



# FE9708

## ABDUCTOR / ADDUCTOR

### OWNER'S MANUAL

**CAUTION!** Read all precautions and instructions in this manual before using this equipment.

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## CAUTION!

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

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Please assemble according to the actual **Weights** you buy !

# 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.

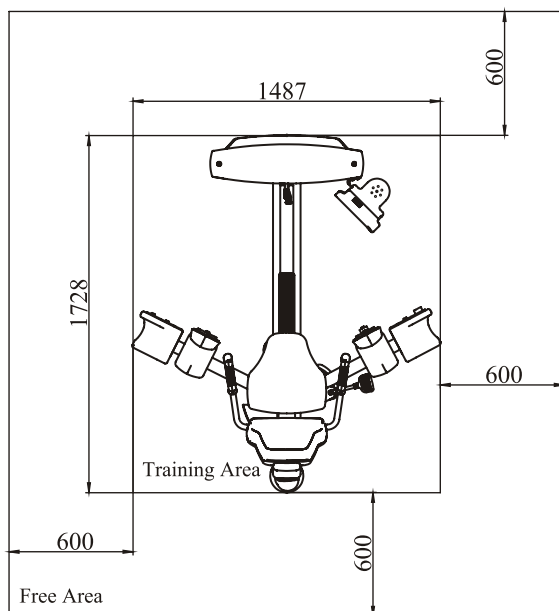
# Important Safety Instructions

## 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.

## Training Area and Free Area



## Specifications

Class: S

Maximum Wt. Capacity: 134kg/ 295lbs

Maximum User Weight: 150kg/ 330lbs

Product Total Surface: 1487\*1728mm

Product Total Mass: 165.8kg/ 366lbs

# 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



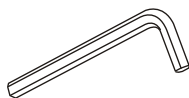
Ratchet Wrench and Socket



Adjustable Wrench



Rubber Mallet



Hex Key Wrench Set



Phillips Screwdriver

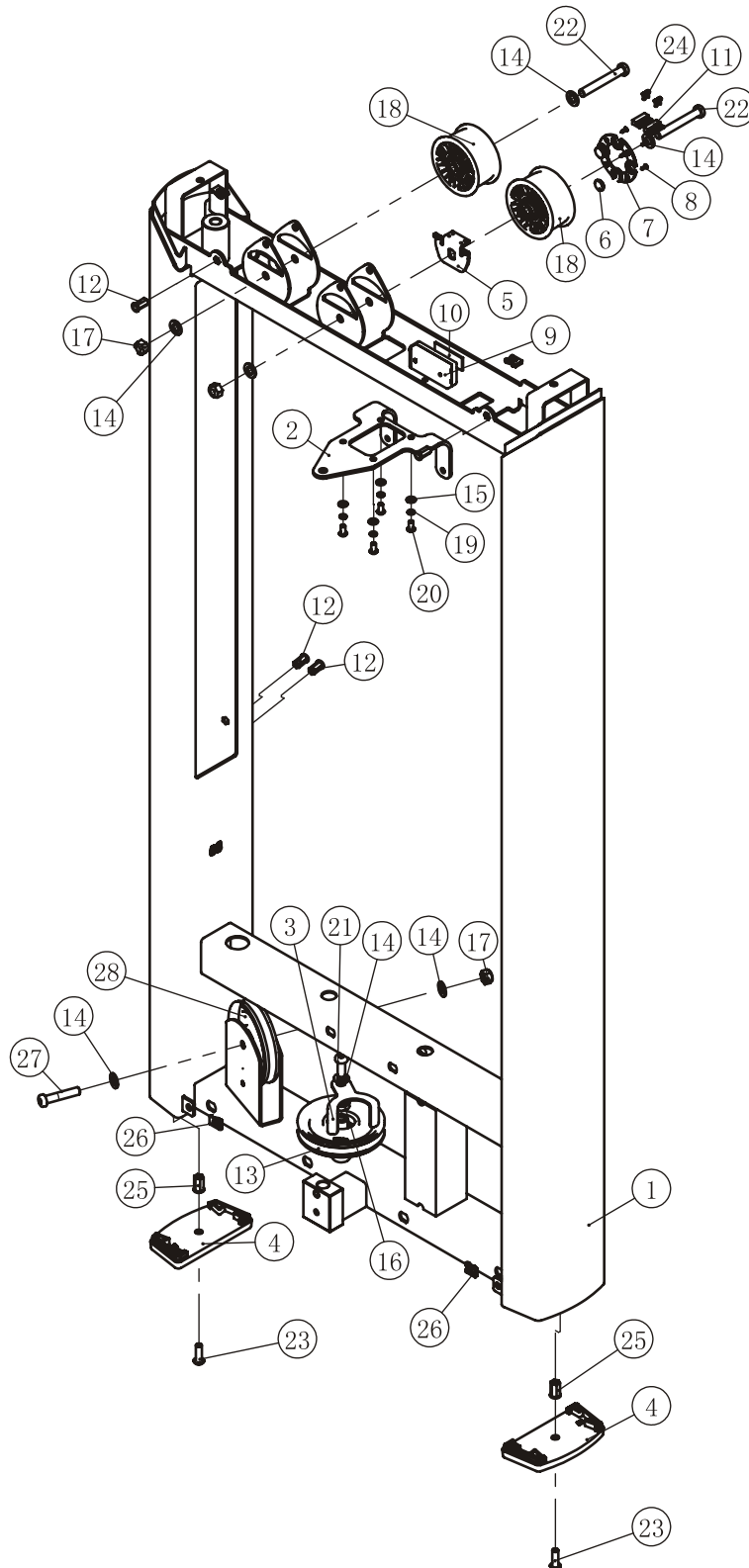
# Exploded View and Parts List

## Weight Stack Frame Assy

ItemNo.	Grade No.	Part No.	Description	QTY
1	1.1	FE97080100	Weight Stack Frame	1
2	1.2	FE97211200	Top clamping plate	1
3	1.3	CWRVL0014000	Limiting Plate	1
4	1.4	FE97011500	Foot Plate	2
5	1.5	FE97122000	Plate for Sensor	1
6	1.6	IE951814700	Magnetic Iron	2
7	1.7	FE97123000	Cover for Magnetic Iron	1
8	1.8	GB846ST2.9*9.5DS	Screw ST2.9*9.5	4
9	1.9	DQDCH02	Cell Box	1
10	1.10	SMJ20*1*1000	Double faced adhesive tape	0.1
11	1.11	DQCGQ01	Sensor	2
12	1.12	GB17880.5M6*16.5DS17	Rivet Nut M6	4
13	1.13	FE97123500	4.5" Pulleys	1
14	1.14	GB9510DN2	Flat Washer $\Phi 11*\Phi 20*2$	7
15	1.15	GB956DN2	Flat Washer $\Phi 6.6*\Phi 12*1.6$	4
16	1.16	FE97122100	Spacer1 $\Phi 22*\Phi 17.5*7.5$	1
17	1.17	NM10DN2	Nylon Lock Nut M10	3
18	1.18	FE97123900	Belt Pulley $\Phi 76$	2
19	1.19	GB936N19	Spring Washer $\Phi 6$	4
20	1.20	PNLM6*12DN20	Button Head Cap Screw M6*12	4
21	1.21	GB70BTM10*25DN18	Socket Head Cap Screw M12*105	1
22	1.22	GB70BTM10*75DN18	Socket Head Cap Screw M10*75	2
23	1.23	PNLM8*25DN20NL	Button Head Cap Screw M8*25	2
24	1.24	GB818M3*8DS2	Screw M3*8	4
25	1.25	GB17880.5M8*16.5DCS17	Rivet Nut M8	2
26	1.26	AC32705800	U-nut M6	6
27	1.27	GB70BTM10*50DN18	Socket Head Cap Screw M10*50	1
28	1.28	SG500110400V2	4.5" Pulleys	1

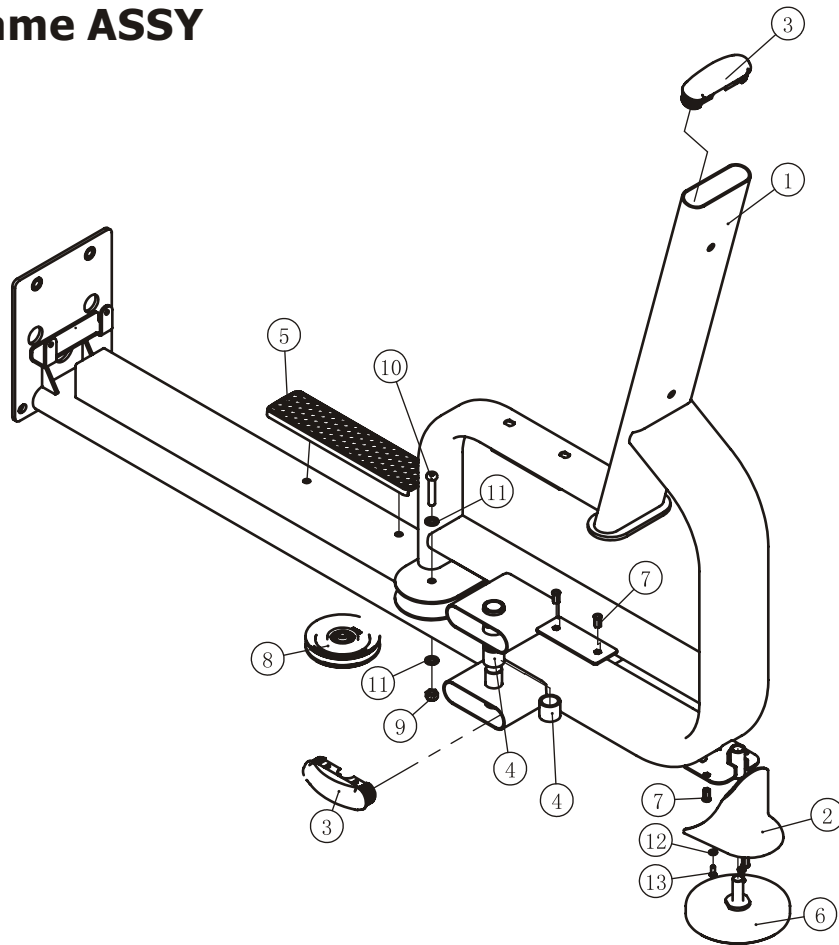
# Exploded View and Parts List

## Weight Stack Frame Assy



# Exploded View and Parts List

## Seat Frame ASSY

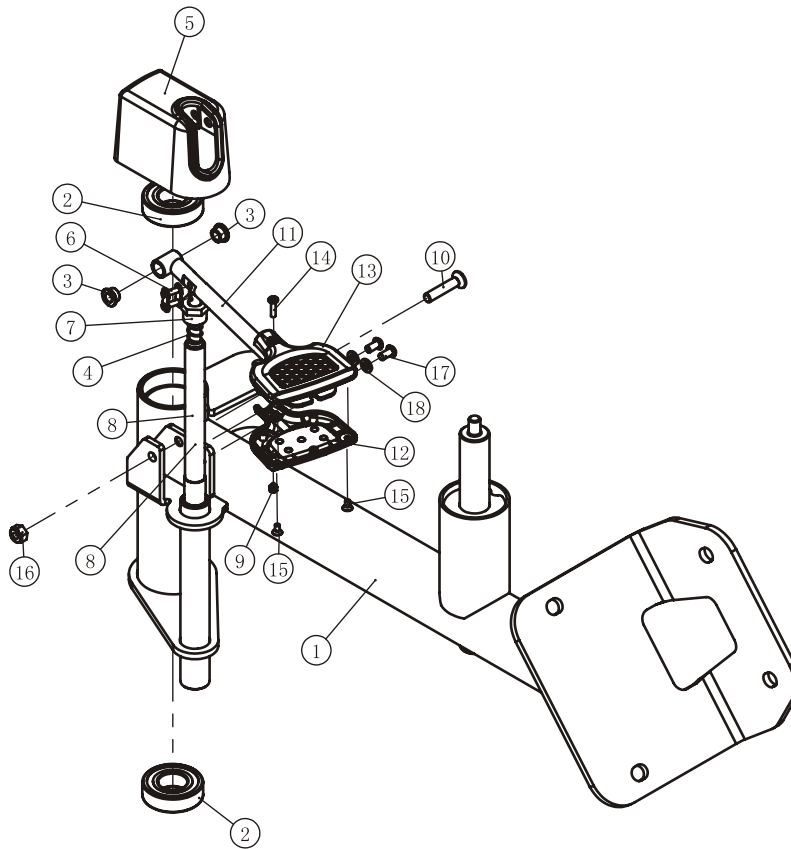


ItemNo.	Grade No.	Part No.	Description	QTY
1	2.1	FE97080200	Seat Frame	1
2	2.2	FE97211700	Rear ground plastic cover	1
3	2.3	FE97211500	Plug RT40*133*3	2
4	2.4	IN-D51202800	Limiting Space $\Phi 32 * \Phi 25.4 * 28$	2
5	2.5	FE97082600	Rubber Foot	1
6	2.6	IT93201800	Adjustable Foot plate	1
7	2.7	GB17880.5M6*16.5DS17	Rivet Nut M6	4
8	2.8	SG500110400V2	4.5" Pulleys	1
9	2.9	NM10DN2	Nylon Lock Nut M10	1
10	2.10	GB70BTM10*50DN18	Socket Head Cap Screw M10*50	1
11	2.11	GB9510DN2	Flat Washer $\Phi 11 * \Phi 20 * 2$	2
12	2.12	GB956DN2	Flat Washer $\Phi 6.6 * \Phi 12 * 1.6$	2
13	2.13	PNLM6*15DN20	Button Head Cap Screw M6*15	2



