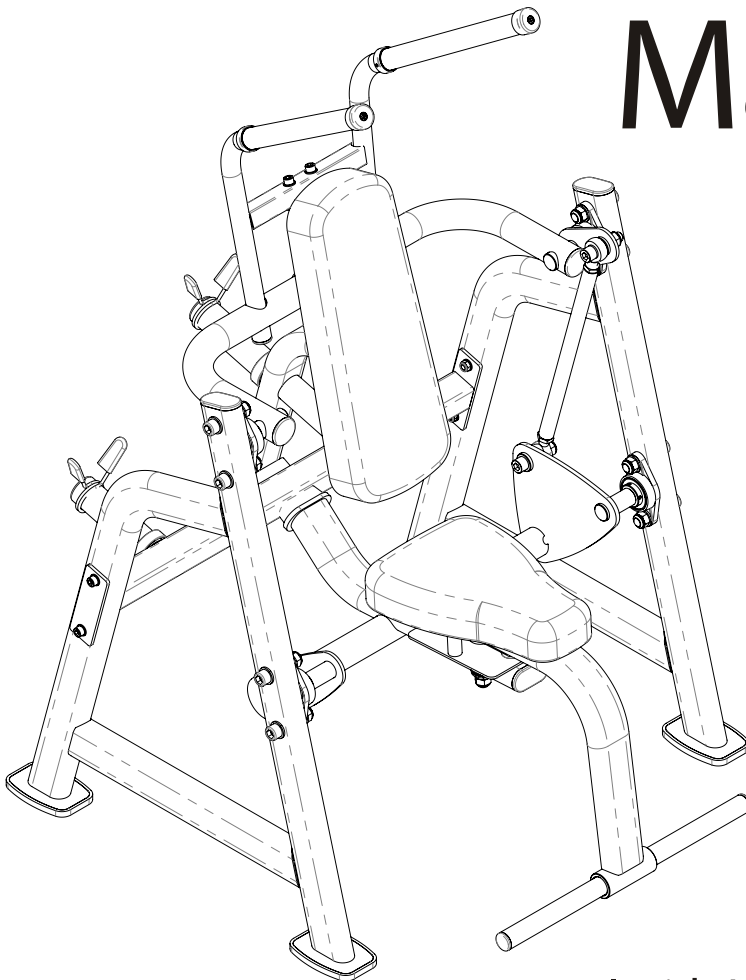


the **Vertical** **CRUNCH LC**™

Owner's Manual

Model # ABS 2004



Inside Warranty Information



! CAUTION

Read all precautions and instructions
in the manual before using this equipment.

Table Of Contents

Important Safety Instructions-----	3
Instructions-----	4
Parts List-----	5
Exploded View-----	6
Measurement Guide-----	7
Assembly Instructions-----	8
Assembly-----	9
Maintenance Schedule-----	13
General Maintenance Information-----	14
Weight Training Tips-----	15
Warranty-----	16



Read all precautions and instructions
in the manual before using this equipment.

Important Safety Instructions

Before beginning any fitness program, you should obtain a complete physical examination from your physician. When using exercise equipment, basic precautions should always be taken, including the following:

1. Read all instructions before using the equipment.
These instructions are written to ensure your safety and to protect the unit.
2. Use the equipment only for its intended purpose as described in this guide.
Do not use accessory attachments that are not recommended by the manufacturer: such attachments might cause injuries.
3. The product should only be used on a level surface and is with 0.5 meters space around the product.
Do not use the equipment outdoors.
4. Do not allow children on or near the equipment. And children are not allowed to use this equipment.
Teenagers should use this equipment with adult supervision.
5. Do not overexert yourself or work to exhaustion.
Do not attempt to lift more weight than you can control safely.
If you feel any pain or abnormal symptoms, stop your workout immediately and consult your physician.
6. This equipment is not used as medical apparatus and instruments.
7. Never operate the unit when it has been dropped or damaged.
Never drop or insert anything into any opening in the equipment.
Always check the unit and its cables before each use. Make sure that all fasteners and cables are secure and in good working condition.
Frayed or worn cables can be dangerous and may cause injury. Periodically check these cables for any indication of wear.
Keep hands, limbs, loose clothing and long hair well out of the way of moving parts.
8. Be careful when getting on or off the equipment.
9. Wear proper exercise clothing and shoes for your workout, no loose clothing.

