**Revision 3** 

January 2006



# S-5 Seated Leg Curl

# Owner's Manual



**Record Serial Number Here** 

Date of Purchase	

Batca Fitness Systems
Tel. (919) 255-1233
www.batcafitness.com

### **Instructions**

Congratulations on the purchase of your new Batca S-5, Seated Leg Curl. This gym will provide you with a lifetime of enjoyment to meet your strength training needs. Batca Fitness Systems strives to build the best quality gyms and to package these gyms in such a way to avoid any damage during shipping.

In order to get started with your assembly you should first familiarize yourself with this manual. It is recommended that you read through each step thoroughly before you begin. Begin by opening your boxes and separating all of your parts. Verify that all parts are accounted for and have no damage. When all parts are accounted for, you may begin your assembly. Some items may have been pre-assembled for your convenience. Please note that hardware quantities shown reflect total quantities for your gym and may not reflect actual quantities in each bag. Assemble your gym on a solid level surface. This will ensure the best possible performance, function, and safety for the gym and your workout.

Assemble your gym according to the step by step instructions found in this manual. Failure to do so will void your warranty and may result in personal injury. After assembly, you should check each station to ensure correct operation. If a problem arises, recheck your assembly with these instructions to verify correct assembly. If you are unable to correct a problem or have questions with your assembly please contact your authorized Batca dealer.

### Warning

Batca Fitness Systems has built this gym to give you a safe, effective and enjoyable workout. However, there is a risk assumed by individuals who use this type of equipment. It is very important that all warnings and instructions are read and followed before beginning any exercise program.

It is also very important to read and follow the preventative maintenance schedule described in this manual. If any of the warning labels or stickers are worn, faded, torn, scratched or missing they should be replaced immediately.

<u>WARNING</u>: There is a risk assumed by individuals who use this type of equipment. To minimize risk always follow these rules.

- 1) It is essential that you consult with your physician before beginning any exercise program.
- 2) Inspect equipment before each use for loose, worn, or frayed parts (including cables, nuts and bolts). Replace parts at first signs of wear (use only genuine BATCA replacement parts). Use of equipment that is damaged, worn, frayed or not completely assembled on a solid, level surface may result in injury.
- Make sure all adjustment pins are fully engaged before using equipment.
- 4) Keep all parts of the body and clothing outside the path of any moving parts of the gym. Be alert to the possibility of injury. Do not be careless.
- 5) Minors and children should not be allowed to play on or around this gym.
- 6) If you have any questions on proper use or maintenance of this gym, do not hesitate to call your local BATCA FITNESS SYSTEMS distributor or BATCA FITNESS SYSTEMS at (919) 255-1233. www.batcafitness.com

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Seated Leg Curl 2 S-5 Owner's Manual

## **Frame Components**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BFM-10356	Base Connector	1
2	BFM-10365	Leg Curl Pillow Support	1
3	BFM-50615	Guide Rod Plate	1
4	BFM-10368	Short Cage	1
5	BFM-10412	Pulley Holder	1
6	BFM-50531	Shroud	1
8	BFM-10363	Leg Curl Frame	1
9	BFM-10109	Chrome Pad Adjustment	1
10	BFM-10116	Right Handle	1
11	BFM-10115	Left Handle	1
12	BFM-10135	High Pivot Roller	1
13	BFM-10136	Knee Hold Down Elbow	1
14	BFM-50267	Counter Weight	1
15	BFM-10139	Leg Ext/Curl Pivot Arm	1
16	BFM-10151	Low Pivot Roller	1
18	BFM-50150	Anti-Deflection Plate	1
29	BFM-50527	Guide Rod	2
30	BFM-10430	Weight Plate	19
31	BFM-10413	3/4" 10lb Top Plate	1
32	BFM-10367	Elbow Support	1
35	BFM-50661	Anti-Deflection Plate	1
36	BFM-10421	Leg Curl Cam	1
38	BFM-50126	Anti-Deflection Plate	2
39	BFM-50653	Anti-Deflection Plate	1
64	BFM-50635	Selector Shaft	1

### **Cables**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
59	CAB-12006	Leg Curl Cam to Weight Stack Cable	1

## **Tools Required**

- 9/16" Wrench
- 3/4" Wrench
- 9/16" Ratchet
- Allen Wrench Set
- Tape Measure

### **Accessories**

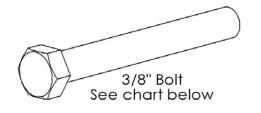
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
58	BFC-50127	Magnetic Weight Stack Pin	1

### **Upholstery**

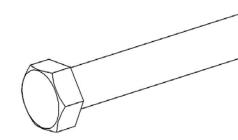
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
22	BFU-10122	Large Upholstery Roller	2
33	BFU-10138	Leg Ext/Curl Bottom Pad	1
34	BFU-10120	Back Pad With Lumbar	1

