

IF9320

WEIGHT ASSISTED CHIN/DIP COMBO OWNER'S MANUAL

20S Rev B

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

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CAUTION!

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Please assemble according to the actual **Weights and Shroud** 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 0.6 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.

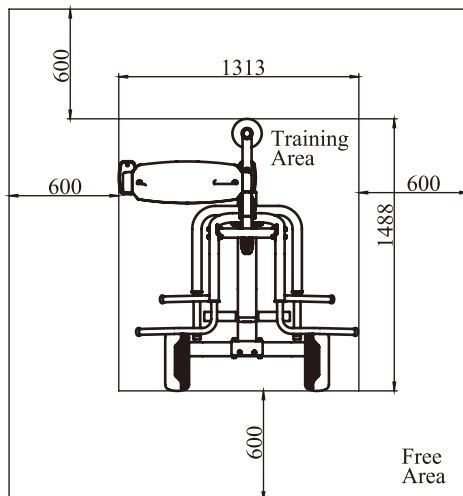
Important Safety Instructions

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 Dimension: 1313*1488*2498mm

Product Total Surface: 1313*1488mm

Product Total Mass:

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

Overall

ItemNo.	Grade No.	Part No.	Description	QTY
1	1	IF932001ASSY	Weight Stack Frame ASSY	1
2	2	IF93012100	Top Bracket	2
3	3	IF930122ASSY	Bottom Bracket ASSY	1
4	4	IF93013100	Training Placard Cover	1
5	5	IF93013200	Top Cover	1
6	6	IF93013300	Right Plug	1
7	7	IF93013400	Left Plug	1
8	8	IT95014200	Top Plate	1
9	9	IT95015500	Top Rear Shroud	1
10	10	IT95014400	Guide Rod $\Phi 19 \times 1242$	2
11	11	IF932002ASSY	The Floor Stand ASSY	1
12	12	IF932003ASSY	Foot Frame ASSY	1
13	13	IF932004ASSY	Swing Frame ASSY	1
14	14	IF932005ASSY	Set Up Frame ASSY	1
15	15	IF932006ASSY	Arm Frame ASSY	1
16	16	IF932007ASSY	Right Arm Frame ASSY	1
17	17	IF932008ASSY	Left Arm Frame ASSY	1
18	18	IF93205600	Cable ASSY	1
19	19	SG500110400V5	4.5" Pulley (Spacer)	5
20	20	IF93012600	shaft $\Phi 25 \times 133 \times M10$	1
21	21	IT95016400	Pulley Cover	2
22	22	IT95015600	Rear Shroud	1
23	23	IT80124103	Split Pin $\Phi 11 \times 76$	1
24	24	IT80023000	Weight Rubber Bumper	2
25	25	FE97212000	Circle Ring $\Phi 62.5 \times 5$	2
26	26	FE97211900	Cap $\Phi 60$	2
27	27	IT90012000V1	Selector Pin W/Coil	1
28	28	IT95016100	Guide Rod Fixing Sleeve $\Phi 25 \times \Phi 19 \times 45$	2
29	29	HFOPT900-04A0602	Spring $\Phi 15.5 \times \Phi 1.5 \times 36$	2

