

NOTE:
Please read all instructions
carefully before using this
product

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Model
IVK-9020

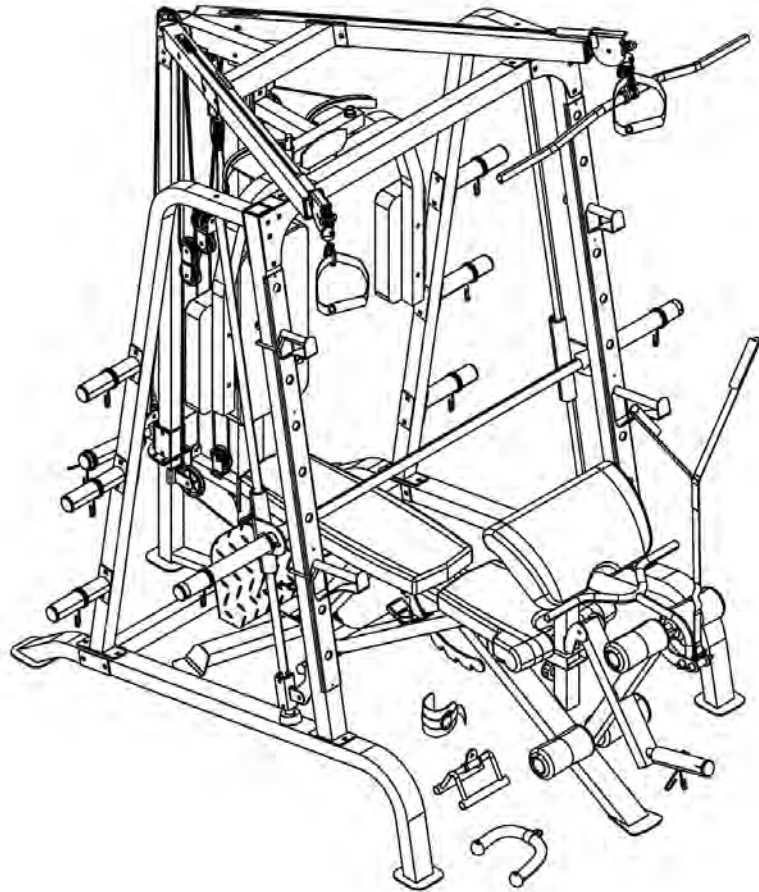
Retain This
Manual for
Reference

10-23-07

OWNER'S
MANUAL



IVANKO DELUXE SMITH MACHINE IVK-9020



IMPEX® INC.

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www.impex-fitness.com

info@impex-fitness.com

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BEFORE YOU BEGIN

Thank you for selecting the IVANKO IVK-9020 by IMPEX[®] INC. For your safety and benefit, read this manual carefully before using the machine. As a manufacturer, we are committed to provide you complete customer satisfaction. If you have any questions, or find there are missing or damaged parts, we guarantee you complete satisfaction through direct assistance from our factory. To avoid unnecessary delays, *please call our TOLL-FREE customer service number.* Our Customer Service Agents will provide immediate assistance to you.

Toll-Free Customer Service Number

1-800-999-8899

Mon. - Fri. 9 a.m. - 5 p.m. PST

www.impex-fitness.com

info@impex-fitness.com

IMPORTANT SAFETY NOTICE

PRECAUTIONS

This exercise machine is built for optimum safety. However, certain precautions apply whenever you operate a piece of exercise equipment. Be sure to read the entire manual before you assemble or operate your machine. In particular, note the following safety precautions:

1. **Keep children and pets away from the machine at all times. DO NOT leave children unattended in the same room with the machine.**
2. Only one person at a time should use the machine.
3. If the user experiences dizziness, nausea, chest pain, or any other abnormal symptoms, STOP the workout at once. CONSULT A PHYSICIAN IMMEDIATELY.
4. Position the machine on a clear, leveled surface. DO NOT use the machine near water or outdoors.
5. Keep hands away from all moving parts.
6. Always wear appropriate workout clothing when exercising. DO NOT wear robes or other clothing that could become caught in the machine. Running or aerobic shoes are also required when using the machine.
7. Use the machine only for its intended use as described in this manual. DO NOT use attachments not recommended by the manufacturer.
8. Do not place any sharp object around the machine.
9. Disabled person should not use the machine without a qualified person or physician in attendance.
10. Before using the machine to exercise, always do stretching exercises to properly warm up.
11. Never operate the machine if the machine is not functioning properly.
12. A spotter is recommended during exercise.

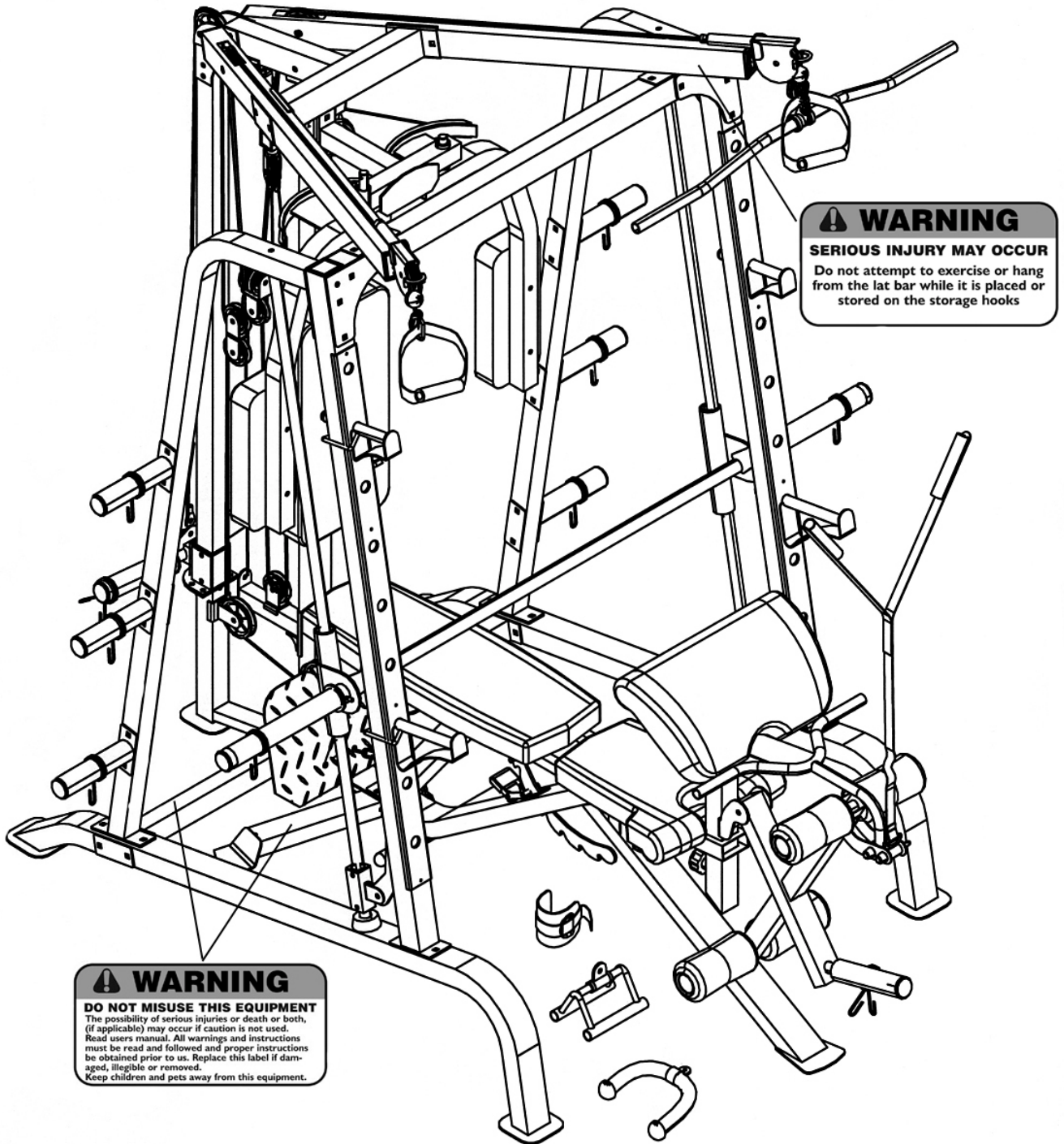
CARE AND MAINTENANCE

1. Lubricate moving parts with WD-40 or light oil periodically.
2. Inspect and tighten all parts before using the machine.
3. The machine can be cleaned using a damp cloth and mild non-abrasive detergent. DO NOT use solvents.
4. Maximum user's weight: 300 lbs.
5. Maximum weights on the rack: 600 lbs.
6. Maximum weights on Leg Developer: 100 lbs.
7. Maximum weights on Cross-over, Lat Pull: 200 lbs.

WARNING: BEFORE BEGINNING ANY EXERCISE PROGRAM, CONSULT YOUR PHYSICIAN. THIS IS ESPECIALLY IMPORTANT FOR INDIVIDUALS OVER THE AGE OF 35 OR PERSONS WITH PRE-EXISTING HEALTH PROBLEMS. READ ALL INSTRUCTIONS BEFORE USING ANY FITNESS EQUIPMENT. IMPEX INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE SUSTAINED BY OR THROUGH THE USE OF THIS PRODUCT.

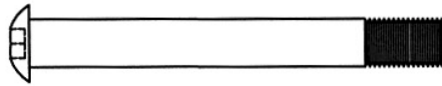
SAVE THESE INSTRUCTIONS.

WARNING LABEL PLACEMENT

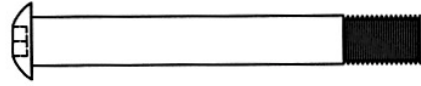


The warning labels shown here have been placed on the Rear Base, Rear Stabilizer, and Upper Frame. If the labels are missing or illegible, please call customer service at 1-800-888-8899 for replacements. Apply the labels in the location shown.

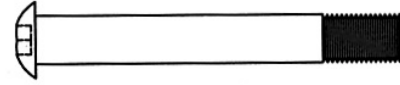
SMITH MACHINE HARDWARE PACK



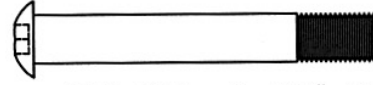
#73 M10 x 3 3/8" Allen Bolt (Qty 2)



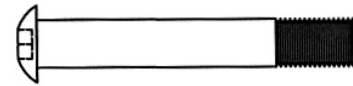
#72 M10 x 3 1/8" Allen Bolt (Qty 2)



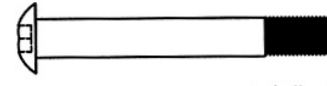
#71 M10 x 3" Allen Bolt (Qty 2)



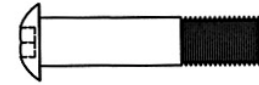
#105 M10 x 2 3/4" Allen Bolt (Qty 1)



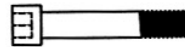
#70 M10 x 2 1/2" Allen Bolt (Qty 2)



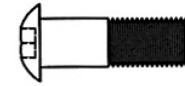
#80 M8 x 2 1/2" Allen Bolt (Qty 6)



#69 M10 x 1 3/4" Allen Bolt (Qty 11)



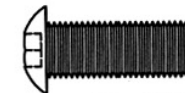
#83 M6 x 1 1/4" Allen Bolt (Qty 2)



#104 M10 x 1 1/8" Allen Bolt (Qty 2)



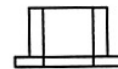
#74 M10 x 1" Carriage Bolt (Qty 4)



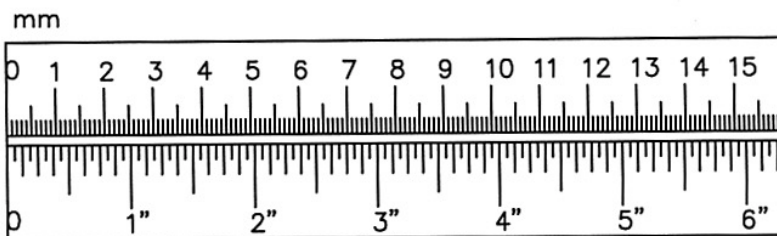
#68 M10 x 1" Allen Bolt (Qty 12)



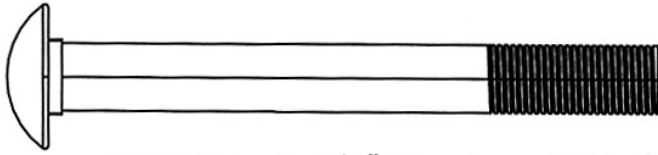
#106 M6 x 1/4" Allen Screw (Qty 4)



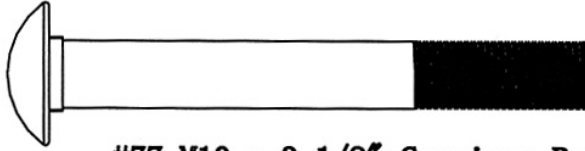
#62 Pulley Bushing (Qty 6)



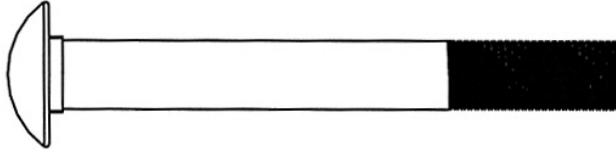
SMITH MACHINE HARDWARE PACK



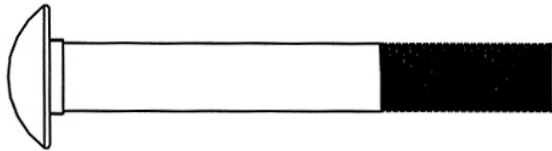
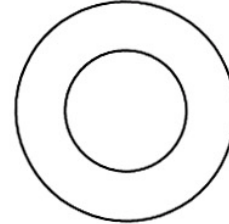
#79 M10 x 3 1/2" Carriage Bolt (Qty 4)



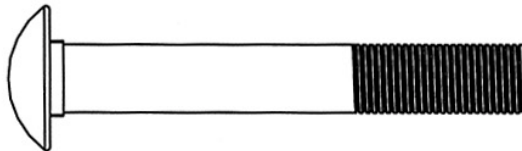
#77 M10 x 3 1/8" Carriage Bolt (Qty 4)



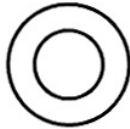
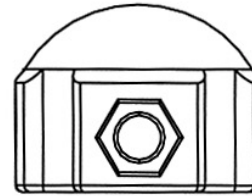
#78 M10 x 3 3/8" Carriage Bolt (Qty 8) #67 Ø 1 1/2" Washer (Qty 2)



#76 M10 x 3" Carriage Bolt (Qty 10)



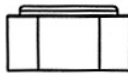
#75 M10 x 2 3/4" Carriage Bolt (Qty 22) #56 Lock Ring (Qty 2)



#66 Ø 3/4" Washer
(Qty 100)



#65 Ø 5/8" Washer
(Qty 6)