### **Hardware**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
7	BFH-50255	Rubber Foot	5
17	BFH-50172	Pillow Block Bearing	2
19	BFH-50197	Small Logo	1
20	BFH-50202	3/4" Pulley Spacer	2
21	BFH-50201	1/2" Pulley Spacer	2
23	BFH-50174	4 1/2" Pulley	4
24	BFH-50530	5" Pulley	1
25	BFH-50221	3" Plastic Washer	2
26	BFH-50252	Plastic Collar	2
27	BFH-50220	Threaded Collar	3
28	BFM-50529	Rubber Donut	2
37	BFH-50146	3/8" Flat Washer (Black)	55
40	BFH-50199	Rubber Grommit	2
41	BFM-50345	Pulley Cover	2
42	BFH-50157	3/8"-16 Nylock (Black)	26
43	BFH-50126	HCS 3/8"-16 X 3 1/4" P5	8
44	BFH-50127	HCS 3/8"-16 X 3 1/2" P5	2
45	BFH-50122	HCS 3/8"-16 X 2 1/4" P5	2
46	BFH-50120	HCS 3/8"-16 1 1/2" P5	4
47	BFH-50119	HCS 3/8"-16 X 1 1/4" P5	4
48	BFH-50276	HCS 3/8"-16 X 5 3/4" P5	1
49	BFH-50147	3/8" Lock Washer (Black)	11
50	BFH-50125	HCS 3/8"-16 X 3" P5	5
51	BFH-50118	HCS 3/8"-16 X 1" P5	2
52	BFH-50130	HCS 3/8"-16 X 4 1/4" P5	4
53	BFH-50124	HCS 3/8"-16 X 2 3/4" P5	1
54	BFH-50254	HCS 3/8-16 X 3/4 P5	4
56	BFH-50267	5/16"-18 Nylock (Black)	1
57	BFH-50250	1 1/4" Shoulder Bolt	1
65	BFH-50227	Cable Strap	1
66	BFH-50151	5/16" Flat Washer (Zinc)	4



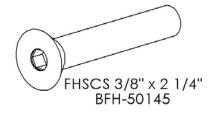
Part#	Size
BFH-50254	3/8" x 3/4"
BFH-50118	3/8" x 1"
BFH-50119	3/8" x 1 1/4"
BFH-50120	3/8" x 1 1/2"
BFH-50285	3/8" x 1 3/4"
BFH-50121	3/8" x 2"
BFH-50122	3/8" x 2 1/4"
BFH-50123	3/8" x 2 1/2"
BFH-50124	3/8" x 2 3/4"
BFH-50125	3/8" x 3"
BFH-50126	3/8" x 3 1/4"
BFH-50127	3/8" x 3 /12"
BFH-50128	3/8" x 3 3/4"
BFH-50129	3/8" x 4"
BFH-50130	3/8" x 4 1/4"
BFH-50131	3/8" x 4 1/2"
BFH-50274	3/8" x 4 3/4"
BFH-50279	3/8" x 5"
BFH-50270	3/8" x 5 1/4"
BFH-50132	3/8" x 5 1/2"
BFH-50133	3/8" x 6 1/2"
BFH-50298	3/8" x 8 3/4"
BFH-50134	3/8" x 9"



1/2" Bolt See chart below.

Part#	Size
BFH-50135	1/2" x 2 3/4"
BFH-50136	1/2" x 3"
BFH-50137	1/2" x 3 1/4"
	1/2" x 3 1/2"
BFH-50139	1/2" x 4 1/4"
BFH-50140	1/2" x 4 1/2"
BFH-50141	1/2" x 5 1/2"