Exploded View and Parts List

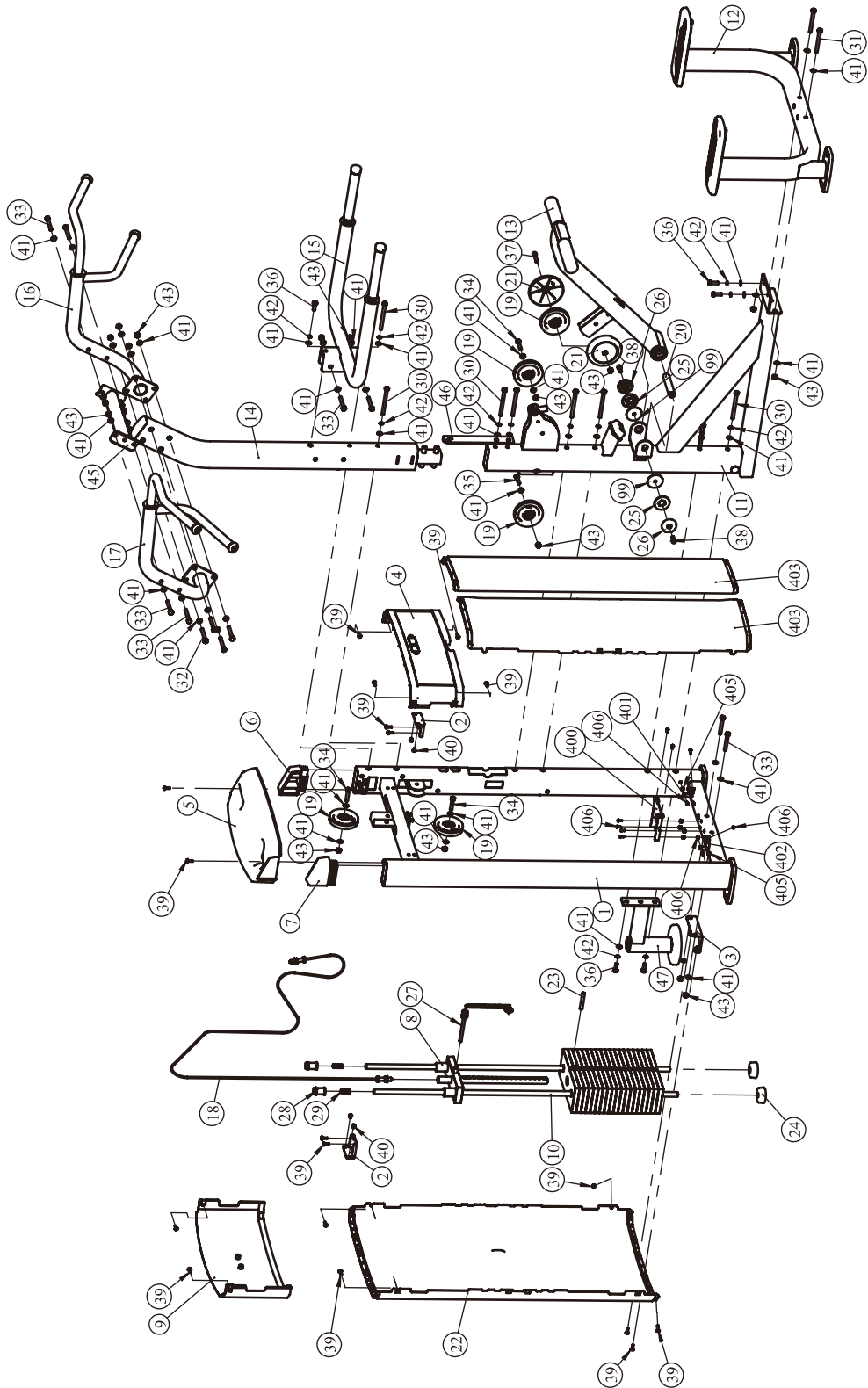
Overall

ItemNo.	Grade No.	Part No.	Description	QTY
30	30	GB5780M10*120DS20	Hex Head Bolt M10*120	8
31	31	GB5780M10*100DS20	Hex Head Bolt M10*100	2
32	32	GB5780M10*80DS20	Hex Head Bolt M10*80	4
33	33	GB5780M10*75DS20	Hex Head Bolt M10*75	8
34	34	GB5780M10*50DS20	Hex Head Bolt M10*50	3
35	35	GB5780M10*45DS20	Hex Head Bolt M10*45	1
36	36	GB5780M10*30DS20	Hex Head Bolt M10*30	5
37	37	GB70M10*50DS20	Socket Head Cap Screw M10*50	1
38	38	GB70M10*25DS20NL	Socket Head Cap Screw M10*25	2
39	39	GB818M6*20*20N19	Cross Recessed Pan Head Screw M6*20	18
40	40	GB818M6*10N19	Cross Recessed Pan Head Screw M6*10	4
41	41	GB9510DS2	Flat Washer $\Phi 11 \times \Phi 20 \times 2$	48
42	42	GB9310DS12	Spring Washer $\Phi 10$	13
43	43	NM10DS2	Nylon Lock Nut M10	19
44	45	IF93200900	Rear Connection Frame	1
45	46	IF93201000	Reinforcing Plate	1
46	47	IF932011ASSY	Rear Frame ASSY	1
47	99	IF93062200	Washer $\Phi 62 \times \Phi 10.5 \times 3$	1
48	49	NBS8DHS	Hex Key S=8	1
49	50	LW200BS	Wrench $\Phi 6 \times 117$	1
50	51	YHY	Lube	1
51	200	IT9501C3100	Half Rear Shroud	1
52	400	IF9301B21ASSY	Front Bracket ASSY	1
53	401	IF93SH0102ASSY	Right Bracket ASSY	1
54	402	IF93SH0103ASSY	Left Bracket ASSY	1
55	403	IF93SH020100	Front Shroud	2
56	405	ECU7P3500	Plastic Nut	8
57	406	GB9074ST 4.2*16DHS	Cross Disc Self Tapping Screw ST4.2*16	12

Exploded View and Parts List

Overall

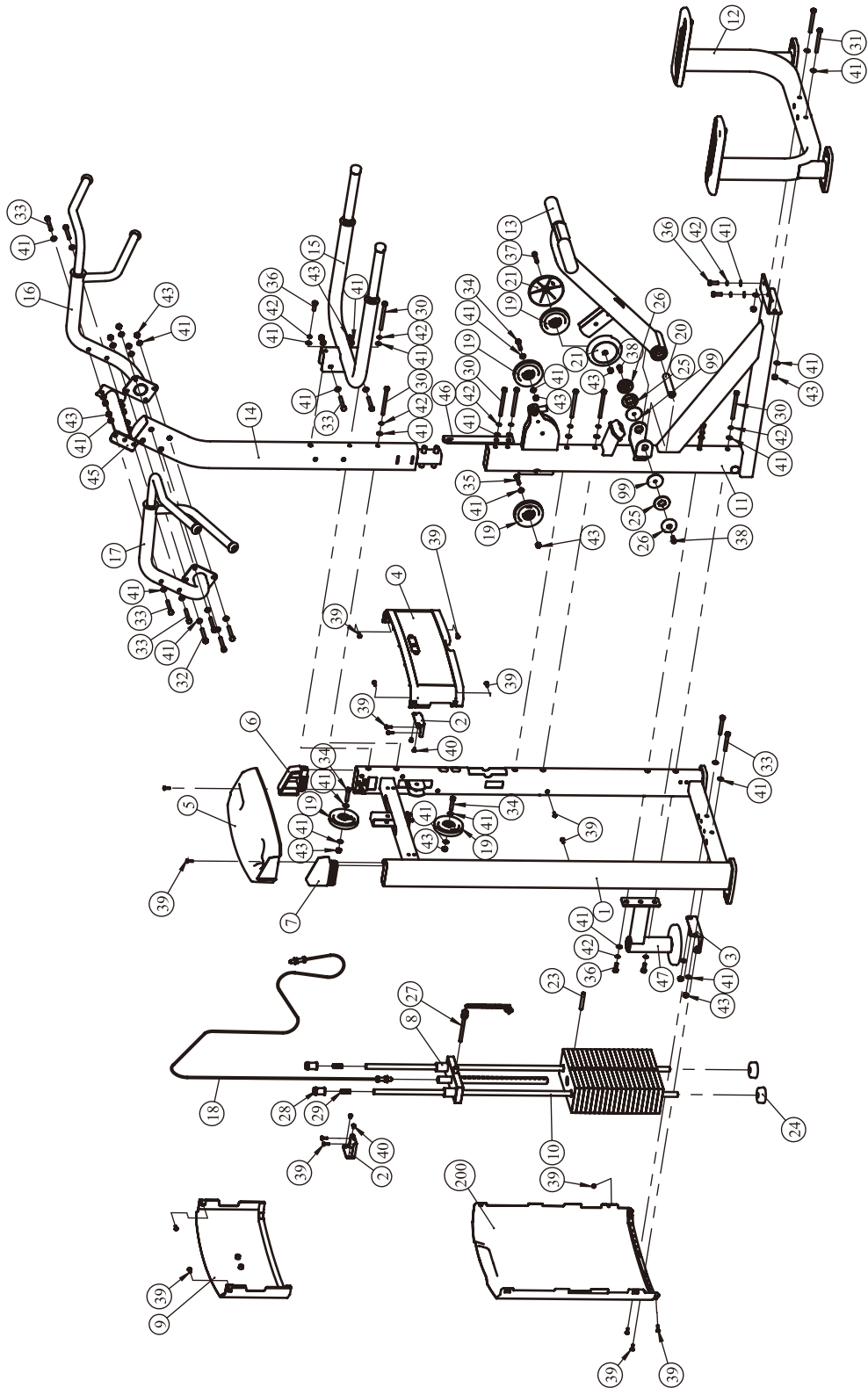
Full Shroud



Exploded View and Parts List

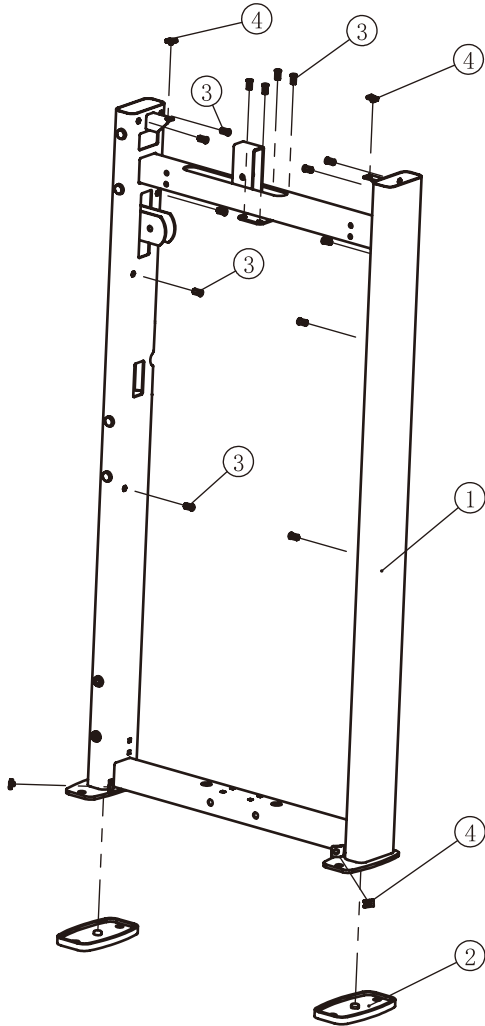
Overall

Half Rear Shroud

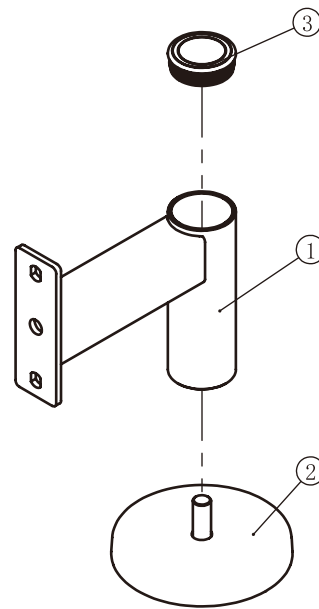


Exploded View and Parts List

Weight Stack Frame ASSY



Rear Frame ASSY

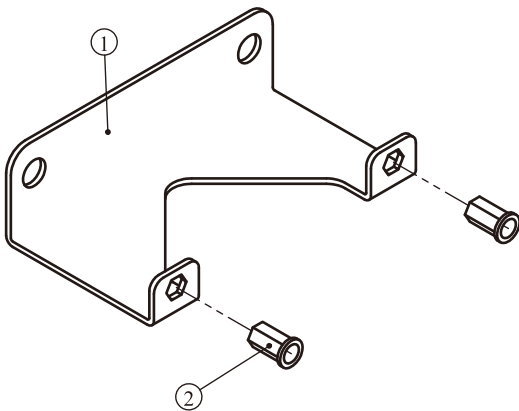


ItemNo.	Grade No.	Part No.	Description	QTY
1	1.1	IF93200100	Weight Stack Frame	1
2	1.2	BS81223100	Foot Plate	2
3	1.3	GB17880.5M6*16.5DS17	Rivet Nut M6	14
4	1.4	AC32705800	U-nut M6	4