Personal Safety During Assembly

Read each step in the assembly instructions and follow the steps in sequence. Do not skip ahead. If you skip ahead, you may learn later that you have to disassemble components and that you may have damaged the equipment.

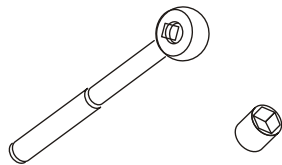
Assemble and operate the equipment on a solid, level surface. Locate the unit a few feet from walls or furniture to provide easy access. The equipment is designed for your enjoyment. By following these precautions and using common sense, you will have many safe and pleasurable hours of healthful exercise with the equipment.

Instructions

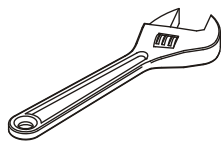
Before beginning assembly please take the time to read instructions thoroughly. Please use the various lists in this manual to make sure that all parts have been included in your shipment. When ordering, use part number and description from the lists. Use only our replacement part when servicing. Failure to do so will void your warranty and could result in personal injury.

The 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 dealer. Be sure to have your serial number and this manual when calling. When all parts have been accounted for, continue on.

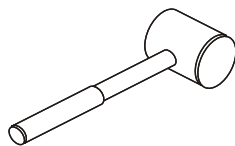
Tools Required



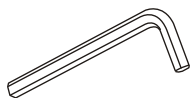
Ratchet Wrench and Socket



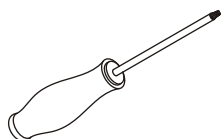
Adjustable Wrench



Rubber Mallet



Hex Key Wrench Set



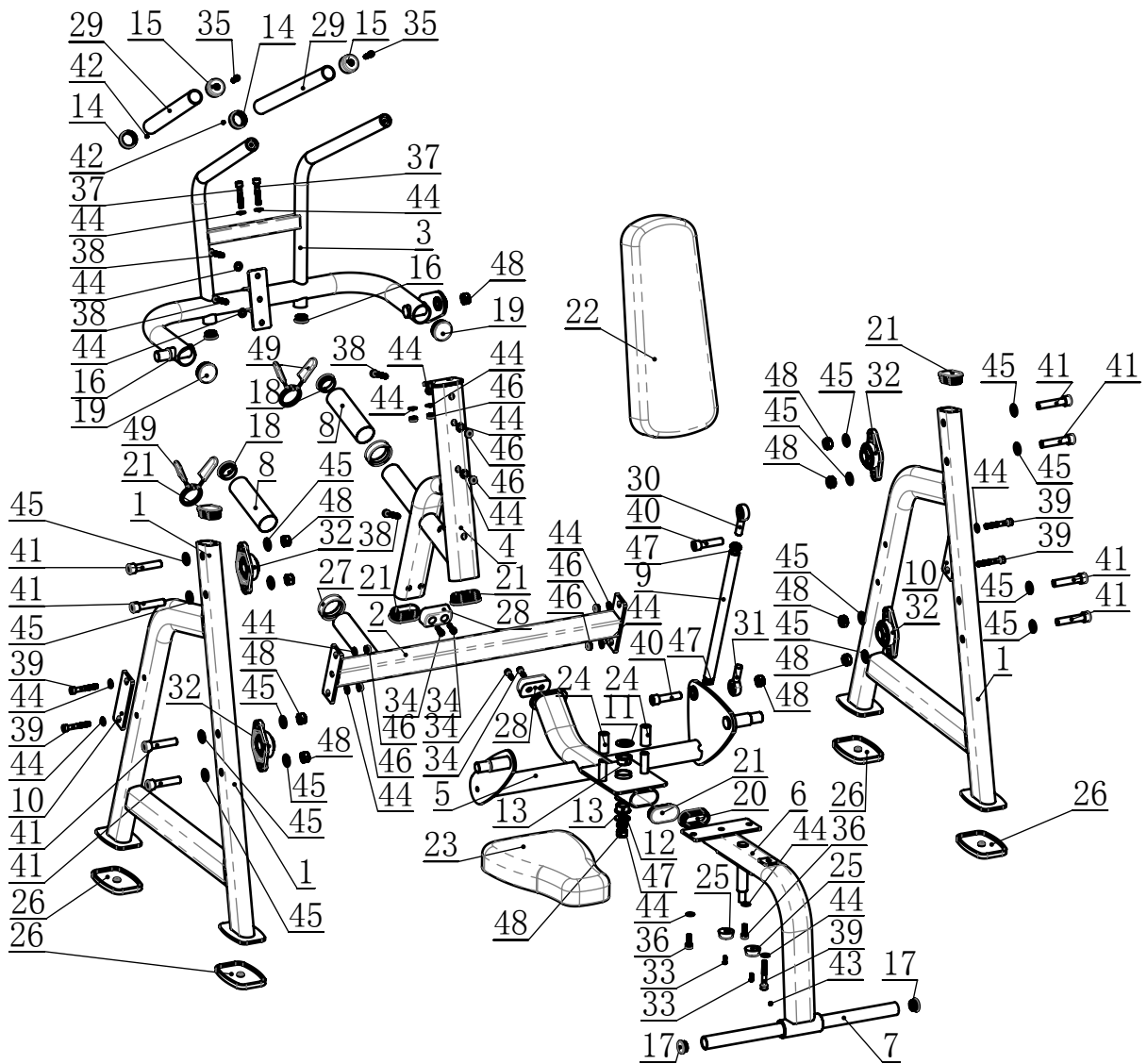
Phillips Screwdriver

Parts List

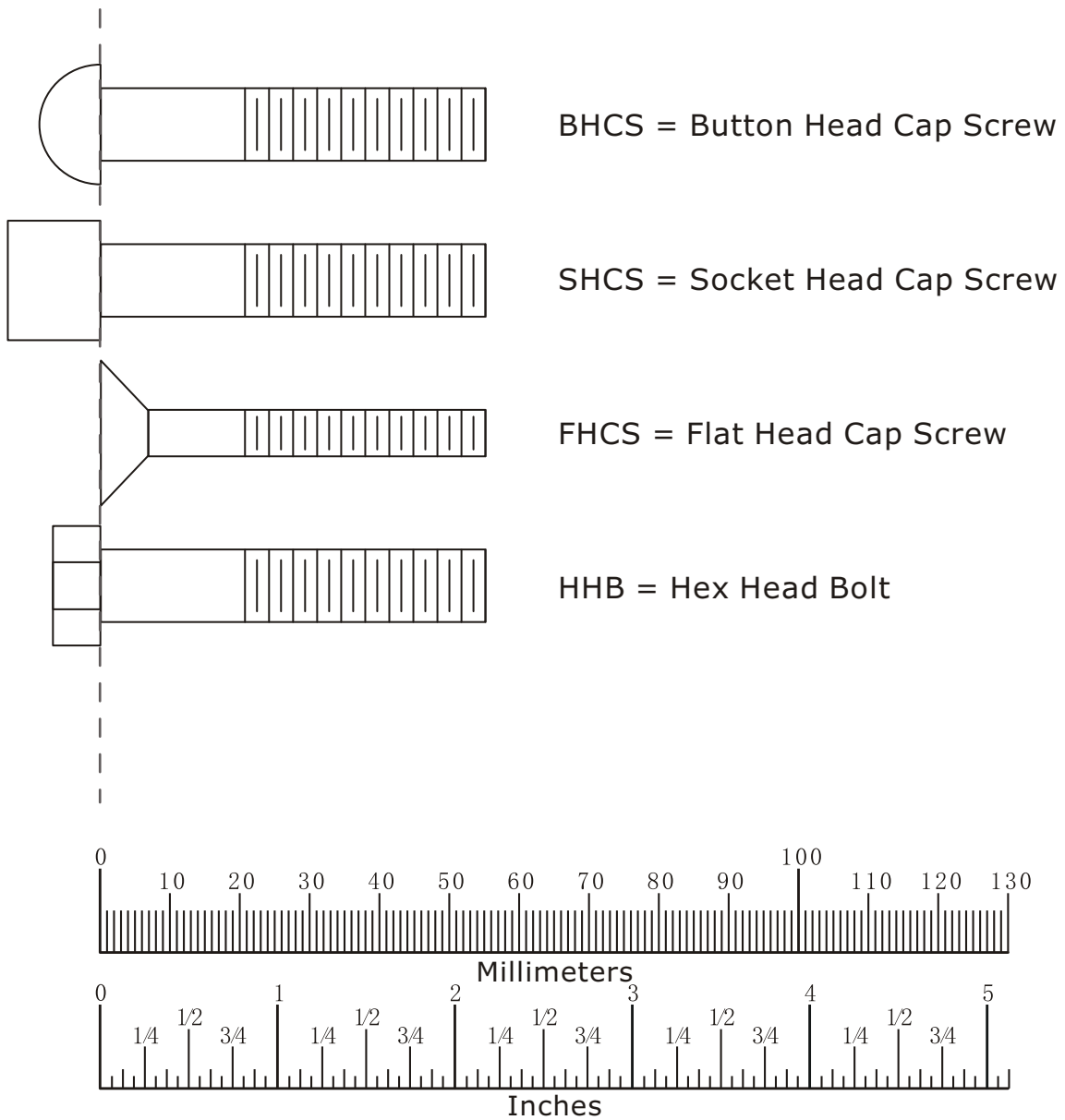
NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED.

