

FREEMOTION[®]

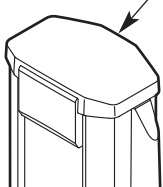
Biceps

Model No. F602.1

Serial No. _____

Write the serial number in the space above for reference.

Serial Number Decal
(inside tower)



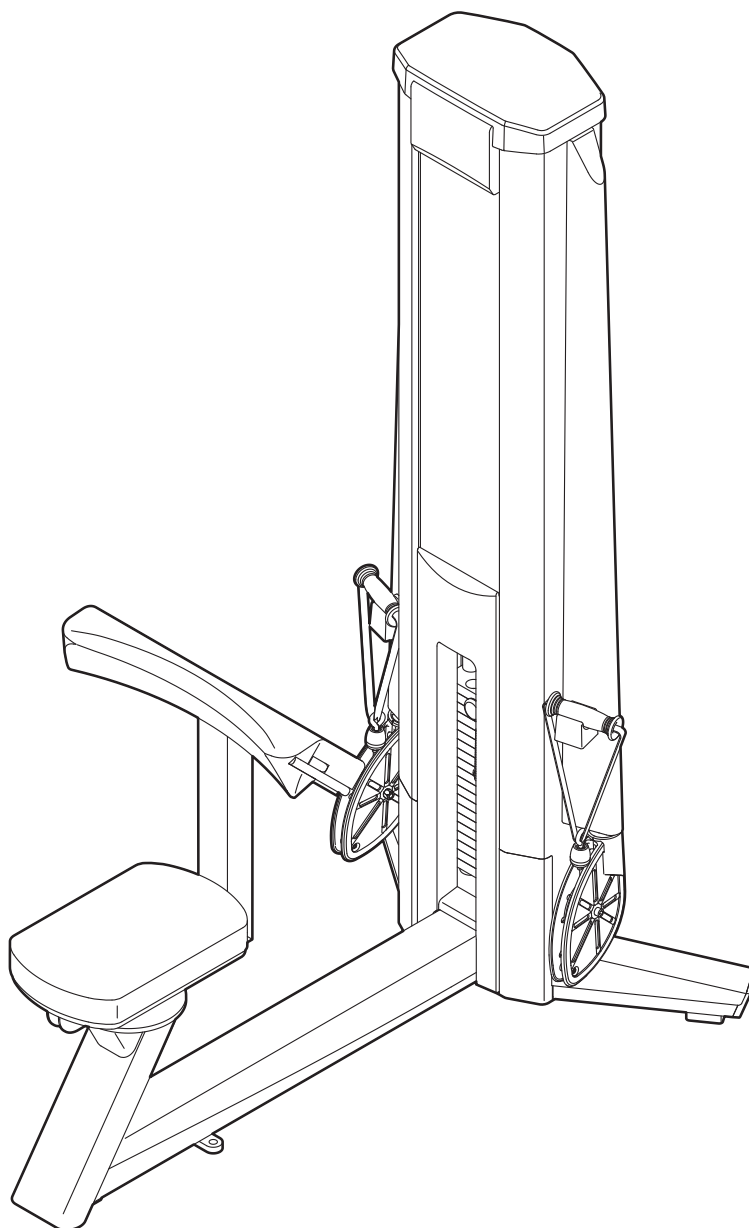
QUESTIONS?

If you have questions, or if parts are damaged or missing, please see **HOW TO CONTACT CUSTOMER CARE** on the back cover of this manual.

CAUTION

Read all precautions and instructions in this manual before using this equipment. Keep this manual for future reference.

OWNER'S MANUAL



www.freemotionfitness.com

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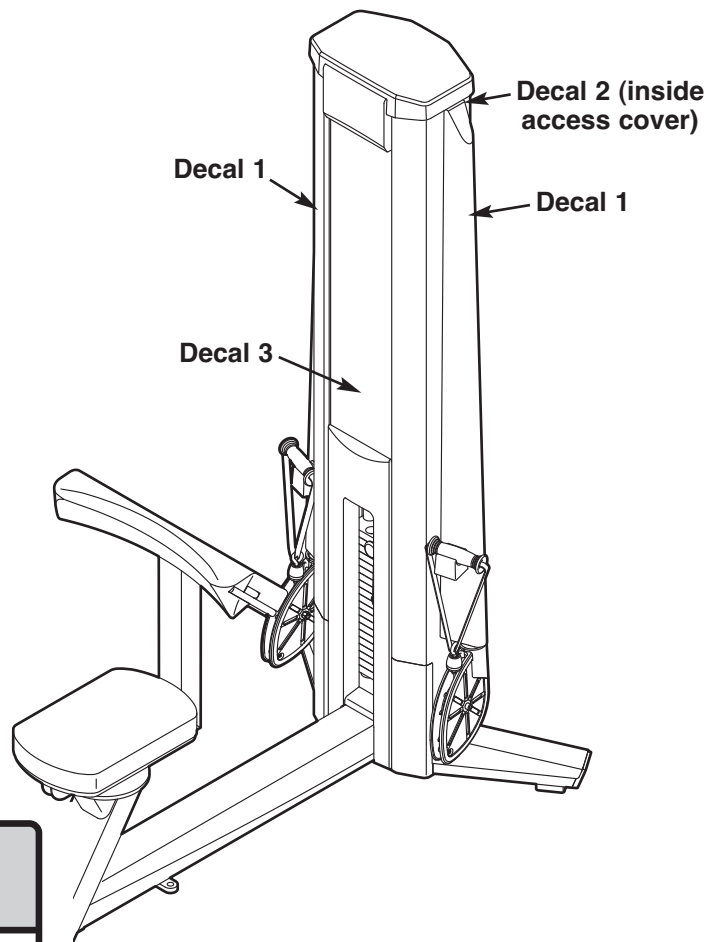
IMPORTANT PRECAUTIONS

⚠️ WARNING: To reduce the risk of serious injury, read all important precautions and instructions in this manual and all warnings on your strength equipment before using your strength equipment. FreeMotion Fitness assumes no responsibility for personal injury or property damage sustained by or through the use of this product.