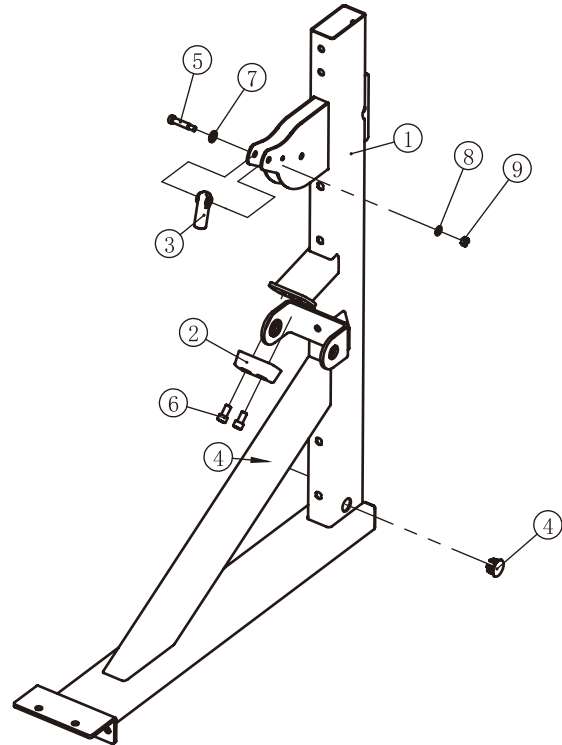
ItemNo.	Grade No.	Part No.	Description	QTY
1	47.1	IF93201100	Rear Frame	1
2	47.2	SD1000B3000ASSY	Adjustable Foot Plate	1
3	47.3	PBF40014	Pipe $\Phi 60$	1

Exploded View and Parts List

Bottom Bracket ASSY



The Floor Stand ASSY

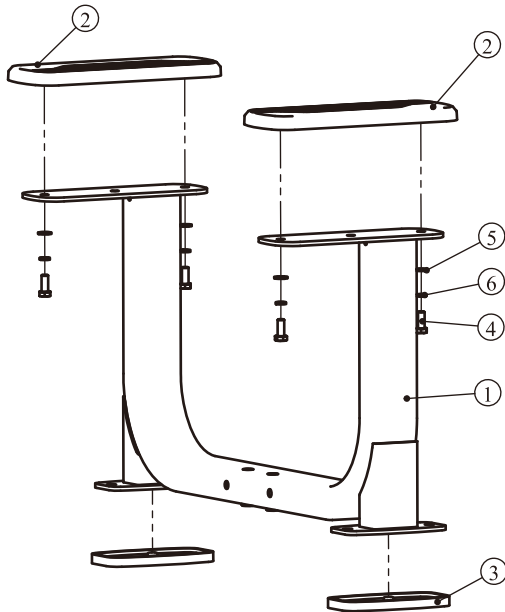


ItemNo.	Grade No.	Part No.	Description	QTY
1	3.1	IF93012200	Bottom Bracket	1
2	3.2	GB17880.5M6*16.5DS17	Rivet Nut M6	2

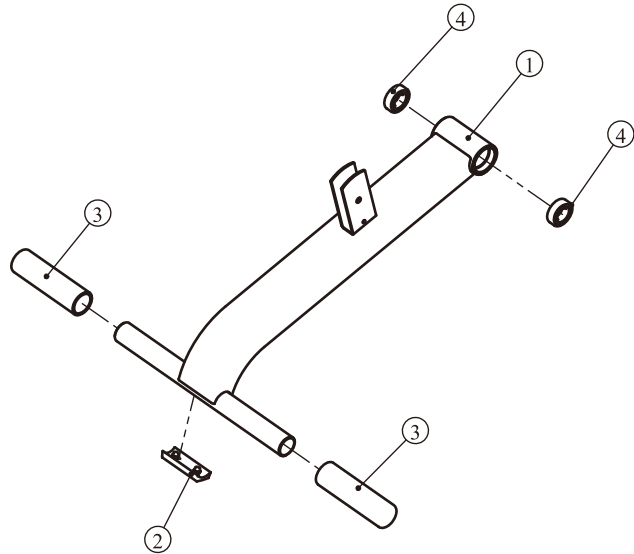
ItemNo.	Grade No.	Part No.	Description	QTY
1	11.1	IF93200200	The Floor Stand	1
2	11.2	RS17000400	Bumper	1
3	11.3	IF930127ASSY	Cable Connector ASSY	1
4	11.4	E7DZB1000	Plug $\Phi 31.5 \times 18$	2
5	11.5	IF81105500V1	Cable Retaining Bolt	1
6	11.6	GB70M10*20DS20	Socket Head Cap Screw M10*20	2
7	11.7	GB9510DS2	Flat Washer $\Phi 11 \times \Phi 20 \times 2$	1
8	11.8	GB958DS2	Flat Washer $\Phi 9 \times \Phi 16 \times 1.6$	1
9	11.9	NM8DS2	Nylon Lock Nut M8	1

Exploded View and Parts List

Foot Frame ASSY



Swing Frame ASSY

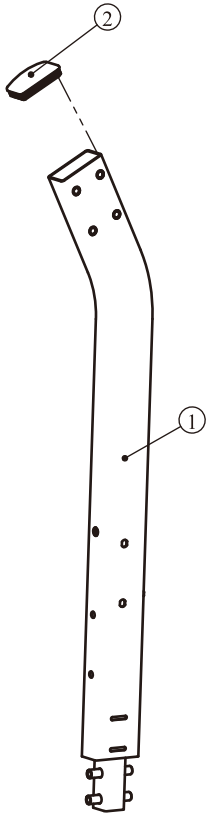


ItemNo.	Grade No.	Part No.	Description	QTY
1	12.1	IF93200300	Foot Frame	1
2	12.2	FE97202100	Foot	2
3	12.3	BS81223100	Foot Plate	2
4	12.4	GB5781M10*25DS20	Hex Head Bolt M10*25	4
5	12.5	GB9510DS2	Flat Washer $\Phi 11*\Phi 20*2$	4
6	12.6	GB9310DS12	Spring Washer $\Phi 10$	4