Item No.	Description	Qty	Item No.	Description	Qty
1	Upright Frame ASSY	2	26	Rubber Pad	4
2	Connecting Frame ASSY	1	27	Counterweight Collar	2
3	Muscle Frame ASSY	1	28	Rubber cushion	2
4	Muscle Limit Frame ASSY	1	29	Handle Foam	2
5	Rotation Frame ASSY	1	30	Joint Bearing	1
6	Seat Frame ASSY	1	31	Joint Bearing	1
7	FOAM Tube ASSY	1	32	Bearing	4
8	Bushing	2	33	Bolt M6*15	2
9	Transfer Bar ASSY	1	34	Bolt M8*20	4
10	Fixing plate	2	35	Bolt M8*25	2
11	Bigger Washer $\Phi 42.6 \times \Phi 25.2 \times 3$	1	36	Bolt M10*25	2
12	Washer $\Phi 37 \times \Phi 17 \times 3$	1	37	Bolt M10*55	2
13	Sleeve	2	38	Bolt M10*60	4
14	$\Phi 32$ Handle Ring	2	39	Bolt M10*65	5
15	$\Phi 32$ End Cap	2	40	Bolt M16*65	2
16	Pipe Plug $\Phi 32 \times 2.5$	2	41	Bolt M16*75	8
17	Pipe Plug $\Phi 32 \times 3$	2	42	Bolt M6*6	2
18	Pipe Plug $\Phi 48 \times 2$	2	43	Bolt M8*6	1
19	Pipe Plug $\Phi 50 \times 2.5$	2	44	Flat Washer $\Phi 11 \times \Phi 20 \times 2$	21
20	Pipe Plug PT40*80*2	1	45	Flat Washer $\Phi 17 \times \Phi 30 \times 3$	16
21	Pipe Plug PT40*80*2.5	5	46	Nut M10	8
22	Back Pad	1	47	Nut M16	3
23	Seat Pad	1	48	Lock Nut M16	11
24	Bushing $\Phi 17 \times 3 \times 50$	2	49	Clip Spring Combination ASSY	2
25	Cushion Collar	2			

Exploded View



Measurement Guide



Diameter of bolt (mm/inch)	M6(1/4")	M8(5/16")	M10(3/8")	M12(1/2")	M16(5/8")
Tightening torque (N.m)	9~12	22~30	45~59	78~104	193~257
Operational methods for adult men	The strength of the wrist	The strength of the wrist and forearm	The strength of the entire arm	The strength of the arm and upper body	with all strength

Assembly Instructions

Assembly of the equipment takes professional installers about 2 hours. If this is the first time you have assembled this type of equipment, plan to spend more time. It is strongly recommended to assemble the equipment by professional installers. You may find it quicker, safer, easier to assemble this equipment with the help of a friend, as some of components may be large, heavy or awkward to handle alone. It is important that you assemble your product in a clean, clear, uncluttered area. This will enable you to move around the product while you are fitting components and reduce the possibility of injury during assembly.