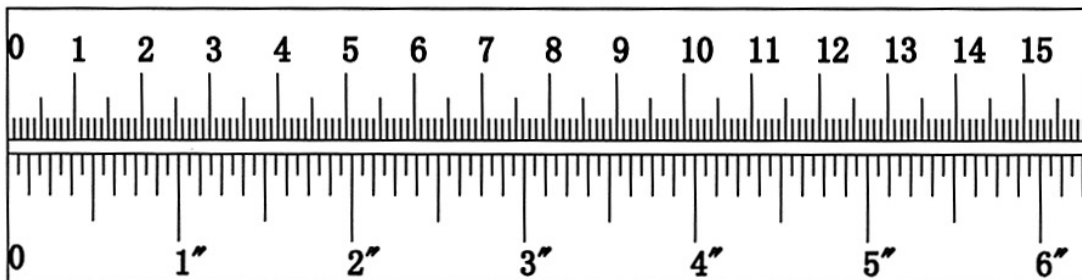


#86 M10 Aircraft Nut
(Qty 82)



#85 M6 Aircraft Nut
(Qty 2)

mm



SMITH MACHINE ASSEMBLY INSTRUCTION

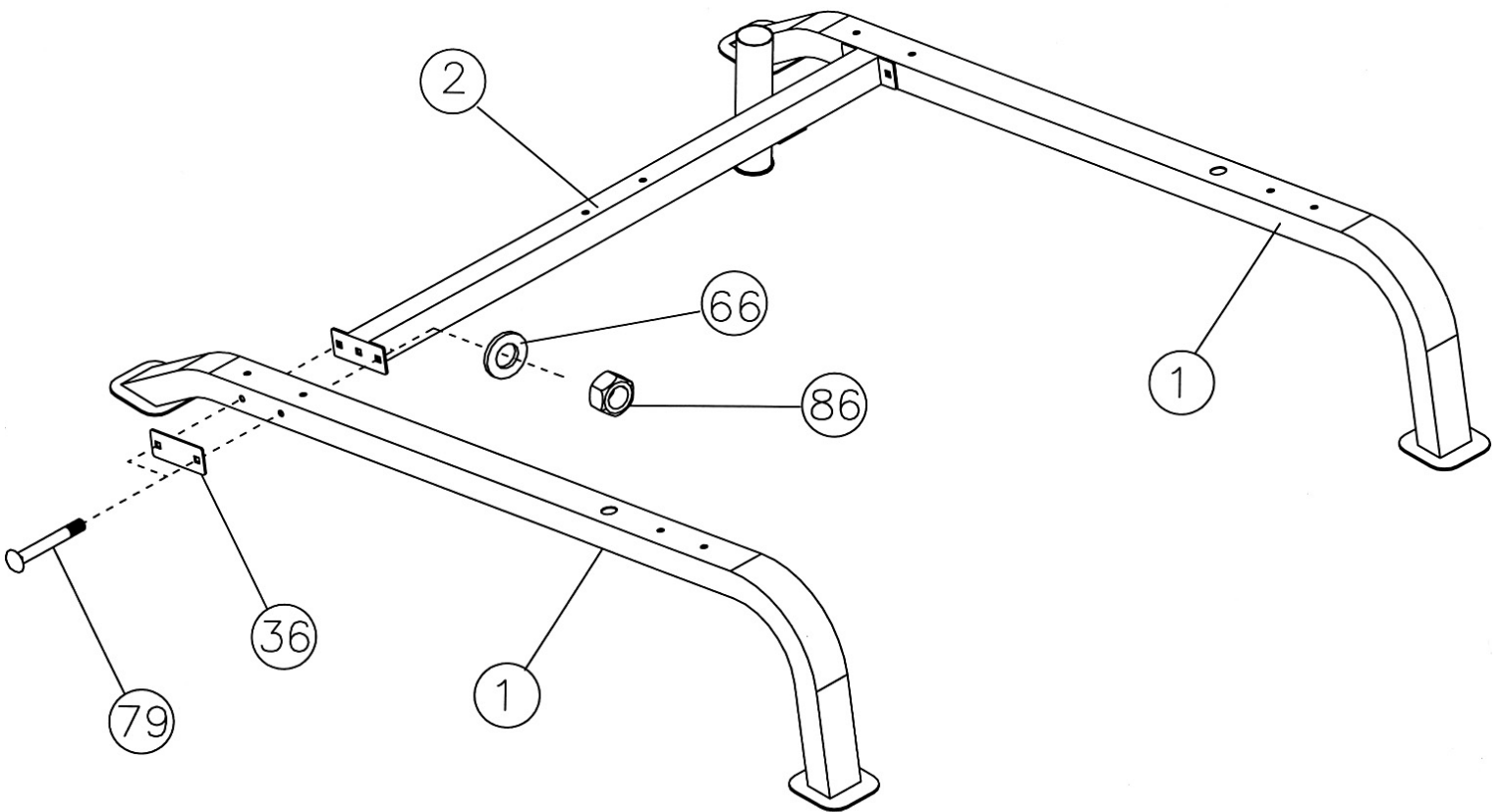
Tools Required Assembling the Machine: Two Adjustable Wrenches and Allen Wrenches.

NOTE: It is strongly recommended two or more people assembling this machine to avoid possible injury.

STEP 1 (See Diagram 1)

- A.) Connect the two Base Frames (#1) by a Cross Brace (#2) in the mid-span. Secure each end of The Cross Brace with two M10 x 3 1/2" Carriage Bolts (#79), one 4 3/4" x 2" Bracket (#36), two Ø 3/4" Washers (#66), and two M10 Aircraft Nuts (#86).
- B.) NOTE: DO NOT tighten the Nuts and Bolts yet.

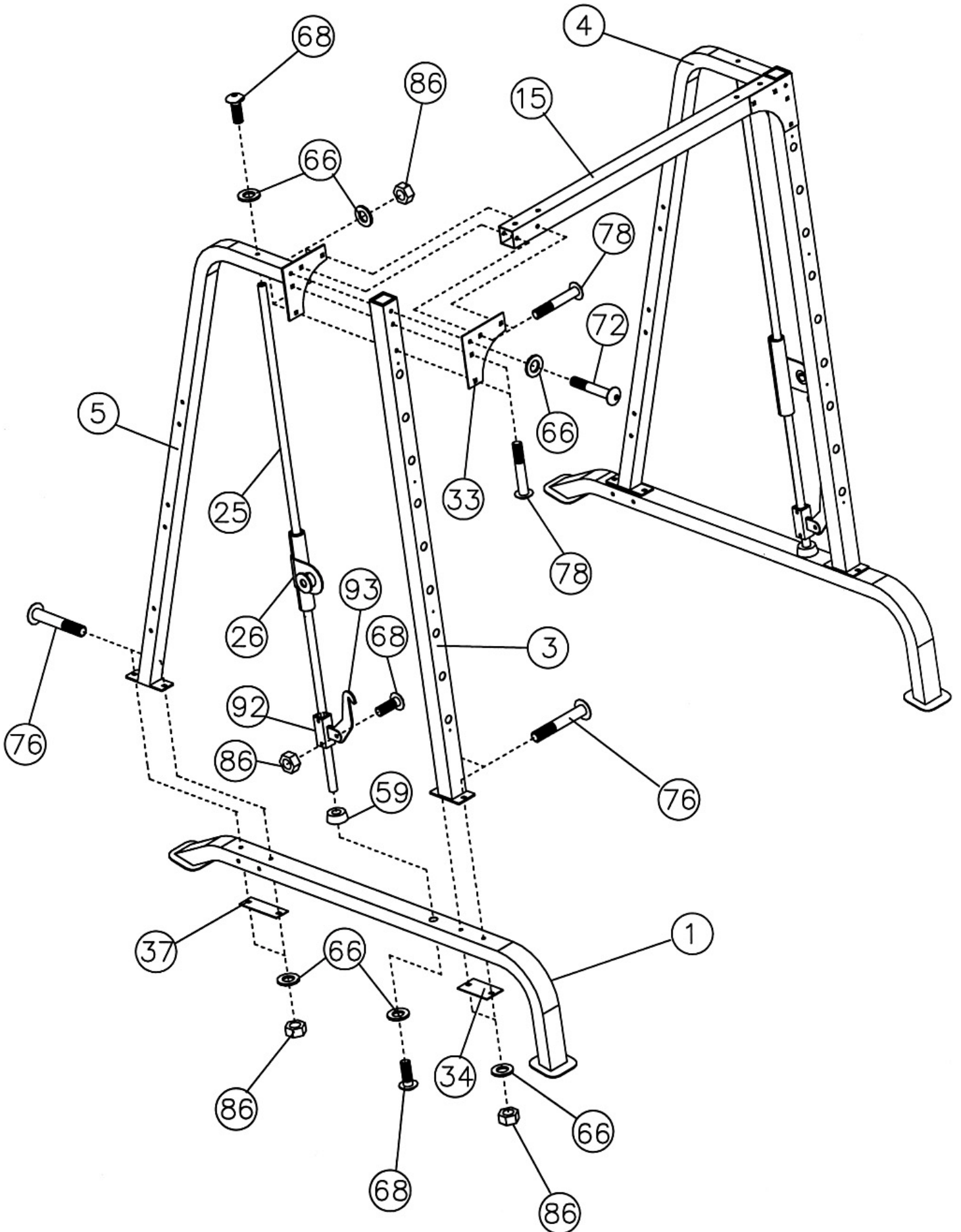
DIAGRAM 1



STEP 2 (See Diagram 2)

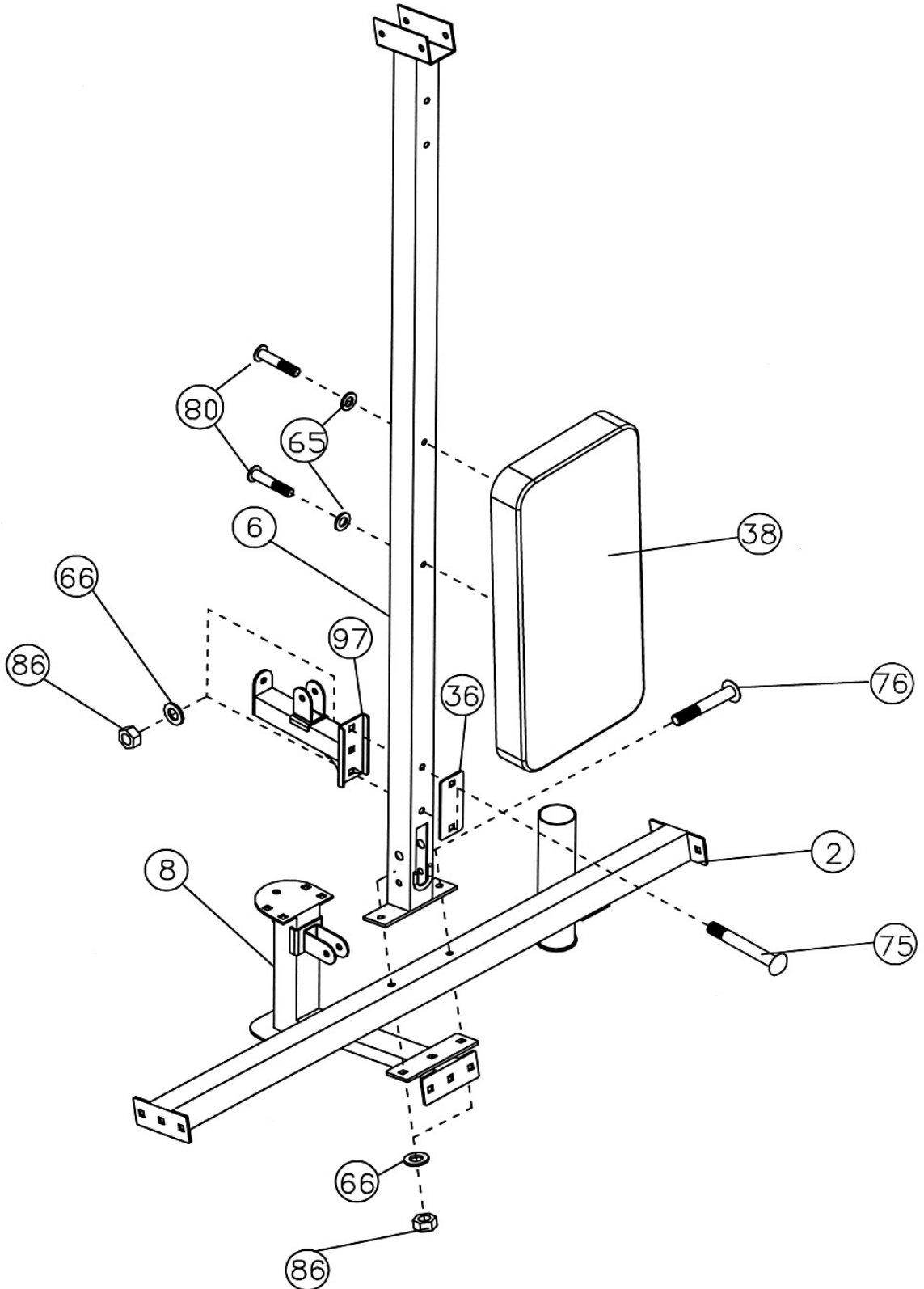
- A.) Attach a Front Vertical Frame (#3) to the right Base Frame (#1). Secure it with two M10 x 3" Carriage Bolts (#76), one 5 1/8" x 2 3/4" Bracket (#34), two Ø 3/4" Washers (#66), and two M10 Aircraft Nuts (#86). Do not tighten the Nuts and Bolts yet.
- B.) Align a Ø 2 1/2" Rubber Bumper (#59) to the hole on the Base Frame. Insert a Guide Rod (#25) through the Rubber Bumper and into the Base Frame. Secure it with one M10 x 1" Allen Bolt (#68) and Ø 3/4" Washer (#66).
- C.) Slide a Lower Safety Stop Frame (#92) onto the Guide Rod (#25). Secure the Safety Hook (#93) to the Lower Safety Stop Frame (#92) with a M10 x 1" Allen Bolt (#68) and M10 Aircraft Nut (#86). Attach the Hook onto the back of the Front Vertical Beam (#3).
- D.) Slide a Safety Stop Frame (#26) onto the Guide Rod (#25).
- E.) Attach the hole on top of the Right Vertical Frame (#5) to the top of the Guide Rod (#25). Attach the top of Right Vertical Frame (#5) to the top of Front Vertical Frame (#3). Attach the bottom of Right Vertical Frame (#5) to the Base Frame (#1).
- F.) Secure the Guide Rod (#25) to the Right Vertical Frame (#5) with one M10 x 1" Allen Bolt (#68) and Ø 3/4" Washer (#66).
- G.) Secure the Right Vertical Frame (#5) to the Base Frame with two M10 x 3" Carriage Bolts (#76), one 6 1/4" x 2" Bracket (#37), two Ø 3/4" Washers (#66), and two M10 Aircraft Nuts (#86). Do not tighten the Nuts and Bolts yet.
- H.) Secure the Right Vertical Frame (#5) to the Front Vertical Beam (#3) with one Triangle Bracket (#33), M10 x 3 1/8" Allen Bolt (#72), and Ø 3/4" Washer (#66) to the top hole. Secure the bottom two holes with two M10 x 3 3/8" Carriage Bolts (#78), Ø 3/4" Washers (#66) and M10 Aircraft Nuts (#86).
- I.) Repeat the above Procedures A through H to install the other side.
- J.) Attach the Front Top Beam (#15) to the Front Vertical Beams (#3) and the Triangle Brackets (#33). Align the Holes. Secure each end with two M10 x 3 3/8" Carriage Bolts (#78), Ø 3/4" Washers (#66), and M10 Aircraft Nuts (#86).
- K.) Do NOT tighten all the Nuts and Bolts yet.