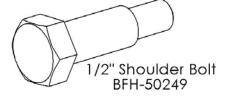








BFH-50250





1/2" Nylock BFH-50155



3/8" Nylock BFH-50157



3/8" Thin Nylock BFH-50247



5/16" Nylock BFH-50267



1/2" Jam Nut BFH-50256



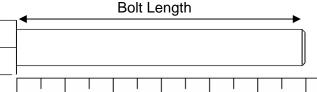
3/8" Jam Nut BFH-50149



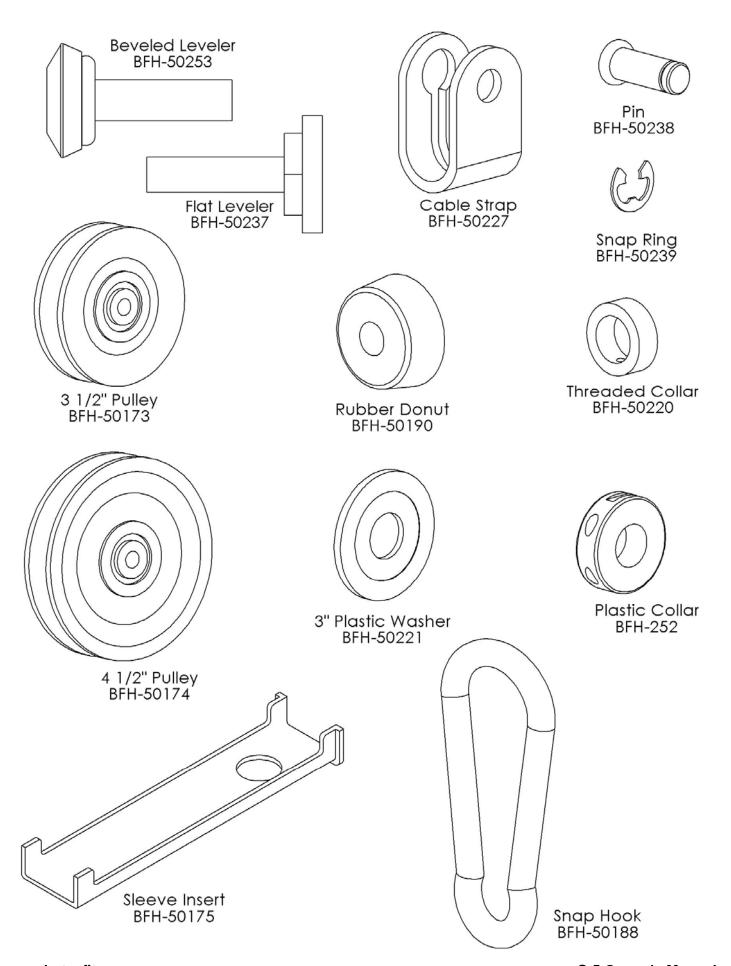
1/2" Pulley Spacer BFH-50201

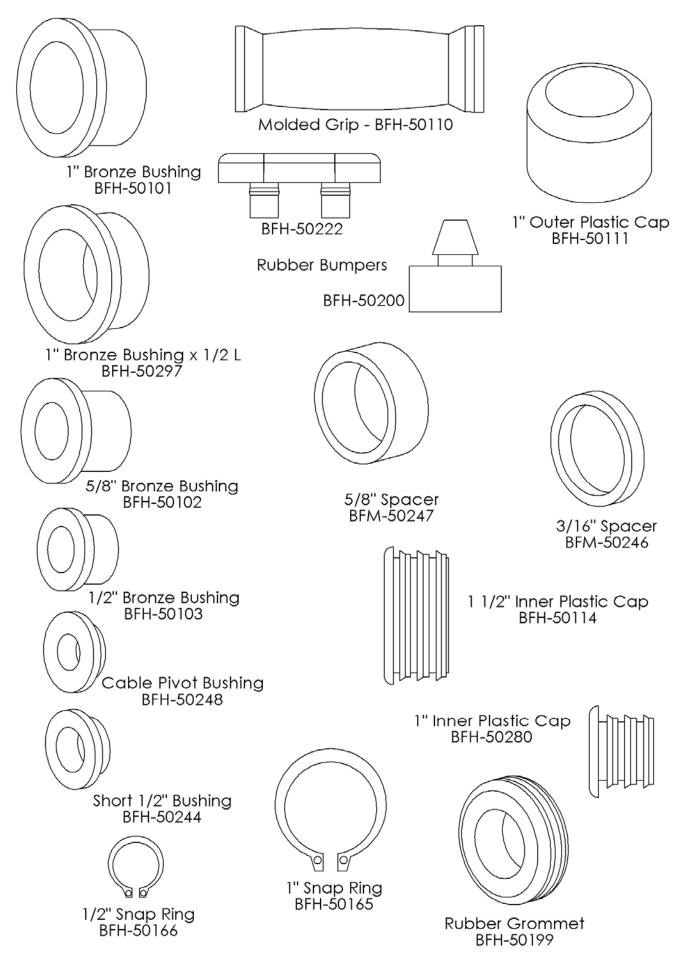


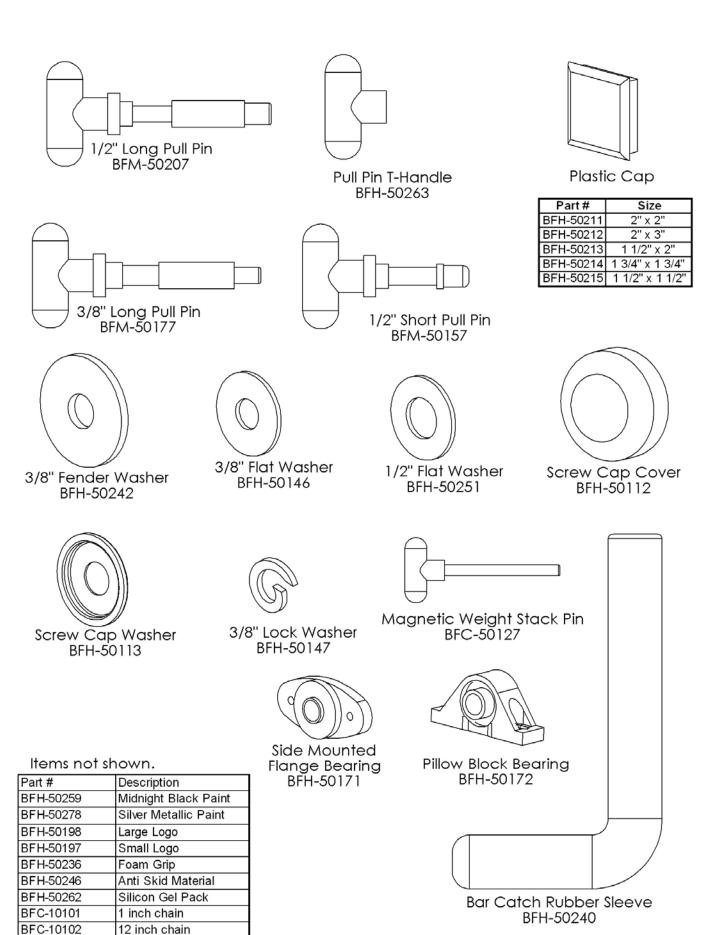
3/4" Pulley Spacer BFH-50202



Note: Bolt length is measured from the underside of the head of the bolt.