NOTE

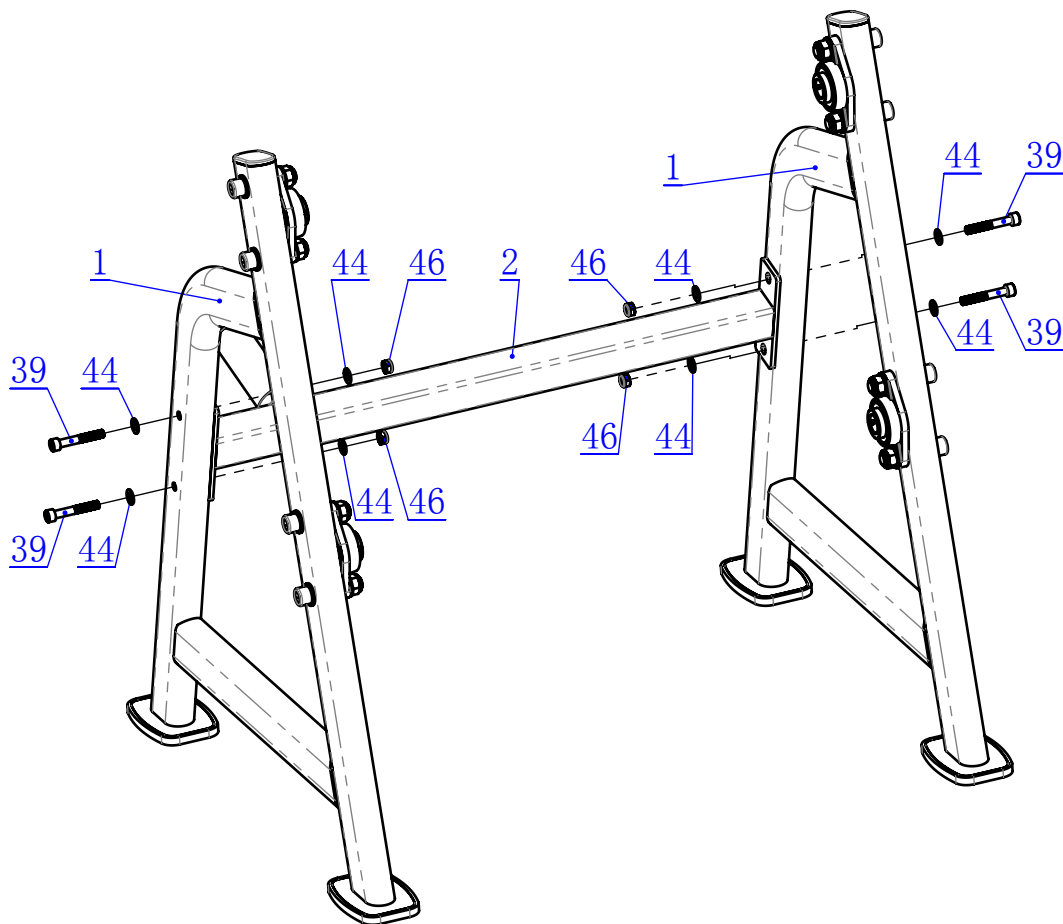
As with any assembled part, proper alignment and adjustment is critical. While tightening the fasteners, be sure to leave room for adjustments. Do not fully tighten the fasteners until instructed to do so. Be careful to assemble the components in the sequence presented in this guide.

Assembly

Step 1

1. Attach the Connecting ASSY (#2) to the Upright Frame ASSY (#1) using:
 - four M10*65 SHCS (#39)
 - eight $\Phi 11*\Phi 20*2$ Flat Washer (#44)
 - four M10 Lock Nut (#46)

Note: To not tighten the screws.