DIAGRAM 2



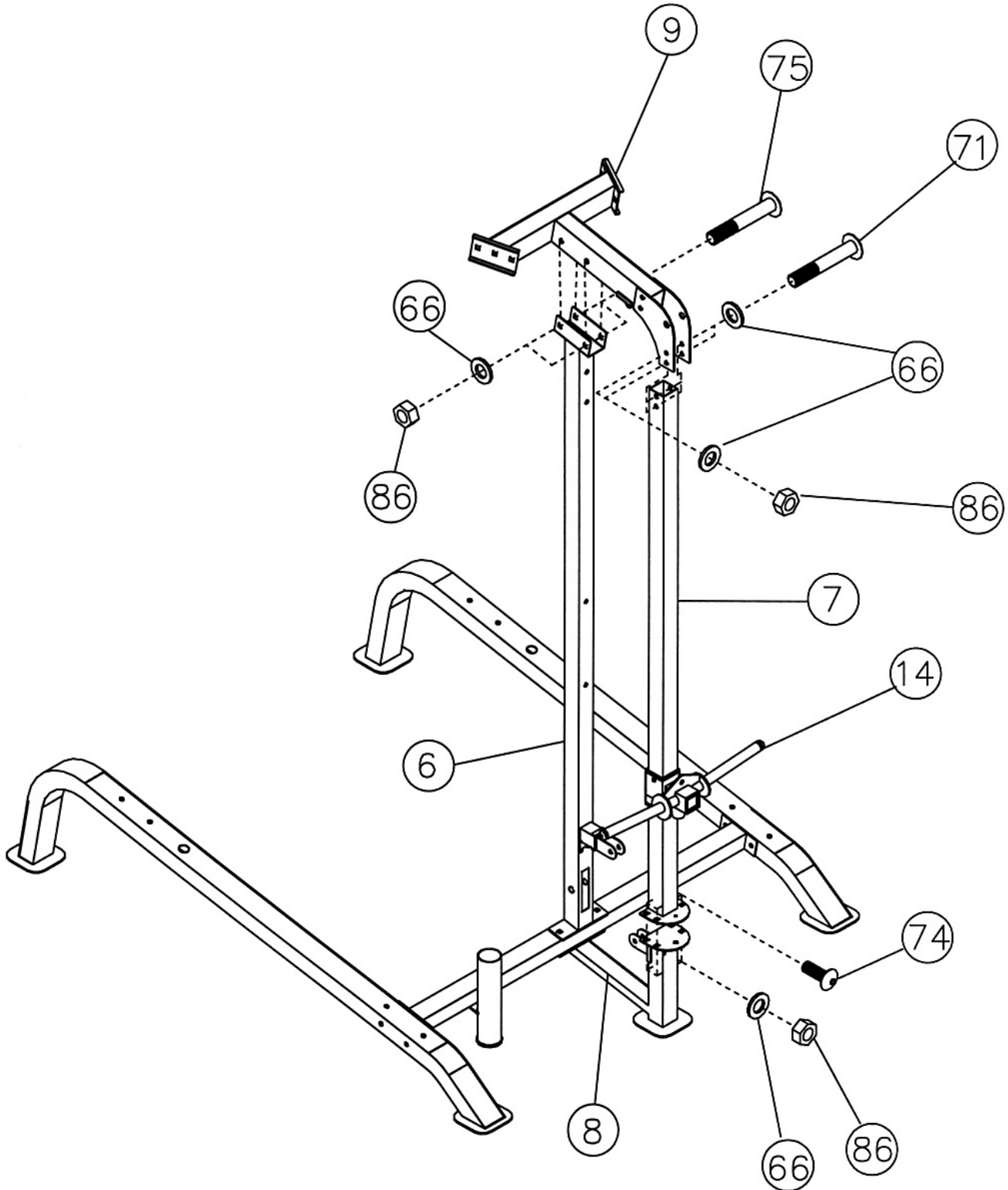
STEP 3 (See Diagram 3)

- A.) Attach the Rear Vertical Beam (#6) to the top of the Cross Brace (#2). Attach the Weight Glide Base (#8) to the Cross Brace from the Bottom. Align the holes. Secure them with two M10 x 3" Carriage Bolts (#76), $\text{\O} \frac{3}{4}$ " Washers (#66), and M10 Aircraft Nuts (#86).
- B.) Attach the Pulley Support Frame (#97) to the Rear Vertical Beam. Secure it with two M10 x 2 $\frac{3}{4}$ " Carriage Bolts (#75), one 4 $\frac{3}{4}$ " x 2" Bracket (#36), two $\text{\O} \frac{3}{4}$ " Washers (#66), and two M10 Aircraft Nuts (#86).
- C.) Attach the Backrest Board (#38) to the Rear Vertical Beam. Secure it with two M8 x 2 $\frac{1}{2}$ " Allen Bolts (#80) and $\text{\O} \frac{5}{8}$ " Washers (#65).



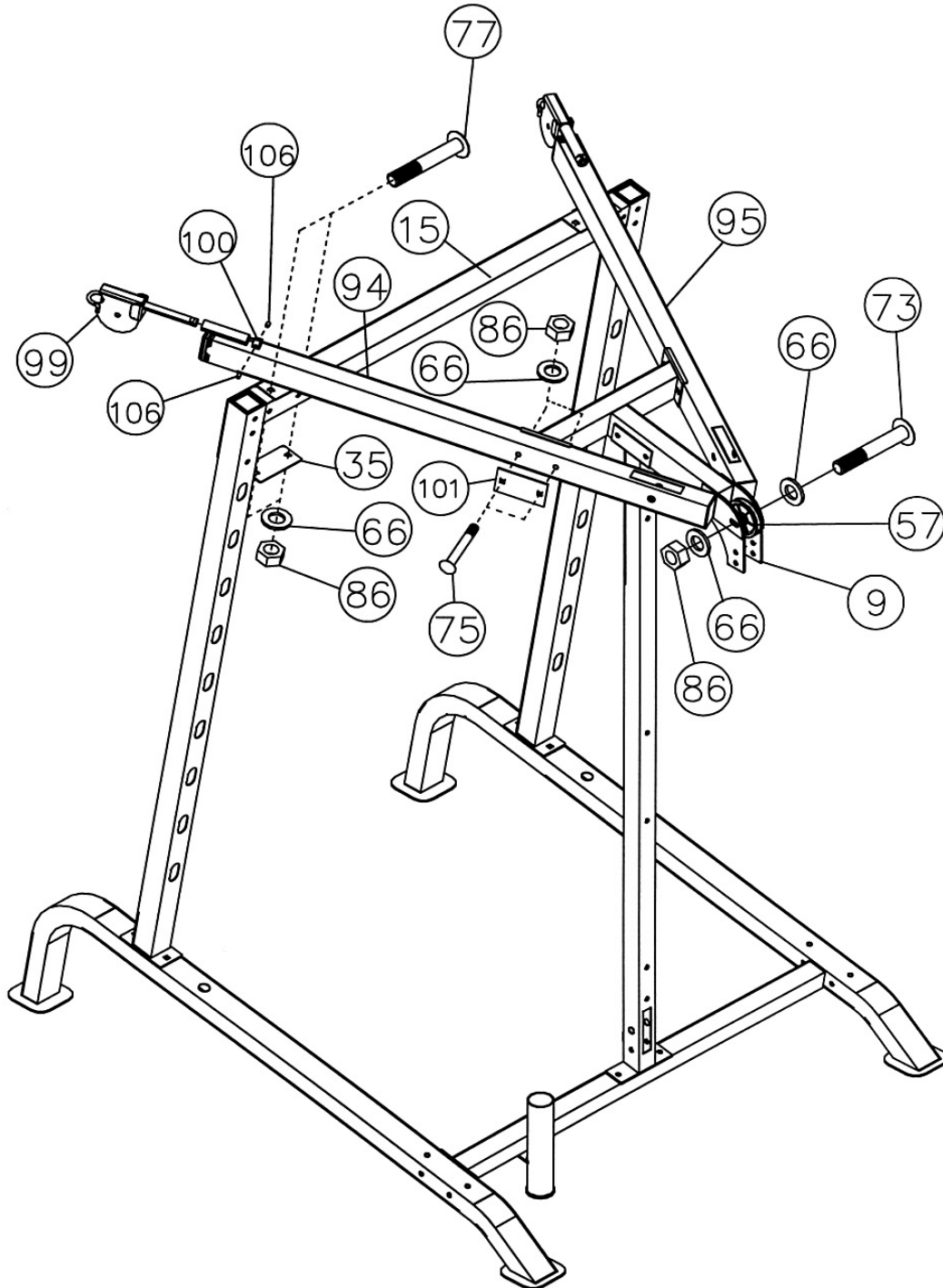
STEP 4 (See Diagram 4)

- A.) Attach the Weight Glide Post (#7) onto the Weight Glide Base (#8). Secure it with four M10 x 1" Carriage Bolts (#74), \varnothing $\frac{3}{4}$ " Washers (#66) and M10 Aircraft Nuts (#86).
- B.) Slide the Sliding Weight Post (#14) onto the Chromed Post from the top. Place the Rear Upper Frame (#9) onto the Weight Glide Post (#7) and Rear Vertical Beam (#6).
- C.) Align the holes. Secure the Rear Upper Frame to the Weight Glide Post with two M10 x 3" Allen Bolts (#71), four \varnothing $\frac{3}{4}$ " Washers (#66), and two M10 Aircraft Nuts (#86). Do not tighten the Nuts and Bolts yet.
- D.) Secure the Upper Frame to the Rear Vertical Beam (#6) with two M10 x 2 $\frac{3}{4}$ " Carriage Bolts (#75), \varnothing $\frac{3}{4}$ " Washers (#66) and M10 Aircraft Nuts (#86).



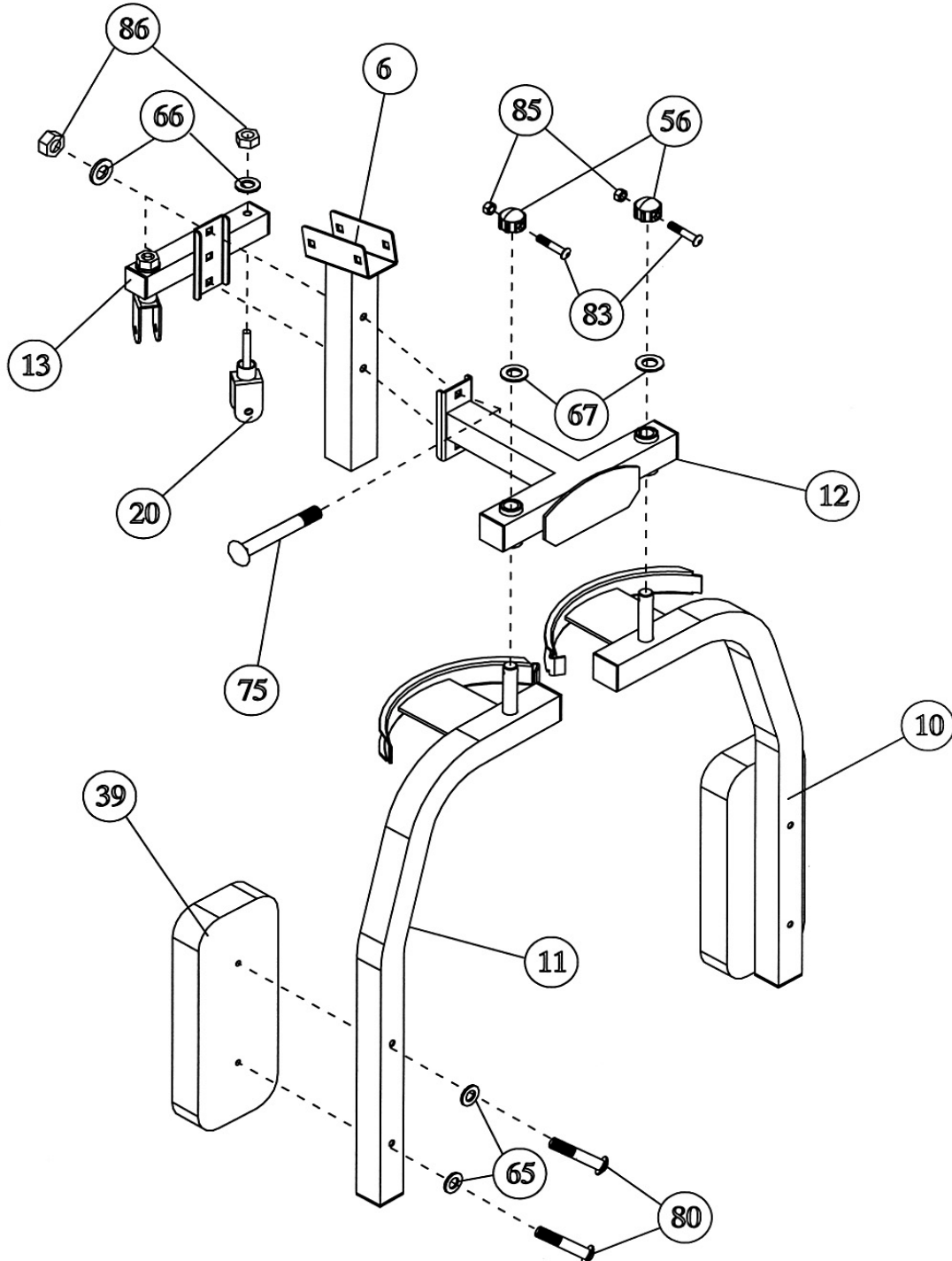
STEP 5 (See Diagram 5)

- A. Place the Left Upper Frame (#94) onto the Front Top Beam (#15). Secure it with two M10 x 3 1/8" Carriage Bolts (#77), one 5 1/8" x 2 3/8" Bracket (#35), two Ø 3/4" Washers (#66), and two M10 Aircraft Nuts (#86).
- B. Secure the Left Upper Frame (#94) to the Rear Upper Frame with two M10 x 2 3/4" Carriage Bolts (#75), one 4 3/4" x 2 3/4" Bracket (#101), two Ø 3/4" Washers (#66), and M10 Aircraft Nuts (#86).
- C. Insert a Cross-Over Swivel Pulley Bracket (#99) into the sleeve on the Left Upper Frame. Secure it with one Ø 7/8" x 5/8" Bushing and two M6 x 1/4" Allen Screws (#106).
- D. Repeat procedures A, B and C above to install the Right Upper Frame (#95). Place a Pulley (#57) in the opening on the Rear Upper Frame (#9). Secure the Pulley, the rear of Left & Right Upper Frames (#94 & 95), and the Rear Upper Frame (#9) all together with one M10 x 3 3/8" Allen Bolt (#73), two Ø 3/4" Washers (#66), and one M10 Aircraft Nut (#86).