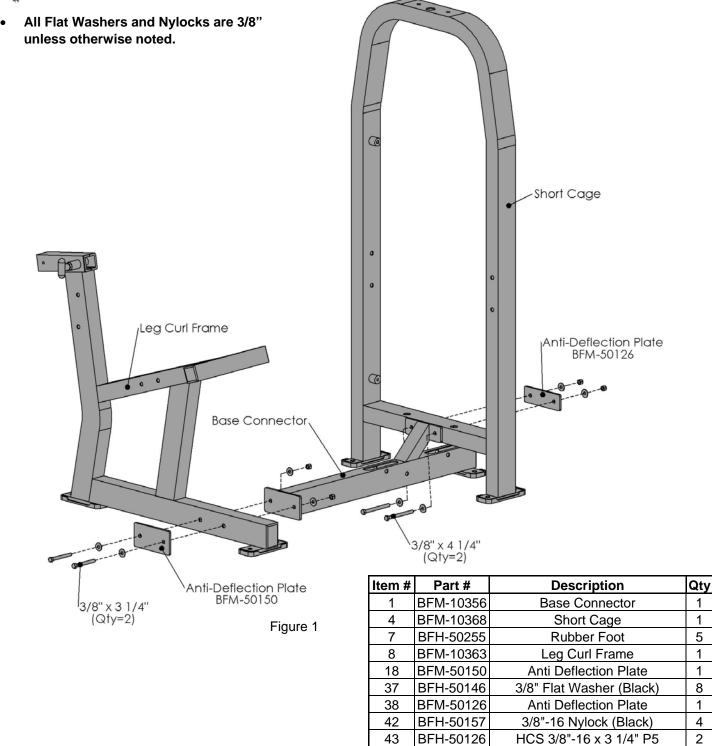


# PLEASE FOLLOW ALL DIRECTIONS VERY CAREFULLY FOR PROPER INSTALLATION.

#### Step 1:



Note: For a more consistent appearance, position all bolts in the direction shown in each figure.