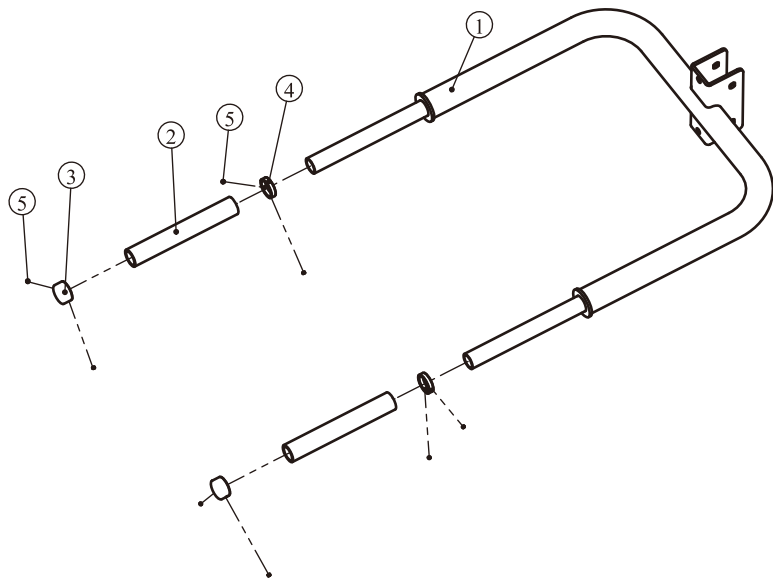
ItemNo.	Grade No.	Part No.	Description	QTY
1	13.1	IF93200400	Swing Frame	1
2	13.2	IF93203100	Bumper	1
3	13.3	FE970112000	Foot Set	2
4	13.4	GB2766205-2ZC3	Deep Groove Ball Bearing $\Phi 25*\Phi 52*15$	2

Exploded View and Parts List

Set Up Frame ASSY



Arm Frame ASSY

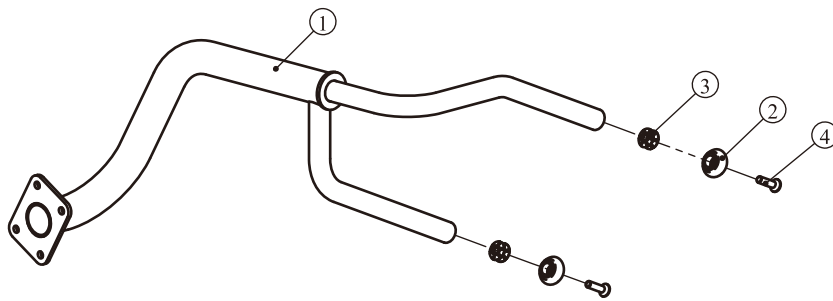


ItemNo.	Grade No.	Part No.	Description	QTY
1	14.1	IF93200500	Set Up Frame	1
2	14.2	VLP8000	Plug □50*100	1

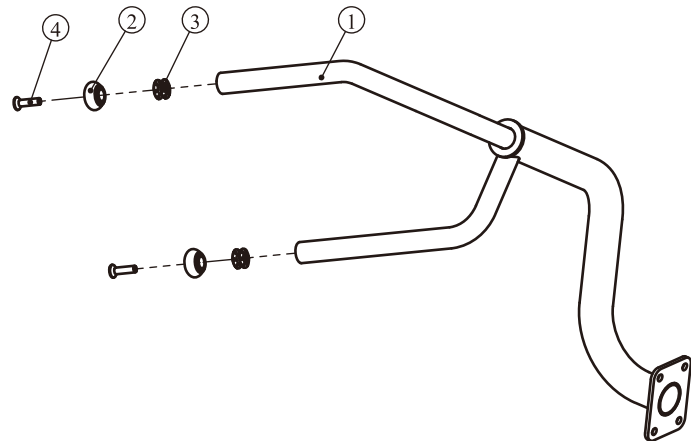
ItemNo.	Grade No.	Part No.	Description	QTY
1	15.1	IF93200600	Arm Frame	1
2	15.2	026-01PL0235-38	Grip STΦ36*Φ29*232	2
3	15.3	V39000	Aluminum Grip Cap Φ32	2
4	15.4	V38900	Aluminum Grip Ring Φ32	2
5	15.5	YZGB7710-32*3.2N19	Socket Set Screw 10-32UNF*3.2	8

Exploded View and Parts List

Right Arm Frame ASSY



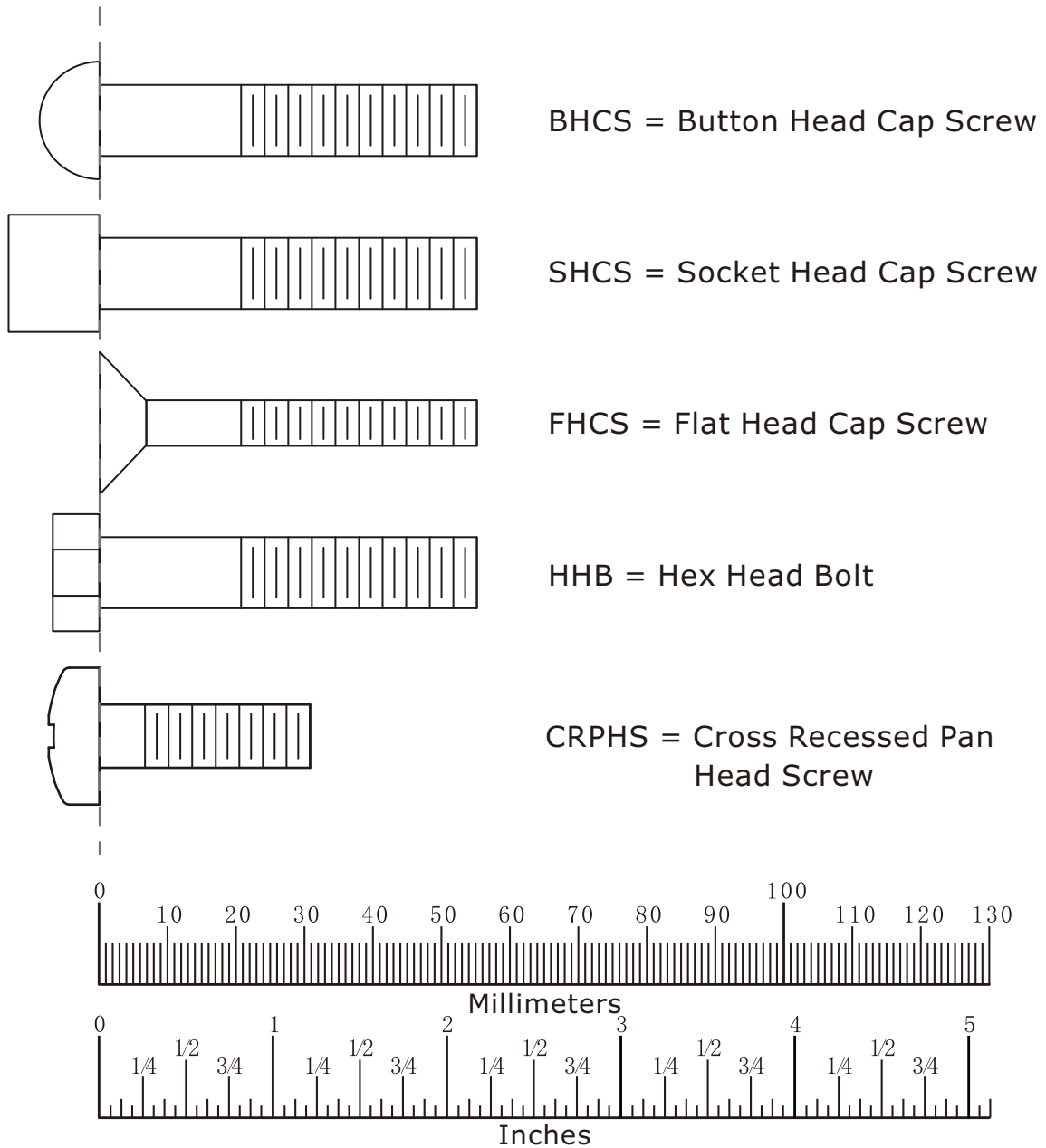
Left Arm Frame ASSY



ItemNo.	Grade No.	Part No.	Description	QTY
1	16.1	IF93200700	Right Arm Frame	1
2	16.2	IT9030B9500	Cap $\Phi 25$	2
3	16.3	IF81212700	Sun Nut	2
4	16.4	CNLM10*40*40DS20NL	Flat Head Cap Screw M10*40	2