# Exploded View and Parts List

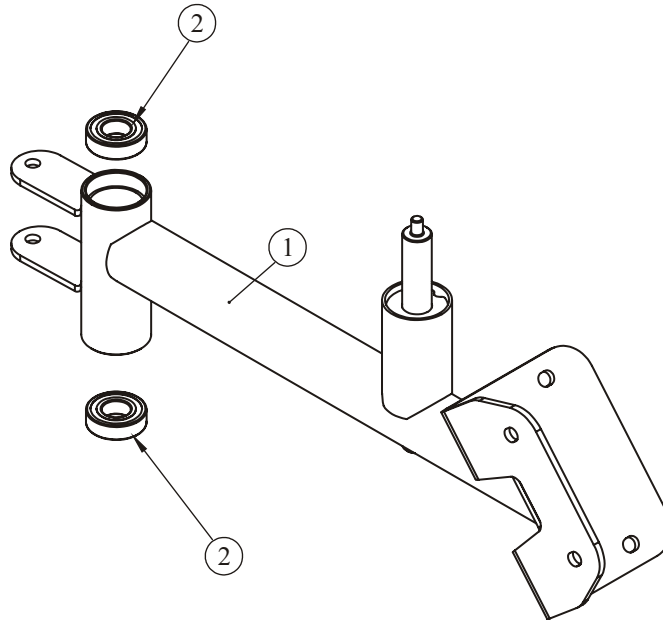
## Right Leg Frame ASSY



ItemNo.	Grade No.	Part No.	Description	QTY
1	6.1	FE97080600	Right Leg Frame	1
2	6.2	GB2766205-2ZNBK	Bearing 6205-2Z	2
3	6.3	P60015700	Bushing $\Phi 16 * \Phi 8 * 8$	2
4	6.4	HF1642303	Spring $\Phi 1.2 * \Phi 13 * 38.6$	1
5	6.5	FE97085300	Cap	1
6	6.6	GB/T1243-199708B	Link 12.7	1
7	6.7	KPS18002701V1	Lock Nut M20*1.5*18	1
8	6.8	FE97083200	Shaft $\Phi 18.2 * 230$	1
9	6.9	GB41M4DN2	Nut M4	1
10	6.10	CNLM8*45DN20	Flat Head Cap Screw M8*45	1
11	6.11	FE97082800	Handle Frame	1
12	6.12	FE970114100	Under plastic cover	1
13	6.13	FE970114200	Top plastic cover	1
14	6.14	GB818M4*16DN2NL	Flat Head Cap Screw M4*16	1
15	6.15	GB819M4*8DN2	Flat Head Cap Screw M4*8	2
16	6.16	NM8DS2	Nylon Lock Nut M8	1
17	6.17	PNLM6*12DN20	Button Head Cap Screw M6*12	2
18	6.18	GB956DN2	Flat Washer $\Phi 6.6 * \Phi 12 * 1.6$	2

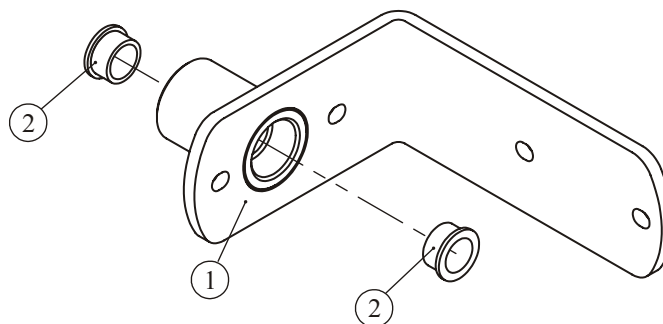
# Exploded View and Parts List

## Left Leg Frame ASSY



ItemNo.	Grade No.	Part No.	Description	QTY
1	5.1	FE97080500	Left Leg Frame	1
2	5.2	GB2766205-2ZNBK	Bearing 6205-2ZNBK	2

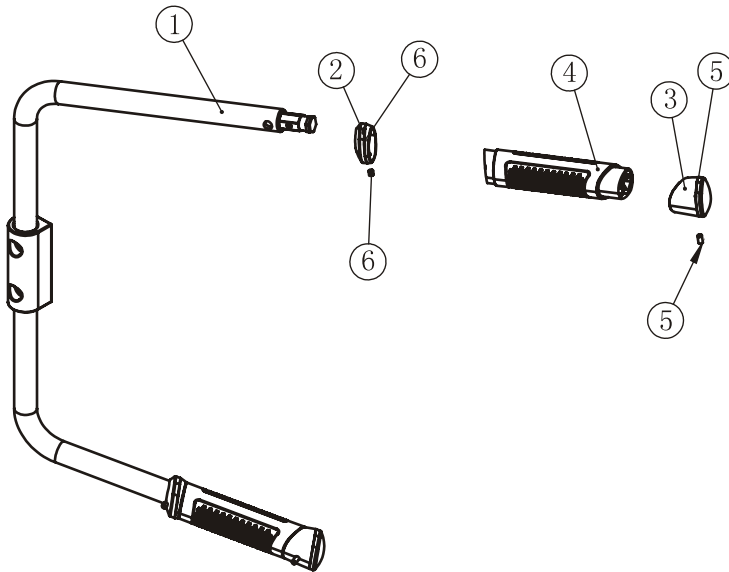
## Front Leg Frame ASSY



ItemNo.	Grade No.	Part No.	Description	QTY
1	9.1	FE97080900	Front Leg Frame	1
2	9.2	M02502000	Bushing $\Phi 38 * \Phi 25.4 * 18$	2

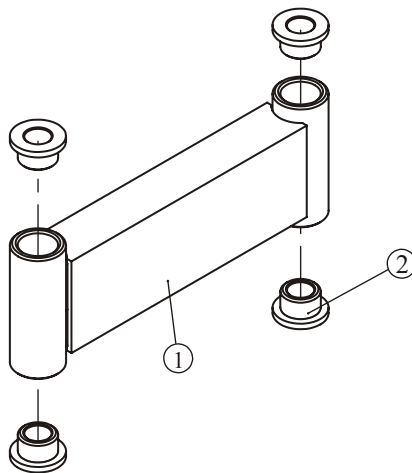
# Exploded View and Parts List

## Handle Frame ASSY



ItemNo.	Grade No.	Part No.	Description	QTY
1	8.1	FE97080800	Handle Frame	1
2	8.2	FE970114500	Aluminium Grip Ring	2
3	8.3	FE970114600	Aluminium Grip Cap	2
4	8.4	FE972114700	Grip	2
5	8.5	GB77M5*10N19	Screw M5*6	4
6	8.6	GB77M5*6N19	Screw M5*10	4

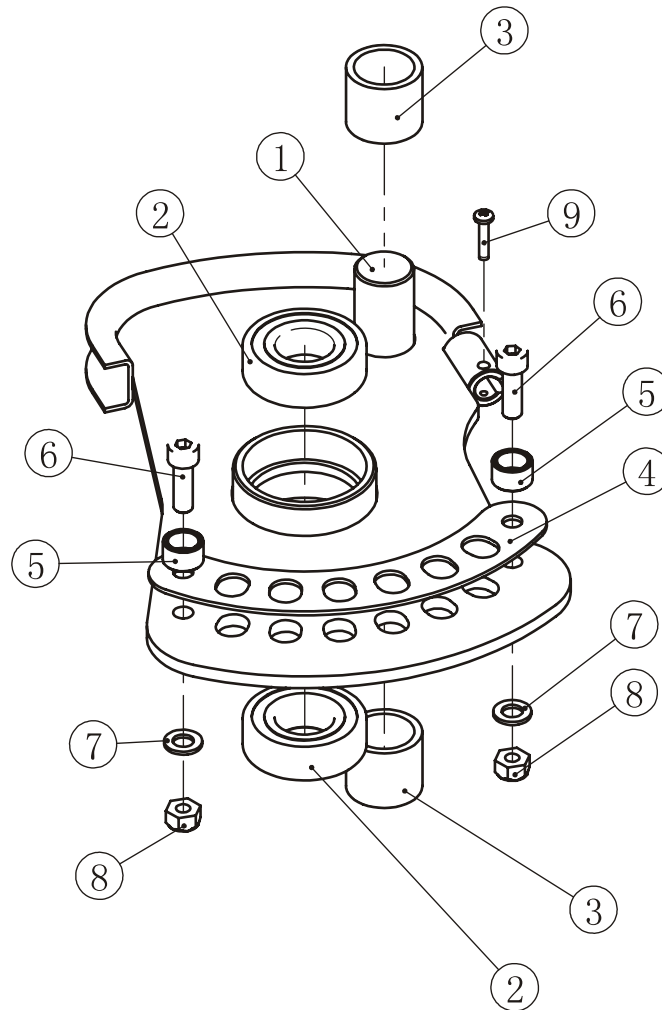
## Link Frame Assy



ItemNo.	Grade No.	Part No.	Description	QTY
1	25.1	FE97082500	Link Frame	1
2	25.2	M01402000	Bushing $\Phi 25 * \Phi 12.2 * 13$	4

# Exploded View and Parts List

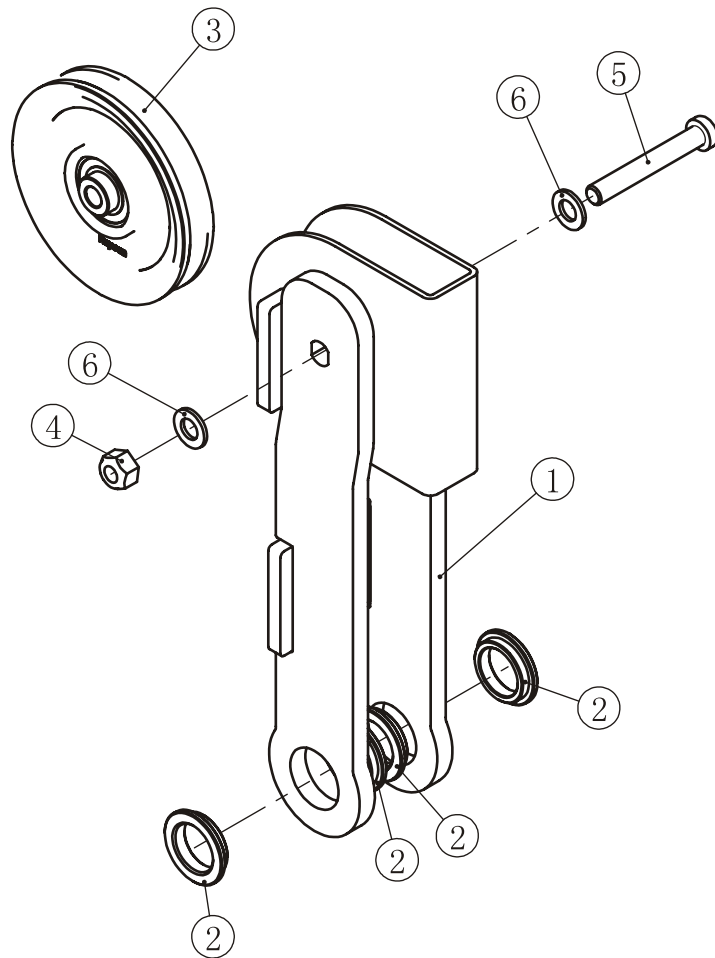
## Cam Frame ASSY



ItemNo.	Grade No.	Part No.	Description	QTY
1	12.1	FE97081200	Cam Frame	1
2	12.2	GB2766205-2ZNBK	Bearing 6205-2ZNBK	2
3	12.3	IN-D51202800	Plastic Sleeve $\Phi 32 * \Phi 25.4 * 28$	2
4	12.4	FE97081000	Fanshaped Adjustment Plate	1
5	12.5	IN-S10111200	Spacer1 $\Phi 17.5 * 10.5$	2
6	12.6	GB70M8*25DN20	Socket Head Cap Screw M8*25	2
7	12.7	GB958DN2	Flat Washer $\Phi 9 * \Phi 16 * 1.6$	2
8	12.8	NM8DN2	Nylon Lock Nut M8	2
9	12.9	GB818M4*20DS2	Button Head Cap Screw M4*20	1

# Exploded View and Parts List

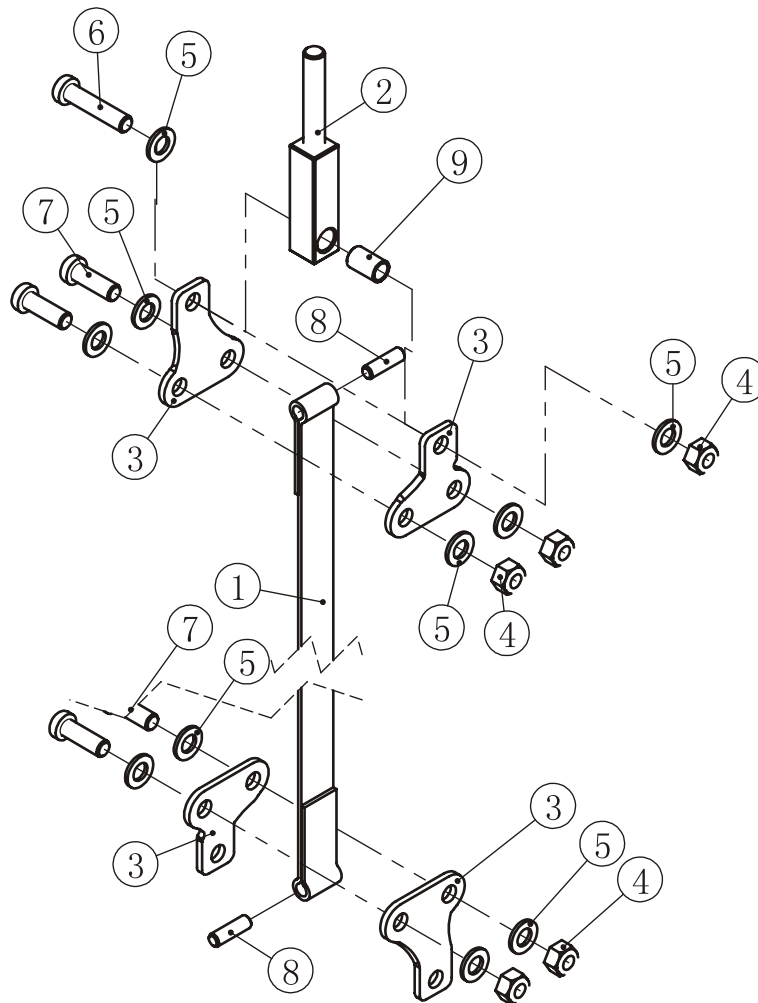
## Reversing Frame ASSY



ItemNo.	Grade No.	Part No.	Description	QTY
1	13.1	FE97081300	Reverse Rack	1
2	13.2	FE97085100	Bushing $\Phi 38 * \Phi 25.4 * 7.5$	4
3	13.3	SG500110400V2	4.5" Pulleys	1
4	13.4	NM10DN2	Nylon Lock Nut M10	1
5	13.5	GB70BTM10*70DN18	Socket Head Cap Screw M10*70	1
6	13.6	GB9510DN2	Flat Washer $\Phi 11 * \Phi 20 * 2$	2