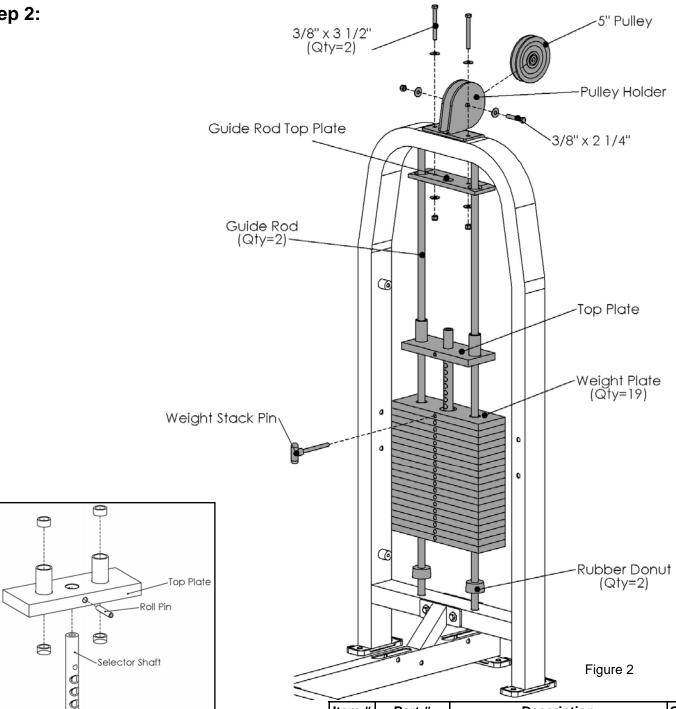


52

BFH-50130

HCS 3/8"-16 x 4 1/4" P5

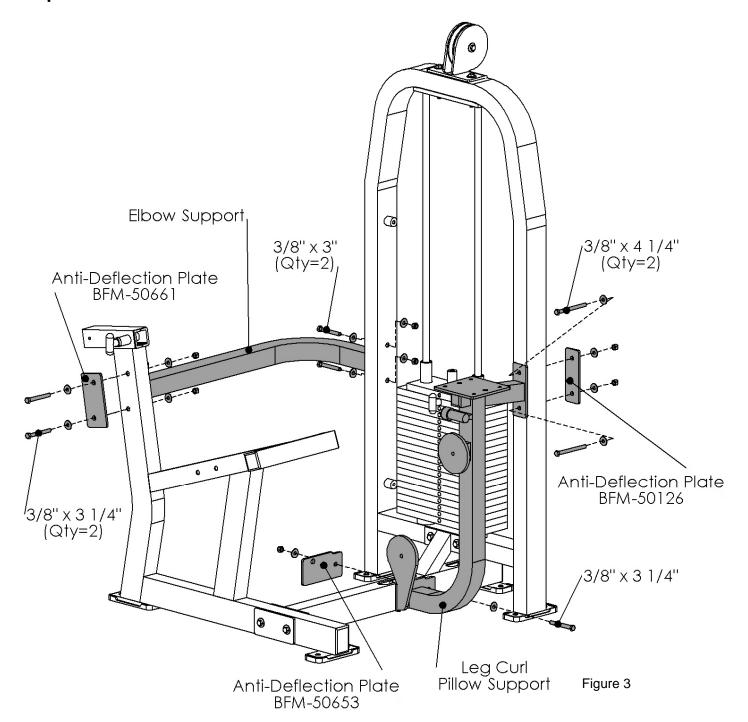




Top Roll Pin	Plate
Selector Shaft	
Figure 2A	
Figure 2A	

Item #	Part #	Description	Qty
3	BFM-50615	Guide Rod Plate	1
5	BFM-10412	Pulley Holder	1
24	BFH-50530	5" Pulley	1
28	BFM-50529	Rubber Donut	2
29	BFM-50527	Guide Rod	2
30	BFM-10430	Weight Plate	19
31	BFM-10413	3/4" 10lb Top Plate	1
37	BFH-50146	3/8" Flat Washer (Black)	6
42	BFH-50157	3/8"-16 Nylock (Black)	3
44	BFH-50127	HCS 3/8"-16 x 3 1/2" P5	2
45	BFH-50122	HCS 3/8"-16 x 2 1/4" P5	1
58	BFC-50127	Magnetic Weight Stack Pin	1
64	BFM-50635	Selector Shaft	1

### Step 3:

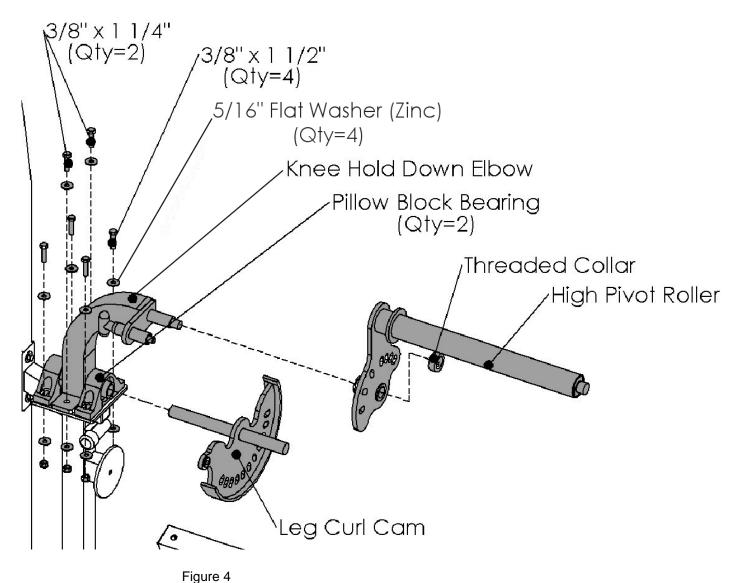


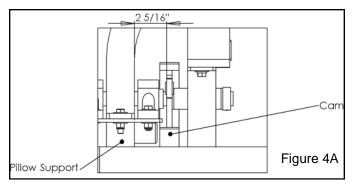
Item #	Part #	Description	Qty
2	BFM-10365	Leg Curl Pillow Support	1
32	BFM-10367	Elbow Support	1
35	BFM-50661	Anti-Deflection Plate	1
37	BFH-50146	3/8" Flat Washer (Black)	14
38	BFM-50126	Anti-Deflection Plate	1
39	BFM-50653	Anti-Deflection Plate	1
42	BFH-50157	3/8"-16 Nylock (Black)	7
43	BFH-50126	HCS 3/8"-16 x 3 1/4" P5	3
50	BFH-50125	HCS 3/8"-16 x 3" P5	2
52	BFH-50130	HCS 3/8"-16 x 4 1/4" P5	2

### Step 4:



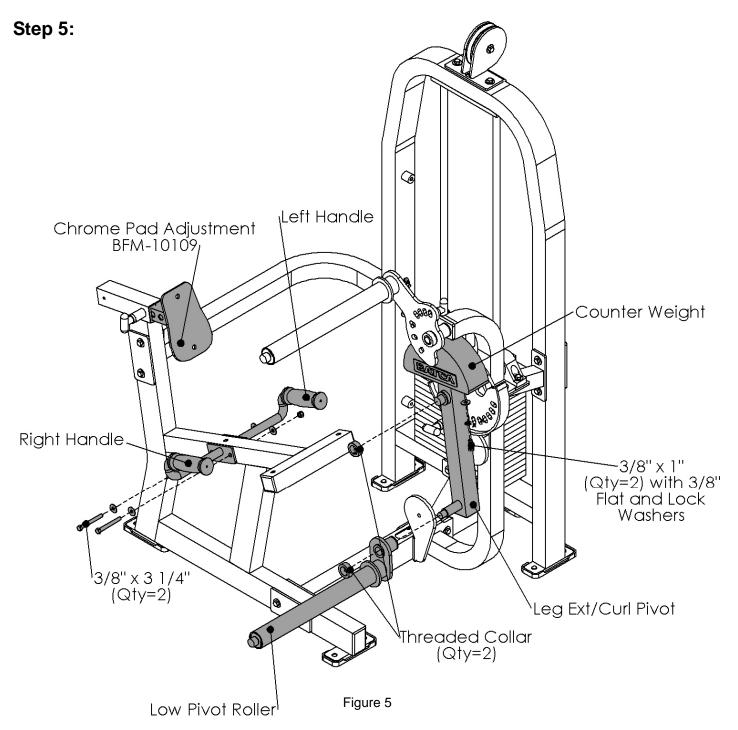
Note It is very important that the inside face of the Leg Curl Cam [the side facing away from you in Fig 4] is 2 5/16" from the face of the Pillow Support as seen in Figure 4A.