1. Before beginning any exercise program, consult your physician. This is especially important for persons over age 35 or persons with pre-existing health problems.
2. Use the strength equipment only as described in this manual.
3. It is the purchaser's responsibility to ensure that there is enough space around the strength equipment for the intended exercise. Do not crowd the strength equipment.
4. Using the two 9/16" anchor holes in the base of the tower to provide maximum stability, the strength equipment must be anchored to the floor where required or whenever possible.
5. Use the strength equipment only on a level surface. Cover the floor beneath the strength equipment to protect the floor.
6. It is the responsibility of the owner to ensure that all users of the strength equipment are adequately informed of all precautions, have read and understood all warning and caution labels, and are informed of how to use the strength equipment properly.
7. Keep children under age 12 and pets away from the strength equipment at all times.
8. Keep hands and feet away from moving parts. Do not lean on or rest your hands on the strength equipment when it is in use.
9. Always wear athletic shoes for foot protection while exercising.
10. All users of the strength equipment should be instructed to report any injury or strength equipment irregularity to facility staff immediately.
11. Make sure the weight pin is completely inserted into one of the weight plates.
12. Make sure the handles are attached securely before each use of the strength equipment.
13. Check all cables, cable connections, and pulleys before each use of the strength equipment. Make sure all parts are properly tightened. Replace any worn parts immediately.
14. Make sure the cable remains on the pulleys at all times. If the cable binds while you are exercising, stop immediately and make sure the cable is on the pulleys and nothing is interfering with the cable or pulleys.
15. The strength equipment is designed to support a maximum user weight of 350 lbs. (159 kg).
16. Over exercising may result in serious injury or death. If you feel faint or if you experience pain while exercising, stop immediately and cool down.

WARNING DECAL PLACEMENT

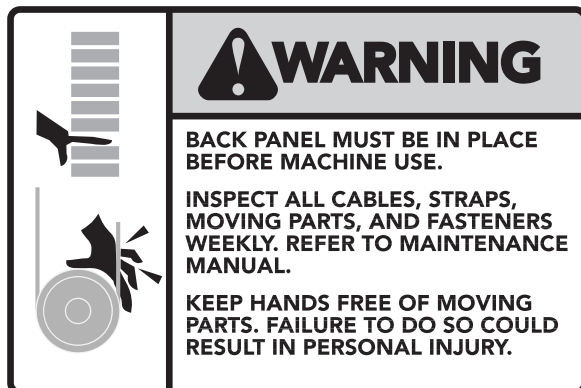
This drawing shows the location(s) of the warning decal(s). **If a decal is missing or illegible, see the back cover of this manual and request a free replacement decal. Apply the decal in the location shown.** Note: The decal(s) may not be shown at actual size.



Decal 1



Decal 2



Decal 3 (This decal is part of the instruction placard)



BEFORE YOU BEGIN

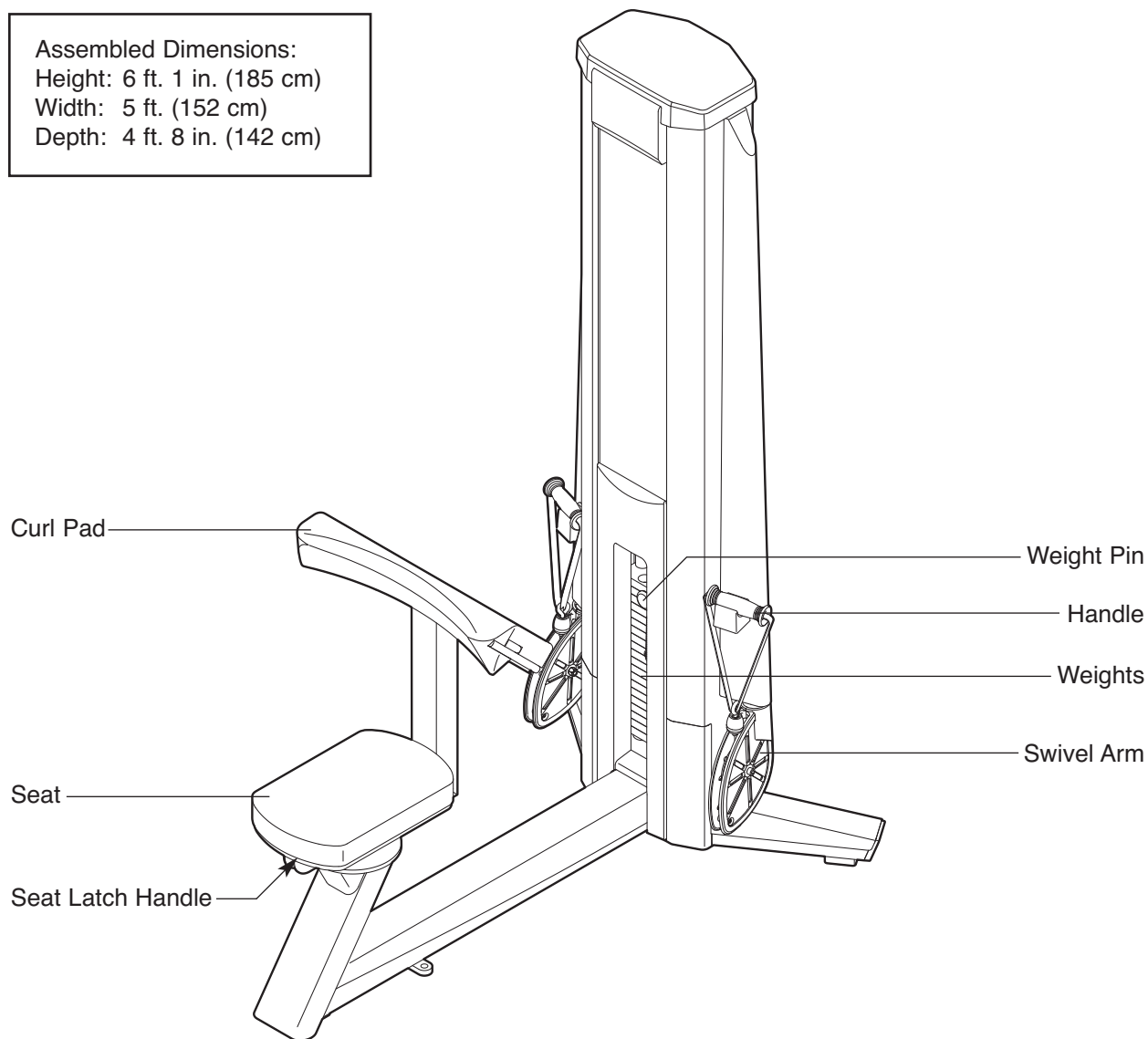
Thank you for selecting the FREEMOTION® BICEPS strength equipment. With unrestricted motion, you can work your body's muscle groups together—the same way you do naturally—and train more specifically and efficiently.