# Exploded View and Parts List

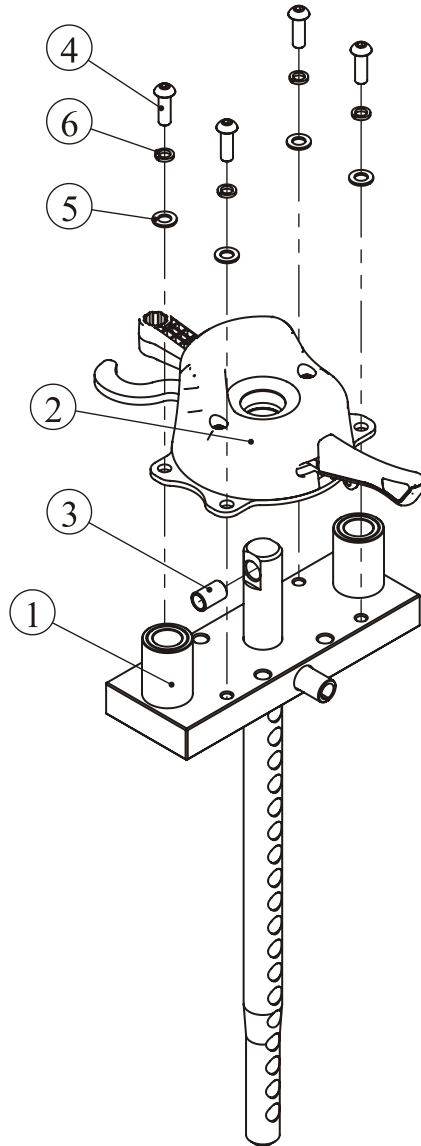
## Belt ASSY



ItemNo.	Grade No.	Part No.	Description	QTY
1	41.1	FE97084500	Belt	1
2	41.2	FE97214700	Square Adjustment Lever	1
3	41.3	FE97193300	Fastening Plate	4
4	41.4	NM10DN2	Nylon Lock Nut M10	5
5	41.5	GB9510DN2	Flat Washer $\Phi 11 * \Phi 20 * 2$	10
6	41.6	GB70BTM10*45DN18	Socket Head Cap Screw M10*45	1
7	41.7	GB70BTM10*30DN18	Socket Head Cap Screw M10*30	4
8	41.8	FE97024501	Locating Pin $\Phi 8 * 42$	2
9	41.9	FE972111500	Spacer $\Phi 13 * \Phi 10.3 * 21$	1

# Exploded View and Parts List

## Top plate ASSY



ItemNo.	Grade No.	Part No.	Description	QTY
1	70.1	FE97193000	Top plate	1
2	70.2	FE971938ASSY	Counter weight ASSY	1
3	70.3	FE972111500	Spacer $\Phi 13 * \Phi 10.3 * 21$	1
4	70.4	PNLM8*25DN20	Button Head Cap Screw M8*25	4
5	70.5	GB958DN2	Flat Washer $\Phi 9 * \Phi 16 * 1.6$	4
6	70.6	GB938N19	Spring Washer $\Phi 8$	4

# Exploded View and Parts List

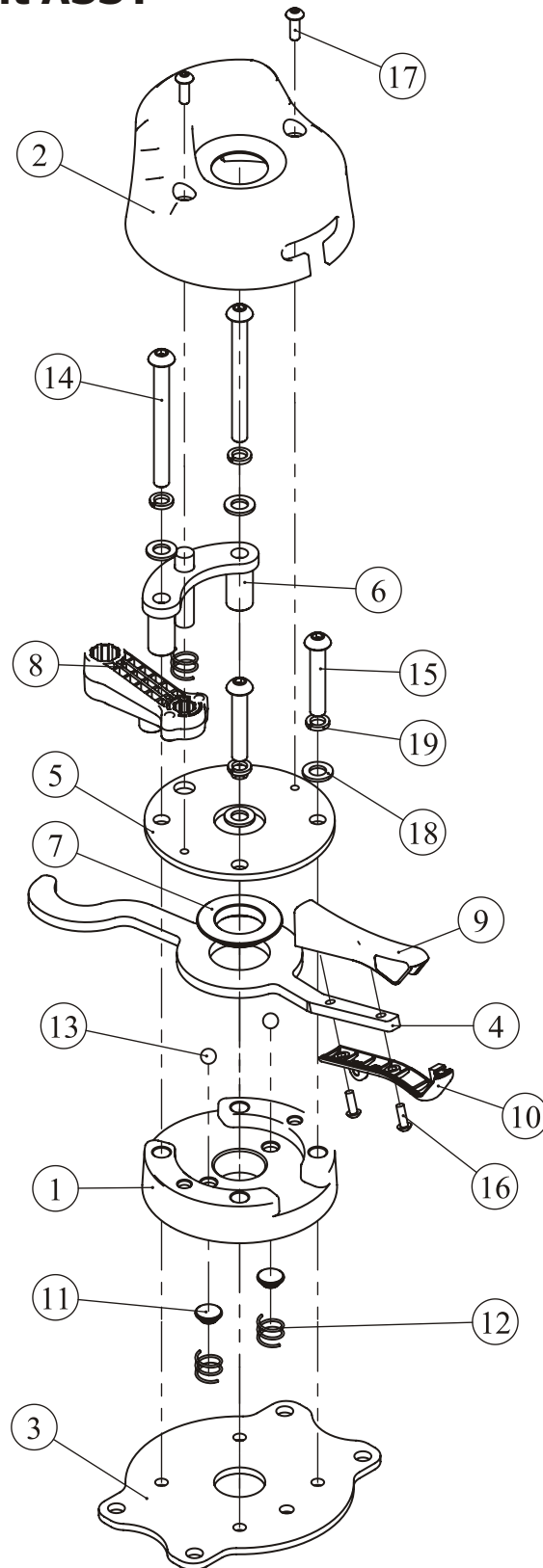
## Counter weight ASSY

ItemNo.	Grade No.	Part No.	Description	QTY
1	70.2.1	FE97192700	Plastic base	1
2	70.2.2	FE97192800	Counter weight Plastic cover	1
3	70.2.3	FE97193500	Base plate	1
4	70.2.4	FE97193600	Shifting fork	1
5	70.2.5	FE97193700	Top plate	1
6	70.2.6	FE97193800	Guide Frame	1
7	70.2.7	FE97193900	Short Spacer $\Phi 45 * \Phi 26 * 7.5$	1
8	70.2.8	FE97194000	Stop collar	1
9	70.2.9	FE97194100	Top plastic cover	1
10	70.2.10	FE97194200	Base plastic cover	1
11	70.2.11	CWRVL0251800	Steel ball support base	2
12	70.2.12	CWRVL0251900	Spring $\Phi 1.2 * \Phi 13 * 11$	3
13	70.2.13	GB3088G20	Steel ball	2
14	70.2.14	PNLM8*80DN20	Button Head Cap Screw M8*80	2
15	70.2.15	PNLM8*45DN20	Button Head Cap Screw M8*45	2
16	70.2.16	PNLM4*12DN20	Button Head Cap Screw M4*12	2
17	70.2.17	PNLM5*15DN20	Button Head Cap Screw M5*15	2
18	70.2.18	GB958DN2	Flat Washer $\Phi 9 * \Phi 16 * 1.6$	4
19	70.2.19	GB938N19	Spring Washer $\Phi 8$	4



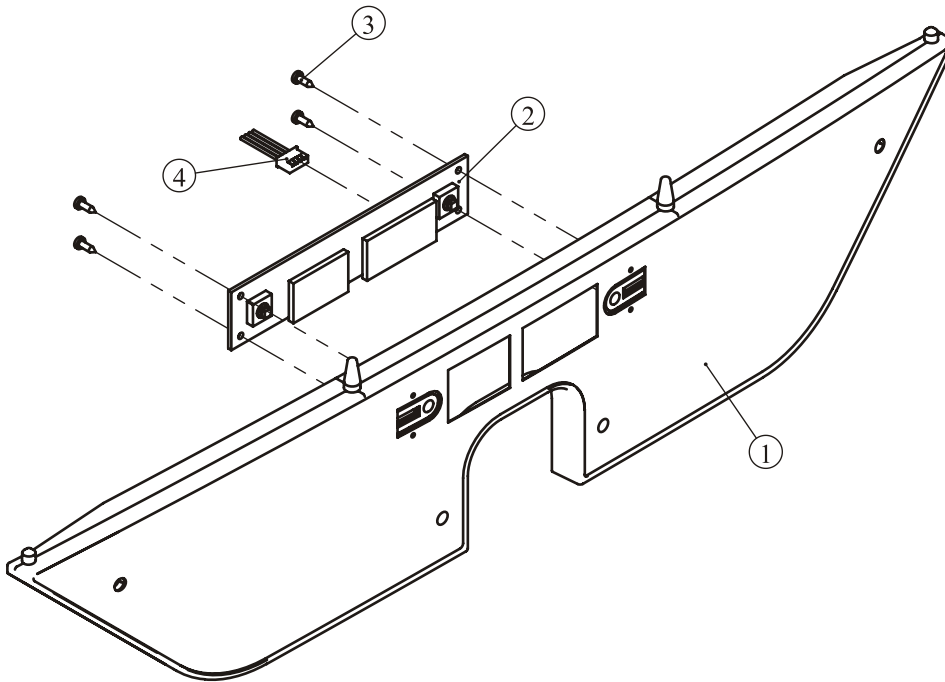
# Exploded View and Parts List

## Counter weight ASSY



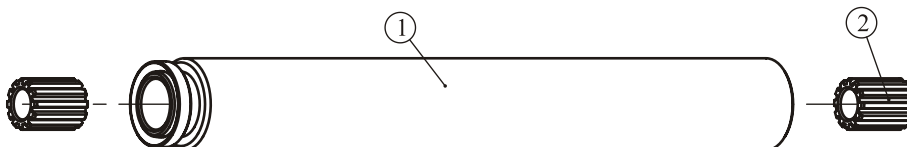
# Exploded View and Parts List

## Training Placard Cover ASSY



ItemNo.	Grade No.	Part No.	Description	QTY
1	63.1	FE97052600	Training placard cover	1
2	63.2	B117	Console PCB	1
3	63.3	GB845ST2.9*9.5DS	Screw ST2.9*9.5	4
4	63.4	L350XHP/SMY-4	Sensor 4C*22#350mm	1

## 5LBS Counter Weight ASSY



ItemNo.	Grade No.	Part No.	Description	QTY
1	75.1	FE97213500	5LBS Counter Weight	1
2	75.2	CXT-1001900V1	Guide Sleeve $\Phi 25^* \Phi 15^*32$	2

# Exploded View and Parts List

## Overall

ItemNo.	Grade No.	Part No.	Description	QTY
1	1	FE970801ASSY	Weight Stack Frame Assy	1
2	2	FE970802ASSY	Seat Frame ASSY	1
3	3	FE97210900	Bracket of Belt Pulley	1
4	5	FE970805ASSY	Left Leg Frame ASSY	1
5	6	FE970806ASSY	Right Leg Frame ASSY	1
6	7	FE97080700	Seat Pad Support Plate	1
7	8	FE970808ASSY	Handle Frame ASSY	1
8	9	FE970809ASSY	Front Leg Frame ASSY	2
9	12	FE970812ASSY	Cam Frame ASSY	1
10	13	FE970813ASSY	Reversing Frame ASSY	1
11	15	FE97081500	Shaft $\Phi$ 25*429	1
12	16	FE97081600	Short shaft $\Phi$ 25*287.5	1
13	18	FE97081800	Limiting tube $\Phi$ 32* $\Phi$ 26*93	2
14	19	FE971231ASSY	Back Pad	1
15	20	FE97082000	Leg Stand Pad	4
16	21	FE97082200	Seat Pad	1
17	24	FE97082400	Leg Pad	2
18	25	FE970825ASSY	Link Frame Assy	1
19	31	FE97083100	Shield	1
20	34	FE97213400	Rubber Sleeve $\Phi$ 30*65	2
21	40	FE97214000	Narrow Belt Pulley $\Phi$ 76	1
22	41	FE970845ASSY	Belt ASSY	1
23	46	FE97084600	Cable	1
24	48	FE97214800	Belt Rubber Sleeve $\Phi$ 17*49	2
25	50	FE97085000	Guide Rod $\Phi$ 19*1122.5	2
26	60	FE97053600	Bracket of Cup Holder	1
27	61	FE97053500	Cup Holder ASSY	1
28	62	FE97053700	Plastic End Cap	1
29	63	FE970526ASSY	Training Placard Cover ASSY	1
30	64	FE97052500	Front Shroud	2
31	65	FE9705270008	Front Lower Cover	1
32	66	FE97011600	Top Cover	1
33	67	FE97123800	Selector Pin W/Coil	1
34	68	IN-D10132900	Weight Rubber Bumper $\Phi$ 76*60	2
35	69	FE97216900	Spacer Pin $\Phi$ 15* $\Phi$ 8*65.5	2
36	70	FE971930ASSY	Top plate ASSY	1
37	72	CWRVL0250900	Flat Washer $\Phi$ 15* $\Phi$ 40*3	1
38	73	CWRVL0251000	Plug Bumper $\Phi$ 14* $\Phi$ 40*25.4	1