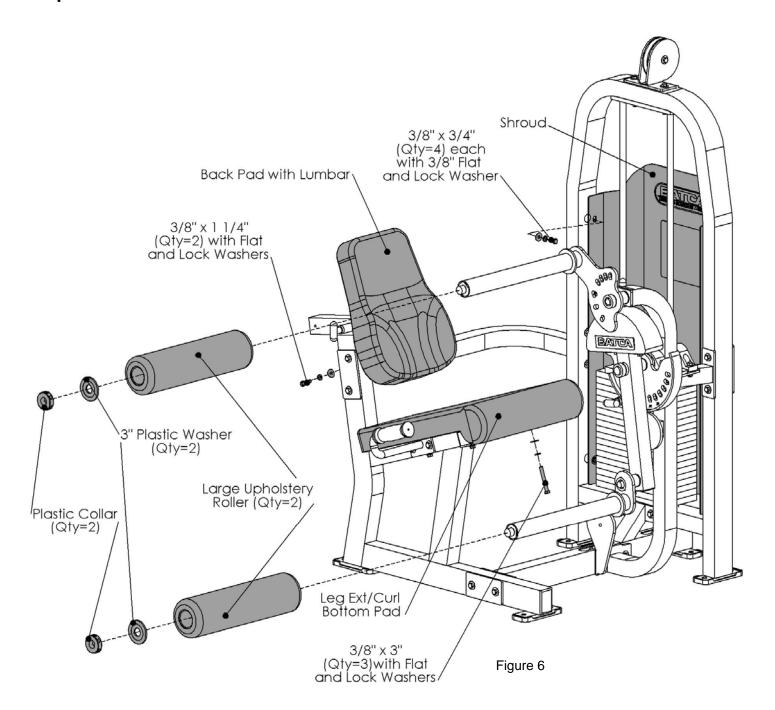
All Flat Washers and Nylocks are 3/8" unless otherwise

Item #	Part #	Description	Qty
12	BFM-10135	High Pivot Roller	1
13	BFM-10136	Knee Holddown Elbow	1
17	BFH-50172	Pillow Block Bearings	2
27	BFH-50220	Threaded Collar	1
36	BFM-10421	Leg Curl Cam	1
37	BFH-50146	3/8" Flat Washer (Black)	8
42	BFH-50157	3/8"-16 Nylock (Black)	6
46	BFH-50120	HCS 3/8"-16 x 1 1/2" P5	4
47	BFH-50119	HCS 3/8"-16 x 1 1/4" P5	2
66	BFH-50151	5/16" Flat Washer (Zinc)	4



Item #	Part #	Description	Qty
9	BFM-10109	Chrome Pad Adjustment	1
10	BFM-10116	Right Handle	1
11	BFM-10115	Left Handle	1
14	BFM-50267	Counter Weight	1
15	BFM-10139	Leg Ext/Curl Pivot Arm	1
16	BFM-10151	Low Pivot Roller	1
27	BFH-50220	Threaded Collar	2
37	BFH-50146	3/8" Flat Washer (Black)	6
42	BFH-50157	3/8"-16 Nylock (Black)	2
43	BFH-50126	HCS 3/8"-16 x 3 1/4" P5	2
49	BFH-50147	3/8" Lock Washer (Black)	2
51	BFH-50118	HCS 3/8"-16 x 1" P5	2

### Step 6:



Item #	Part #	Description	Qty
6	BFM-50531	Shroud	1
22	BFU-10122	Large Upholstery Roller	2
25	BFH-50221	3" Plastic Washer	2
26	BFH-50252	Plastic Collar	2
33	BFU-10138	Leg Ext/Curl Bottom Pad	1
34	BFU-10120	Back Pad with Lumbar	1
37	BFH-50146	3/8" Flat Washer (Black)	9
47	BFH-50119	HCS 3/8"-16 x 1 1/4" P5	2
49	BFH-50147	3/8" Lock Washer (Black)	9
50	BFH-50125	HCS 3/8"-16 x 3" P5	3
54	BFH-50254	HCS 3/8"-16 x 3/4" P5	4

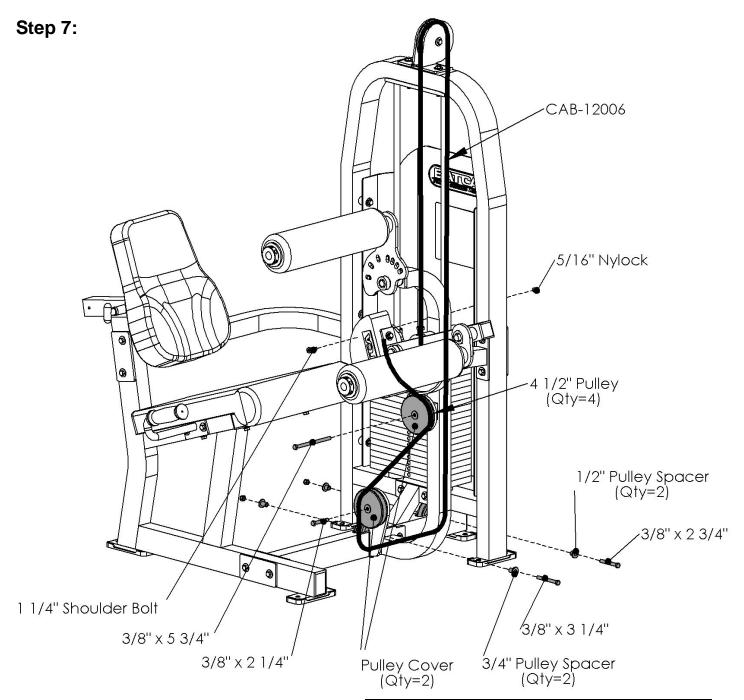
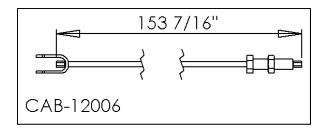