For your benefit, read this manual carefully before using the strength equipment. If you have questions after reading this manual, please see the back cover

of this manual. To help us assist you, note the product model number and serial number before contacting us. The model number the location of the serial number decal are shown on the front cover of this manual.

Before reading further, please review the drawing below and familiarize yourself with the parts that are labeled.

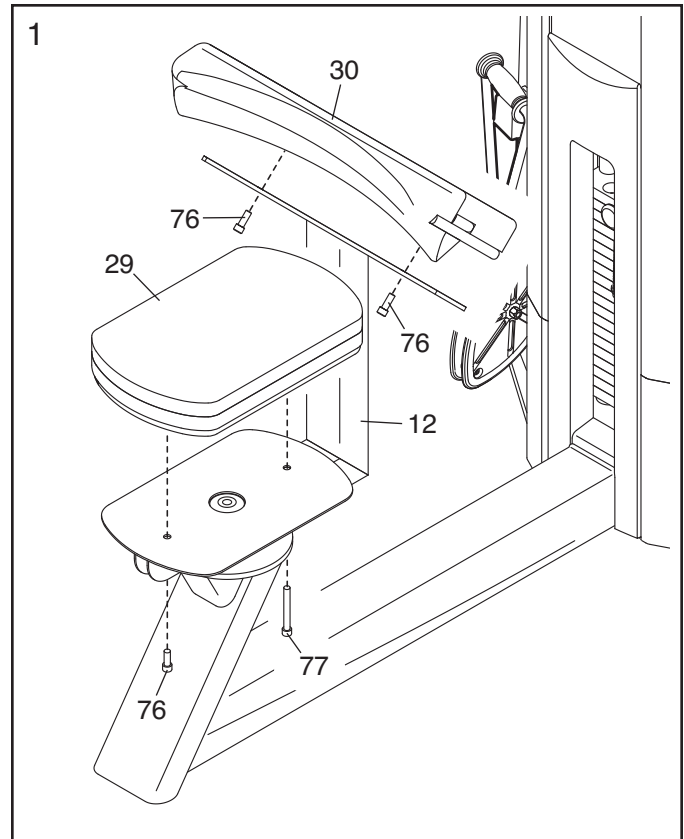
Assembled Dimensions:
Height: 6 ft. 1 in. (185 cm)
Width: 5 ft. (152 cm)
Depth: 4 ft. 8 in. (142 cm)



ASSEMBLY

1. Attach the Seat (29) to the Seat Frame (12) with a 3/8" x 1" Socket Screw (76) and a 3/8" x 3" Socket Screw (77).

Attach the Curl Pad (30) to the Seat Frame (12) with two 3/8" x 1" Socket Screws (76).



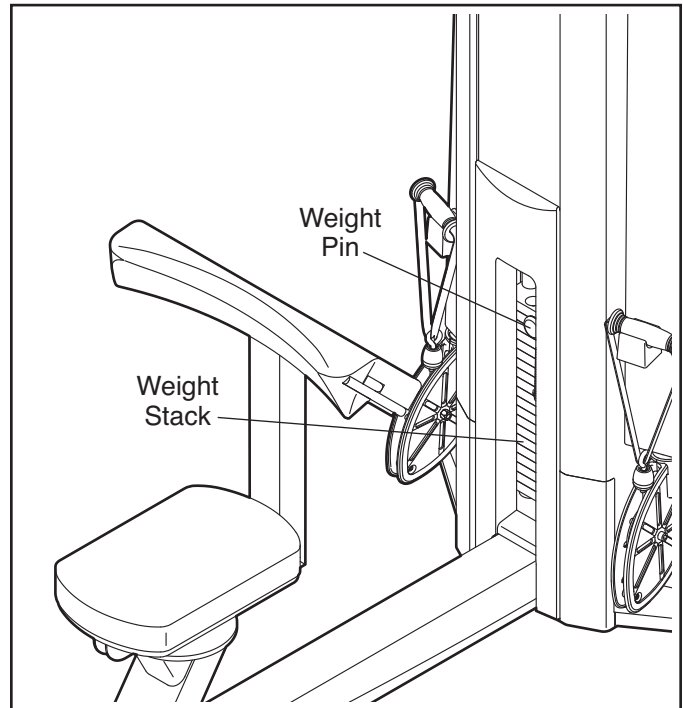
2. Make sure that all parts are properly tightened before you use the weight system.