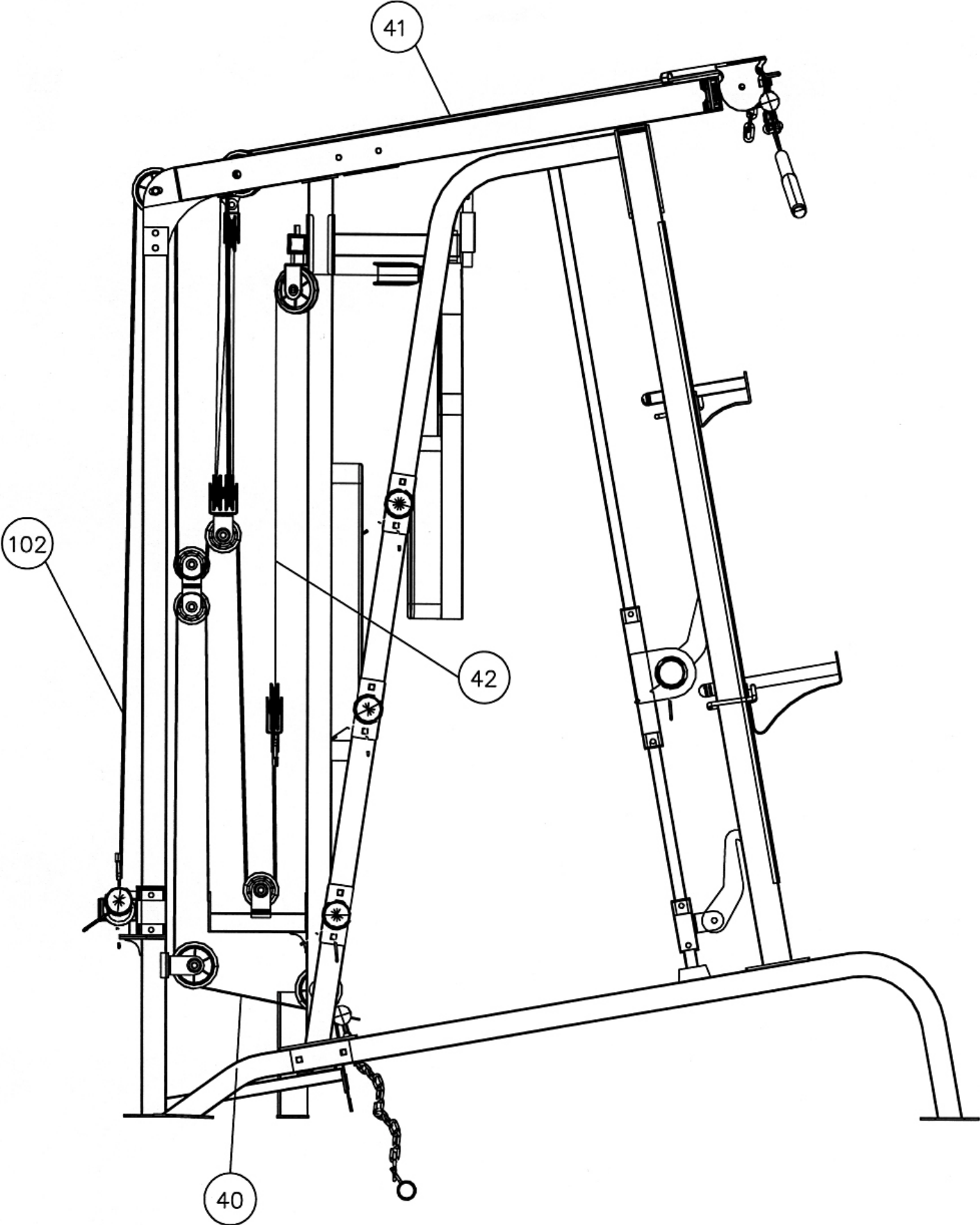


STEP 6 (See Diagram 6)

- A.) Securely tighten all Nuts and Bolts previously installed.
- B.) Attach the Butterfly Base (#12) to the front of Rear Vertical Beam (#6). Attach the Butterfly Pulley Bracket (#13) to the back of the Rear Vertical Beam. Align the holes. Secure them with two M10 x 2 3/4" Carriage Bolts (#75), Ø 3/4" Washers (#66), and M10 Aircraft Nuts (#86).
- C.) Attach the Right Butterfly (#11) to the hole on the Butterfly Base. Secure it with one Lock Ring (#56), Ø 1 1/2" Washer (#67), M6 x 1 1/4" Allen Bolt (#83), and M6 Aircraft Nut (#85).
- D.) Attach the Butterfly Arm Pad (#39) to the Right Butterfly. Secure it with two M8 x 2 1/2" Allen Bolts (#80) and Ø 5/8" Washers (#65).
- E.) Repeat Procedures C and D above to install the other side.
- F.) Insert two Swivel Pulley Brackets (#20) into the holes on the Butterfly Pulley Bracket (#13). Secure each Swivel Pulley Bracket with one Ø 3/4" Washer (#66) and M10 Aircraft Nut (#86). Do not over tighten the Nuts. Make sure the Brackets are able to swivel.

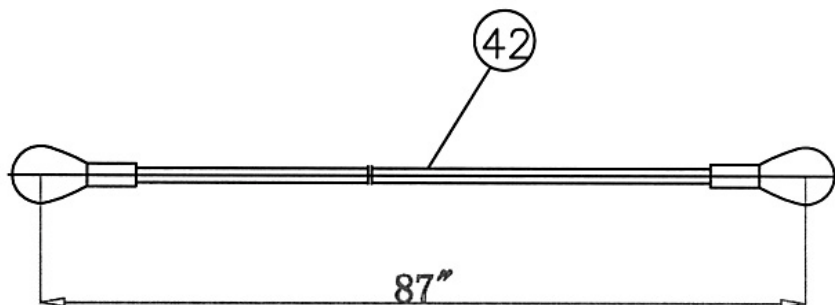
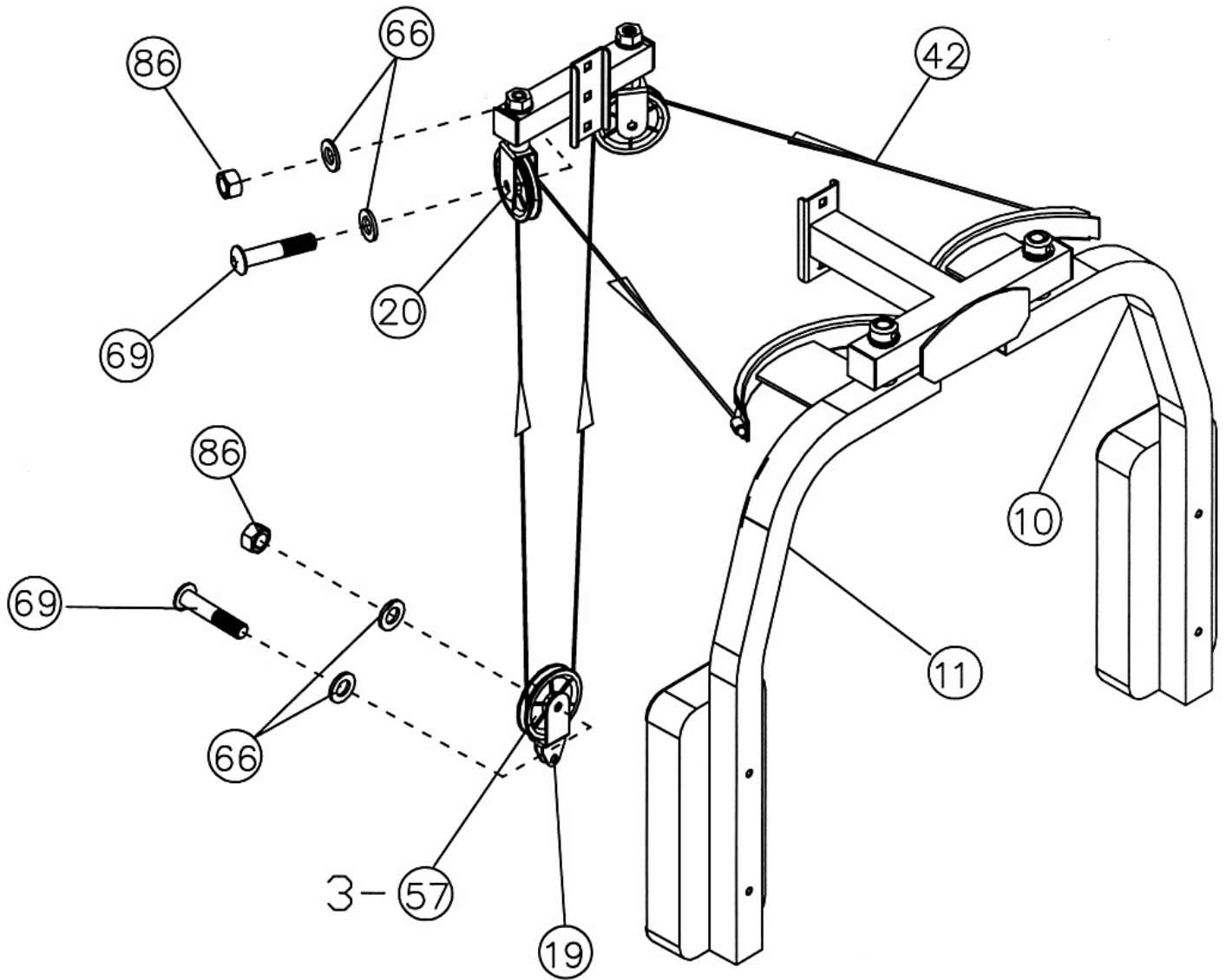


CABLE LOOP DIAGRAM



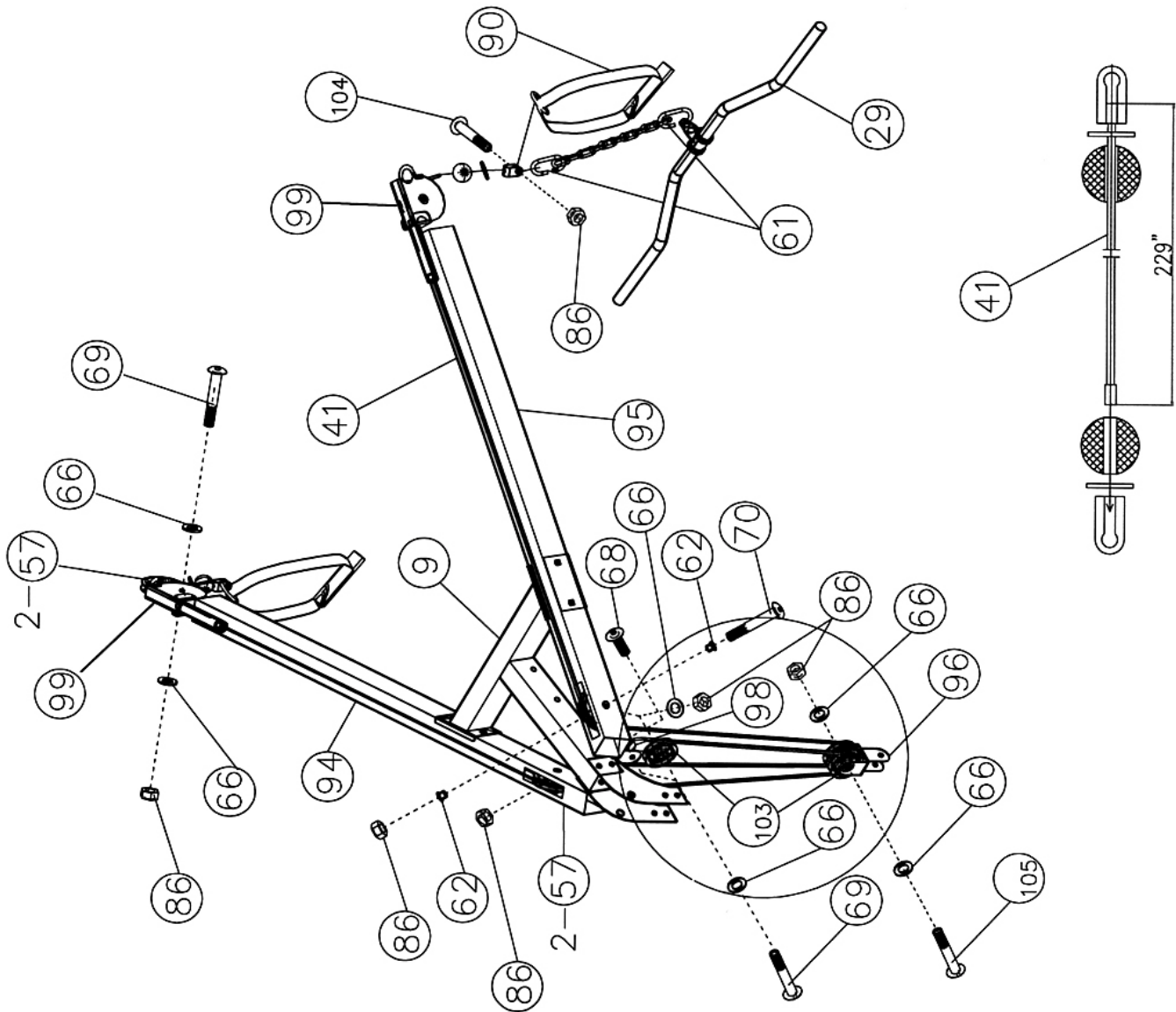
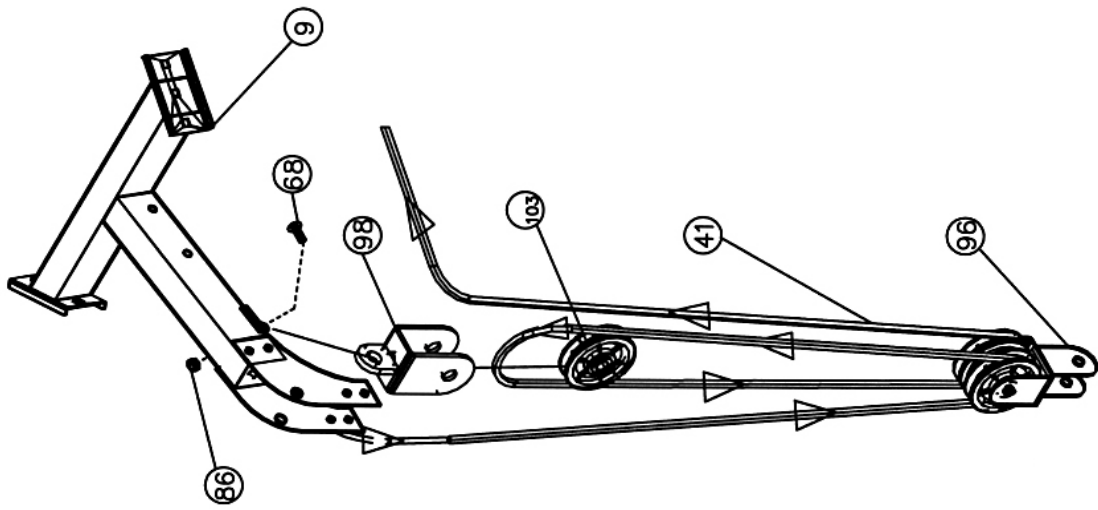
STEP 7 (See Diagram 7 & Cable Loop Diagram)

- A.) Attach one end of 87" Butterfly Cable (#42) to the clip on Right Butterfly (#11). Draw the Cable to the right Swivel Pulley Bracket (#20).
- B.) Attach a Pulley (#57) to the Bracket. Secure it with one M10 x 1 3/4" Allen Bolt (#69), two Ø 3/4" Washers (#66), and one M10 Aircraft Nut (#86).
- C.) Draw the Cable around the Pulley then downward. Attach a Single Floating Pulley Bracket (#19) to the Cable. Repeat Procedure B above to install a Pulley. Let the Bracket hanging for now.
- D.) Draw the Cable around the Pulley then upward to the left Swivel Pulley Bracket. Repeat Procedure B above to install a Pulley to the Bracket.
- E.) Draw the Cable around the Pulley then clip to the Left Butterfly (#10).