ItemNo.	Grade No.	Part No.	Description	QTY
1	17.1	IF93200800	Left Arm Frame	1
2	17.2	IT9030B9500	Cap $\Phi 25$	2
3	17.3	IF81212700	Sun Nut	2
4	17.4	CNLM10*40*40DS20NL	Flat Head Cap Screw M10*40	2

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

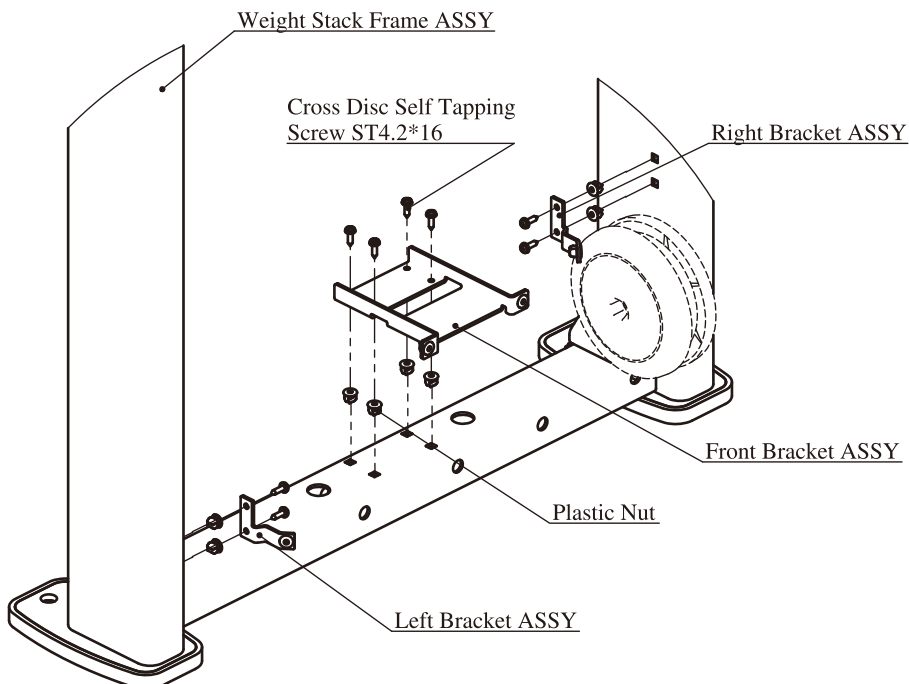
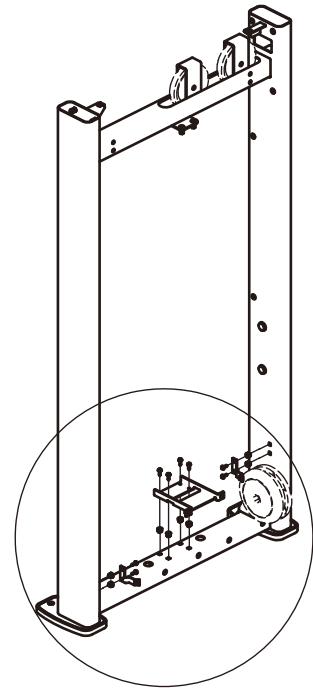
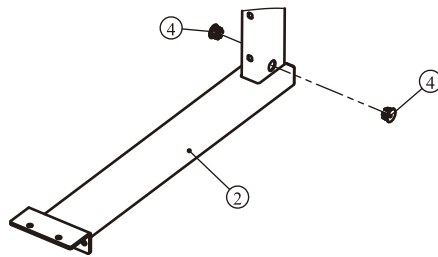
As with any assembled part, proper alignment and adjustment is critical. While tightening the fasteners, be sure to leave room for adjustments. Do not fully tighten the fasteners until instructed to do so. Be careful to assemble the components in the sequence presented in this guide.

Assembly

Full Shroud

Select STEP

1. Attach one Front Bracket ASSY to the Weight Stack Frame ASSY, using:
 - four Plastic Nut
 - four ST4.2*16 Cross Disc Self Tapping Screw
2. Attach one Right Bracket ASSY and one Left Bracket ASSY to the Weight Stack Frame ASSY using:
 - four Plastic Nut
 - four ST4.2*16 Cross Disc Self Tapping Screw
3. Remove the two Plug (#4) from the Floor Stand (#2).



Assembly

STEP 4

Here is the assembly instruction for **160LBS Weights !**

1. Attach:

two Guide Rod $\Phi 19 \times 1242$ (#10)

two Weight Rubber Bumper (#24)

fifteen Weight Plate 10LBS (#101)

two weight stack space (#103)

one Top Plate (#8)

to the Weight Stack Frame ASSY (#1) using:

two Guide Rod Fixing Sleeve $\Phi 25 \times \Phi 19 \times 45$ (#28)

two Spring (#29)

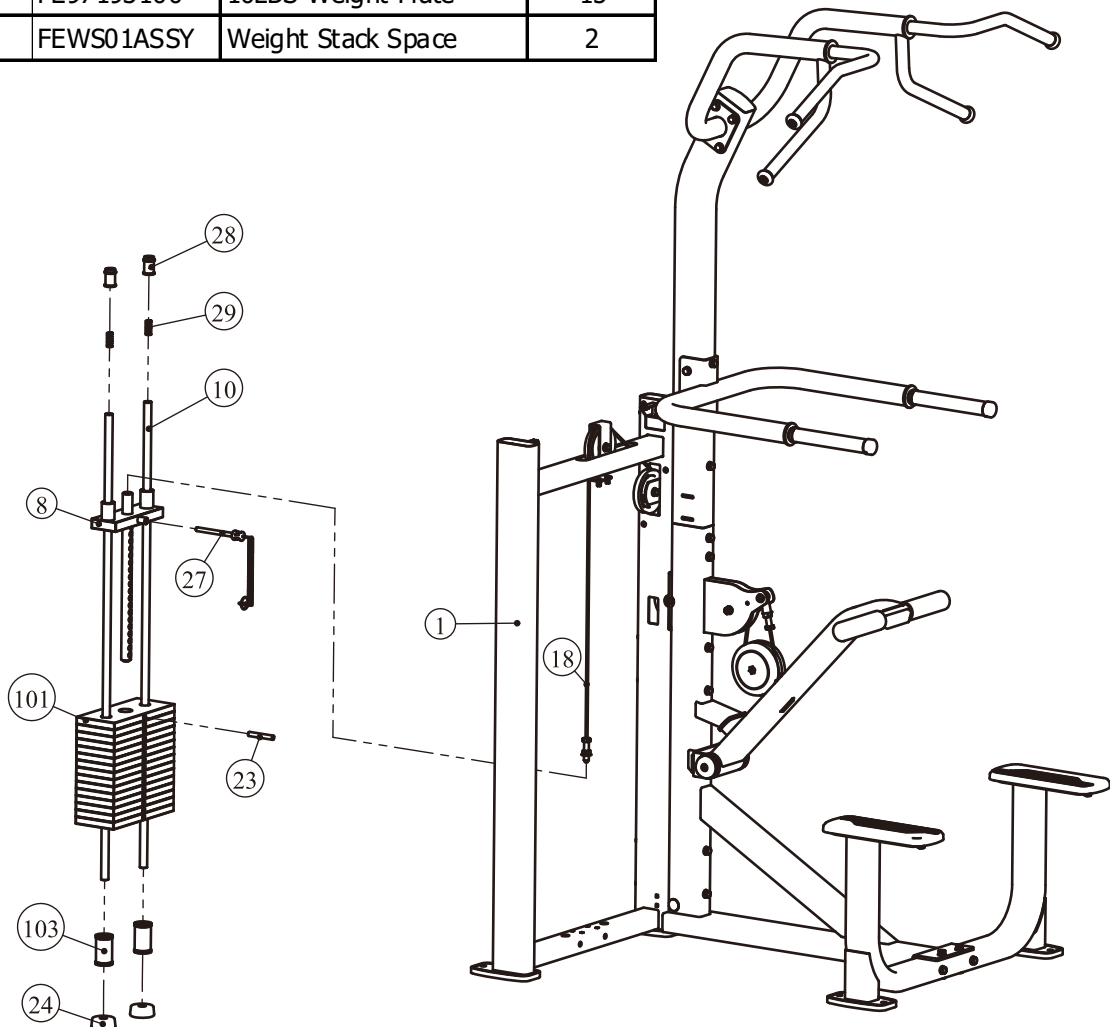
2. Attach the Selector Pin W/Coil (#27) to the Top Plate (#8).