ADJUSTMENT

This section explains how to adjust the strength equipment. Make sure that all parts are properly tightened each time the strength equipment is used. Replace any worn parts immediately.

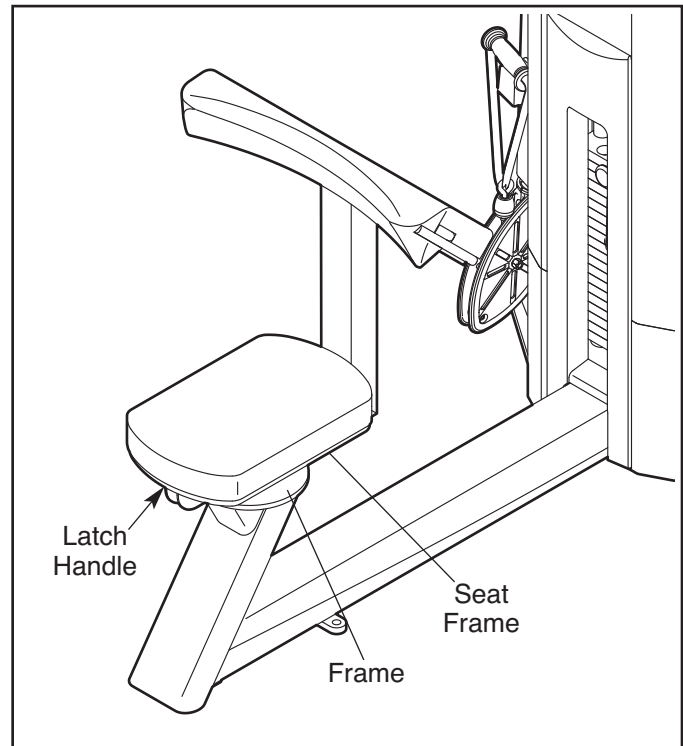
ADJUSTING THE RESISTANCE

To change the amount of resistance for your workout, insert the weight pin into the desired weight. Make sure that the weight pin is fully inserted into the weight stack.



ADJUSTING THE SEAT FRAME

To change the position of the seat frame, pull upward on the latch handle and rotate the seat frame to the inside or outside position. Release the latch handle and engage the latch pin into the frame.



MAINTENANCE AND TROUBLESHOOTING

For optimal performance of the strength equipment and to reduce the chances of injury to users, you must perform preventive maintenance on a regular basis. Instruct all personnel to perform the procedures described in this section. Personnel must also record and report any accident. To maintain the strength equipment's warranty, use only FREEMOTION parts for repair or replacement. If there are any questions or concerns, see HOW TO CONTACT CUSTOMER CARE on the back cover of this manual.

DAILY MAINTENANCE

Upholstery and Frame—General Cleaning

1. Clean the strength equipment using a soft cloth dampened with a light solution of mild soap and warm water. If necessary, use a soft bristle brush with the cleaning solution.
2. Rinse the area thoroughly using a soft cloth dampened with clean water. Dry thoroughly.

Upholstery—Difficult Stains

1. Spray the stain with a non-abrasive household cleaner such as FORMULA 409® cleaner, SIMPLE GREEN®, or a similar product. Rub the stained area gently and let the cleaning solution sit for a few minutes.
2. Rinse the area thoroughly using a soft cloth dampened with clean water. Dry thoroughly.
3. Repeat these steps if necessary using a soft bristle brush.

Optional Method for Difficult Stains

1. Rub the stained area gently using a soft cloth dampened with rubbing alcohol.
2. Rinse the area thoroughly using a soft cloth dampened with clean water. Dry thoroughly.

CAUTION: When using any cleaning product, try it first in an unnoticeable place to ensure that there is no damage to the material. Follow the directions and the safety precautions of the manufacturer of each cleaning product used. FreeMotion Fitness and its vendors cannot be held liable for damage or injuries resulting from the use or misuse of cleaning products. **IMPORTANT:** Do not use abrasive cleaners, which may scratch the strength equipment. Strong cleaners and abrasives will damage decals; use caution around decals. Do not use solvents such as lacquer thinner, kerosene, gasoline, or similar liquids.

WEEKLY MAINTENANCE

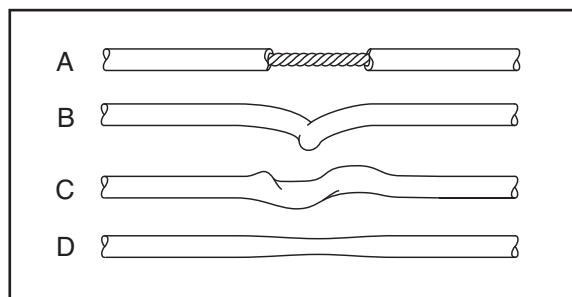
Hardware

Check all nuts and bolts and tighten them as required.

IMPORTANT: All FREEMOTION cushions have dense plywood supports with tee-nuts that are used to bolt the cushions to the strength equipment. Because the tee-nuts are held by the plywood, they will not withstand the torque that standard nuts and bolts will. When tightening the bolts securing a cushion, turn them only until they are snug and the cushion does not move or feel loose. Overtightening may strip the tee-nuts from the plywood and make it impossible to remove the cushion in the future.