Figure 7

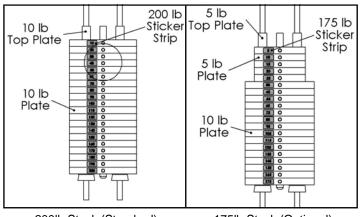


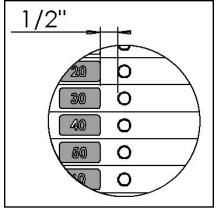
All Flat Washers	and Nylock	s are 3/8"	unless	otherwise	noted.

Item #	Part #	Description	Qty
20	BFH-50202	3/4" Pulley Spacer	2
21	BFH-50201	1/2" Pulley Spacer	2
23	BFH-50174	4 1/2" Pulley	4
37	BFH-50146	3/8" Flat Washer (Black)	4
41	BFM-50345	Pulley Cover	2
42	BFH-50157	3/8"-16 Nylock (Black)	4
43	BFH-50126	HCS 3/8"-16 x 3 1/4" P5	1
45	BFH-50122	HCS 3/8"-16 x 2 1/4" P5	1
48	BFH-50276	HCS 3/8"-16 x 5 3/4" P5	1
53	BFH-50124	HCS 3/8"-16 x 2 3/4" P5	1
56	BFH-50267	5/16" Nylock (Black)	1
57	BFH-50250	1 1/4" Shoulder Bolt	1
59	CAB-12006	Leg Curl to Free Floater Cable	1
65	BFH-50227	Cable Strap	1

### Final Assembly and Troubleshooting

#### **Weight Stack Decals:**





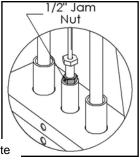
200lb Stack (Standard)

175lb Stack (Optional)

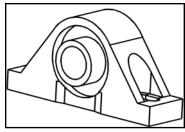
#### **IMPORTANT - Check These Components Before Using Gym:**

Each Cable with a threaded bolt on either end must be threaded at least 1/2" into its attachment, whether it be a Free Floater, Lockout Free Floater, or the Top Plate of the weight stack. Each must also be secured with a 1/2" Jam Nut to ensure a safe and proper connection.

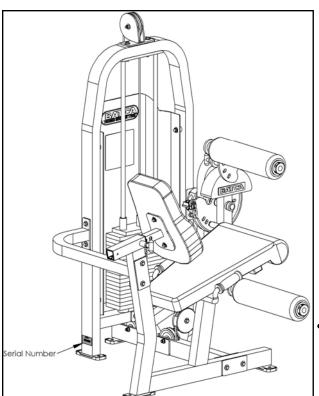
Top Plate



Wrench Tighten
 the two set
 screws on all
 Pillow Block
 Bearings with an
 Allen Wrench.

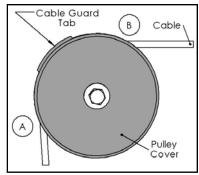


Pillow Block Bearing BFH-50172



Position the cable guard tab on the Pulley Cover so that the tab prevents the cable from coming out of it's track on the 4 1/2" Pulley. An example of this positioning can be seen in the figure to the right. The cable guard tab should be positioned so that it is in the middle of the cable wrap on the 4 1/2" Pulley, between points "A" and "B". This

will allow better protection and prevent the cable from rubbing the cable guard tab.



Pulley Cover BFM-50345

Record your serial number on the front of this manual and keep for your records. The serial number can be found on the side of the cage as seen in the figure to the left.

## **Cable Adjustments**

Adjust cable to proper tension from the location shown below.



Note: All cables with threaded adjustable ends must have at least 1/2" of the threads threaded in to its counterpart. It is very important that the 1/2" Jam Nut be wrench tightened to the counterpart to ensure that the threaded adjustable end of the cable does not back out of its counterpart.

Note: If the top plate raises off of the second plate in the weight stack, then the cable tension is too tight. You will need to take some of the tension out to lower the Top plate flush with the second plate.

### **Preventive Maintenance**

Batca Fitness Systems strives to give you the very best in quality, performance and safety through carefully engineered designs and excellent workmanship. In order to maintain this high level of quality the preventative maintenance schedule below should be followed.

Clean upholstery, grips, and roller pads with mild soap and water generally after every use. The guide rods, chrome slides and frame should be cleaned with a cotton cloth. Upon cleaning the guide rods, a thin layer of Silicone or Teflon gel should be applied to each rod to ensure a glass smooth performance.

An overall inspection should be done before each workout. If the warning and safety decals are worn or have been removed they should be replaced immediately. The cables and cable systems should be inspected for signs of wear and proper tension. In order to check cables properly you should carefully run the cable through your fingertips, checking for signs of wear, cracks, burs and thinning spots. Replace any part at first signs of wear. Cables should be adjusted for proper tension. See assembly instructions for this detail. All hardware, stops, and adjustments should be checked and tightened as required.