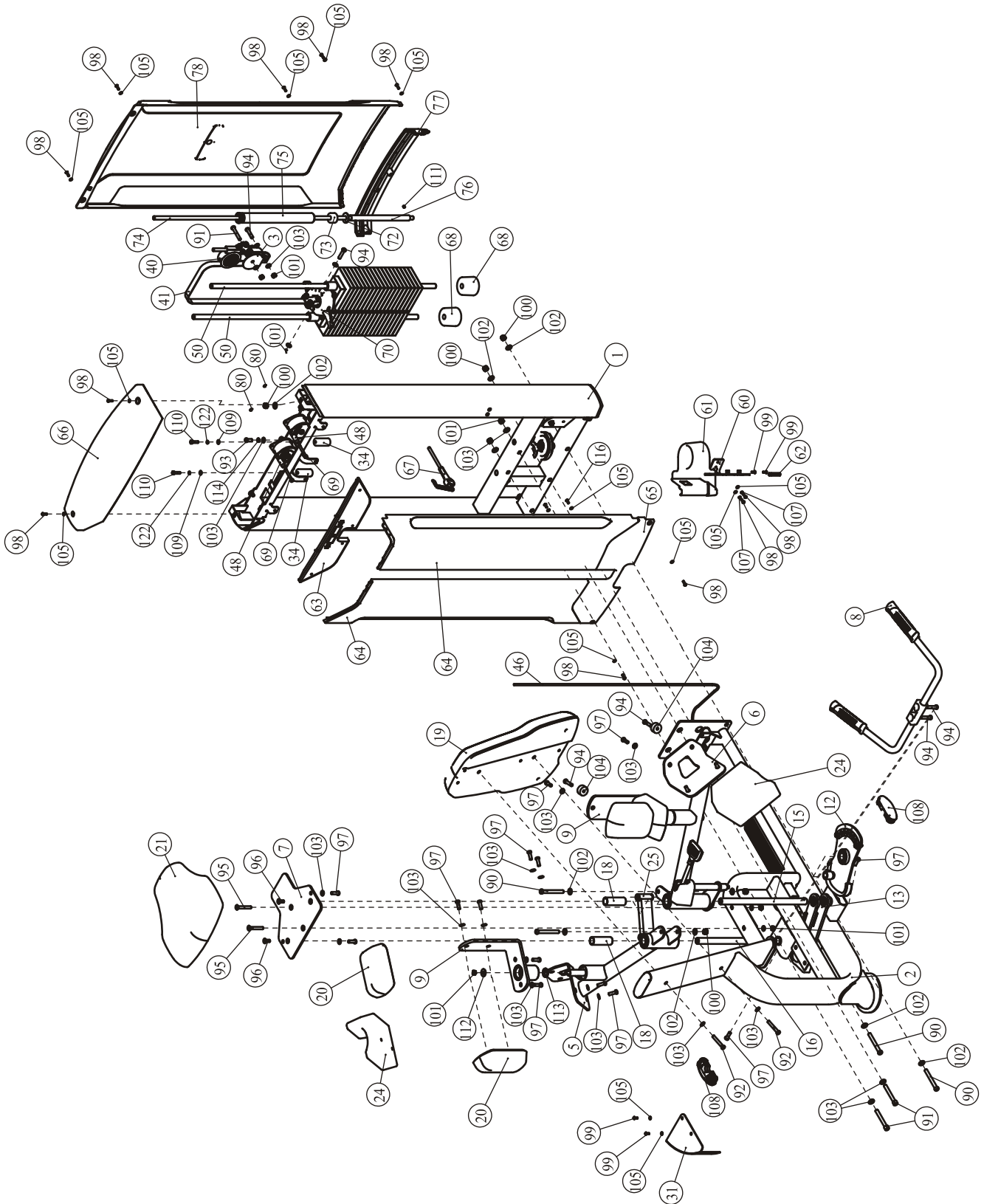
# Exploded View and Parts List

## Overall

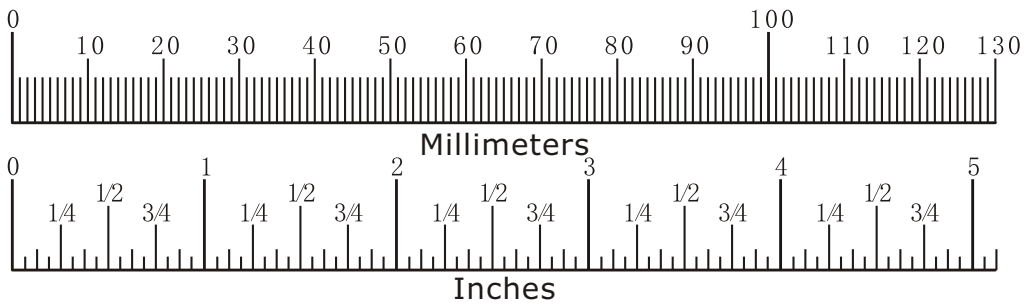
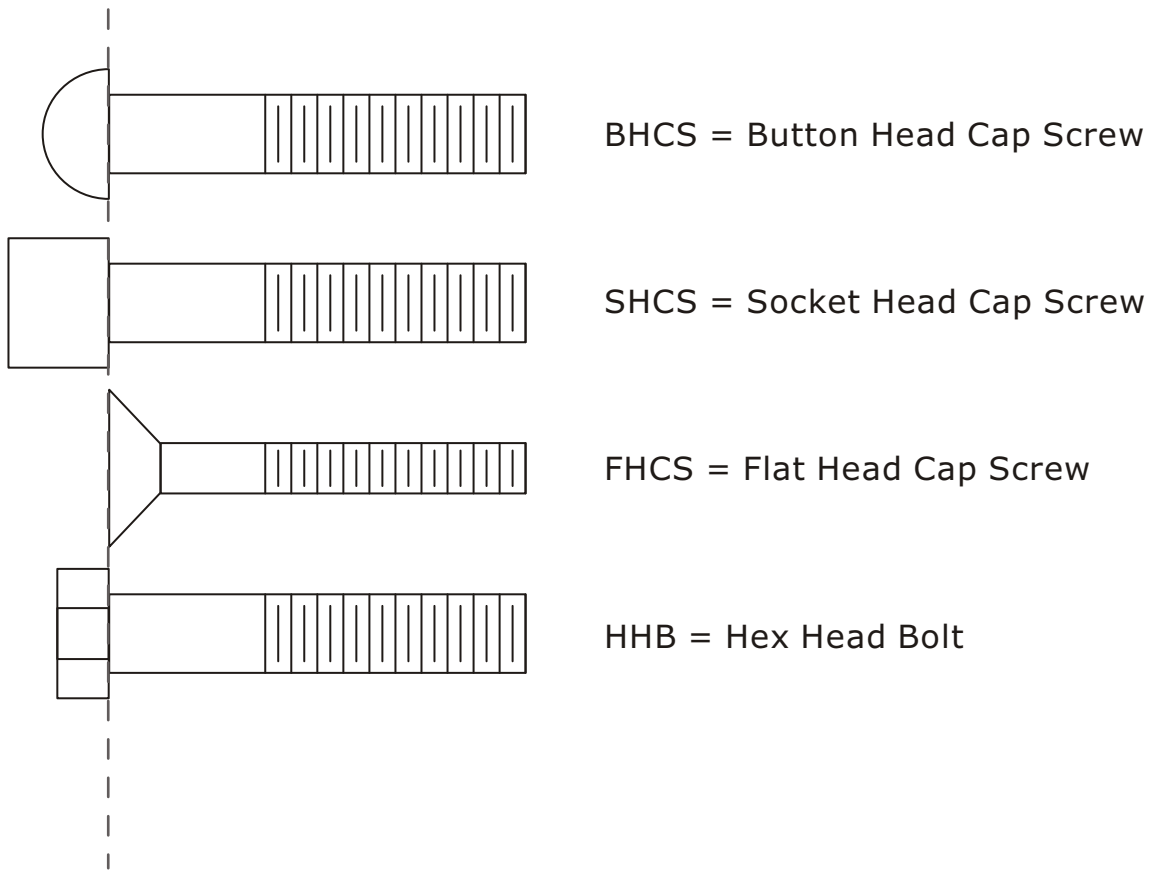
ItemNo.	Grade No.	Part No.	Description	QTY
39	74	FE97194300	Guide Rod $\Phi$ 14	1
40	75	FE972135ASSY	5LBS Counter Weight ASSY	1
41	76	FE97085200	Limiting tube $\Phi$ 22*2*293	1
42	78	FE97052800	Back Shroud	1
43	77	FE97052900	Back Lower Cover	1
44	80	GB8966FH12	Shaft Ring Opening $\Phi$ 6	2
45	90	GB70BTM12*105DN18	Socket Head Cap Screw M12*105	4
46	91	GB70BTM10*90DN18	Socket Head Cap Screw M10*90	2
47	92	GB70BTM10*65DN18	Socket Head Cap Screw M10*65	3
48	93	GB70BTM10*25DN18NL	Socket Head Cap Screw M10*25	1
49	94	GB70BTM10*45DN18	Socket Head Cap Screw M10*45	6
50	95	CNLM10*70DN20	Flat Head Cap Screw M10*70	2
51	96	CNLM10*25DN20	Flat Head Cap Screw M10*25	2
52	97	GB70BTM10*30DN18NL	Socket Head Cap Screw M10*30	18
53	98	PNLM6*20DN20	Button Head Cap Screw M6*20	11
54	99	PNLM6*15DN20	Button Head Cap Screw M6*15	8
55	100	NM12DN2	Nylon Lock Nut M12	5
56	101	NM10DN2	Nylon Lock Nut M10	9
57	102	GB9512DN2	Flat Washer $\Phi$ 13* $\Phi$ 24*2.5	9
58	103	GB9510DN2	Flat Washer $\Phi$ 11* $\Phi$ 20*2	31
59	104	BNH0514	Plug Bumper $\Phi$ 38*19.5	2
60	105	GB956DN2	Flat Washer $\Phi$ 6.6* $\Phi$ 12*1.6	19
61	107	GB936N19	Spring Washer $\Phi$ 6	2
62	108	FE97211500	Plug RT40*133*3	2
63	109	GB958DN2	Flat Washer $\Phi$ 9* $\Phi$ 16*1.6	2
64	110	GB70M8*30*30DN20	Socket Head Cap Screw M8*30	2
65	111	GB77M8*8DS18	Screw M8*8	1
66	112	DQ10DN2C	Flat Washer $\Phi$ 11* $\Phi$ 30*2	2
67	113	HF6031400	Plastic Washer $\Phi$ 35* $\Phi$ 25.5*5	2
68	114	GB9310N19	Spring Washer $\Phi$ 10	1
69	115	LW200BS	Wrench $\Phi$ 6*117	1
70	116	PNLM6*12DN20	Button Head Cap Screw M6*12	2
71	117	NBS4DHS	Hex Key S=4	1
72	118	NBS5DHS	Hex Key S=5	1
73	119	NBS6DHS	Hex Key S=6	1
74	120	NBS8DHS	Hex Key S=8	1
75	121	YHY	Lube	1
76	122	GB938N19	Spring Washer $\Phi$ 8	2

# Exploded View and Parts List

## Overall



# 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

Attach The Weight Stack Frame Assy (#1) to The Seat Frame ASSY (#2) using:

two M12\*105 SHCS (#90)

four  $\Phi 13*\Phi 24*2.5$  Flat Washer (#102)

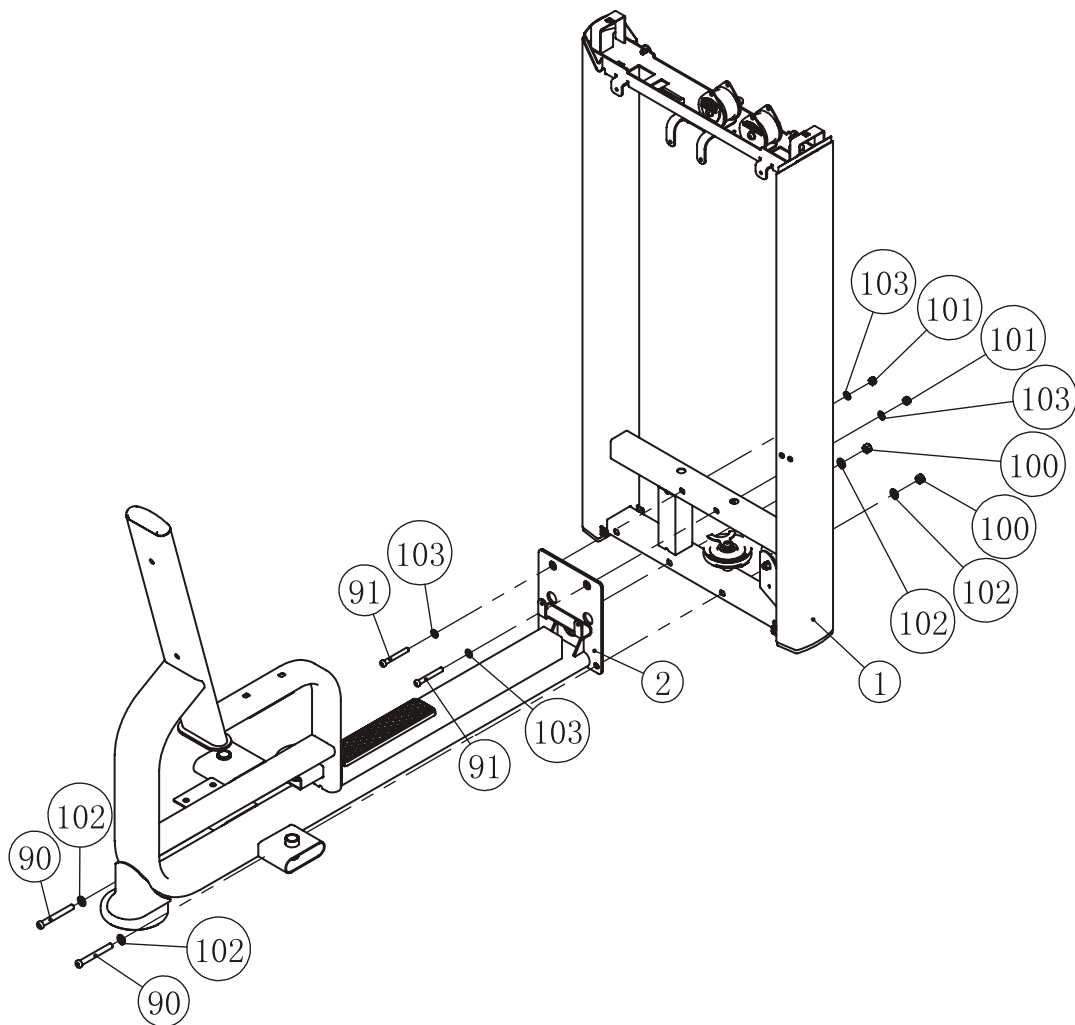
two M12 Nylon Lock Nut (#100)

two M10\*90 SHCS (#91)

four  $\Phi 11*\Phi 20*2$  Flat Washer (#103)

two M10 Nylon Lock Nut (#101)