3. Attach the Cable ASSY (#18) to the Top Plate (#8).

4. Attach the First Weight Plate 10LBS (#101) to the Top Plate (#8) using:

one Split Pin $\Phi 11 \times 76$ (#23)

Grade No.	Part No.	Description	QTY
101	FE97193100	10LBS Weight Plate	15
103	FEWS01ASSY	Weight Stack Space	2



Assembly

STEP 4

Here is the assembly instruction for **200LBS Weights !**

1. Attach:

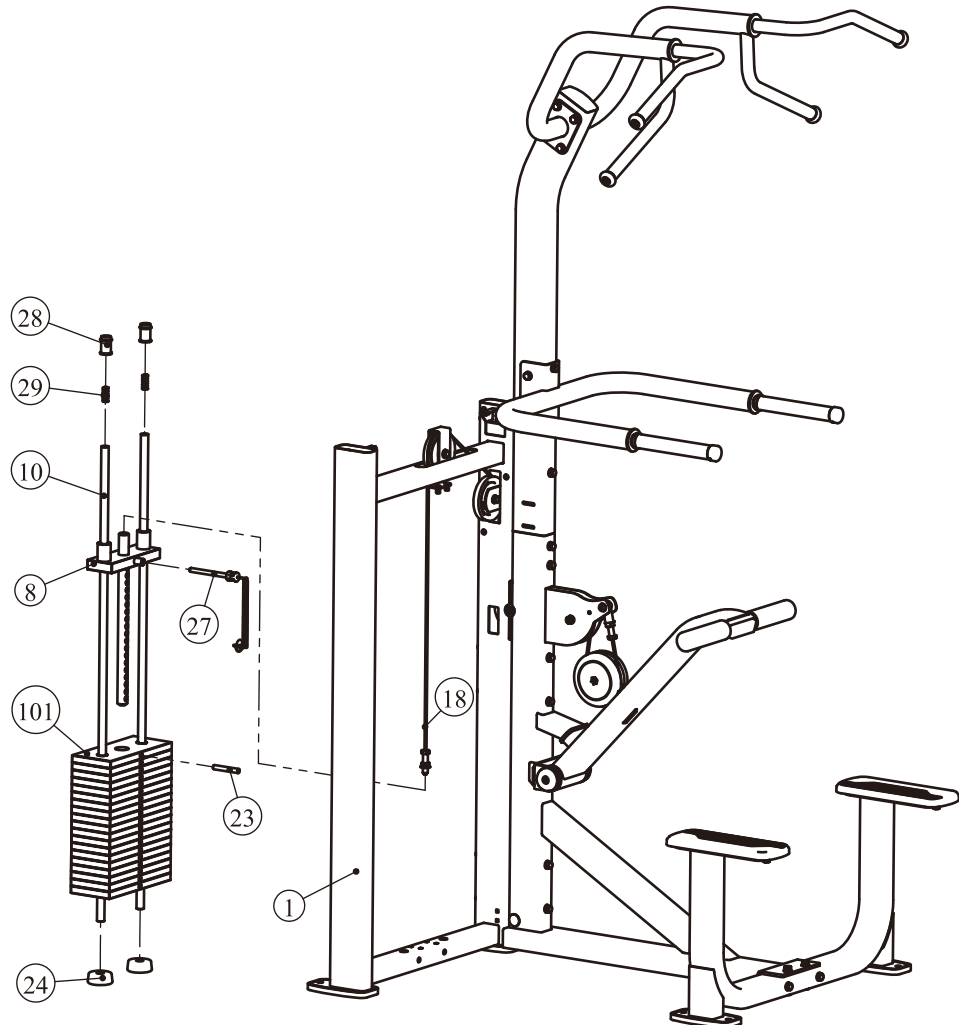
two Guide Rod $\Phi 19 \times 1242$ (#10) two Weight Rubber Bumper (#24)
 nineteen Weight Plate 10LBS (#101) one Top Plate (#8)
 to the Weight Stack Frame ASSY (#1) using:
 two Guide Rod Fixing Sleeve $\Phi 25 \times \Phi 19 \times 45$ (#28)
 two Spring (#29)

2. Attach the Selector Pin W/Coil (#27) to the Top Plate (#8).

3. Attach the Cable ASSY (#18) to the Top Plate (#8).

4. Attach the First Weight Plate 10LBS (#101) to the Top Plate (#8) using:
 one Split Pin $\Phi 11 \times 76$ (#23)

Grade No.	Part No.	Description	QTY
101	FE97193100	10LBS Weight Plate	19



Assembly

STEP 4

Here is the assembly instruction for **235LBS Weights !**

1. Attach:

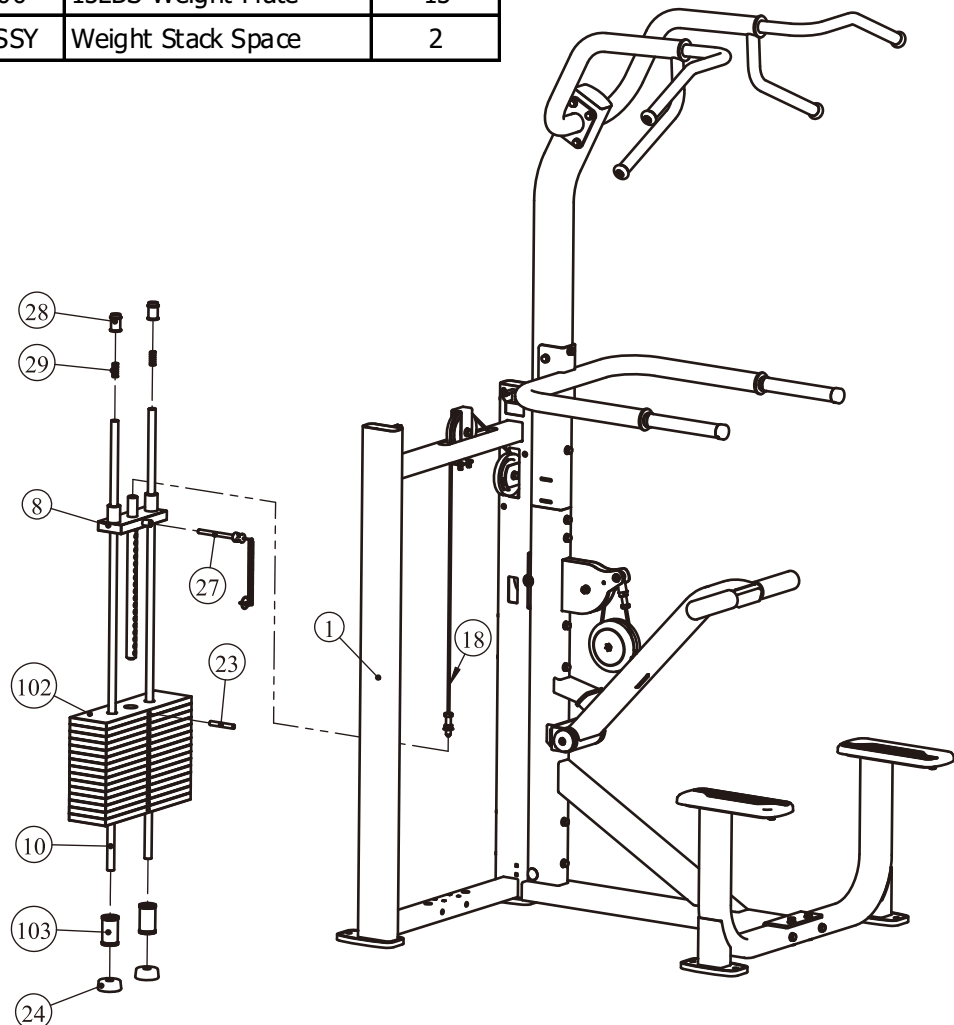
two Guide Rod $\Phi 19 \times 1242$ (#10) two Weight Rubber Bumper (#24)
 fifteen Weight Plate 15LBS (#102) two weight stack space (#103)
 one Top Plate (#8)
 to the Weight Stack Frame ASSY (#1) using:
 two Guide Rod Fixing Sleeve $\Phi 25 \times \Phi 19 \times 45$ (#28)
 two Spring (#29)