The guide rods on your machine should be cleaned and lubricated regularly. This will ensure a glass smooth performance from your weight stack. A thin layer of either Silicone or Teflon gel should applied to each rod. Each pillow block bearing and flange bearing has a grease fittings that must be lubricated regularly. Use general purpose bearing grease and follow the schedule below.

Although cables should be inspected daily, it is important that ALL cables be replaced as directed in the schedule below. Please note that at any first sign of wear the cable should be replaced immediately.

If there are any questions concerning maintenance, please contact your local Batca dealer or contact Batca Fitness Systems directly at:

Batca Fitness Systems (919) 255-1233 www.batcafitness.com

	Daily		Weekly		Monthly		Quarterly		Years	
	Commercial	Home								
Clean										
Upholstery	Х			X						
Hand Grips	Х			X						
Roller Pads	Х			X						
Guide Rods			Х			Х				
Chrome Slides			Х			Χ				
Frame			Х			Х				
Inspect										
Overall	Х	Х								
Safety Decals	X	Х								
Cables	Х	Χ								
Cable Tension			Х			X				
Pulleys	X	Χ								
Hardware	X	Х								
Stops	X	Χ								
Upholstery	X	Х								
Hand Grips			Х			Х				
Frame			Х			Х				
Bushings	X			X						
Bearings	Х			Х						
Lubricate										
Guide Rods			Х			Х				
Bearings							As Needed			1
Replace										
Cables									1	3

www.batcafitness.com 17 S-5 Owner's Manual

### **Limited Lifetime Warranty**

#### What is covered

#### For Residential Use:

Batca Fitness Systems warrants all of its products against defects in manufacturing, materials and workmanship under normal use and service for one year from date of purchase including paint, chrome, upholstery and grips. Batca Fitness Systems also warrants all cables, belts, bolts, nuts, caps, plugs, bumpers, washers, levelers, decals, gas springs and other hardware for three years after date of purchase; all moving parts, including pulleys, bushings, bearings and pull pins for five years after date of purchase and warrants the frame and all welded parts for the lifetime of the original purchaser.

#### For Commercial Use:

Batca Fitness Systems warrants all of its products against defects in manufacturing, materials and workmanship under normal use and service for six months from date of purchase including paint, chrome, upholstery and grips. Batca Fitness Systems also warrants all cables, belts, bolts, nuts, caps, plugs, bumpers, washers, levelers, decals, gas springs and other hardware for one year after date of purchase; all moving parts, including pulleys, bushings, bearings and pull pins for three years after date of purchase and warrants the frame and all welded parts for ten years after date of purchase.

#### What is not covered

This warranty does not cover damage, which results from shipping, misuse, abuse, neglect, carelessness, modification or alteration, accident, fire, flood, "acts of God" or other contingencies beyond the control of Batca Fitness Systems. This warranty also does not cover deterioration from wear and tear or exposure or any defect, which would not have happened if instructions in the owner's manual had been followed. Improper installation, improper assembly or follow-up maintenance along with installation of parts or accessories not originally intended for products of Batca Fitness Systems are also not covered by this warranty. Only genuine Batca parts should be used for replacement, repair, and maintenance for this warranty to apply.

Defective parts will be repaired or replaced at Batca Fitness Systems option, without parts charge to the purchaser. All returns require a return authorization prior to acceptance of repair work. Batca Fitness Systems reserves the right to make design changes without any prior notification and shall not be responsible for incidental or consequential damages.

The purchaser is responsible for shipping the defective part back to the factory. Repair or replacement is the exclusive and sole remedy of the purchaser. Labor charges associated with parts changeovers are not covered by this warranty. Proof of purchase, serial number, model number and date of purchase will be required along with all pertinent information of the alleged damage.

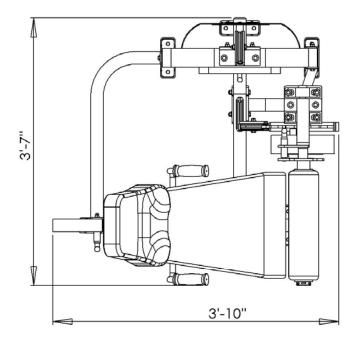
This warranty applies only to the original purchaser and is not transferable. Claims under this warranty must be made directly to Batca Fitness Systems.

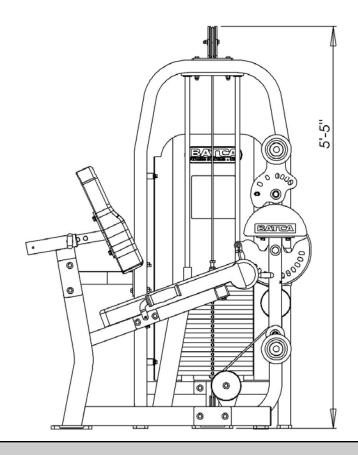
Batca Fitness Systems 1207 N. New Hope Road Raleigh, NC 27610 (919) 255-1233

www.batcafitness.com

Please keep this for your records.

Seated Leg Curl 18 S-5 Owner's Manual





## **Layout Diagram**

The S-5 has a layout dimension of 3'-7" (width) x 3'-10" (length) x 5'-5" (height). There should be a minimum of 18", preferably 24", of working space around the entire unit.