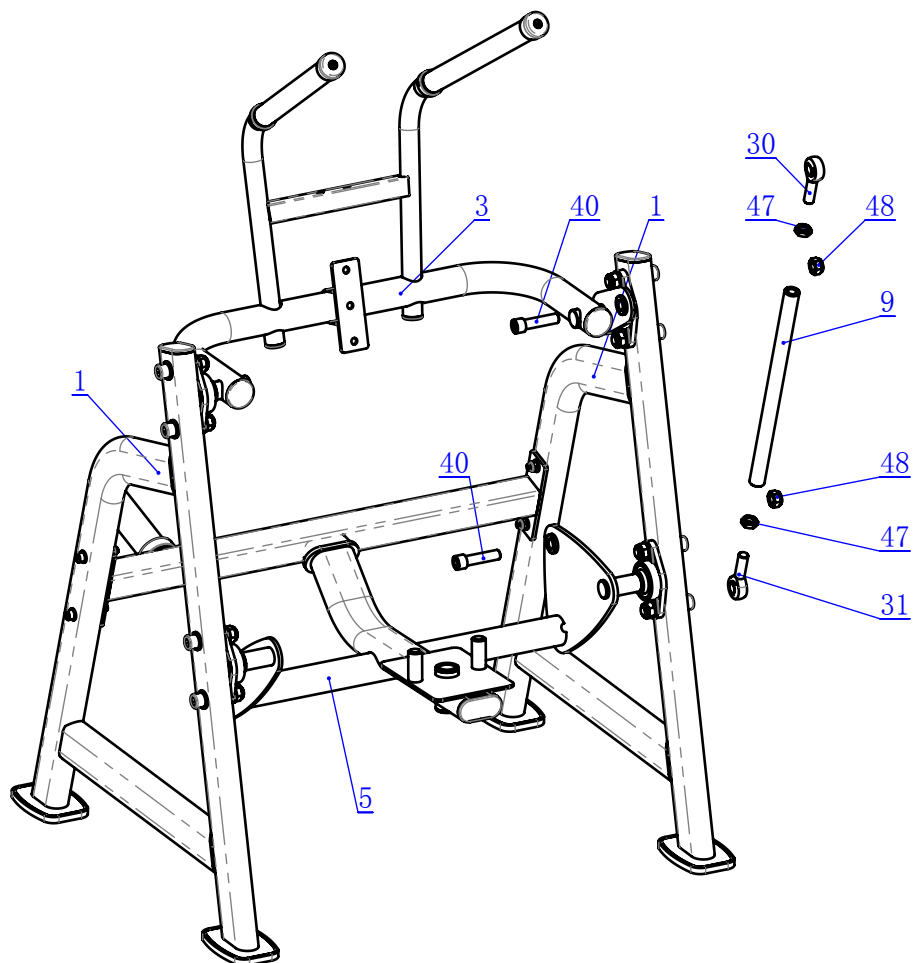


Assembly

Step 2

1. Attach the Muscle Frame ASSY(#3) and the Rotation Frame ASSY (#5) to the Upright Frame ASSY (#1).
2. Attach the Joint Bearing (#30) to the Transfer Bar ASSY(#9) using:
two M16 Nut (#47)
3. Attach the Transfer Bar ASSY(# 9) to the Rotation Frame ASSY(#3) and the Rotation Frame ASSY (#5) using:
two M16*65 SHCS(#40)
two M16 Nut (#48)

Note: Tighten the screws.