2. Attach the Selector Pin W/Coil (#27) to the Top Plate (#8).

3. Attach the Cable ASSY (#18) to the Top Plate (#8).

4. Attach the First Weight Plate 15LBS (#102) to the Top Plate (#8) using:
 one Split Pin $\Phi 11 \times 76$ (#23)

Grade No.	Part No.	Description	QTY
102	FE97193200	15LBS Weight Plate	15
103	FEWS01ASSY	Weight Stack Space	2



Assembly

STEP 4

Here is the assembly instruction for **295LBS Weights !**

1. Attach:

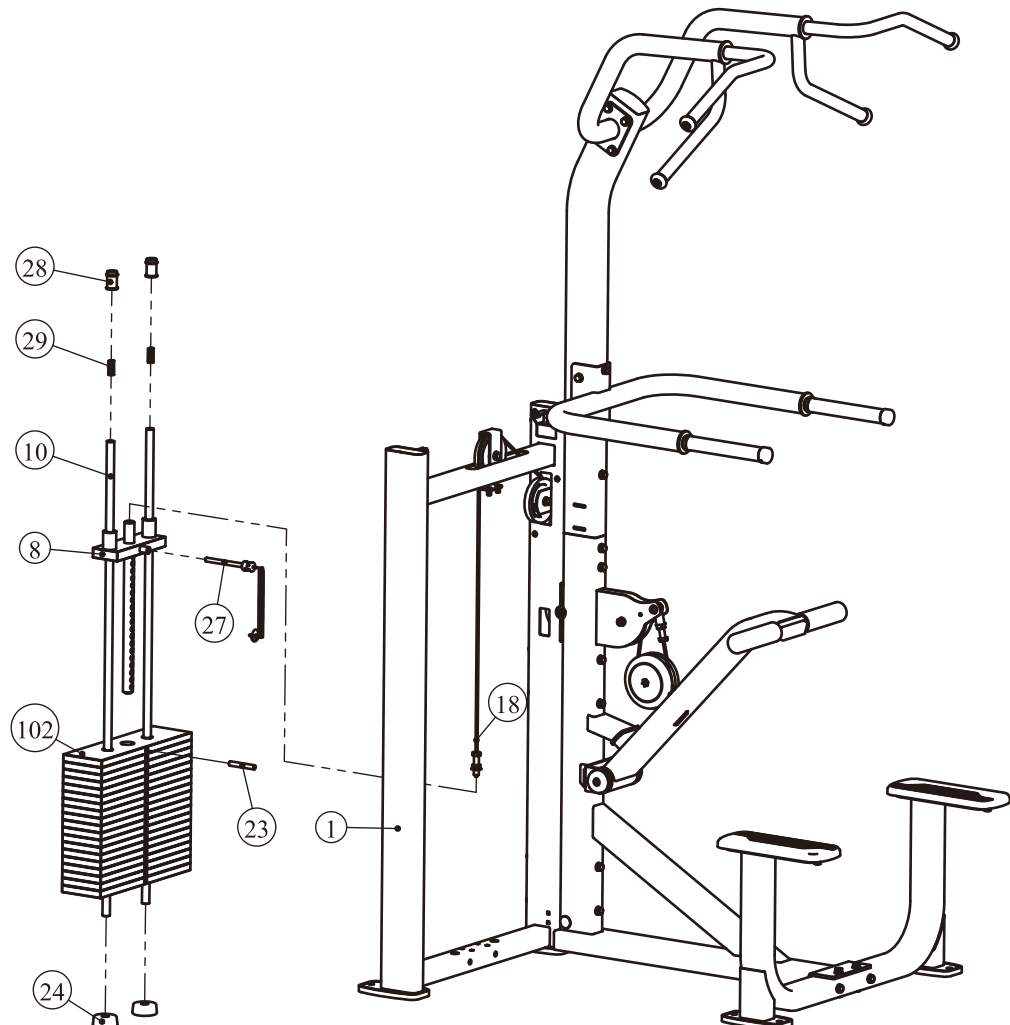
two Guide Rod $\Phi 19 \times 1242$ (#10) two Weight Rubber Bumper (#24)
 nineteen Weight Plate 15LBS (#102) one Top Plate (#8)
 to the Weight Stack Frame ASSY (#1) using:
 two Guide Rod Fixing Sleeve $\Phi 25 \times \Phi 19 \times 45$ (#28)
 two Spring (#29)

2. Attach the Selector Pin W/Coil (#27) to the Top Plate (#8).

3. Attach the Cable ASSY (#18) to the Top Plate (#8).

4. Attach the First Weight Plate 15LBS (#102) to the Top Plate (#8) using:
 one Split Pin $\Phi 11 \times 76$ (#23)

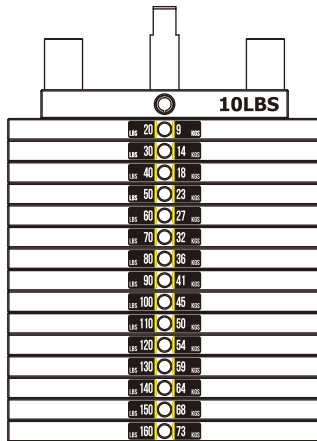
Grade No.	Part No.	Description	QTY
102	FE97193200	15LBS Weight Plate	19