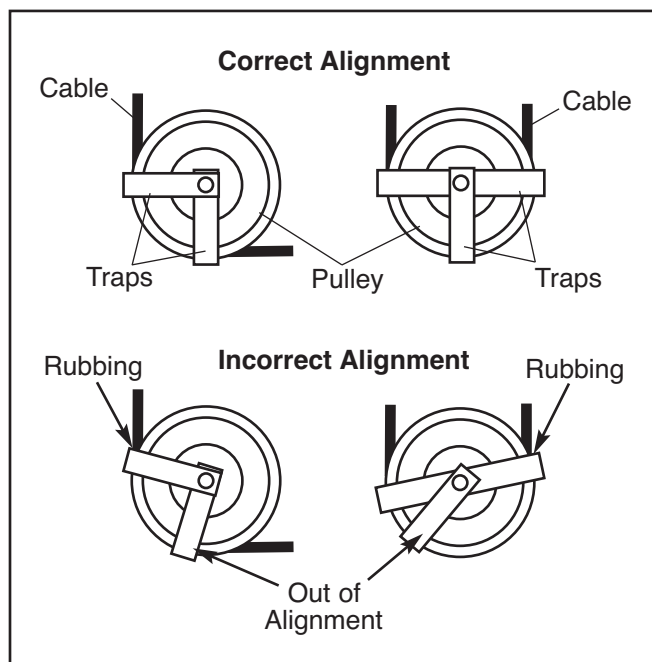
Cables

1. Check each cable for proper tension (see CABLE ADJUSTMENT on page 9).
2. Check the entire length of each cable by slowly performing one repetition on the strength equipment; inspect the cable that is exposed on the exterior of the strength equipment and the cable inside the tower. Run your fingers along the cable, paying close attention at the bends and attachment points. Watch for the following conditions, which may indicate a worn cable in need of replacement:
 - A. a torn or split cable sheath that exposes the cable
 - B. a kinked or severely bent cable
 - C. a curled or twisted sheath
 - D. a stretched cable sheath, showing a thinning cross-section



Cable Traps

Check the cable traps to ensure that they are not rubbing against the cables and that they are holding the cables in the grooves of the pulleys. If a cable trap is not correctly aligned, loosen the bolt slightly, readjust the cable trap as necessary, and retighten the bolt.



WEIGHT GUIDE LUBRICATION

Clean and lubricate the full length of each weight guide by wiping it with a soft cloth containing a light-weight motor oil, 10W-40 or 10W-30 weight. Apply only a light coating over the entire length of the weight guide. **Do not use TEFLON®-based lubricants.**

CABLE ADJUSTMENT

For the strength equipment to function correctly, the cables must be tensioned correctly. To check the tension of the cables, insert the weight pin into the weight carriage. Next, slowly raise and lower the weight carriage by performing one repetition. The weight carriage should come to rest just on top of the next weight when the repetition is completed.

If there is too much tension on the cables, the weight carriage will not rest on the next weight, and it may be difficult to insert the weight pin into the weights.

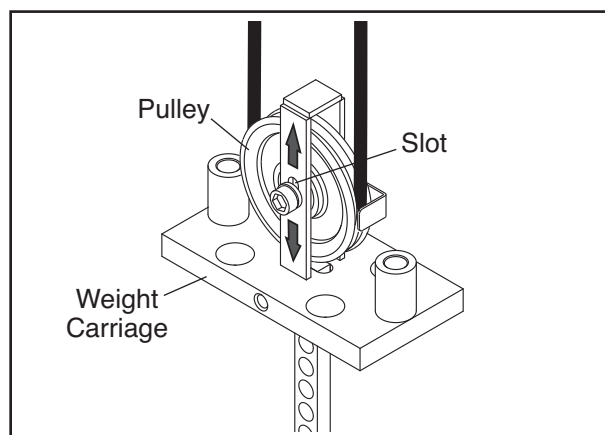
If there is not enough tension on the cables, the weight carriage will not be lifted immediately when the repetition is begun. Ideally, the cable should not move more than 1/2 in. (1.3 cm) from the resting position before the weight carriage is lifted.

If there is too much tension or not enough tension on a cable, adjust the cable as described in the following steps.

Weight Carriage Pulley Adjustment

Tools required: 5/16" hex key, 9/16" open end wrench

1. Remove the access cover by pulling it free at the bottom and then sliding it upward until the two sets of tabs release.
2. Loosen the locknut attaching the pulley in the bracket on the weight carriage.



3. Move the pulley to the appropriate location in the bracket. If more slack is needed in the cable, move the pulley upward. If less slack is needed in the cable, move the pulley downward.
4. Make sure that the cable trap is properly oriented (see CABLE TRAPS at the left) and retighten the locknut attaching the pulley to the bracket.
5. Check the tension of the cables as described above. Readjust as necessary.
6. Slowly perform a repetition using a light load and have someone make sure that the cable is not derailed from a pulley or rubbing on a cable trap.
7. Replace the access cover.

ADDITIONAL ADJUSTMENTS

Handle End Adjustment

Tools required: 1/8" hex key, cable cutters, torque wrench, utility knife

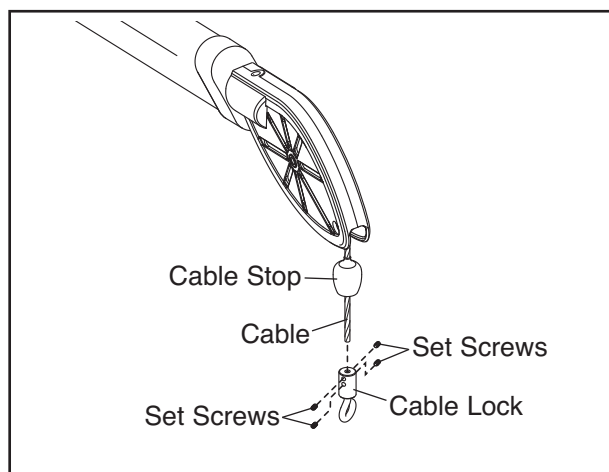
Note: Make this adjustment only if the pulley in the weight carriage has been fully adjusted to the bottom of the slot in the bracket and the cable requires more tension.

Note: This adjustment is only for increasing the cable tension, because it requires shortening the cable. Only one end of the cable should be shortened.

1. Create slack in the cable by removing the weight pin and pulling either handle out six to eight inches.

Insert the weight pin into the third weight plate and the tube on the bottom of the weight carriage.

