc. Service Department 1325 E. Franklin Avenue Pomona, CA 91766 1-800-961-9377

e-mail: service@tuffstuff.net

DO NOT DISCARD THIS MANUAL



TUFFSTUFF LIMITED WARRANTY

TuffStuff warrants to the original purchaser that TuffStuff equipment will be free from defects in material and workmanship. All warranty periods begin to run from the date of delivery to the original purchaser. The warranty and remedies set forth herein are conditioned upon proper storage, installation, use and maintenance and conformance with any recommendations of TuffStuff. This warranty does not cover products not manufactured by TuffStuff or products which are altered without the express written consent of TuffStuff. This warranty as specified:

WARRANTY: a) Frames, welds, cams and weight plates -- Lifetime, b) Pivot bearings, pulleys, bushings, gas shocks and guide rods -- Five (5) years, c) Belts, linear bearings and pull-pin components -- One (1) year, and d) Upholstery, cables, finish and rubber grips -- Six (6) months, and all other parts not mentioned elsewhere in this warranty will expire one (1) year from the date of delivery to the original purchaser. The obligation of TuffStuff under this warranty is limited to repairing or replacing warranted defective parts, as TuffStuff may elect, at TuffStuff's facility in Pomona, California, without charge to purchaser for either parts or labor. Purchaser is responsible for installation of repaired or replaced parts, and all transportation and insurance costs on returned or replaced equipment to and from TuffStuff's facility in Pomona.

THE FOREGOING SHALL CONSTITUTE THE SOLE REMEDY OF THE PURCHASER AND THE SOLE LIABILITY OF TUFFSTUFF WITH REGARD TO WARRANTY. NO IMPLIED STATUTORY WARRANTY OR IMPLIED STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY. IN NO EVENT, WHETHER AS A RESULT OF BREACH OF CONTRACT, WARRANTY, NEGLIGENCE OR OTHERWISE, SHALL TUFFSTUFF BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUE, LOSS OF USE OF EQUIPMENT, COST OF CAPITAL, COST OF SUBSTITUTION EQUIPMENT, DOWNTIME COST, OR CLAIMS OF CUSTOMERS OR PURCHASER FROM SUCH DAMAGE.

This written warranty is the final, complete and exclusive agreement of the parties with respect to the quality or performance of the equipment and no action for breach of this written warranty or any implied warranty shall be commenced more than one (1) year after the accrual of the cause of action. No modification of this warranty or waiver of its terms shall be binding on either party unless approved in writing by an authorized representative of the party. Contact TuffStuff Fitness Equipment, Inc. at 1325 E. Franklin Avenue, Pomona, California 91766, before returning any defective equipment.

TuffStuff Fitness Equipment, Inc.

1325 E. Franklin Avenue
Pomona, CA 91766, USA
Ph: 909-629-1600 Fax: 909-629-4967
E-mail: service@tuffstuff.net Net: www.tuffstuff.net