**Note: Hand tighten Bolts and Nylon Lock Nuts until machine is fully assembled.**





# Assembly

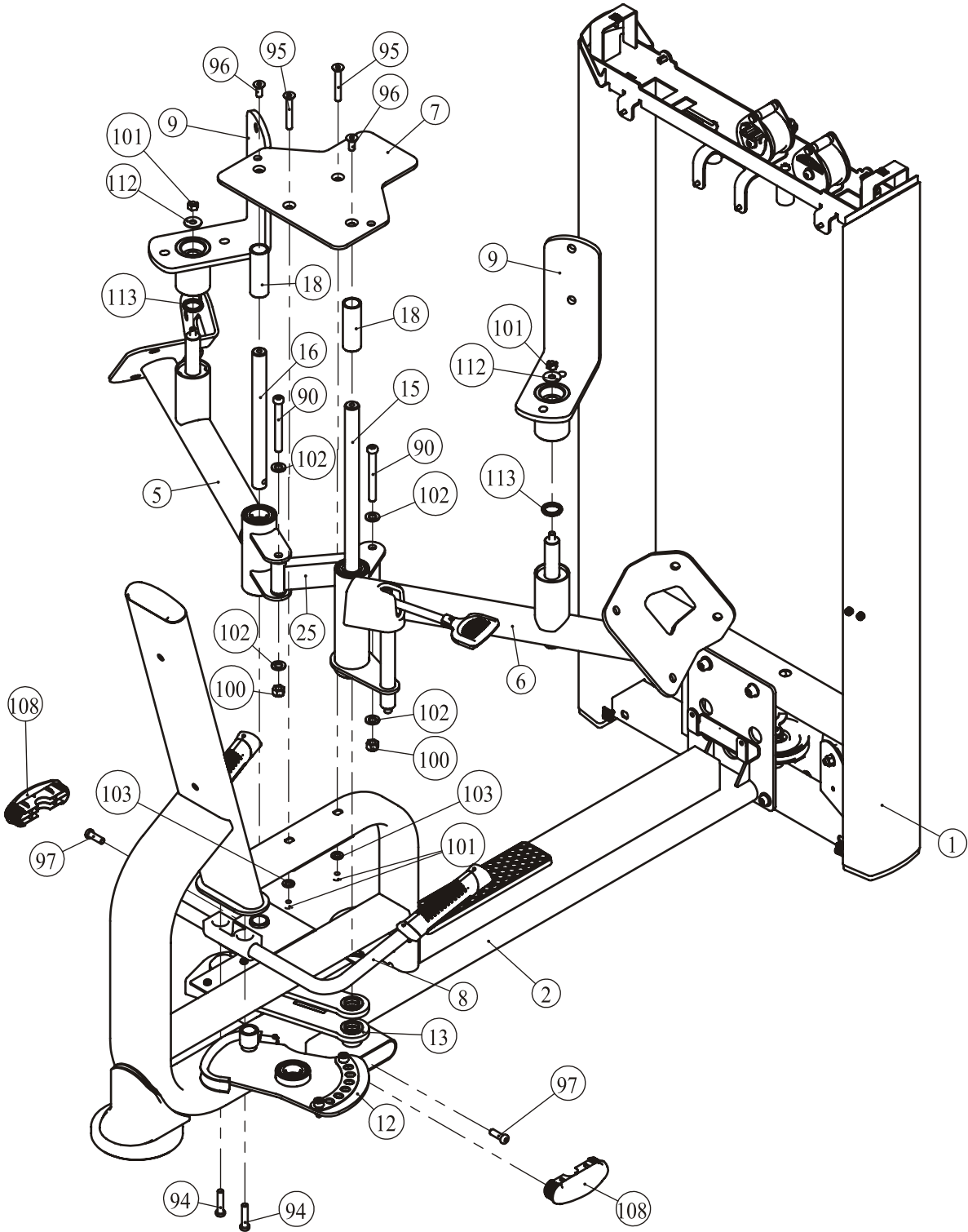
## STEP 2

1. Attach The Right Leg Frame ASSY (#6) and The Cam Frame ASSY (#12) and The Reversing Frame ASSY (#13) to the Seat Frame ASSY (#2) using:
  - one  $\Phi 25 \times 429$  Shaft (#15)
  - one  $\Phi 32 \times \Phi 26 \times 93$  Limiting tube (#18)
  - one M10\*30 Socket Head Cap Screw (#97)
  - one RT40\*133\*3 Plug (#108)
2. Attach The Left Leg Frame ASSY (#5) to the Seat Frame ASSY (#2) using:
  - one  $\Phi 25 \times 287.5$  Short shaft (#16)
  - one  $\Phi 32 \times \Phi 26 \times 93$  Limiting tube (#18)
  - one M10\*30 Socket Head Cap Screw (#97)
  - one RT40\*133\*3 Plug (#108)
3. Attach The Seat Pad Support Plate (#7) to the Seat Frame ASSY (#2) and the Shaft (#15) and the Short shaft (#16) using:
  - two M10\*70 Flat Head Cap Screw (#95)
  - two M10\*25 Flat Head Cap Screw (#96)
  - two  $\Phi 11 \times \Phi 20 \times 2$  Flat Washer (#103)
  - two M10 Nylon Lock Nut (#101)
4. Attach The Link Frame Assy (#25) to the Right Leg Frame ASSY (#6) and the Left Leg Frame ASSY (#5) using:
  - two M12\*105 SHCS (#90)
  - four  $\Phi 13 \times \Phi 24 \times 2.5$  Flat Washer (#102)
  - two M12 Nylon Lock Nut (#100)
5. Attach The Handle Frame ASSY (#8) to The Seat Frame ASSY (#3) using:
  - two M10\*45 SHCS (#94)
6. Attach two Front Leg Frame ASSY (#9) to the Right Leg Frame ASSY (#6) and the Left Leg Frame ASSY (#5) using:
  - two  $\Phi 11 \times \Phi 30 \times 2$  Flat Washer (#112)
  - two M10 Nylon Lock Nut (#101)
  - two  $\Phi 35 \times \Phi 25.5 \times 5$  Plastic Washer (#113)

**Note: Wrench Tighten Bolts and Nylon Lock Nuts.**

# Assembly

## STEP 2



# Assembly

## STEP 3

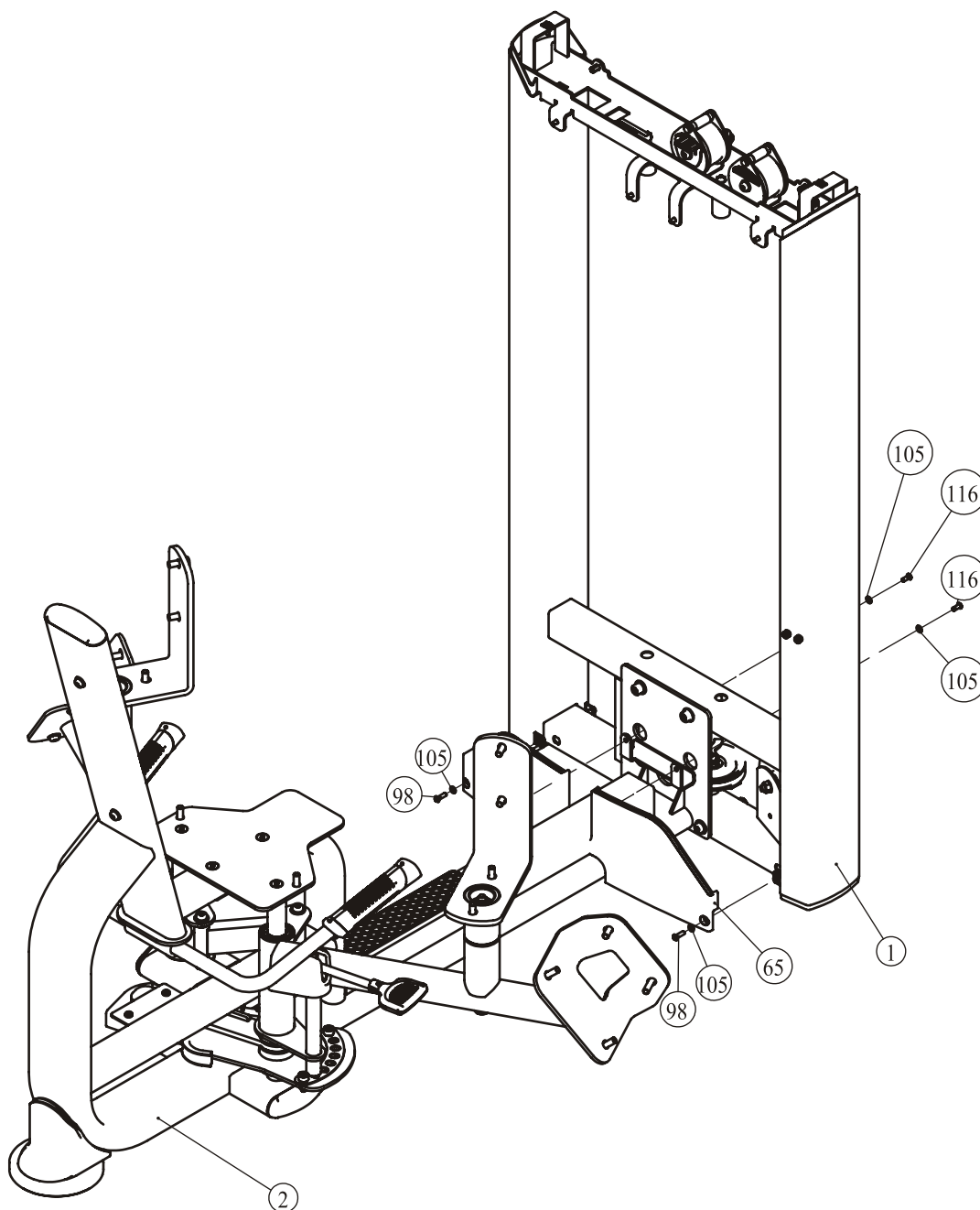
Attach The Front Lower Cover (#65) to The Weight Stack Frame Assy (#1) and The Seat Frame ASSY (#2) using:

four  $\Phi 6.6 \times \Phi 12 \times 1.6$  Flat Washers (#105)

two M6\*12 BHCS (#116)

two M6\*20 BHCS (#98)

**Note: Wrench Tighten Bolts and Nylon Lock Nuts.**



# Assembly

## STEP 4 Here is the assembly instruction for 10LBSx15PCS Weights !

### 1. Attach:

two  $\Phi 19 \times 1122.5$  Guide Rods (#50)  
 fifteen Weight Plate 10LBS (#150)  
 one Top plate ASSY (#70)

two  $\Phi 76 \times 60$  Weight Rubber Bumpers (#68)  
 two weight stack space (#151)

to The Weight Stack Frame Assy (#1) using:

two M8\*30 SHCS (#110)

two  $\Phi 9 \times \Phi 16 \times 1.6$  Flat Washers (#109)

two  $\Phi 30 \times 65$  Rubber Sleeve (#34)

two  $\Phi 8$  Spring Washers (#122)

### 2. Attach The Selector Pin W/Coil (#67) to The Top plate ASSY (#70).

### 3. Loosen one M8\*8 Screw (#111), and Attach:

one  $\Phi 14 \times 1296$  Guide Rod (#74)

one 5LBS Counter Weight (#75)

to The Weight Stack Frame Assy (#1) using:

one  $\Phi 22 \times 2 \times 293$  Limiting tube (#76)

one  $\Phi 15 \times \Phi 40 \times 3$  Flat Washer (#72)

one  $\Phi 14 \times \Phi 40 \times 25.4$  Plug Bumper (#73)

one M10\*25 SHCS (#93)

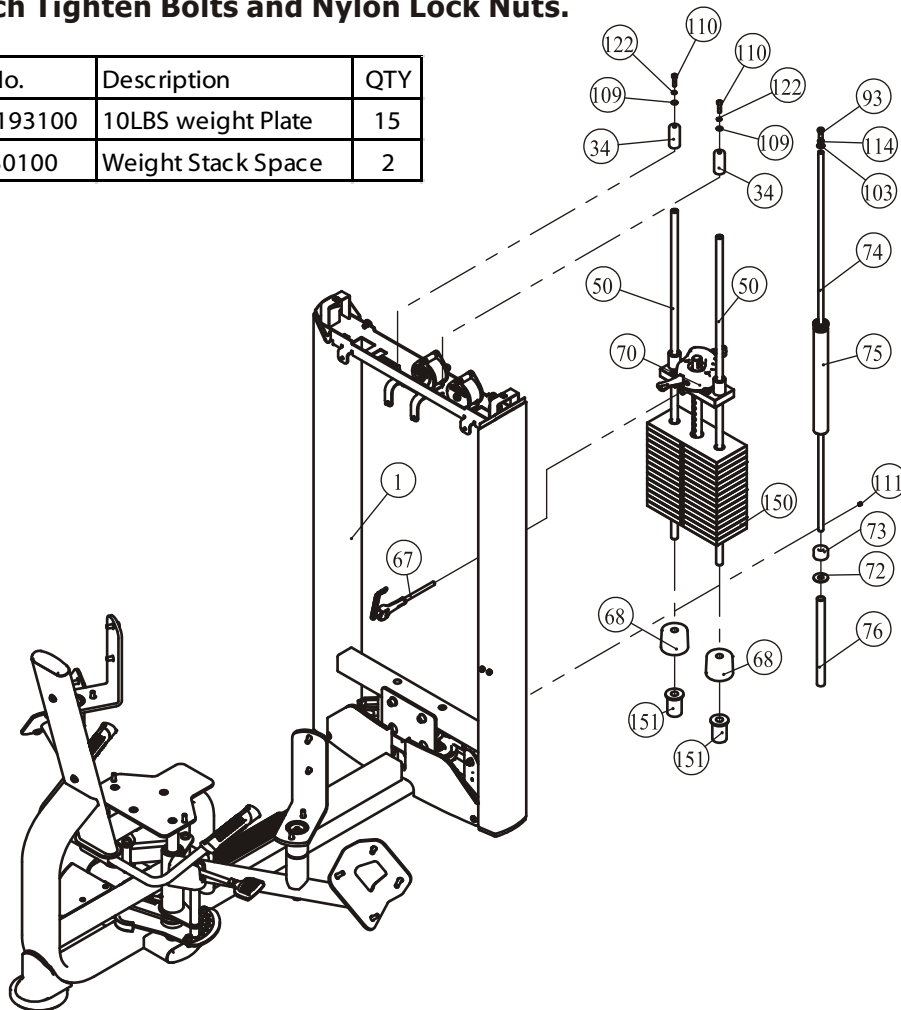
one  $\Phi 10$  Spring Washer (#114)

one  $\Phi 11 \times \Phi 20 \times 2$  Flat Washer (#103)