STEP 8 (See Diagram 8 & Cable Loop Diagram)

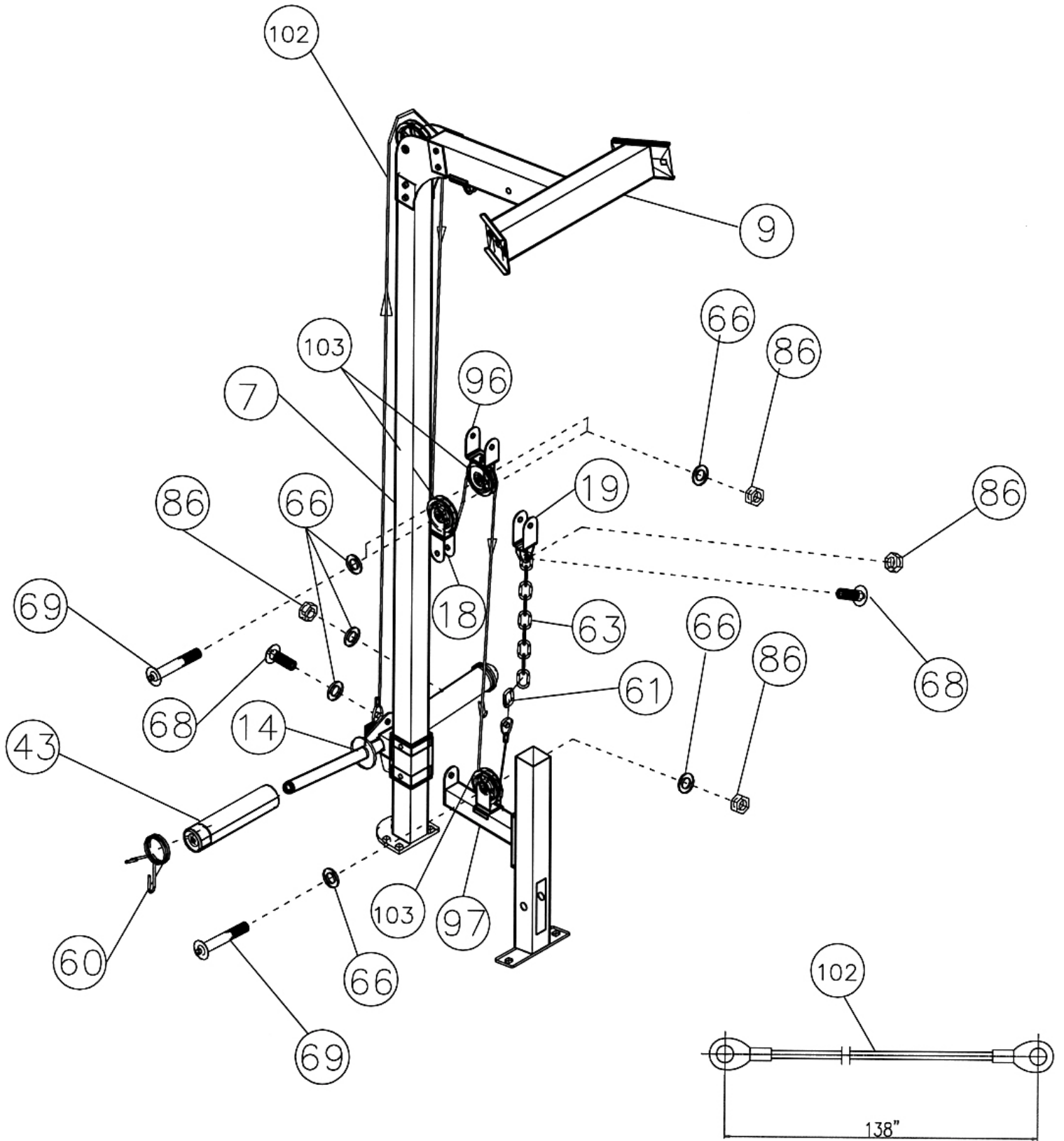
- A.) Un-install the M10 x 1 1/8" Allen Bolt (#104) and M10 Aircraft Nut (#86) on the U-shaped Connector on one end of the 229" Cable (41). Remove the U-shaped Connector, Big Washer, and Ball Stopper from the Cable.
- B.) Insert the end of Cable through the left Cross-over Swivel Pulley Bracket (#99). Attach a Pulley (#57) to the Swivel Bracket and secure it with one M10 x 1 3/4" Allen Bolt (#69), two Ø 3/4" Washers (#66), and one M10 Aircraft Nut (#86). Draw the Cable over the Pulley and pull it towards the back of the machine.
- C.) Draw the Cable along the Left Upper Frame (#94) to the opening on the rear of the Frame. Drop the cable through the opening.
- D.) Attach a Pulley to the opening. Secure it with one M10 x 2 1/2" Allen Bolt (#70), two Pulley Bushings (#62), and one M10 Aircraft Nut (#86). Draw the Cable around the Pulley then downward.
- E.) Attach two Small Pulleys (#103) to the Triple Floating Pulley Bracket (#96). Secure them to the Bracket with one M10 x 2 3/4" Allen Bolt (#105), two Ø 3/4" Washers (#66), and one M10 Aircraft Nut (#86).
- F.) Draw the Cable around the back Pulley then upward to the bracket underneath the Rear Upper Frame (#9). Install a Single Small Pulley Bracket (#98) to the bottom of Rear Upper Frame (#9). Secure it with one M10 x 1" Allen Bolt (#68), two Ø 3/4" Washers (#66), and one M10 Aircraft Nut (#86). Install a Small Pulley to the Single Small Pulley Bracket.
- G.) Draw the Cable around the Small Pulley then downward to the Triple Floating Pulley Bracket. Draw the Cable around the front Small Pulley then upward to the opening on the rear of Right Upper Frame (#95). Let the Triple Floating Pulley Bracket hanging for now.
- H.) Install a Pulley to the opening. Draw the Cable over the Pulley along the top of the Right Upper Frame through the cable sleeve to the right Cross-over Swivel Pulley Bracket. Install a Pulley to the Bracket.
- I.) Re-install the Ball Stopper, Big Washer and the U-shaped Connector previously removed in Procedure A above. Secure it with the M10 x 1 1/8" Allen Bolt (#104) and M10 Aircraft Nut (#86).
- J.) Connect a Single Handle Strap (#90) to each end of the Cable with a C-clip (#61).
- K.) When using the Lat Bar, remove one of the Strap and connect the Lat Bar to end of the Cable with a Short Chain (#63) and two C-clips (#61).



STEP 9 (See Diagram 9 & Cable Loop Diagram)

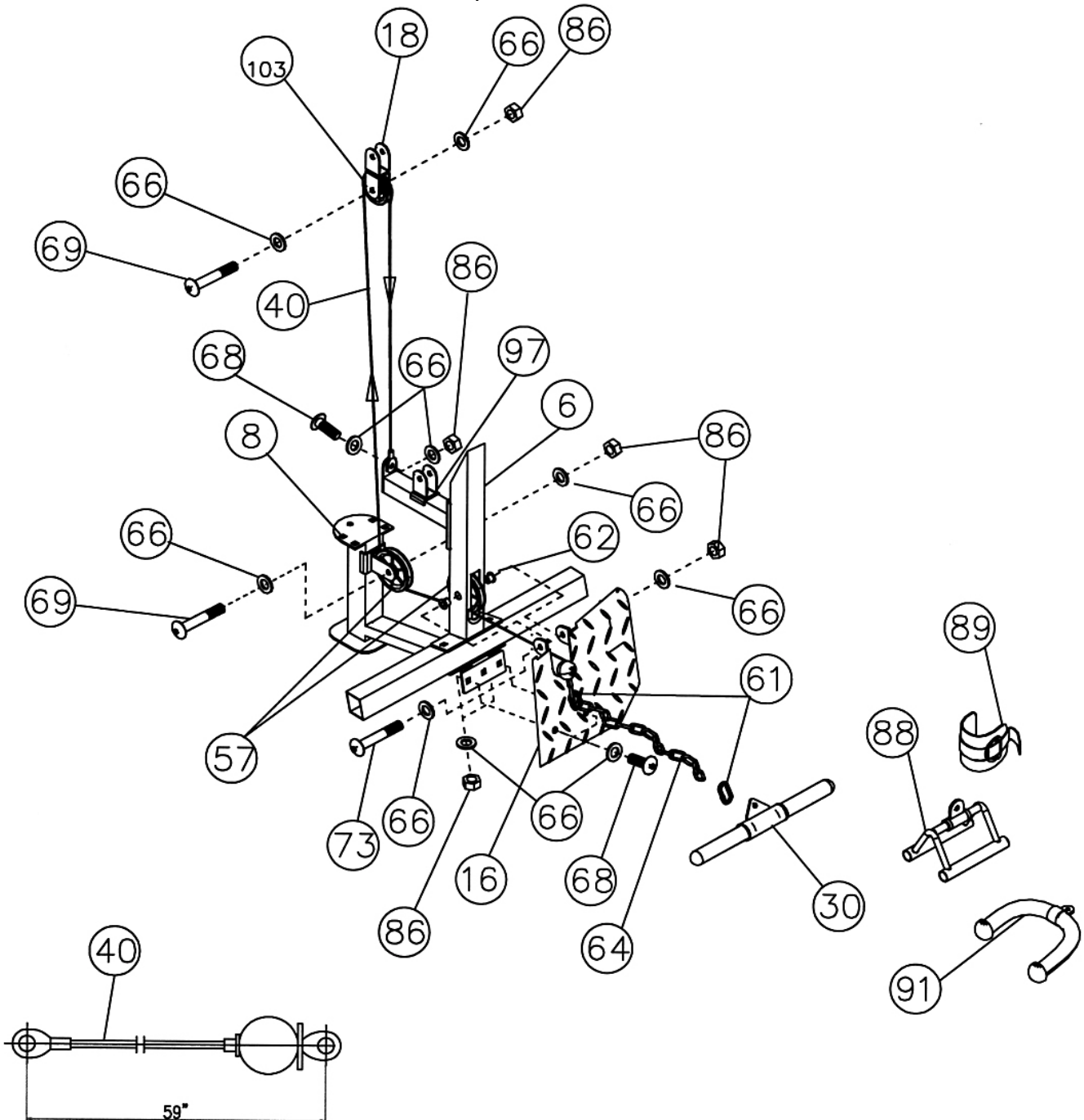
- A.) Attach one end of the 138" Sliding Weight Post Cable (#102) to the open bracket on the Sliding Weight Post (#14). Secure it with one M10 x 1" Allen Bolt (#68), two Ø ¾" Washers (#66), and one M10 Aircraft Nut (#86).
- B.) Draw the Cable upward to the Pulley on the top of the Rear Upper Frame (#9) previously installed in Step-5.
- C.) Draw the Cable around the Pulley then downward. Install a Small Pulley (#103) to a Double Floating Pulley Bracket (#18).
- D.) Draw the Cable around the Pulley then to the Triple Floating Pulley Bracket (#96) previously installed in Step-8.
- E.) Install a Small Pulley to the Bracket. Draw the Cable around the Small Pulley then downward to the open bracket on the Pulley Support Frame (#97).
- F.) Install a Small Pulley to the bracket. Draw the Cable around the Small Pulley then upward.
- G.) Connect the Cable to a Short Chain (#63) with a C-clip (#61). Connect the Short Chain to the Single Floating Pulley Bracket (#19) previously installed in Step-7. Secure the Chain with one M10 x 1" Allen Bolt (#68), two Ø ¾" Washers (#66), and one M10 Aircraft Nut (#86).
- H.) After completing the entire cable installations, come back to this Short Chain to adjust the tension of the Cable system by adjusting the length of the Chain.
- I.) Install two Olympic Sleeves (#43) and Spring Clips (#60) onto the Sliding Weight Post (#14).

DIAGRAM 9



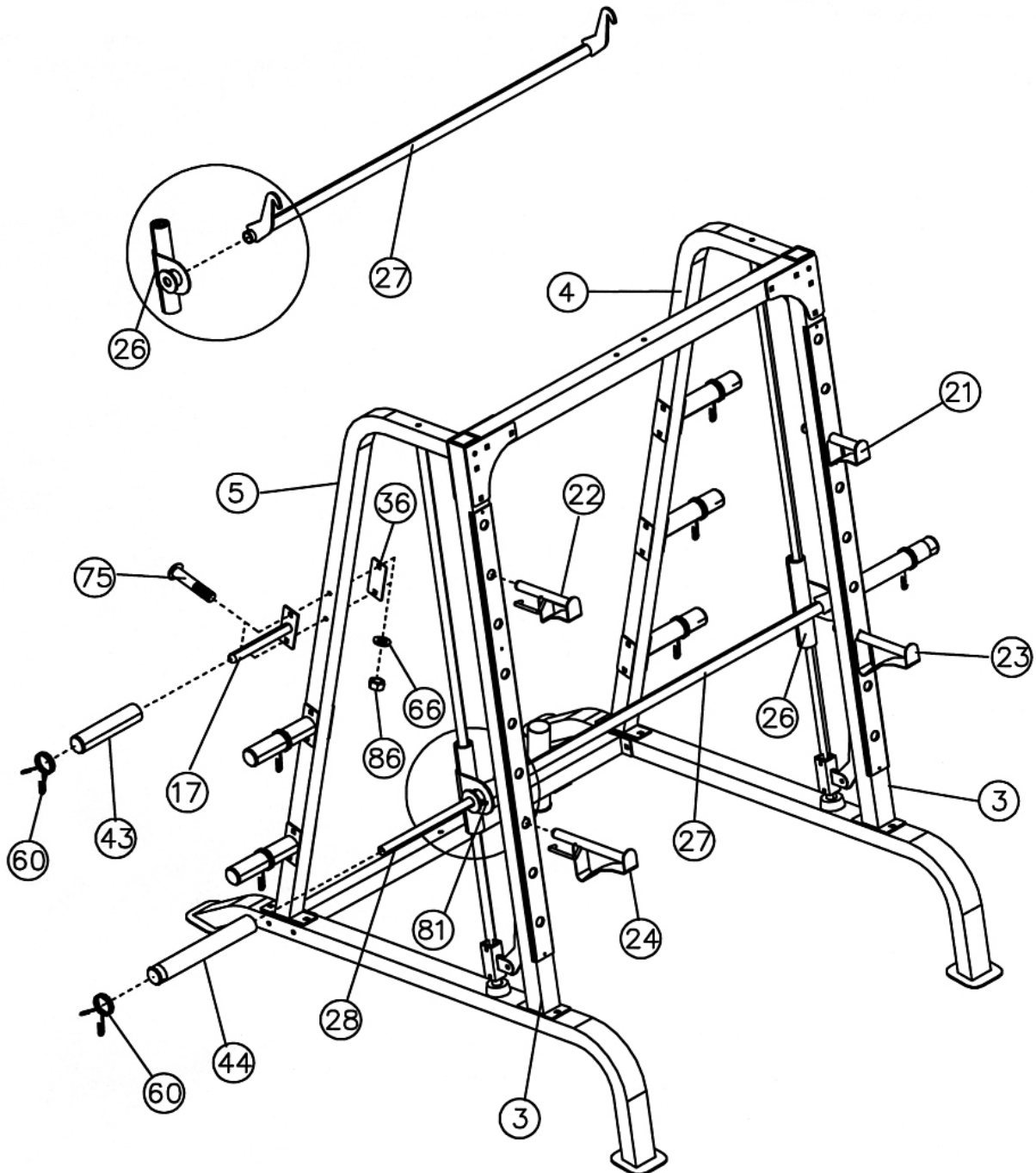
STEP 10 (See Diagram 10)

- A.) Attach the 59" Lower Cable (#40) to a Pulley (#57). Attach the Pulley to the lower opening on the Rear Vertical Beam (#6). Secure it with the Foot Plate (#16), one M10 x 3 3/8" Allen Bolt (#73), two Ø 3/4" Washers (#66), and one M10 Aircraft Nut (#86). Secure the Foot Plate to the Cross Brace (#2) with two M10 x1" Allen Bolts (#68), four Ø 3/4" Washers (#66) and two M10 Aircraft Nuts (#86).
- B.) Draw the Cable underneath the Pulley to the open bracket on the Weight Glide Base (#8).
- C.) Install a Pulley to the bracket. Draw the Cable around the Pulley then upward to the Double Floating Pulley Bracket (#18) previously installed in Step-9.
- D.) Install a Small Pulley (#103) to the Bracket. Draw the Cable around the Pulley then downward to the open bracket on the Pulley Support Frame (#97). Secure the end of the Cable to the bracket with one M10 x 1" Allen Bolt (#68), two Ø 3/4" Washers (#66) and one M10 Aircraft Nut (#86).
- E.) Connect the Shiver Bar (#30) to a Long Chain (#64) with a C-clip (#61). Connect the long Chain to the Cable with another C-clip (#61).