2. Push the black rubber cable stop off the aluminum cable lock and slide the cable stop upward a few inches.



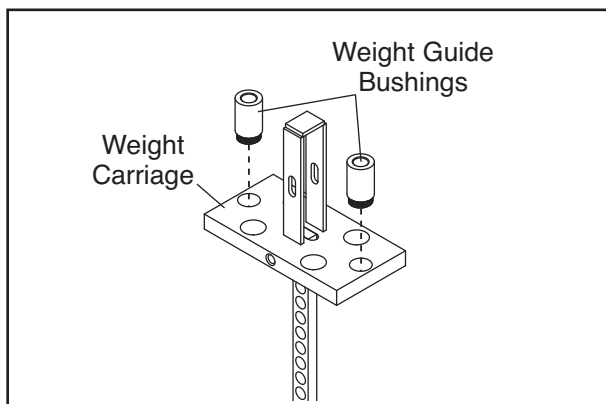
3. Loosen the four set screws in the cable lock and pull the cable free.

4. Cut off one inch of the cable end using cable cutters. **Note: Using any other tool may flatten or disrupt the end strands so that it may be difficult to reinsert the cable into the hole of the cable lock.**
5. Cut off one inch of the black cable sheath from the end of the cable.
6. Reinsert the cable and the sheath into the cable lock so that all of the bare cable is in the hole.
7. Retighten the four set screws into the threaded holes. Tighten the set screws equally until they contact the cable. Then, tighten each screw alternately 1/4 turn, until all are set to 85 inch/pounds (9.6 Newton-meters).
8. Slide the rubber cable stop over the cable lock, remove the weight pin, and lower the handle.
9. Check for proper tension on the cable as described in CABLE ADJUSTMENT, on page 9.

WEIGHT STACK SERVICING

Servicing the weight stack involves replacing the bushings in the weight carriage. To order these parts, see HOW TO CONTACT CUSTOMER CARE on the back cover of this manual.

1. Remove the access cover by pulling it free at the bottom and then sliding it upward until the two sets of tabs release.
2. Loosen the top bolt or nuts on each weight guide. Remove the bolts or nuts and let the weight guides slide down to the floor.
3. To remove the weight carriage, first unbolt the pulley(s) to release the cable using a 5/16" hex key and a 9/16" open-end wrench.
4. Slide the weight carriage upward off the top of the weight guides. Note: Pull the weight guides toward the back of the equipment for increased clearance.
5. Unscrew and remove the two existing weight guide bushings from the weight carriage. Discard the weight guide bushings you just removed.



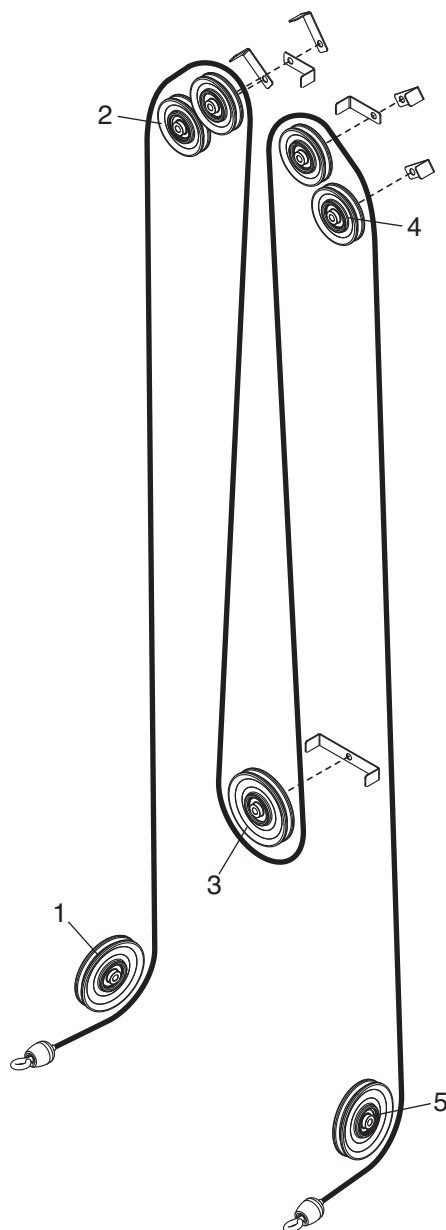
6. Tighten two new weight guide bushings into the weight carriage.

7. Clean and lubricate the weight guides by wiping them using a soft cloth containing a lightweight motor oil, 10W-40 or 10W-30 weight. Apply only a light coating over the entire length. See WEIGHT GUIDE LUBRICATION on page 9.
8. Replace the weight carriage on the weight guides. Reattach the pulley, cable, and cable traps.
9. Reattach the weight guides to the top of the tower.
10. Insert the weight pin into the weight carriage. Pull the handle, lifting the weight carriage all the way to the top. Slowly return the handle to the resting position.

If the weight carriage sticks, loosen one of the weight guide bolts or nuts. Lift the weight carriage to the top again. Retighten the weight guide bolt or nuts. Check the full travel again and readjust the weight guides if necessary.
11. Slowly perform a repetition and have someone make sure that the cable is not derailed from a pulley or rubbing on a cable trap.
12. Replace the access cover.