### 4. Wrench Tighten M8\*8 Screw (#111).

**Note: Wrench Tighten Bolts and Nylon Lock Nuts.**

Item No.	Part No.	Description	QTY
150	FE97193100	10LBS weight Plate	15
151	FEWS0100	Weight Stack Space	2



# Assembly

## STEP 4 Here is the assembly instruction for 10LBSx19PCS Weights !

### 1. Attach:

two  $\Phi 19 \times 1122.5$  Guide Rods (#50)  
 nineteen Weight Plate 10LBS (#150)  
 to The Weight Stack Frame Assy (#1) using:  
 two M8\*30 SHCS (#110)  
 two  $\Phi 30 \times 65$  Rubber Sleeve (#34)

two  $\Phi 76 \times 60$  Weight Rubber Bumpers (#68)  
 one Top plate ASSY (#70)  
 two  $\Phi 9 \times \Phi 16 \times 1.6$  Flat Washers (#109)  
 two  $\Phi 8$  Spring Washers (#122)

### 2. Attach The Selector Pin W/Coil (#67) to The Top plate ASSY (#70).

### 3. Loosen one M8\*8 Screw (#111), and Attach:

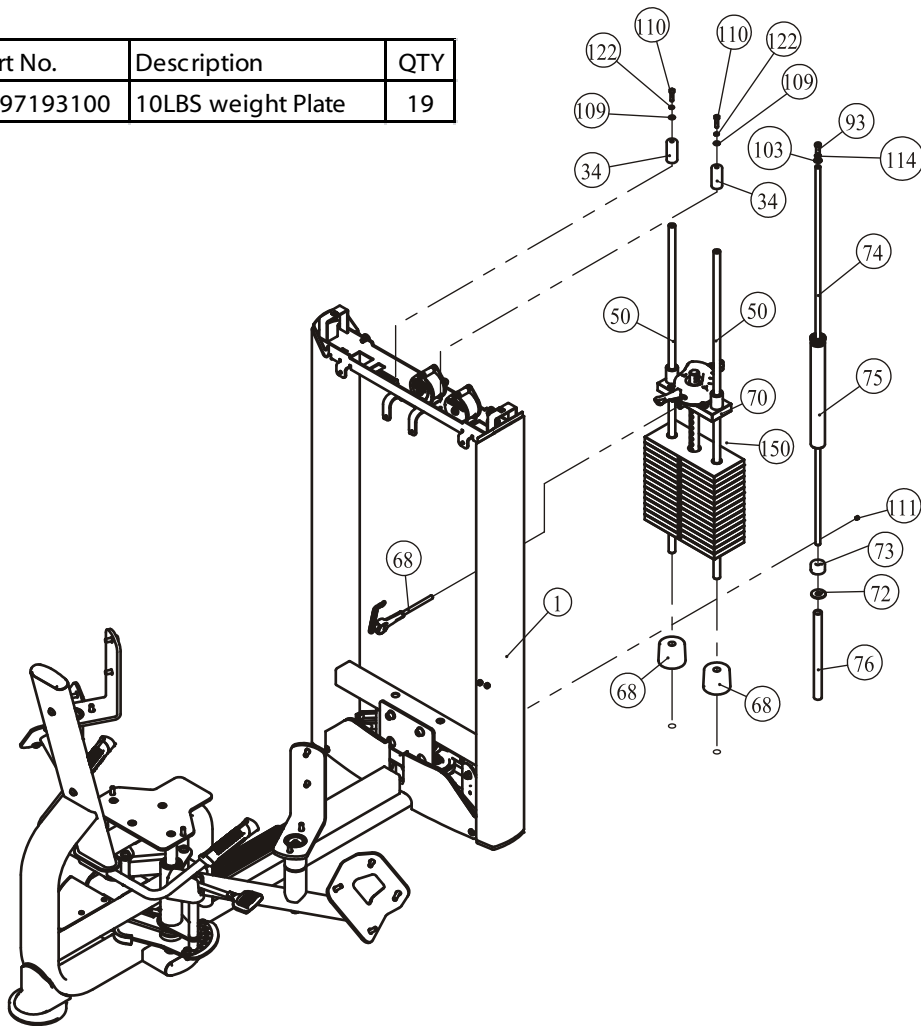
one  $\Phi 14 \times 1296$  Guide Rod (#74)  
 to The Weight Stack Frame Assy (#1) using:  
 one  $\Phi 22 \times 2 \times 293$  Limiting tube (#76)  
 one  $\Phi 14 \times \Phi 40 \times 25.4$  Plug Bumper (#73)  
 one  $\Phi 10$  Spring Washer (#114)

one 5LBS Counter Weight (#75)  
 one  $\Phi 15 \times \Phi 40 \times 3$  Flat Washer (#72)  
 one M10\*25 SHCS (#93)  
 one  $\Phi 11 \times \Phi 20 \times 2$  Flat Washer (#103)

### 4. Wrench Tighten M8\*8 Screw (#111).

**Note: Wrench Tighten Bolts and Nylon Lock Nuts.**

Item No.	Part No.	Description	QTY
150	FE97193100	10LBS weight Plate	19



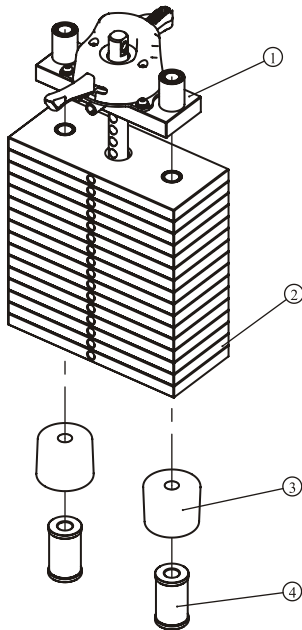
# Assembly

Please assemble according to the actual **Weights** you buy !

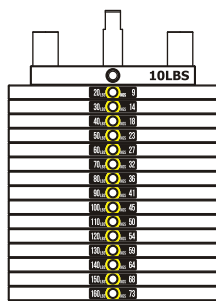
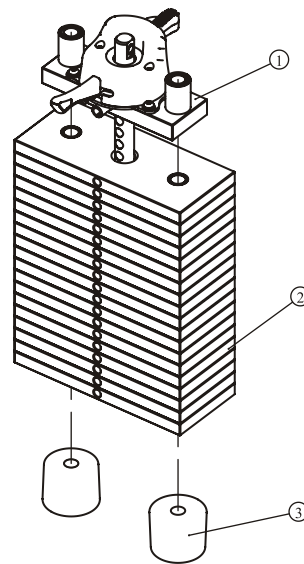
## 10LBS×15PCS

## 10LBS×19PCS

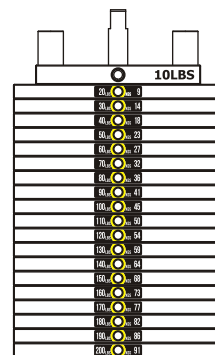
Grade No.	Part No.	Description	QTY	Grade No.	Part No.	Description	QTY
1	FE971930ASSY	10LBS Top Plate ASSY	1	1	FE971930ASSY	10LBS Top Plate ASSY	1
2	FE97193100	10LBS Weight Plate	15	2	FE97193100	10LBS Weight Plate	19
3	IN-D10132900	Weight Rubber Bumpers	2	3	IN-D10132900	Weight Rubber Bumpers	2
4	FEWS01ASSY	Weight Stack Space	2				



- 20\_LBS 9
- 30\_LBS 14
- 40\_LBS 18
- 50\_LBS 23
- 60\_LBS 27
- 70\_LBS 32
- 80\_LBS 36
- 90\_LBS 41
- 100\_LBS 45
- 110\_LBS 50
- 120\_LBS 54
- 130\_LBS 59
- 140\_LBS 64
- 150\_LBS 68
- 160\_LBS 73
- 170\_LBS 77
- 180\_LBS 82
- 190\_LBS 86
- 200\_LBS 91
- 210\_LBS 95
- 220\_LBS 100
- 230\_LBS 104



20-160LBS



20-200LBS

Weight plate sticker paste schematic diagram

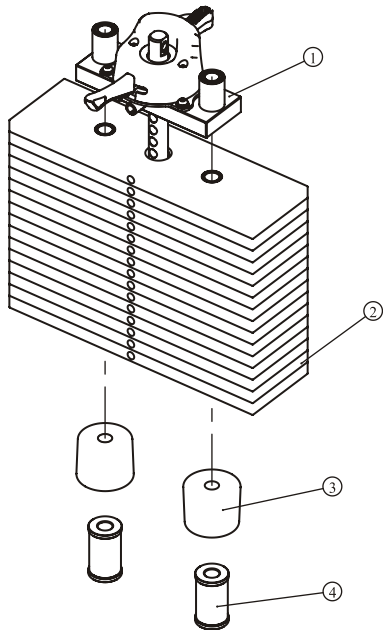
# Assembly

Please assemble according to the actual **Weights** you buy !

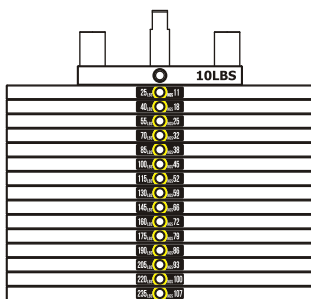
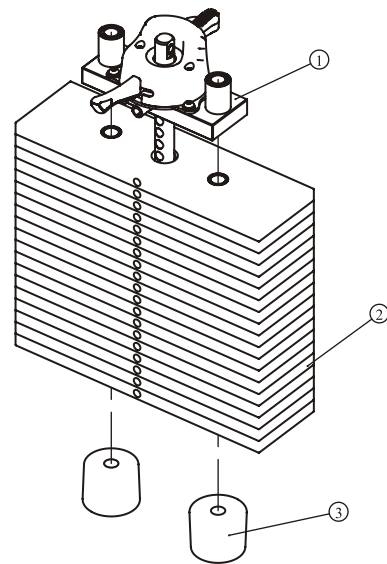
## 15LBS×15PCS

## 15LBS×19PCS

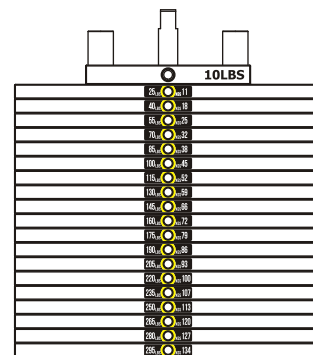
Grade No.	Part No.	Description	QTY	Grade No.	Part No.	Description	QTY
1	FE971930ASSY	10LBS Top Plate ASSY	1	1	FE971930ASSY	10LBS Top Plate ASSY	1
2	FE97193200	15LBS Weight Plate	15	2	FE97193200	15LBS Weight Plate	19
3	IN-D10132900	Weight Rubber Bumpers	2	3	IN-D10132900	Weight Rubber Bumpers	2
4	FEWS01ASSY	Weight Stack Space	2				



- 25 LBS 11 KGS
- 40 LBS 18 KGS
- 55 LBS 25 KGS
- 70 LBS 32 KGS
- 85 LBS 38 KGS
- 100 LBS 45 KGS
- 115 LBS 52 KGS
- 130 LBS 59 KGS
- 145 LBS 66 KGS
- 160 LBS 72 KGS
- 175 LBS 79 KGS
- 190 LBS 86 KGS
- 205 LBS 93 KGS
- 220 LBS 100 KGS
- 235 LBS 107 KGS
- 250 LBS 113 KGS
- 265 LBS 120 KGS
- 280 LBS 127 KGS
- 295 LBS 134 KGS
- 310 LBS 141 KGS
- 325 LBS 147 KGS



25-235LBS



25-295LBS

Weight plate sticker paste schematic diagram

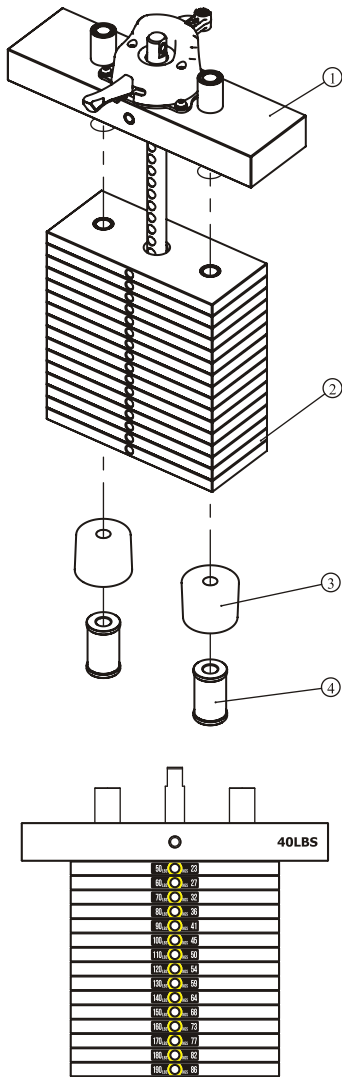
# Assembly

Please assemble according to the actual **Weights** you buy !