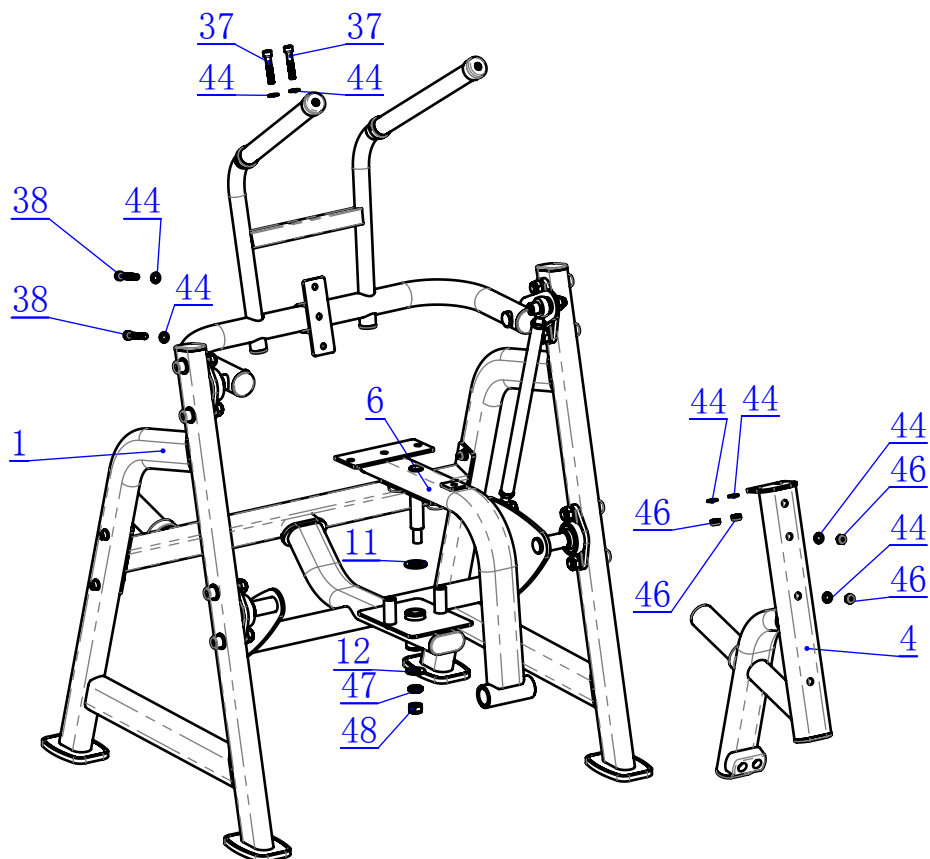


Assembly

Step 3

1. Attach the Muscle Limit Frame ASSY (#4) to the Muscle Frame ASSY (#3) using:
 - two M10*55 SHCS (#37)
 - two M10*60 SHCS (#38)
 - eight $\Phi 11*\Phi 20*2$ Flat Washer (#44)
 - four M10 Nut (#46)
2. Attach the Seat Frame ASSY(#6) to the Rotation Frame ASSY(#5) using:
 - one $\Phi 42.6*\Phi 25.2*3$ Bigger Washer (#11)
 - one $\Phi 37*\Phi 17*3$ Washer (#12)
 - one M16 Nut (#47)
 - one M16 lock Nut (#48)

Note: Tighten the screws.