CABLE DIAGRAM

The cable diagram shows the proper route of the cable. Use the diagram to make sure that the cable and the cable traps have been assembled correctly. If the cable has not been correctly routed, the strength equipment will not function properly and damage may occur. The numbers show the correct route of the cable. **Make sure that the cable traps do not touch or bind the cable.**



PART LIST

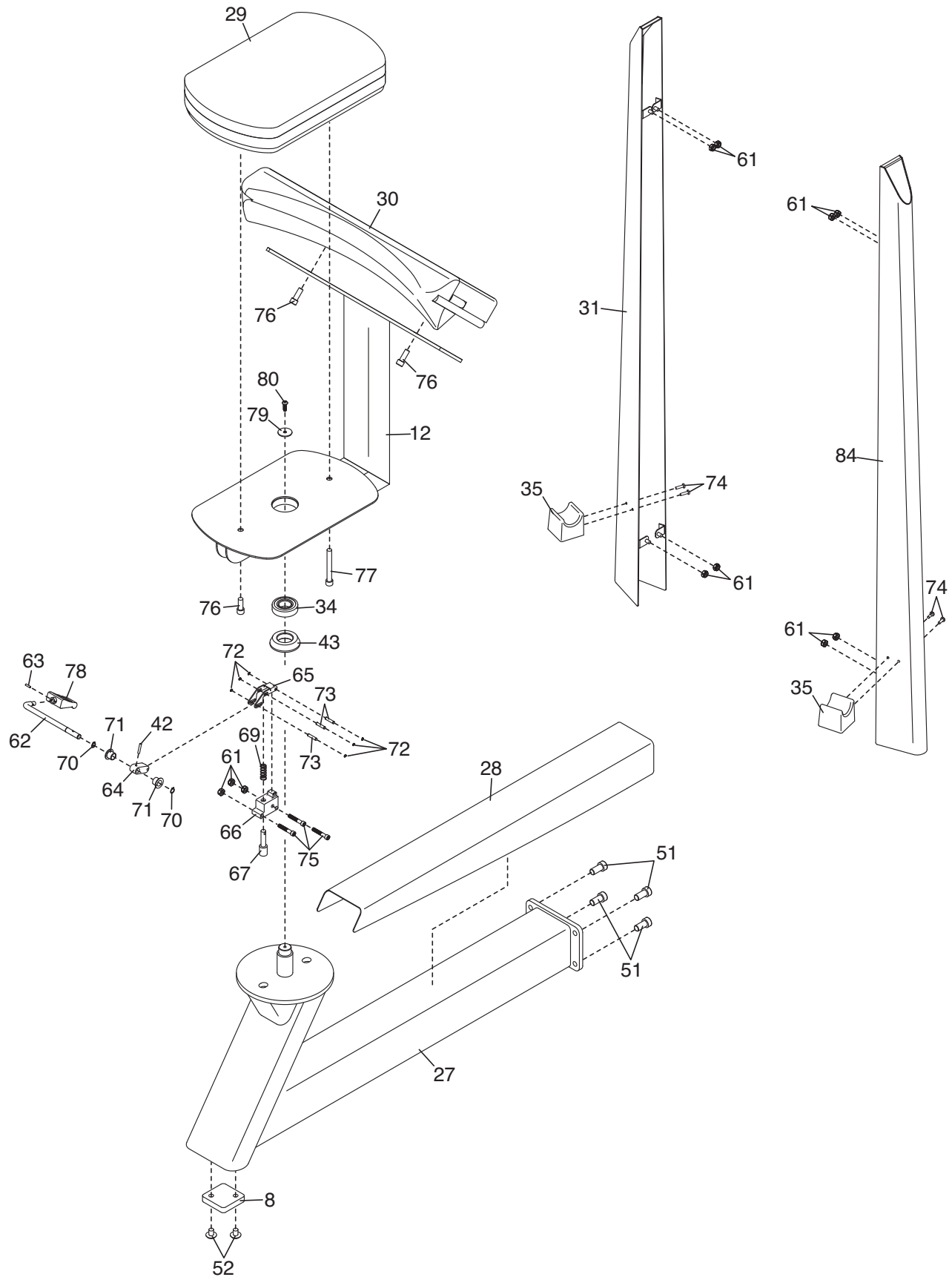
Model No. F602.1 R1011A

Key No.	Qty.	Description	Key No.	Qty.	Description
1	1	Tower	45	2	5 1/2" Magnetic Tape
2	1	Tower Cover	46	1	Hook Fastener Tape
3	1	Left Stabilizer	47	1	Loop Fastener Tape
4	1	Right Stabilizer	48	8	1/4" x 3/8" Set Screw
5	1	Left Stabilizer Cover	49	4	#8 x 3/4" Screw
6	1	Right Stabilizer Cover	50	4	#10 x 1/2" Flat Head Machine Screw
7	2	Stabilizer Cap	51	4	1/2" x 1" Socket Screw
8	3	Foot	52	6	3/8" x 1/2" Button Screw
9	1	Upper Cover	53	2	1/4" x 5/8" Socket Screw
10	1	Lower Cover	54	8	3/8" x 1" Socket Patch Screw
11	2	Kick Cover	55	6	3/8" x 2" Socket Bolt
12	1	Seat Frame	56	1	Cable
13	1	Rear Cover	57	4	5/8" Split Washer
14	1	Weight Carriage	58	7	1/4" x 3/8" Button Screw
15	9	Small Weight Plate	59	7	3/8" Locknut
16	10	Weight Plate	60	4	5/8" Jam Nut
17	2	Weight Cushion	61	12	1/4" Locknut
18	2	Weight Guide	62	1	Latch Arm
19	2	Weight Guide Bushing	63	1	Handle Roll Pin
20	1	Weight Pin	64	1	Link Arm
21	1	Weight Bumper	65	1	Link Bracket
22	6	Cable Trap	66	1	Latch Block
23	1	Double Cable Trap	67	1	Latch Pin
24	4	Small Pulley	68	8	1/2" x 1" Flat Head Screw
25	4	#8 x 1" Flat Head Screw	69	1	Spring
26	1	3/8" x 2 1/4" Socket Screw	70	2	3/8" Snap Ring
27	1	Frame	71	2	Latch Arm Bushing
28	1	Frame Cover	72	6	Assembly Pin Snap Ring
29	1	Seat	73	3	Assembly Pin
30	1	Curl Pad	74	4	#8 x 3/8" Button Screw
31	1	Right Cable Cover	75	3	1/4" x 1 1/2" Socket Screw
32	2	Cable Lock	76	3	3/8" x 1" Socket Screw
33	2	63" Magnetic Tape	77	1	3/8" x 3" Socket Screw
34	5	Bearing	78	1	Latch Handle
35	2	Handle Rest	79	1	1/4" x 1 1/8" Fender Washer
36	2	Outer Pulley Bracket	80	1	1/4" x 3/4" Button Screw
37	2	Inner Pulley Bracket	81	2	Paddle Bracket
38	2	Pivot Tube	82	2	Limiter
39	3	Large Pulley	83	2	Handle
40	2	Snap Ring	84	1	Left Cable Cover
41	2	Cable Stop	85	2	Roll Pin
42	1	#10 x 3/4" Set Screw	*	—	Owner's Manual
43	1	Seat Spacer			
44	2	Serrated Washer			