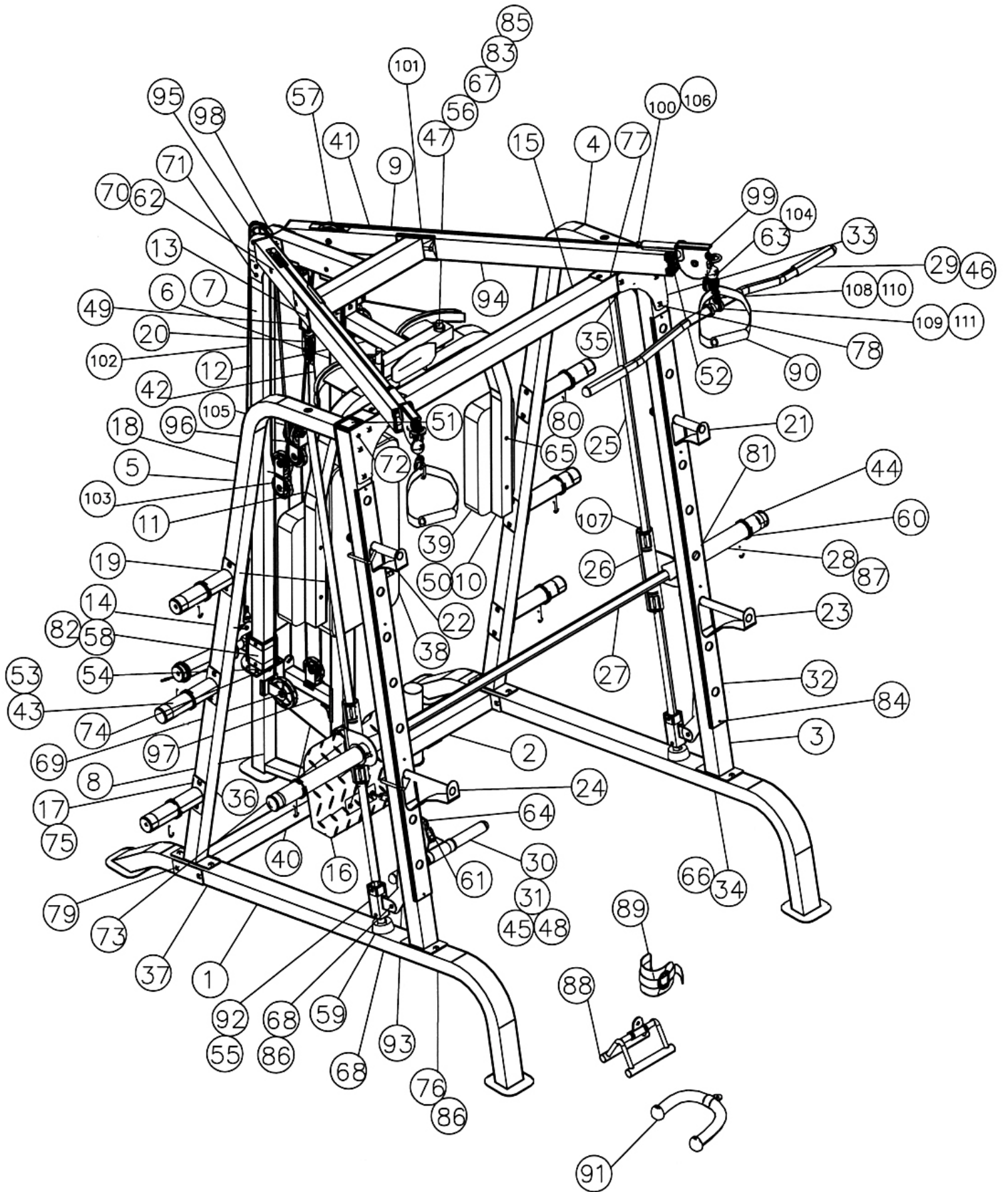


STEP 11 (See Diagram 11)

- A.) NOTE: Help of another person is strongly recommended for this step. Place the Lifting Sleeve (#27) in between the two Safety Stop Frames (#26). Align the holes. Insert the Weight Bar (#28) into the Safety Stop Frame from one end and through the Lifting Sleeve (#27) to the other Safety Stop Frame on the opposite side. Secure the Weight Bar to each Safety Stop Frame with a M8 x 3/8" Allen Bolt (#81).
- B.) Turn the safety catch hook forward on the Lifting Sleeve to secure its position on the selected holes on the Front Vertical Frames (#3). Attach a Long Olympic Sleeve (#44) to each end of the Weight Bar. Attach a Spring Clip (#60) to the Sleeve.
- C.) Attach six Weight Posts (#17) to the Left & Right Vertical Frames (#4&5). Secure each Weight Post with two M10 x 2 3/4" Carriage Bolts (#75), one 4 3/4" x 2" Bracket (#36), two Ø 3/4" Washers (#66), and two M10 Aircraft Nuts (#86).
- D.) Attach six Olympic Sleeves (#43) to the Weight Posts. Attach Spring Clips (#60) to the sleeves. Insert the Left & Right Bar Holders (#21 & 22), the Left & Right Safety Catches (#23 & 24) into the selected holes on the Front Vertical Frames (#3).



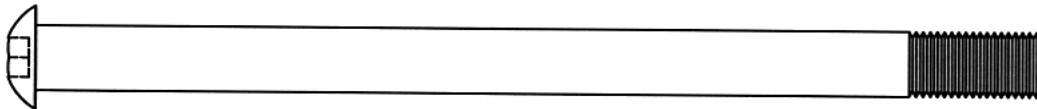
EXPLODED DIAGRAM



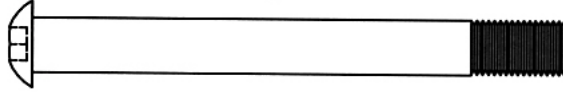
PARTS LIST

KEY NO.	DESCRIPTION	Q'ty		DESCRIPTION	Q'ty
1	Base Frame	2	55	Sliding Sleeve	4
2	Cross Brace	1	56	Lock Ring	2
3	Front Vertical Beam	2	57	Pulley	10
4	Left Vertical Frame	1	58	Ø 1 ¾" Rubber Bumper	1
5	Right Vertical Frame	1	59	Ø 2 ½" Rubber Bumper	2
6	Rear Vertical Beam	1	60	Spring Clip	10
7	Weight Glide Post	1	61	C-clip	5
8	Weight Glide Base	1	62	Pulley Bushing	6
9	Rear Upper Frame	1	63	Short Chain	2
10	Left Butterfly	1	64	Long Chain	1
11	Right Butterfly	1	65	Ø 5/8" Washer	6
12	Butterfly Base	1	66	Ø ¾" Washer	100
13	Butterfly Pulley Bracket	1	67	Ø 1 ½" Washer	2
14	Sliding Weight Post	1	68	M10 x 1" Allen Bolt	12
15	Front Top Beam	1	69	M10 x 1 ¾" Allen Bolt	11
16	Foot Plate	1	70	M10 x 2 ½" Allen Bolt	2
17	Weight Post	6	71	M10 x 3" Allen Bolt	2
18	Double Floating Pulley Bracket	1	72	M10 x 3 1/8" Allen Bolt	2
19	Single Floating Pulley Bracket	1	73	M10 x 3 3/8" Allen Bolt	2
20	Swivel Pulley Bracket	2	74	M10 x 1" Carriage Bolt	4
21	Left Bar Holder	1	75	M10 x 2 ¾" Carriage Bolt	22
22	Right Bar Holder	1	76	M10 x 3" Carriage Bolt	10
23	Left Safety Catch	1	77	M10 x 3 1/8" Carriage Bolt	4
24	Right Safety Catch	1	78	M10 x 3 3/8" Carriage Bolt	8
25	Guide Rod	2	79	M10 x 3 ½" Carriage Bolt	4
26	Safety Stop Frame	2	80	M8 x 2 ½" Allen Bolt	6
27	Lifting Sleeve	1	81	M8 x 3/8" Allen Bolt	8
28	Weight Bar	1	82	M6 x 5/8" Philips Screw	1
29	Lat Bar	1	83	M6 x 1 ¼" Allen Bolt	2
30	Shiver Bar	1	84	Steel Rivet	8
31	Curl Handle	1	85	M6 Aircraft Nut	2
32	Chrome Panel	2	86	M10 Aircraft Nut	82
33	Triangle Bracket	2	87	Ø 1" End Cap	6
34	5 1/8" x 2 ¾" Bracket	2	88	V Bar	1
35	5 1/8" x 2 3/8" Bracket	2	89	Ankle Strap	1
36	4 ¾" x 2" Bracket	9	90	Single Handle Strap	2
37	6 ¼" x 2" Bracket	2	91	Triceps Rope	1
38	Backrest Board	1	92	Lower Safety Stop Frame	2
39	Butterfly Arm Pad	2	93	Safety Hook	2
40	59" Lower Cable	1	94	Left Upper Frame	1
41	229" Upper Cable	1	95	Right Upper Frame	1
42	87" Butterfly Cable	1	96	Triple Floating Pulley Bracket	1
43	Olympic Sleeve	8	97	Pulley Support Frame	1
44	Long Olympic Sleeve	2	98	Single Small Pulley Bracket	1
45	Curl Bar Handle Grip	2	99	Cross-Over Swivel Pulley Bracket	2
46	Lat Bar Grip	2	100	Ø 7/8" x Ø 5/8" Bushing	2
47	Ø 1" x 3 1/8" Bushing	2	101	4 ¾" x 2 ¾" Bracket	2
48	Ø 1 ½" x 1" Bushing	2	102	138" Sliding Weight Post Cable	1
49	1 ½" Square End Cap	2	103	Small Pulley	7
50	1 ¾" Square End Cap	7	104	M10 x 1 1/8" Allen Bolt	2
51	2 3/8" Square End Cap	2	105	M10 x 2 ¾" Allen Bolt	1
52	2 ¾" x 2" End Cap	2	106	M6 x ¼" Allen Screw	4
53	Ø 1" End Cap	12	107	Linear Bearing	4
54	2 3/8" x 2" Sleeve	2	108	Rotating Bar Handle	1
			109	Plastic Ring	2
			110	Ø 1 ½" Bar Handle Bushing	2
			111	Aluminum Rivet	4

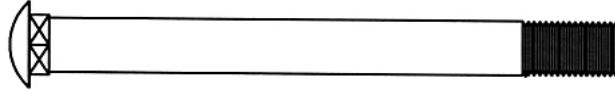
MULTI-PURPOSE BENCH HARDWARE PACK



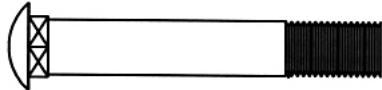
#39 M12 x 6 $\frac{3}{4}$ " Allen Bolt (Qty 1)



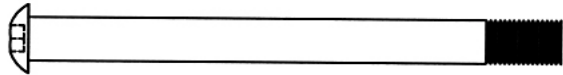
#40 M10 x 3 $\frac{5}{8}$ " Allen Bolt (Qty 1)



#37 M10 x 4" Carriage Bolt (Qty 2)



#38 M10 x 2 $\frac{3}{8}$ " Carriage Bolt (Qty 2)



#42 M8 x 3 $\frac{5}{8}$ " Allen Bolt (Qty 1)



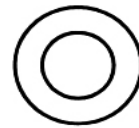
#43 M8 x 1 $\frac{5}{8}$ " Allen Bolt (Qty 4)



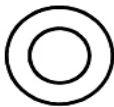
#44 M8 x 1 $\frac{3}{8}$ " Allen Bolt (Qty 8)



#45 M8 x $\frac{5}{8}$ " Allen Bolt (Qty 2)



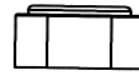
#47 \varnothing 1" Washer (Qty 2)



#48 \varnothing $\frac{3}{4}$ " Washer (Qty 8)



#49 \varnothing $\frac{5}{8}$ " Washer (Qty 20)



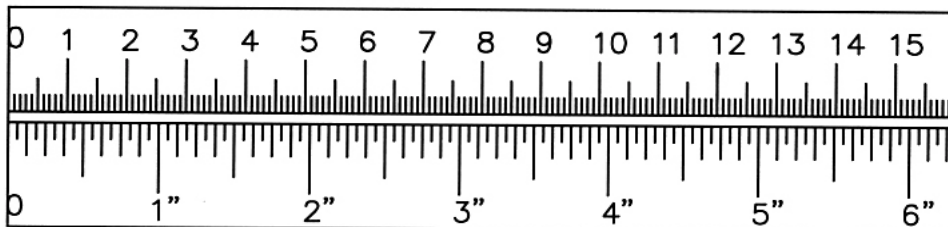
#50 M12 Aircraft Nut (Qty 1)



#51 M10 Aircraft Nut mm (Qty 6)



#52 M8 Aircraft Nut (Qty 5)