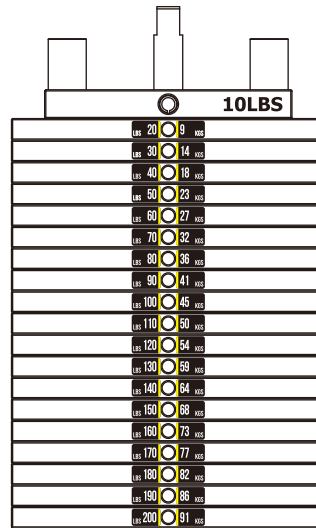
Assembly

All weight plate sticker paste schematic diagram

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

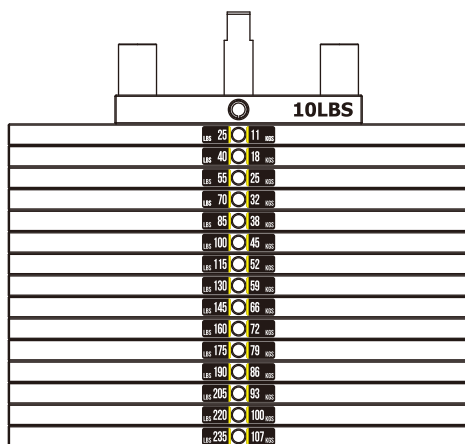


20-160LBS

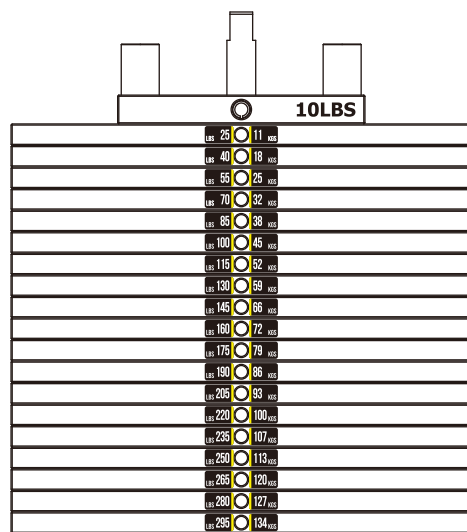


20-200LBS

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



25-235LBS

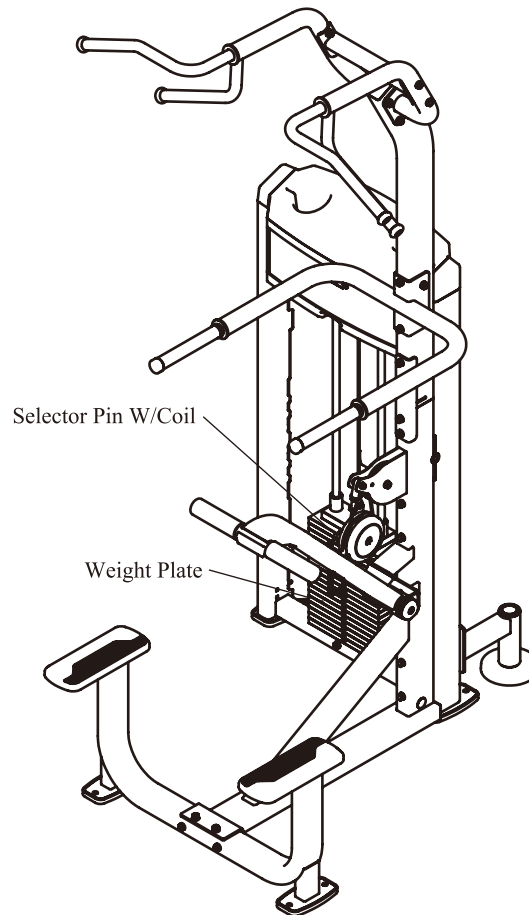


25-295LBS

Adjust Instructions and Exercise 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.



Exercise Instructions



Maintenance Schedule

ROUTINE	COMMERCIAL MAINTENANCE	HOME MAINTENANCE	LATEST DATE ENTRY					
Inspect; Links, Pull Pins, Snap Locks, Swivels, Weight Stack Pins	DAILY	WEEKLY						
Clean; Upholstery	DAILY	WEEKLY						
Inspect; Cables or Belts and their tension	DAILY	WEEKLY						
Inspect; Accessory Bars, and Handles	WEEKLY	3 MONTHS						
Inspect; All Decals	WEEKLY	3 MONTHS						
Inspect; All Nuts and Bolts, Tighten if needed	WEEKLY	3 MONTHS						
Inspect; Anti-Skid Surface	WEEKLY	3 MONTHS						
Clean & Lubricate; Guide Rods with a Teflon (PTFE) based lubricant (Superlube)	MONTHLY	3 MONTHS						
Lubricate; Seat Sleeves, Turcite Bushings, Linear Bearing	MONTHLY	3 MONTHS						
Clean and Wax; All Glossy Finishes	6 MONTHS	YEARLY						
Repack with Grease; Linear Bearings	6 MONTHS	YEARLY						
Replace; Cables, Belts and Connecting Parts	YEARLY	3 YEARS						

Your equipment comes with a commercial maintenance decal. For personal, in home use, please follow the home maintenance schedule listed above.

General Maintenance Information

Links, Pull-Pins, Snap Hooks, Swivels, Weight Stack Pins:

- * Check all pieces for signs of visible wear or damage.
- * Check springs in snap hooks and pull-pins for proper tension and alignment.
- * If the spring sticks or has lost its rigidity, replace it immediately.

Upholstery:

- * To ensure prolonged upholstery life and proper hygiene, all upholstered pads should be wiped down with a damp cloth after every workout.
- * Periodically take the time to use a mild soap or an approved vinyl upholstery cleaner to deter the onset of cracking or drying. Avoid using any abrasive cleaners or cleaners not intended for use on vinyl.
- * Replace ripped or worn upholstery immediately.
- * Keep sharp or pointed objects clear of all upholstery.

Decals:

- * Inspect and familiarize yourself with any safety warnings or other user information posted on each decal.

Nuts and Bolts:

- * Inspect all nuts and bolts for any loosening and tighten if needed.
- * Go through a re-tightening sequence periodically to ensure that all hardware is tensioned proper.

Anti-Skid Surfaces:

- * These surfaces are designed to supply secure footing and need to be replaced if they appear worn or become slippery.

Belts and Cables:

- * We use only high quality belt, and mil-spec cables.
- * Visually inspect the belts and cables for fraying, cracking, peeling or discoloration.
- * While the machine is not in use, carefully run your fingers along the belt or cable to feel for thinning or bulging areas.
- * Replace belts and cables immediately at the first signs of damage or wear. Do not use equipment until belts or cables have been replaced.

Belt and Cable Tension:

- * Referring to the Owners Manual, when belts or cables are used check all bolt attachments to be sure they are properly attached.
- * Check slack in cables and re-adjust cable tension if needed.

Seat Sleeves, Guide Rods:

- * Wipe down adjusting tubes with a dust free rag before applying lubricant.
- * Lubricate seat sleeves and Guide Rods with a Silicon or Teflon based lubricant spray.

Linear Bearings:

- * Referring to the Owners Manual carefully disassemble the bearing from its housing and place a finger full of light grease (lithium, super lube, etc.) into the inside of the bearing. Using your finger, press the grease into the ball-bearings and their tracks. Repeat until the ball-bearing tracks are full of grease. Insert the shaft back into the bearing and wipe off excess grease.

PLEASE KEEP THIS FOR YOUR RECORDS

Weight Training Tips

Use this manual to guide you through the basic exercises you can perform on your equipment. To gain maximum results and avoid possible injury, consult a fitness professional to develop your complete exercise program.

Always consult your physician before starting any exercise program.

To be successful in your exercise program, it is important to develop an understanding of the basic principles of strength training. Now that you have your equipment, it is only natural that you want to get started immediately. First, determine a set of realistic goals and objectives for yourself. By deciding on an exercise plan that is right for you prior to starting, you will contribute significantly to your success.

Warm up properly before engaging in weight resistance training. Stretching, yoga, jogging, calisthenics or other cardiovascular exercise can help prepare your body for the heavier workload of lifting weights.

Learn how to perform the exercise correctly before using heavy weight. Correct form is important to avoid injury and to ensure that you work the proper muscle groups.

Know your limitations. If you are new to weight training or are embarking on an exercise regimen after a long layoff, start slowly and build foundational strength over a longer period of time.

Pay attention to your breathing. Exhale when you exert is a general rule of thumb. Never hold your breath.