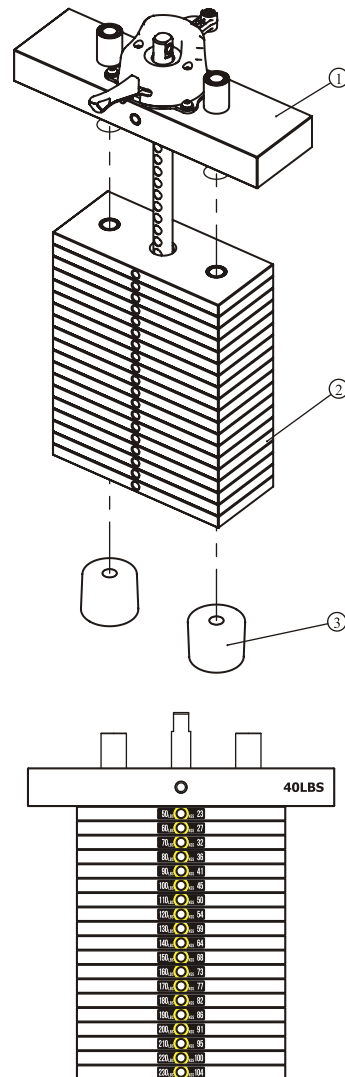
## 10LBS×15PCS

## 10LBS×19PCS

Grade No.	Part No.	Description	QTY	Grade No.	Part No.	Description	QTY
1	FE970230ASSY	40LBS Top Plate ASSY	1	1	FE970230ASSY	40LBS Top Plate ASSY	1
2	FE97193100	10LBS Weight Plate	15	2	FE97193100	10LBS Weight Plate	19
3	IN-D10132900	Weight Rubber Bumpers	2	3	IN-D10132900	Weight Rubber Bumpers	2
4	FEWS01ASSY	Weight Stack Space	2				



50-190LBS



50-230LBS

20 LBS	9 KGS
30 LBS	14 KGS
40 LBS	18 KGS
50 LBS	23 KGS
60 LBS	27 KGS
70 LBS	32 KGS
80 LBS	36 KGS
90 LBS	41 KGS
100 LBS	45 KGS
110 LBS	50 KGS
120 LBS	54 KGS
130 LBS	59 KGS
140 LBS	64 KGS
150 LBS	68 KGS
160 LBS	73 KGS
170 LBS	77 KGS
180 LBS	82 KGS
190 LBS	86 KGS
200 LBS	91 KGS
210 LBS	95 KGS
220 LBS	100 KGS
230 LBS	104 KGS

Weight plate sticker paste schematic diagram

**Note: 30LBS weight are used the function of balance.**



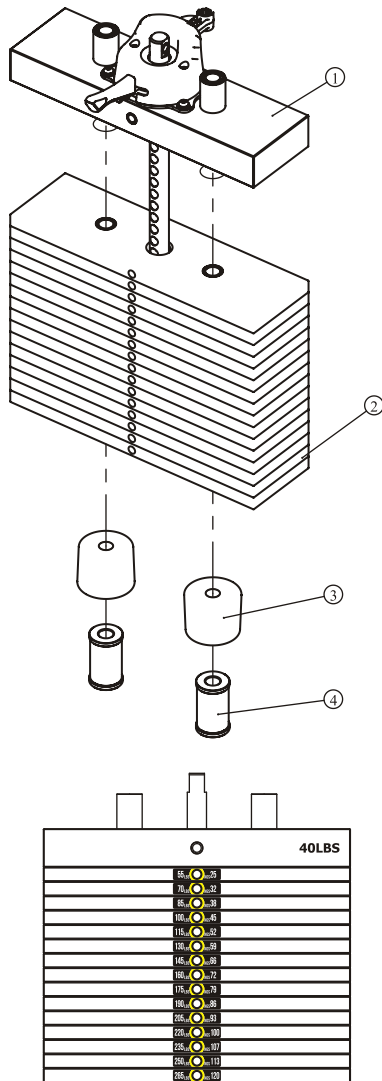
# Assembly

Please assemble according to the actual **Weights** you buy !

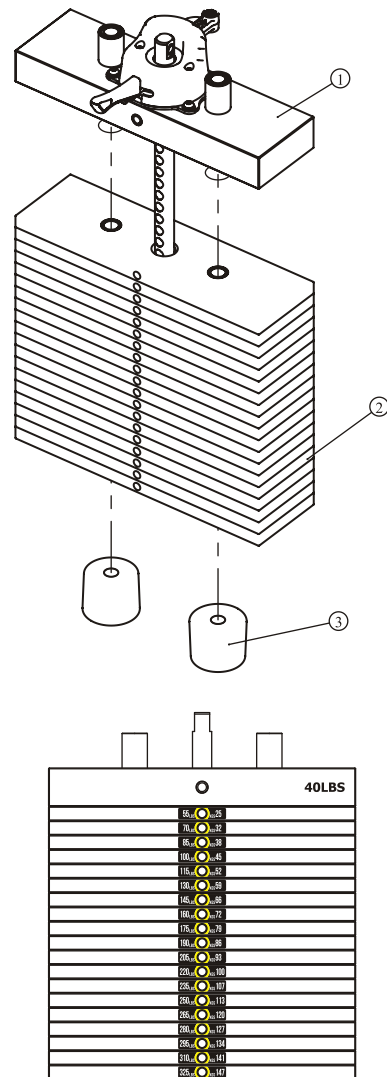
## 15LBS×15PCS

## 15LBS×19PCS

Grade No.	Part No.	Description	QTY	Grade No.	Part No.	Description	QTY
1	FE970230ASSY	40LBS Top Plate ASSY	1	1	FE970230ASSY	40LBS Top Plate ASSY	1
2	FE97193200	15LBS Weight Plate	15	2	FE97193200	15LBS Weight Plate	19
3	IN-D10132900	Weight Rubber Bumpers	2	3	IN-D10132900	Weight Rubber Bumpers	2
4	FEWS01ASSY	Weight Stack Space	2				



55-265LBS



55-325LBS

Weight plate sticker paste schematic diagram

**Note: 30LBS weight are used the function of balance.**

# Assembly

## STEP 5

1. Attach one end of The Belt ASSY (#41) to The Weight Stack Frame Assy (#1) using:  
one  $\Phi 13 \times \Phi 24 \times 2.5$  Flat Washer (#102)      one M12 Nylon Lock Nut (#100)
2. Attach the other end of The Belt ASSY (#41) through the  $\Phi 76$  Narrow Belt Pulley (#40) using:  
one M10\*65 SHCS (#92)      two  $\Phi 11 \times \Phi 20 \times 2$  Flat Washers (#103)  
one M10 Nylon Lock Nut (#101)  
And through two Belt Pulleys on the Weight Stack Frame Assy (#1).
3. Attach the other end of The Belt ASSY (#41) to the Top plate ASSY (#70) using:  
one M10\*45 SHCS (#94)      two  $\Phi 11 \times \Phi 20 \times 2$  Flat Washers (#103)  
one M10 Nylon Lock Nut (#101)  
Attach two  $\Phi 17 \times 49$  Belt Rubber Sleeves (#48) to the Weight Stack Frame Assy (#1) using:  
two  $\Phi 15 \times \Phi 8 \times 65.5$  Spacer Pins (#69)      two  $\Phi 6$  Shaft Ring Opening (#80)
4. Attach the Cable (#46) to the Cam Frame ASSY (#12).  
And attach the other end of The Cable (#46) through four 4.5" Pulleys on the Weight Stack Frame Assy (#1) and The Seat Frame ASSY (#2) to the the Bracket of Belt Pulley (#3) using:  
one M10\*45 SHCS (#94)      two  $\Phi 11 \times \Phi 20 \times 2$  Flat Washers (#103)  
one M10 Nylon Lock Nut (#101)
5. Attach the Shield (#31) to The Seat Frame ASSY (#2) using:  
two  $\Phi 6.6 \times \Phi 12 \times 1.6$  Flat Washers (#105)      two M6\*15 BHCS (#99)

**Note: Wrench Tighten Bolts and Nylon Lock Nuts.**

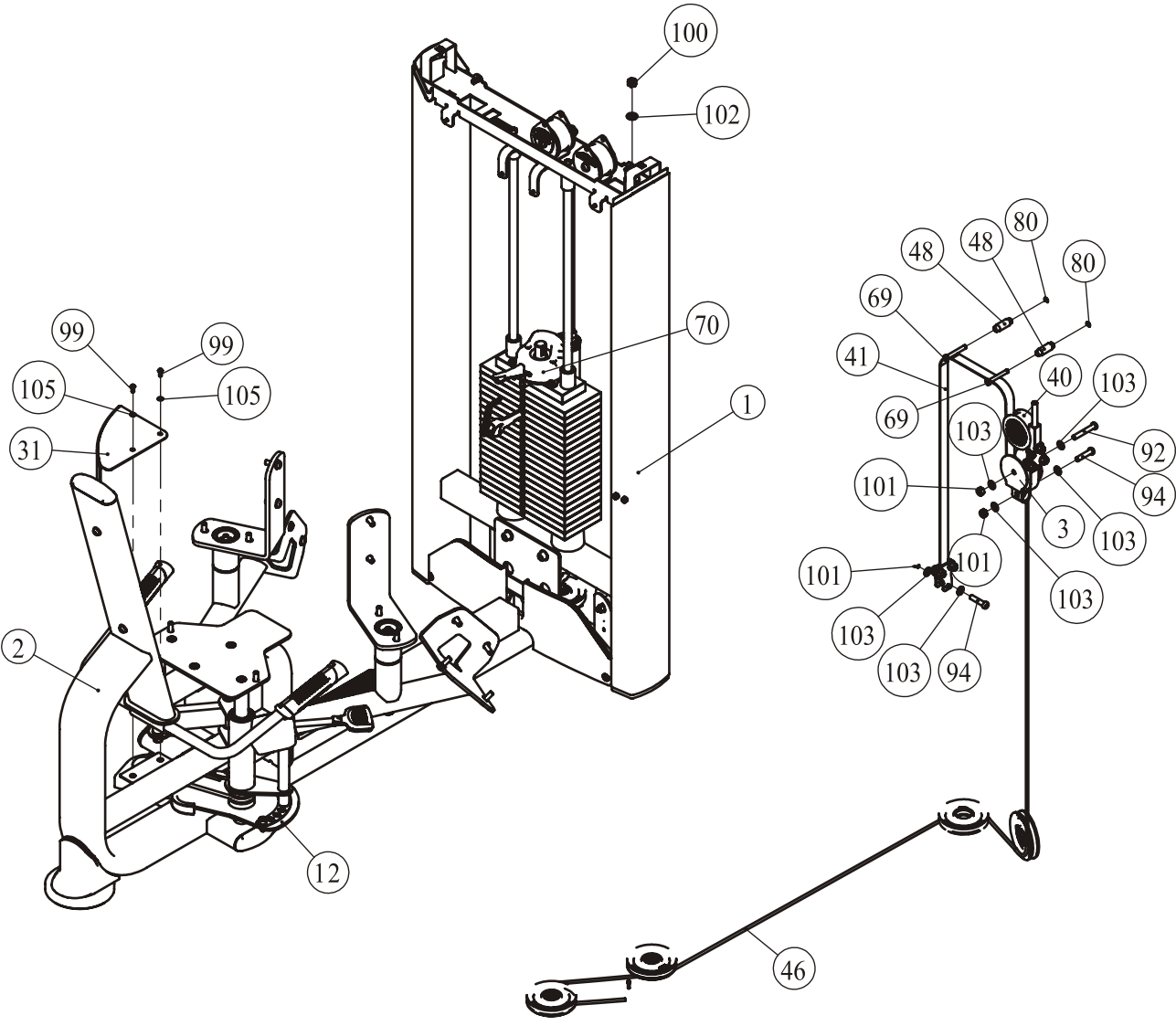
## Step 6

1. Attach the Back Lower Cover (#77) to the Weight Stack Frame Assy (#1) using:  
three M6\*20 BHCS (#98)      three  $\Phi 6.6 \times \Phi 12 \times 1.6$  Flat Washers (#105)
2. Attach two Front Shroud (#64) to the Front Lower Cover (#65) on the Weight Stack Frame Assy (#1).
3. Assemble the Console PCB, and attach the Training Placard Cover ASSY (#63) to the Weight Stack Frame Assy (#1) using:  
four M6\*15 BHCS (#99)      four  $\Phi 6.6 \times \Phi 12 \times 1.6$  Flat Washers (#105)
4. Attach the Back Shroud (#78) to the Back Lower Cover (#77) and the Weight Stack Frame Assy (#1) using:  
two  $\Phi 6.6 \times \Phi 12 \times 1.6$  Flat Washers (#105)      two M6\*20 BHCS (#98)
5. Attach the Top Cover (#66) to the Weight Stack Frame Assy (#1) using:  
two M6\*20 BHCS (#98)      two  $\Phi 6.6 \times \Phi 12 \times 1.6$  Flat Washers (#105)

**Note: Wrench Tighten Bolts.**

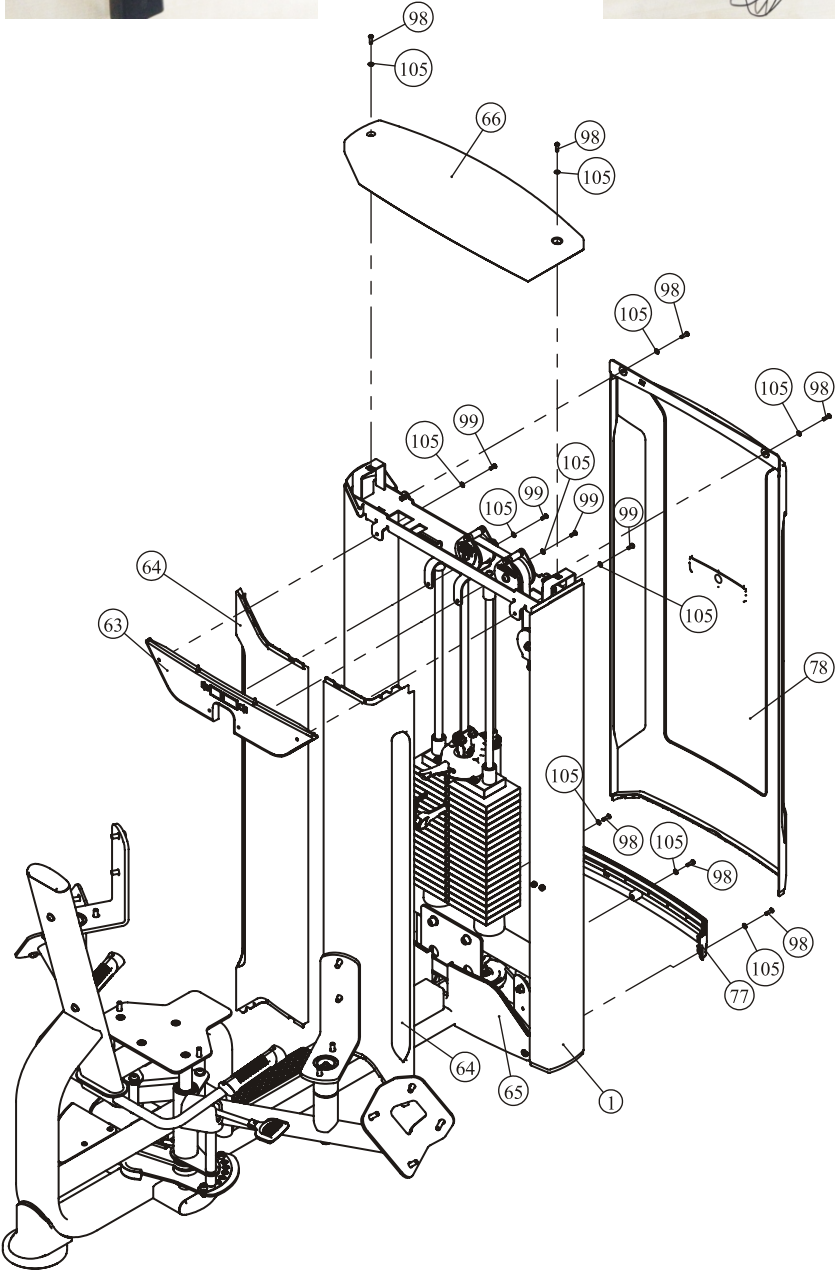
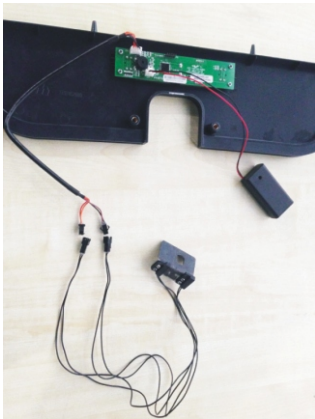
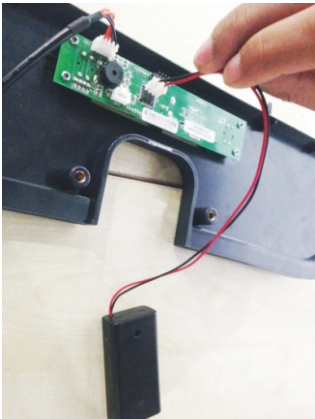
# Assembly