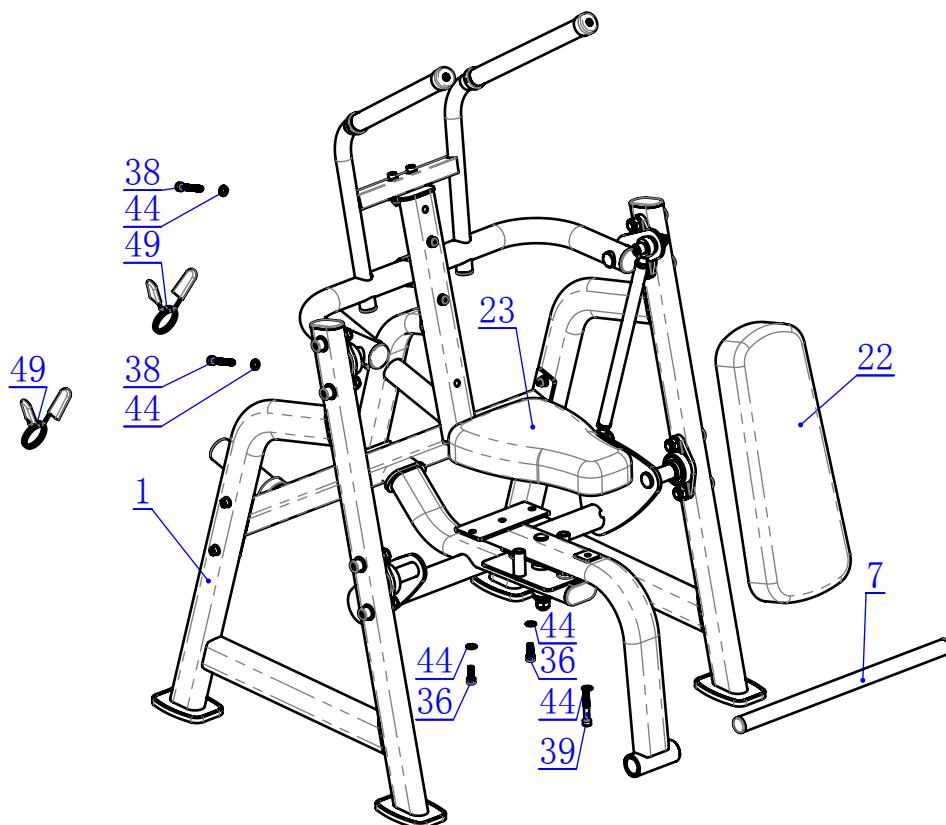


Assembly

Step 4

1. Attach the Back Pad (#22) to the Muscle Limit Frame ASSY (#4) using:
two M10*60 SHCS (#38)
two $\Phi 11*\Phi 20*2$ Flat Washer (#44)
2. Attach the Seat Pad (#23) to the Seat Frame ASSY (#6) using:
two M10*25 SHCS (#36)
one M10*65 SHCS (#39)
three $\Phi 11*\Phi 20*2$ Flat Washer (#44)
3. Attach the FOAM Tube ASSY (#7) to the Seat Frame ASSY (#6) .
4. Attache the Clip Spring Combination ASSY (#49) to the Connecting Frame ASSY (#2) and the Muscle Limit Frame ASSY (#4)

Note: Tighten all screws.



Maintenance Schedule

ROUTINE	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.

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:

- * We use 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 bolt 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

Use this manual to guide you through the basic exercises you can perform on your equipment. 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 equipment, 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.



Manufacturer's Limited Warranty

The manufacturer warrants that your Ab Coaster® is free of defects in materials and workmanship and will, at its option, repair or replace any defective Ab Coaster® that is returned to it. Except as described in the following sentence, all parts and components of the Ab Coaster are warranted for three (3) years from the original date of purchase. The roller bearings are warranted for one (1) year from the date of original purchase and all pads are warranted for ninety (90) days from the date of original purchase.

This warranty is valid only in accordance with the conditions set forth below:

1. Normal wear and tear are not covered by this warranty.
2. The warranty extends only to the original consumer purchaser and is not transferable. In addition, proof of purchase must be demonstrated. This warranty is void if the product has been subject to accident, misuse, abuse, improper maintenance or repair, or unauthorized modification.
3. This limited warranty is the only written or express warranty given by the manufacturer. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
4. Repair or replacement of the product (or, if repair or replacement is not feasible, a refund of the purchase price) is the exclusive remedy of the consumer under this warranty. The manufacturer shall not be liable for any incidental or consequential damages for breach of this warranty or any implied warranty on this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
5. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Procedure for Warranty Repairs or Replacement:

If warranty service is necessary the original purchaser must call 866-219-5335 x 0 for instruction.

Proof of purchase will be required for service.

The Abs Company, P.O.Box 9 Chester,NJ 07930

www.TheAbsCompany.com



Thank you for purchasing the Vertical CRUNCH
Our customer service staff is ready to help
and to answer any questions.
Our phone number is: 866 219 5335 x 0

Please call us if you have any questions.
Customer service staff can be reached
Monday to Friday from 9:00 AM to 5:00 PM Eastern Standard Time.

You can also send us an email, or visit our website
for additional customer service information.

Prior to calling or emailing,
please have the following information with you:

- Customer Name and Address
- Telephone Number
- Proof of Purchase
- Product Model Number



We Change Lives from the Core

The Abs Company, P.O.Box 9 Chester,NJ 07930
1-866-219-5335 | www.TheAbsCompany.com

© 2018 The Abs Company. All Rights Reserved.

V5-061618

No patent info on this one.