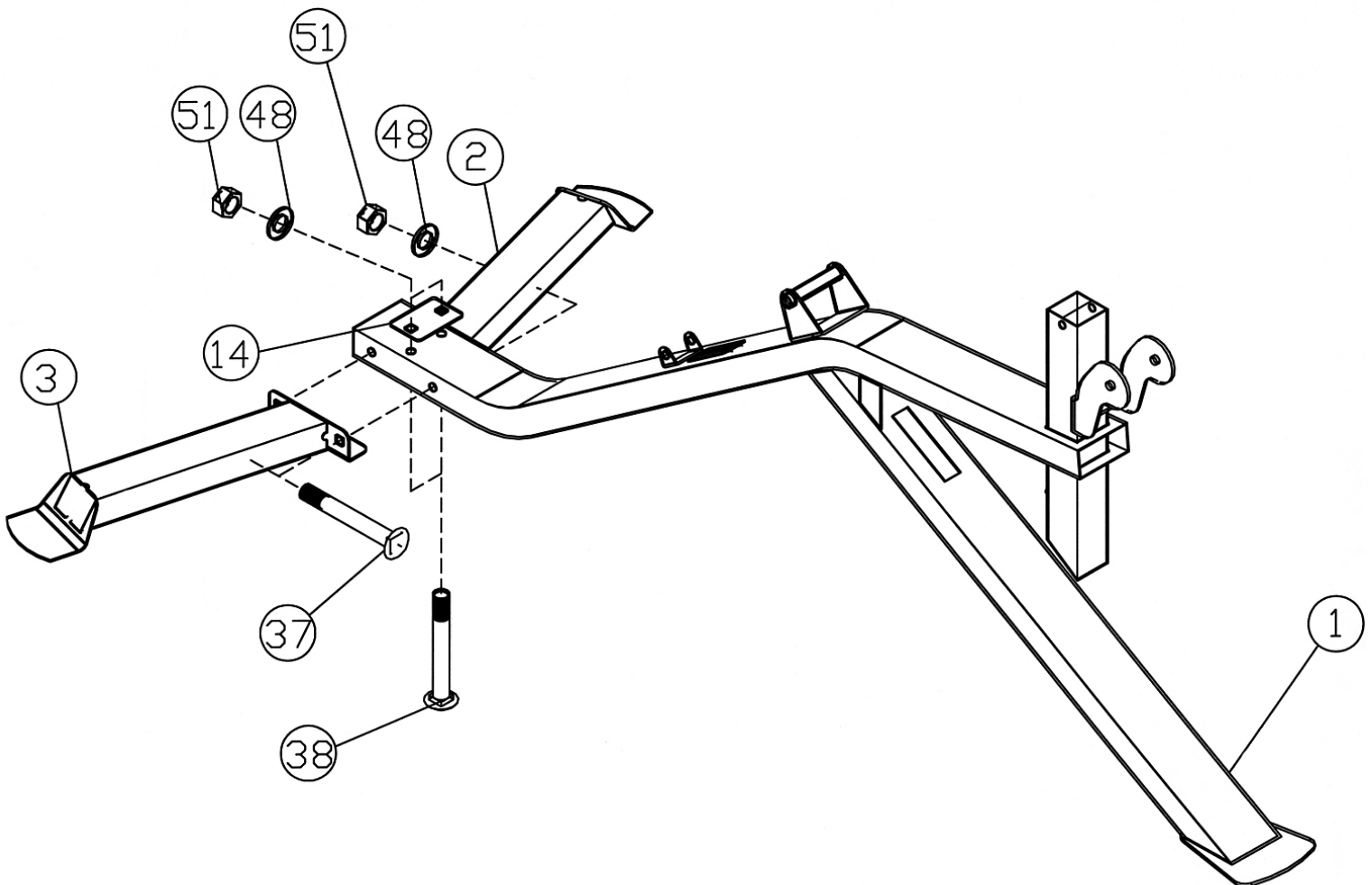
MULTI-PURPOSE BENCH ASSEMBLY INSTRUCTION

Tools Required Assembling the Machine: Two Adjustable Wrenches and Allen Wrenches. NOTE: It is strongly recommended this machine be assembled by two or more people to avoid possible injury.

STEP 1 (See Diagram 1)

- A.) Attach the Left & Right Rear Stabilizers (#2 & #3) to the rear end of Main Frame (#1).
- B.) Secure them together with two M10 x 2 3/8" Carriage Bolts (#38) from the Bottom, two M10 x 4" Carriage Bolts (#37) from the side, four Ø 3/4" Washers (#48) and four M10 Aircraft Nuts (#51).

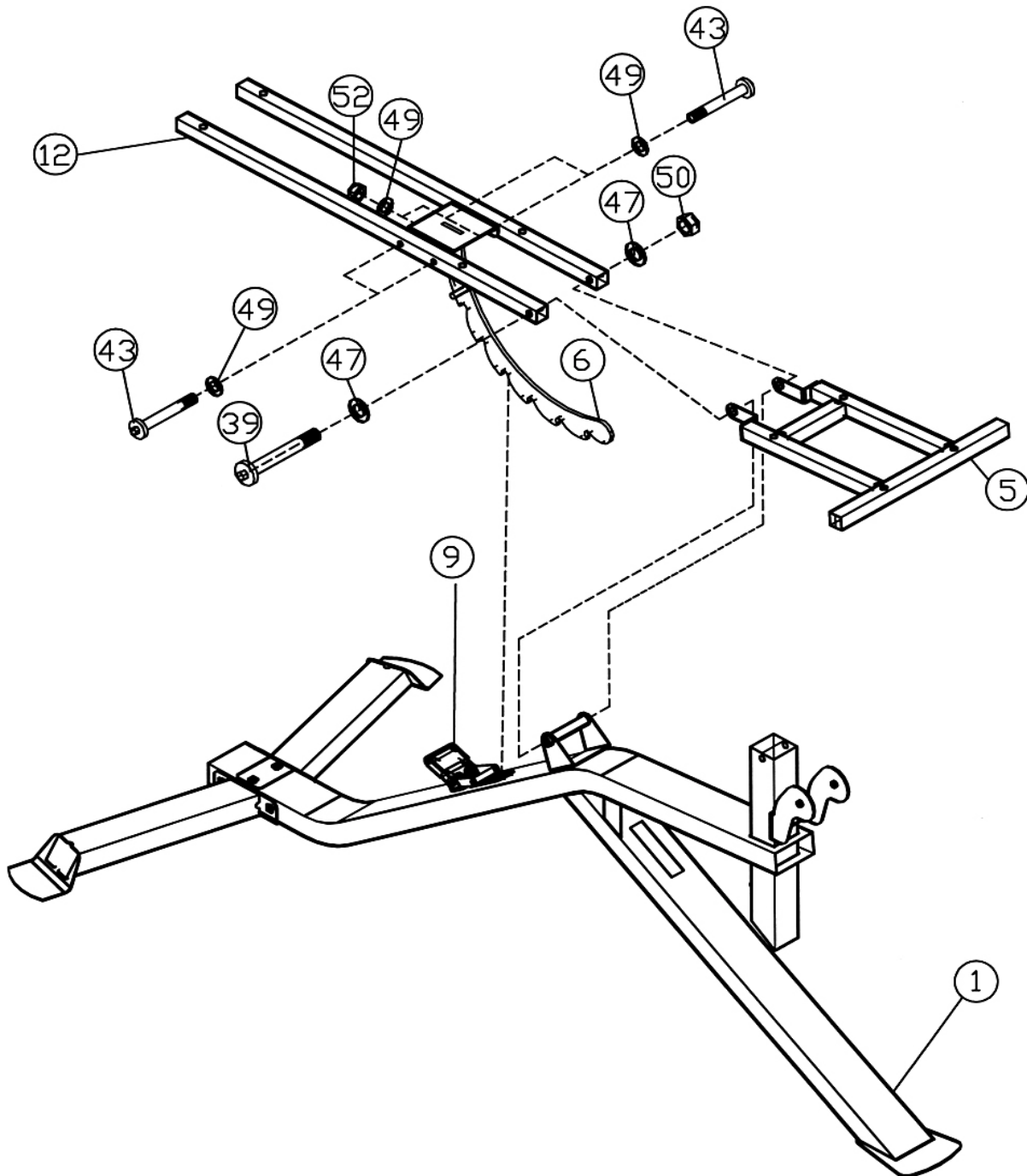
DIAGRAM 1



STEP 2 (See Diagram 2)

- A.) Align the bracket on the Backrest Adjustment Support (#6) in between the two Backrest Supports (#12). Secure them together with four M8 x 1 5/8" Allen Bolts (#43), eight Ø 5/8" Washers (#49), and four M8 Aircraft Nuts (#52). NOTE: Do not tighten the Nuts and Bolts yet.
- B.) Insert the Backrest Adjustment Support into the opening on the Main Frame. Press or Step down the Backrest Adjustment Lever (#9) to allow the Support to go through.
- C.) Attach Seat Bracket (#5) to the pivot on the Main Frame (#1). Attach the side holes on the Backrest Supports (#12) to the Seat Bracket.
- D.) Align the holes. Secure them together with one M12 x 6 3/4" Allen Bolt (#39), two Ø 1" Washers (#47), and one M12 Aircraft Nut (#50). Do not over tighten the Nut and Bolt. Make sure the Backrest Supports are able to swivel at the pivot.

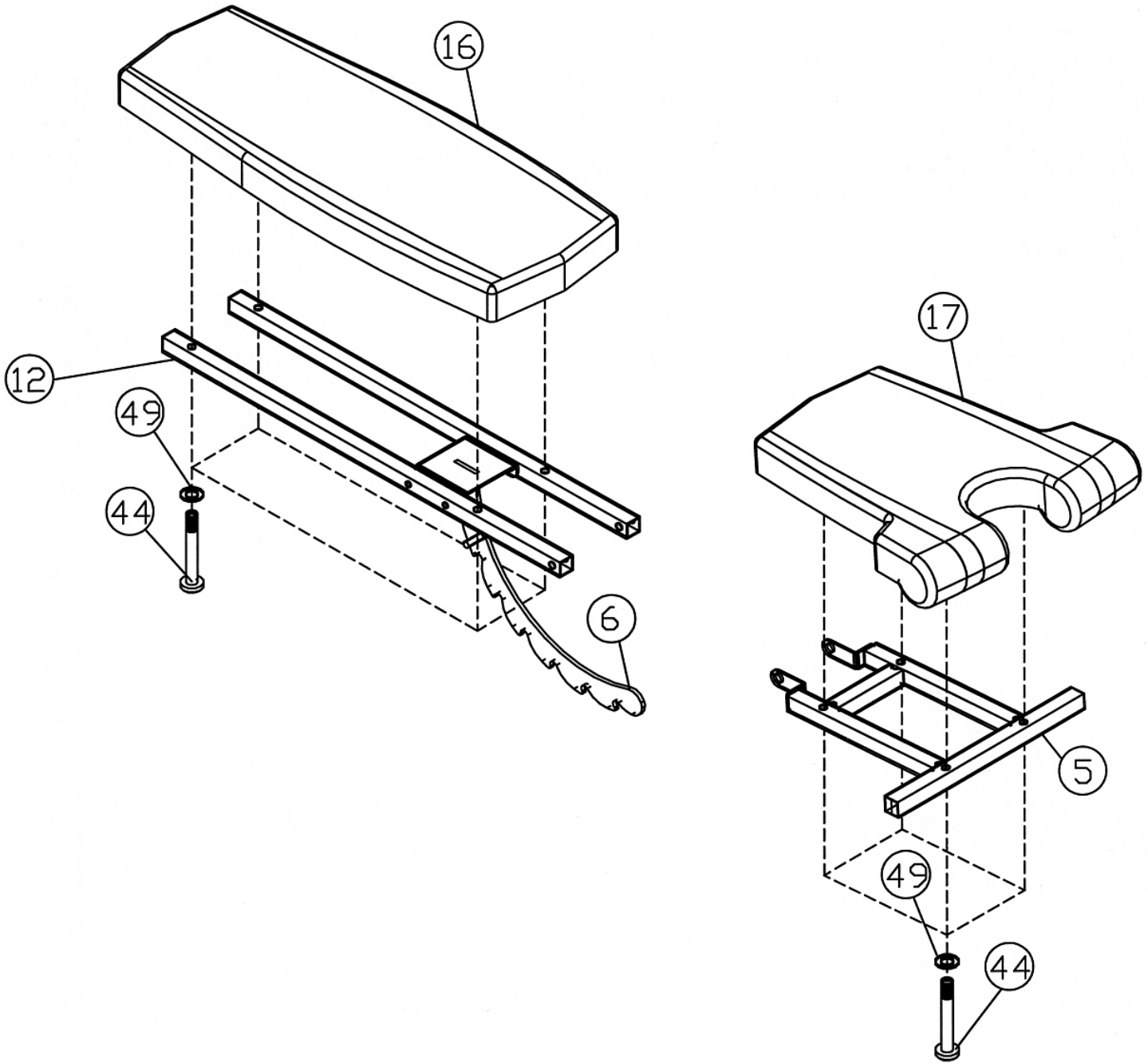
DIAGRAM 2



STEP 3 (See Diagram 3)

- A.) Place the Backrest Board (#16) onto the Backrest Supports (#12). Secure it with four M8 x 1 3/8" Allen Bolts (#44) and $\text{\O} 5/8$ " Washers (#49).
- B.) Place the Seat Pad (#17) onto the Seat Bracket (#5). Secure it with four M8 x 1 3/8" Allen Bolts (#44) and $\text{\O} 5/8$ " Washers (#49).
- C.) Securely tighten all Nuts and Bolts previously installed.

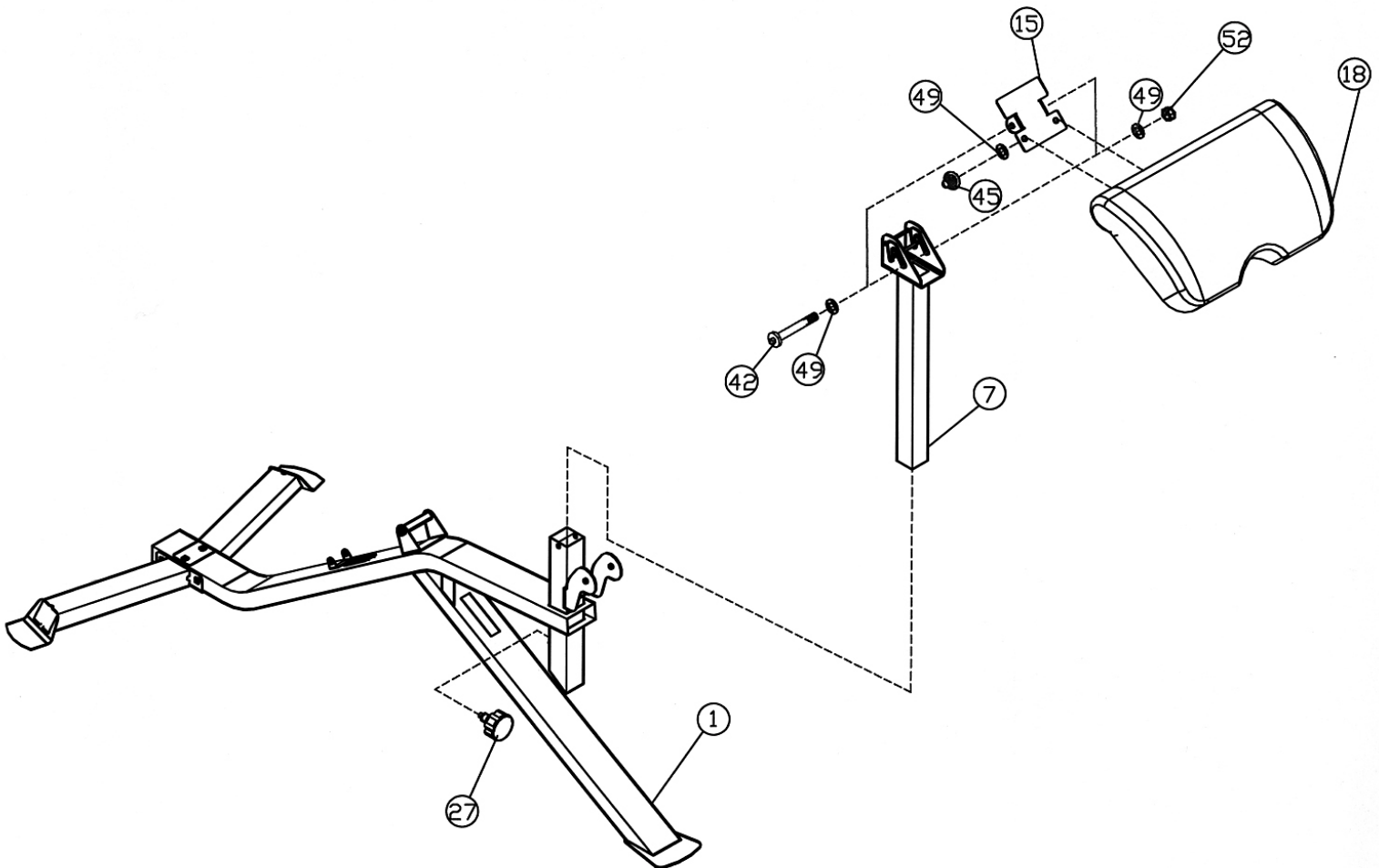
DIAGRAM 3



STEP 4 (See Diagram 4)

- A.) Attach the Arm Curl Bracket (#15) to the Arm Curl Pad (#18). Secure it with two M8 x 5/8" Allen Bolts (#45) and Ø 5/8" Washers (#49).
- B.) Attach the Arm Curl Bracket to the bracket on the Arm Curl Stand (#7). Insert the M8 x 3 5/8" Allen Bolt (#42) through the open track on the Arm Curl Stand and the holes on the Arm Curl Bracket then secure the Bolt with two Ø 5/8" Washers (#49) and one M8 Aircraft Nut (#52).
- C.) Do not over tighten the Nut and Bolt. The Bolt needs to be able to slide on the track freely.
- D.) Insert the Arm Curl Stand into the front opening on the Main Frame. Use a Lock Knob (#27) to hold the Arm Curl Stand at desired height.