## STEP 5



# Assembly

## STEP 6



# Assembly

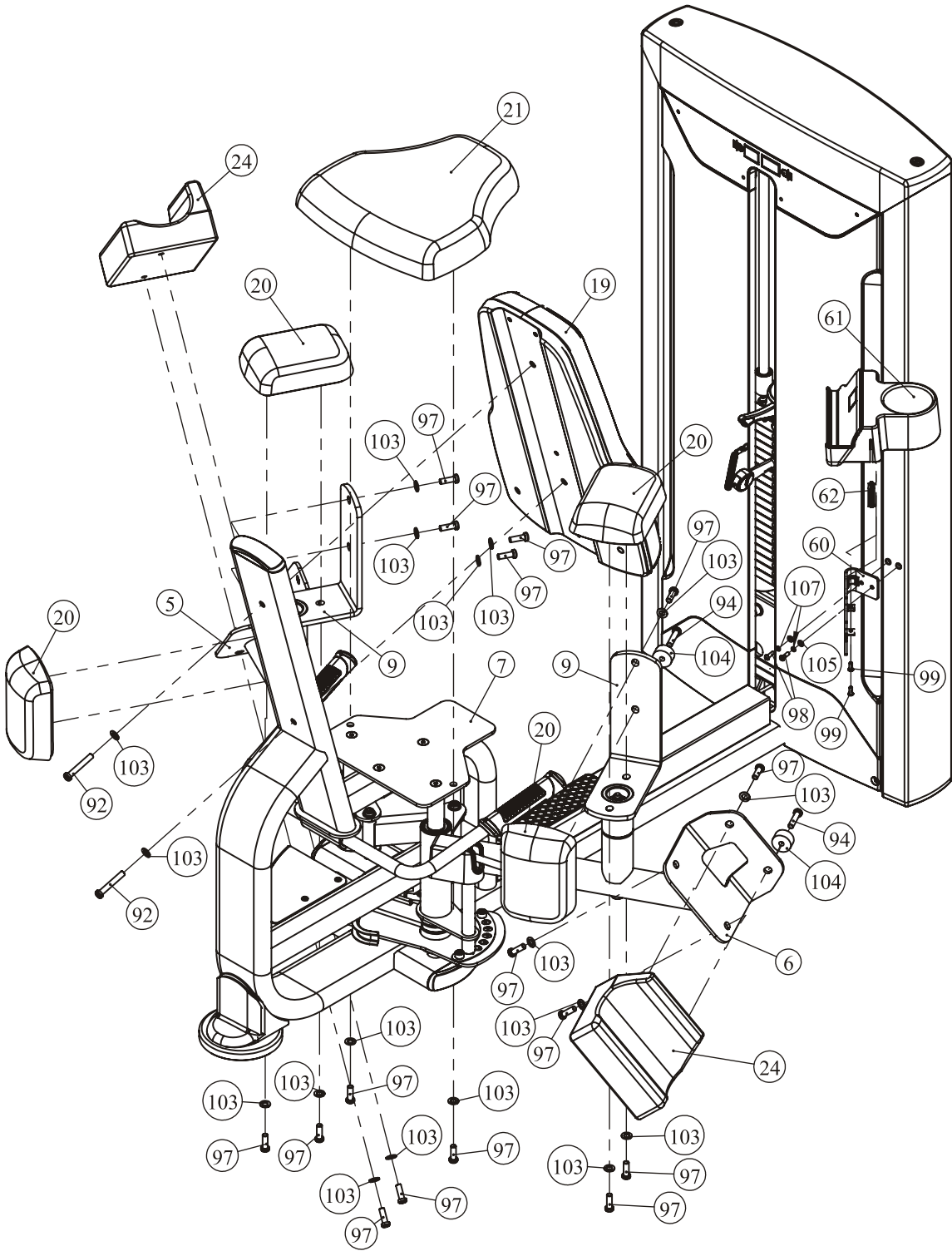
## STEP 7

1. Attach the Plastic End Cap (#62) to the Cup Holder ASSY (#61).  
Attach the Plastic End Cap (#62) and the Cup Holder ASSY (#61) to the Bracket of Cup Holder (#60) using:  
two M6\*15 BHCS (#99)  
Attach the Assemble good parts (#61/#62/#60) to the Weight Stack Frame Assy (#1) using:  
two  $\Phi 6.6 \times \Phi 12 \times 1.6$  Flat Washers (#105)  
two M6\*20 BHCS (#98)  
two  $\Phi 6$  Spring Washer (#107)
2. Attach the Seat Pad (#21) to the Seat Pad Support Plate (#7) using:  
two M10\*30 SHCS (#97)  
two  $\Phi 11 \times \Phi 20 \times 2$  Flat Washers (#103)
3. Attach the Back Pad (#19) to the Seat Frame ASSY (#2) using:  
two M10\*65 FHCS (#92)  
two  $\Phi 11 \times \Phi 20 \times 2$  Flat Washers (#103)
4. Attach two Leg Pad (#24) to the Left Leg Frame ASSY (#5) and the Right Leg Frame ASSY (#6) using:  
seven M10\*30 SHCS (#97)  
seven  $\Phi 11 \times \Phi 20 \times 2$  Flat Washers (#103)  
one  $\Phi 38 \times 19.5$  Plug Bumper (#104)  
one M10\*45 SHCS (#94)
5. Attach four Leg Stand Pad (#20) to the Front Leg Frame ASSY (#9) using:  
seven M10\*30 SHCS (#97)  
seven  $\Phi 11 \times \Phi 20 \times 2$  Flat Washers (#103)  
one  $\Phi 38 \times 19.5$  Plug Bumper (#104)  
one M10\*45 SHCS (#94)

**Note: Wrench Tighten Bolts and Nylon Lock Nuts.**

# Assembly

## STEP 7



# Adjust Instructions

## The use of Selector Pin W/Coil

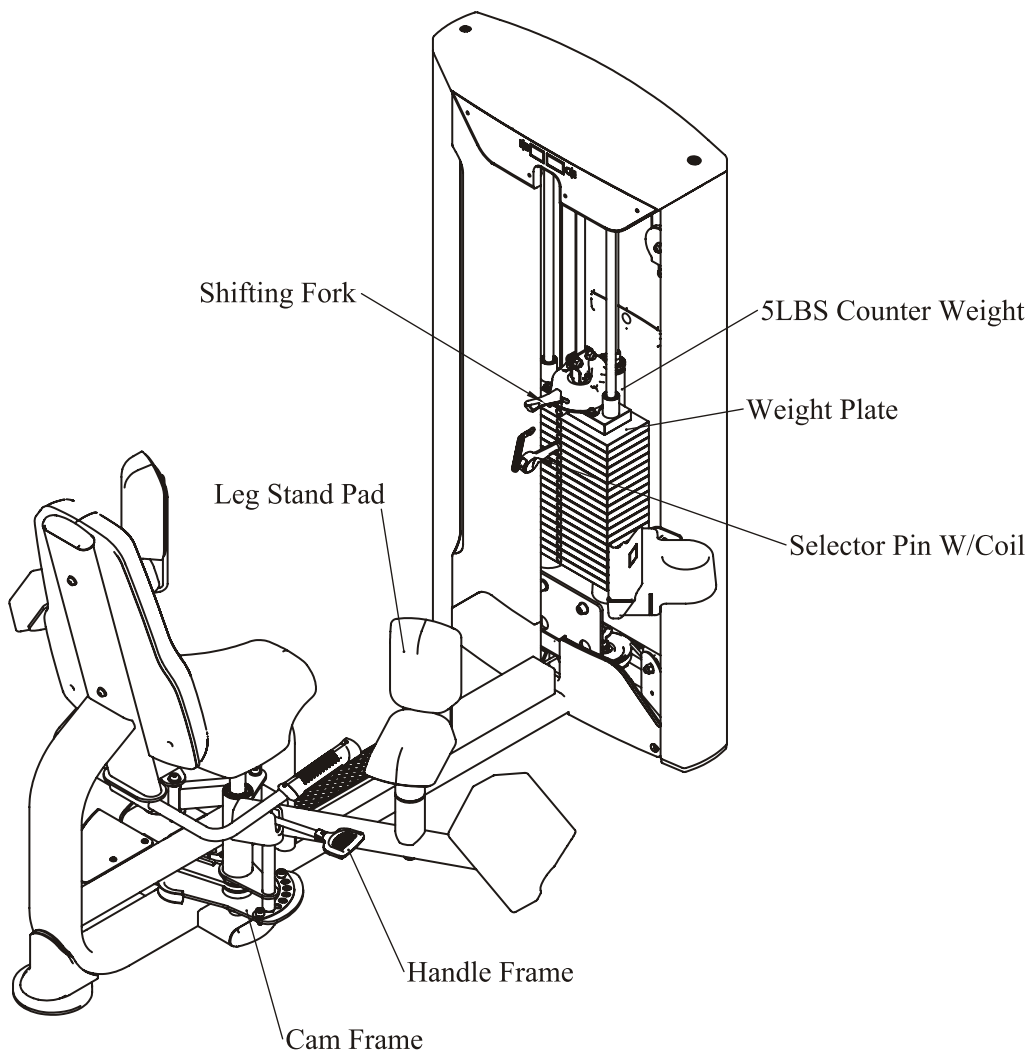
1. Select an appropriate weight and put the Selector Pin W/Coil into the hole on it.
2. Make sure the Selector Pin W/Coil gets into the hole completely.

## The 5LBS Counter Weight adjustment

1. Toggle the Shifting Fork to the desired position.
2. Make sure the Shifting Fork get into the Fillister completely.

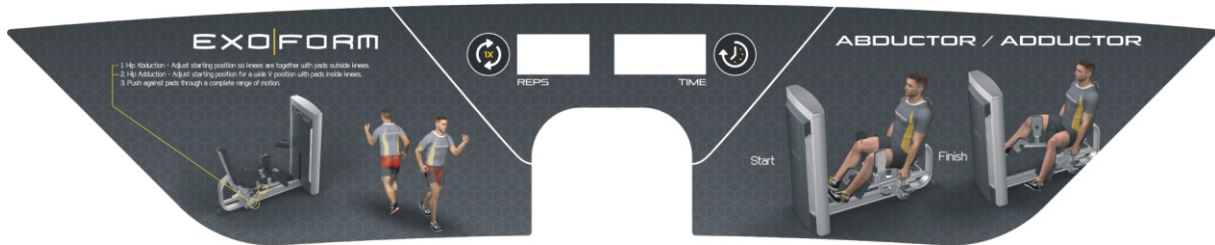
## The Leg Stand Pad adjustment

1. Pull out the pin and adjust Leg Stand Pad to the desired position.
2. Make sure the pin get into the hole completely.





# Exercise Instructions



1. Hip Abduction - Adjust starting position so knees are together with pads outside knees.
2. Hip Adduction - Adjust starting position for a wide V position with pads inside knees.
3. Push against pads through a complete range of motion.



Start



Finish





# Console Panel Function



## 1. CONSOLE PANEL FUNCTION

### 1.1 TIME WINDOW

Indicates elapsed time after pressing start in minutes and seconds (0-99minutes, 0-59seconds).

### 1.2 REPS WINDOW

Indicates times of workout cycle (0-999).

## 2. BUTTONS

2.1 REPS RESET: Reset value of REPS window.

2.2 TIME RESET: Reset value of TIME window

## 3. SAVE POWER MODE

3.1 Switched on automatically when there is signal input.

3.2 The screen turn off of self after 3 minutes in stop station.

# Battery Replacement

## Battery replacement

For this computer you need 2 pcs. 1.5V AA batteries. If the display quality gets poor, you should replace the battery. Therefore please open the battery case cover on the back side of your computer and replace the old battery by a fitting new one. Close the case cover properly.



**You must check the batteries regularly to prevent leakage from damaging console.**

## Battery-Disposal

Batteries should not be considered as regular garbage. As consumer you are obliged to return finished batteries. The finished batteries can be returned to a collection base at your residential area or at places, where batteries can be bought.



**WE RECOMMEND THE USE OF ALCALI-MANGAN BATTERIES.**

You will find these symbols on batteries, which contain harmful substances:

Pb = Battery contains lead

Cd = Battery contains cadmium

Hg = Battery contains mercury



Pb



Cd



Hg

# 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 bolts 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.