Note: Specifications are subject to change without notice. For information about ordering replacement parts, see the back cover of this manual. *These parts are not illustrated.

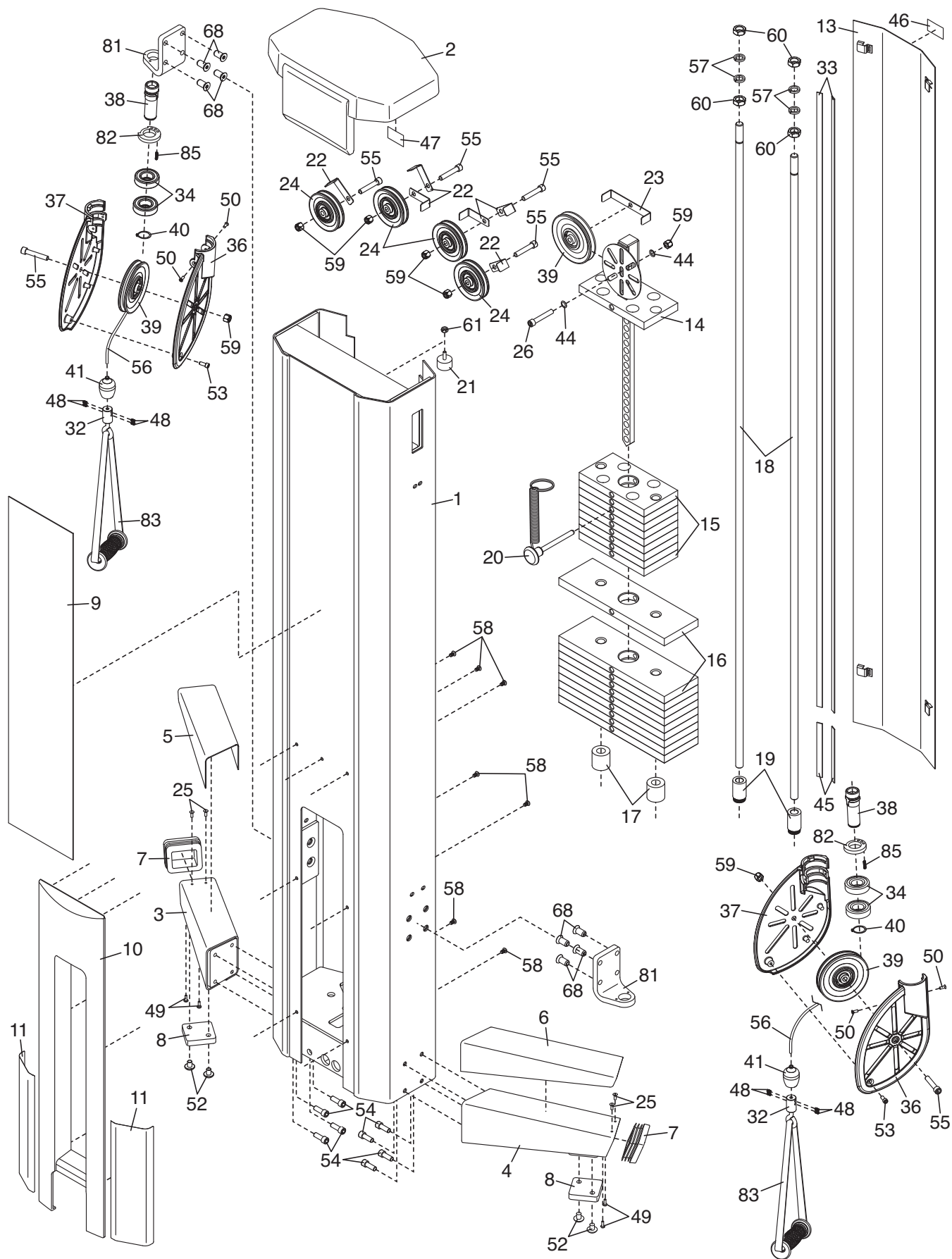
EXPLODED DRAWING A

Model No. F602.1 R1011A



EXPLODED DRAWING B

Model No. F602.1 R1011A



HOW TO CONTACT CUSTOMER CARE

If you have questions after reading this manual, or if parts are damaged or missing, please contact Customer Care at the phone numbers or addresses listed below. **Please note the model number, serial number, and name of the product (see the front cover of this manual) before contacting Customer Care. If you are ordering replacement parts, please also note the key number and description of each part (see the PART LIST and the EXPLODED DRAWING near the end of this manual).**

In the United States and Canada

Call: 1-800-201-2109, Mon.–Fri. 8 a.m.–5 p.m. MT

Write:

FreeMotion Fitness
1500 South 1000 West
Logan, UT 84321-9813
United States

Outside the United States and Canada

Call: 001-435-786-3521

Email: intlcustomercare@freemotionfitness.com