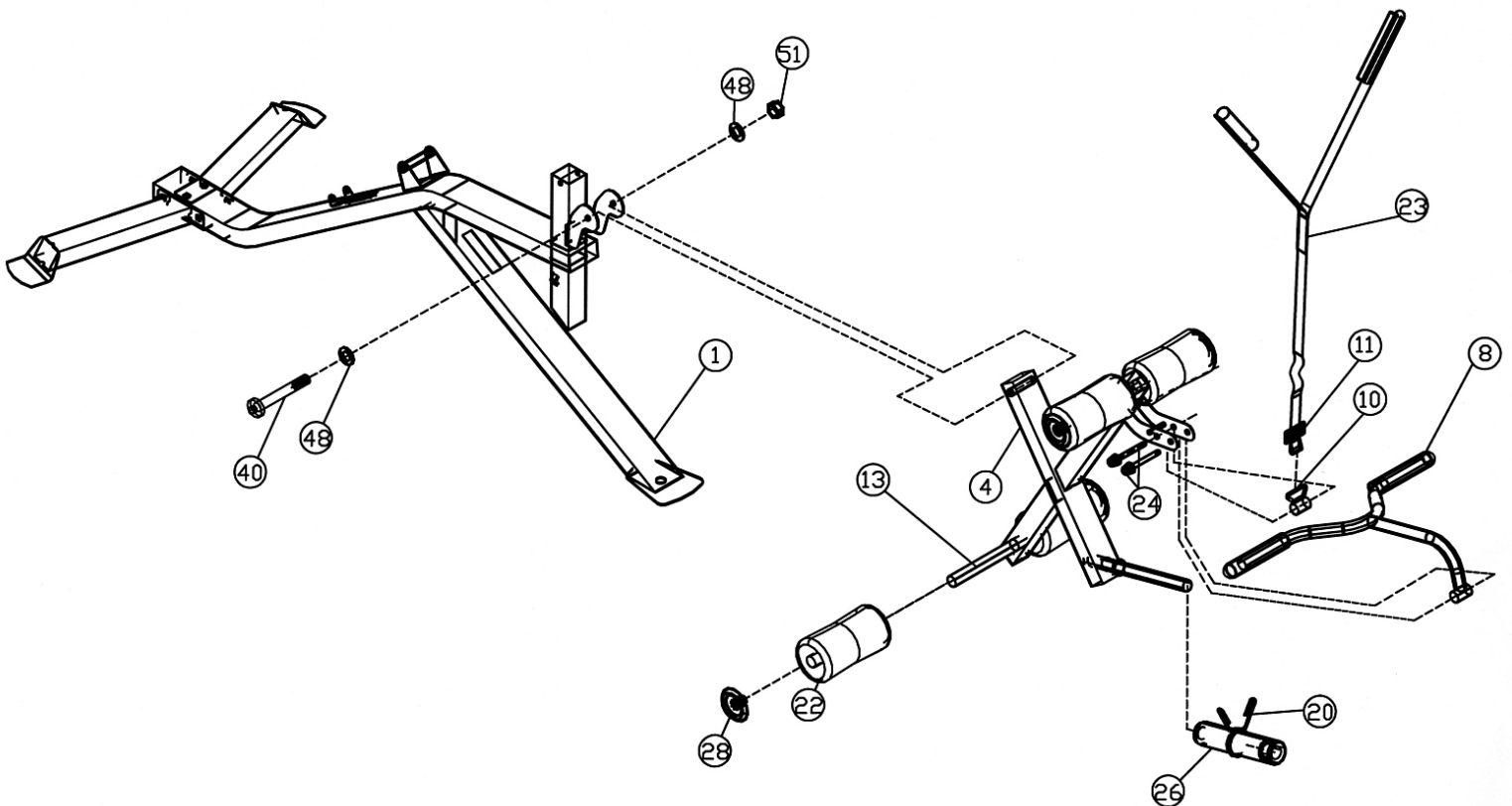
DIAGRAM 4



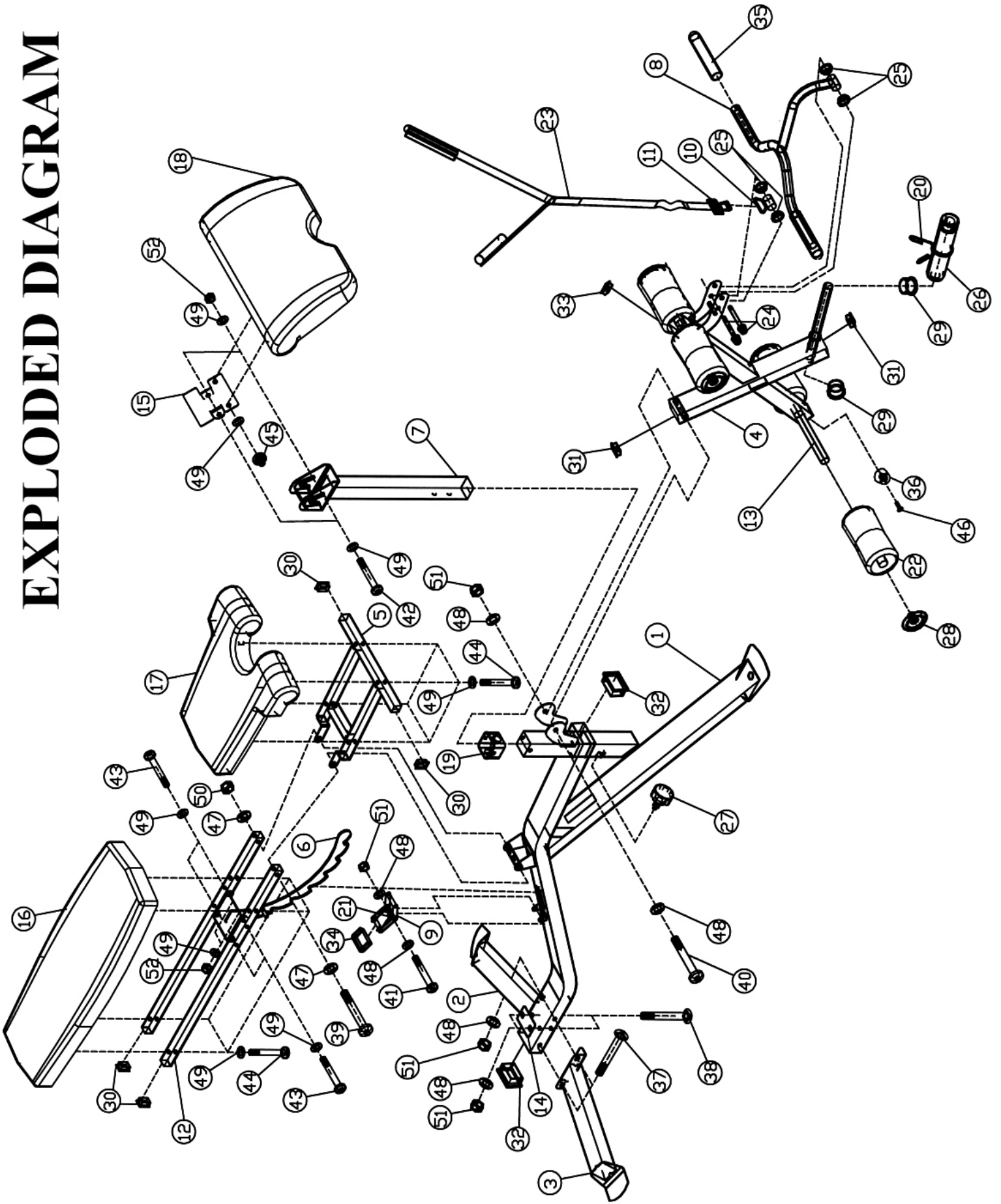
STEP 5 (See Diagram 5)

- A.) Attach the Leg Developer (#4) to the open bracket on the Main Frame (#1). Secure it with one M10 x 3 5/8" Allen Bolt (#40), two Ø 3/4" Washers (#48), and one M10 Aircraft Nut (#51). Do not over tighten the Nut and Bolt. Make sure the Leg Developer is able to swivel.
- B.) Insert two Foam Tubes (#13) halfway through the holes on the Leg Developer. Push four Foam Rolls (#22) onto the Tubes from both ends. Plug four Foam Roll End Caps (#28) into the ends of the Tubes.
- C.) Attach an Olympic Sleeve (#26) onto the weight post on the Leg Developer. Attach a Spring Clip (#20) onto the Sleeve.
- D.) Attach the Arm Curl Handle (#8) to the bracket on the Leg Developer. Secure it with one 3" Lock Pin (#24). Attach the Abdominal Strap (#23) to the front hole on the bracket. Secure it with another 3" Lock Pin.
- E.) Pull up and Flip the Arm Curl Pad along the track facing the back when doing Abdominal exercises using the Abdominal Strap.
- F.) Remove the Pins, Arm Curl Handle, and Abdominal Strap when using the Leg Developer to exercise.

DIAGRAM 5



EXPLODED DIAGRAM



MULTI-PURPOSE BENCH PARTS LIST

KEY NO.	DESCRIPTION	Q'ty
1	Main Frame	1
2	Left Rear Stabilizer	1
3	Right Rear Stabilizer	1
4	Leg Developer	1
5	Seat Bracket	1
6	Backrest Adjustment Support	1
7	Arm Curl Stand	1
8	Arm Curl Handle	1
9	Backrest Adjustment Lever	1
10	Abdominal Strap Connector	1
11	Strap Buckle	1
12	Backrest Support	2
13	Foam Tube	2
14	3" x 2" Bracket	1
15	Arm Curl Bracket	1
16	Backrest Board	1
17	Seat Pad	1
18	Arm Curl Pad	1
19	Sleeve	1
20	Spring Clip	1
21	Spring	1
22	Foam Roll	4
23	Abdominal Strap	1
24	3" Lock Pin	2
25	Ø 1" Bushing	4
26	Olympic Sleeve	1
27	Lock Knob	1
28	Foam Roll End Cap	4
29	Ø 1" End Cap	2
30	1" Square End Cap	4
31	2 3/8" x 1 5/8" End Cap	2
32	3 1/8" x 1 5/8" End Cap	2
33	1 3/4" End Cap	1
34	Spring Cover	1
35	6" Handle Grip	2
36	Rubber Bumper	1
37	M10 x 4" Carriage Bolt	2
38	M10 x 2 3/8" Carriage Bolt	2
39	M12 x 6 3/4" Allen Bolt	1
40	M10 x 3 5/8" Allen Bolt	1
41	M10 x 2 1/2" Allen Bolt	1
42	M8 x 3 5/8" Allen Bolt	1
43	M8 x 1 5/8" Allen Bolt	4
44	M8 x 1 3/8" Allen Bolt	8
45	M8 x 5/8" Allen Bolt	2
46	M6 x 5/8" Philips Screw	1
47	Ø 1" Washer	2
48	Ø 3/4" Washer	8
49	Ø 5/8" Washer	20
50	M12 Aircraft Nut	1
51	M10 Aircraft Nut	6
52	M8 Aircraft Nut	5

IVK-9020 WEIGHT RESISTANCE CHART

Station	Ratio	Example
Low Pulley	200%	10 lb. plate creates 20 lb. resistance
Lat Pull	100%	10 lb. plate creates 5 lb. resistance
Butterfly (both arms)	100%	10 lb. plate creates 10 lb. resistance
Left Cross-Over	50%	10 lb. plate creates 5 lb resistance
Right Cross-Over	50%	10 lb. plate creates 5 lb resistance

***Numbers are approximate. Actual resistance may vary.**

IMPEX[®] INC.

LIMITED WARRANTY

IMPEX Inc. ("IMPEX[®]") warrants this product to be free from defects in workmanship and material, under normal use and service conditions, for a period of two years on the Frame from the date of purchase. This warranty extends only to the original purchaser. IMPEX's obligation under this Warranty is limited to replacing or repairing, at IMPEX's option.

All returns must be pre-authorized by IMPEX. Pre-authorization may be obtained by calling IMPEX Customer Service Department at 1-800-999-8899. All freights on products returned to IMPEX must be prepaid by the customer. This warranty does not extend to any product or damage to a product caused by or attributable to freight damage, abuse, misuse, improper or abnormal usage or repairs not provided by an IMPEX authorized service center or for products used for commercial or rental purposes. No other warranty beyond that specifically set forth above is authorized by IMPEX.

IMPEX is not responsible or liable for indirect, special or consequential damages arising out of or in connection with the use or performance of the product or other damages with respect to any economic loss, loss of property, loss of revenues or profits, loss of enjoyments or use, costs of removal, installation or other consequential damages or whatsoever natures. Some states do not allow the exclusion or limitation of incidental or consequential damages. Accordingly, the above limitation may not apply to you.

The warranty extended hereunder is in lieu of any and all other warranties and any implied warranties of merchantability or fitness for a particular purpose is limited in its scope and duration to the terms set forth herein. Some states do not allow limitations on how long an implied warranty lasts. Accordingly, the above limitation may not apply to you.

This warranty gives you specific legal right. You may also have other rights which vary from state to state. Register on-line at www.impex-fitness.com

IMPEX[®] INC.
14777 Don Julian
City of Industry, CA 91746

ORDERING REPLACEMENT PARTS

Replacement parts can be ordered by calling our Customer Service Department toll-free at **1-800-999-8899** during our regular business hours: Monday through Friday, 9 am until 5 pm Pacific standard time.
info@impex-fitness.com

When ordering replacement parts, always give the following information.

1. Model
2. Description of Parts
3. Part Number
4. Date of Purchase