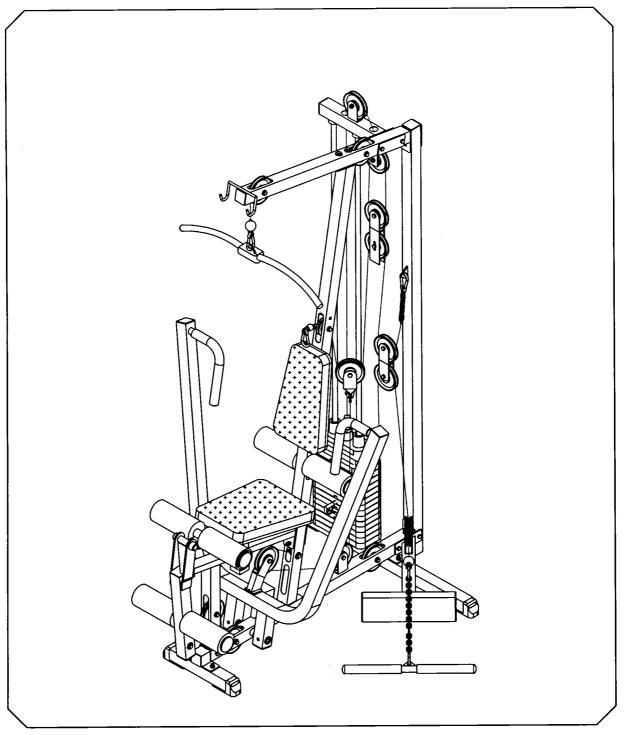
Body-Solid





BODY-SOLID,Inc. 1900 S. Des Plaines Ave. Forest Park, IL 60130 USA Phone:(708)427-3555 Fax:(708)427-3556 www.bodysolid.com

EXM-1500.4 OWNER'S MANUAL

TABLE OF CONTENTS

General Instructions	2
Training Tips and Safety Information	3
Hardware Illustrations	4-5
Parts Illustrations	6
Assembly (Step 1)	7-8
Assembly (Step 2)	9-10
Assembly (Step 3)	11-12
Assembly(Step 4)	13-14
Assembly (Step 5)	15-16
Assembly (Step 6)	17-18
Assembly(Step 7)	19-20
Assembly(Step 8)	21-22
Assembly (Step 9)	23-24
Cable Adjustments	25
Inspections and Maintenance Schedule	26



GENERAL INSTRUCTIONS

Thank you for purchasing the Body-Solid EXM1500S Gym. At Body-solid, our goal is to ensure customer satisfaction. If you have any questions about these instructions or have any problems with assembly or parts for this machine, please call our Customer Service Department at 1-800-556-3113.

Prior to assembling any Body-Solid machine, please take the time to read the instructions thoroughly. Please use this manual to make sure that all parts have been included with your shipment. When ordering replacement parts, please refer to the part number and description of each part from this manual. Use only Body-Solid replacement parts when servicing any Body-Solid machine. Failure to do so may void your warranty and could result in personal injury.

Body-Solid equipment is designed to provide the safest, smoothest and most effective workouts possible. After you have finished assembling this product, check all stations to ensure correct operation. If for some reason you experience problems with any functions of this machine, do not continue operation. First, re-check all of the assembly instructions to locate any possible errors made during assembly. If you are not able to correct the problem, contact our Customer Service Department immediately at 1-800-556-3113.

TOOLS REQUIRED

- Socket Wrench
- 5/16" · 3/8" and 1/2" Sockets
 - Crescent Wrench
 - Rubber Mallet
 - Tape Measure
- 5/16" Allen Wrench (included)
- 5/32" Allen Wrench (included)



TRAINING TIPS AND SAFETY INFORMATION

Before starting any exercise program, it is recommended that you consult your physician and get a complete physical examination. There is a risk assumed by individuals who use this type of equipment. To minimize risk, follow the rules below.

- · Always consult your physician before starting any exercise program.
- Do not allow children or minors to play on or around the equipment.
- · Warm up properly before engaging in any weight training regimen.
- Before using, read all the warning labels and instructions on the use of this machine.
- · Do not modify the machine in any way.
- Inspect the machine before use for any damaged, worn or missing parts. If there is any doubt about the ability of this equipment to operate safely, do not use the equipment until it is serviced.
- Exercise with care, performing exercises at a smooth, moderate pace. Never perform jerky or uncoordinated movements that may result in injury.
- · Never hold your breath while exercising.
- 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.
- It is recommended that you train with a training partner.
- Keep body and clothing clear of cables and moving parts when the machine is in use.
- Know your limitations. If you are new to resistance training or are starting an exercise routine after a prolonged lay-off, start slowly and build up to a more intense routine.

Failure to follow these rules may result in serious injury. If unsure about the proper use of the machine, consult your local Body-Solid distributor or call the Body-Solid Customer Service department at 1-800-556-3113.

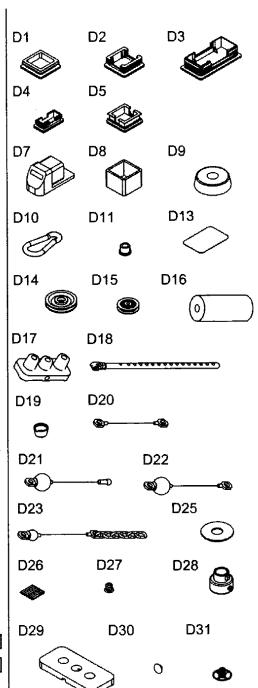


HARDWARE ILLUSTRATIONS

							Qty.
A1. 1/2	"X3 1/4" HEX	K HEAD BO	DLT				[1PCS]
A2. M1	0X75 HEX HE	EAD BOLT					[4PCS]
A3. M1	· · · · · · · · · · · · · · · · · · ·						-[13PCS]
A4. M1	0X65 HEX H	HEAD BOL	T				[6PCS]
A5. M1	0X45 HEX I	HEAD BOL	T				[1PCS]
A7. 5/1	6"X2 3/4" HE	EX HEAD E	OLT				[2PCS]
A8. 5/1	6"X1 3/4" HE	EX HEAD E	BOLT				[2PCS]
A9. M1	0X70 CARF	RIAGE BOL	.T				[4PCS]
A10. S	ELECTOR P	IN					[1PCS]
A11. S	TEEL CHAIN	 					[1PCS]
C2. 5/1	6" (I.D)WAS	HER					[4PCS]
C4. 1/2	" ROUND EI	ND CAP W	ASHER-				[2PCS]
A1	A2	A3	A4	A5	A6	A7	A8
		100	, June	~3	N. D.	0	
Or	05	0	Ø.	•	•	·	
A9	A10	A1 ²	1		A12	A13	
7.5	A10	•			•	^	
		Œ					
Ü	•						
B1	B2	C1	C2	C3	C4		
9	0	©	•	•			
	4	•	9	3	4	5	6
\vdash			c , , , .	J , , , ,	-7	. 1 .	, l
	+- +-	1- -		- - -	- -	1 1	

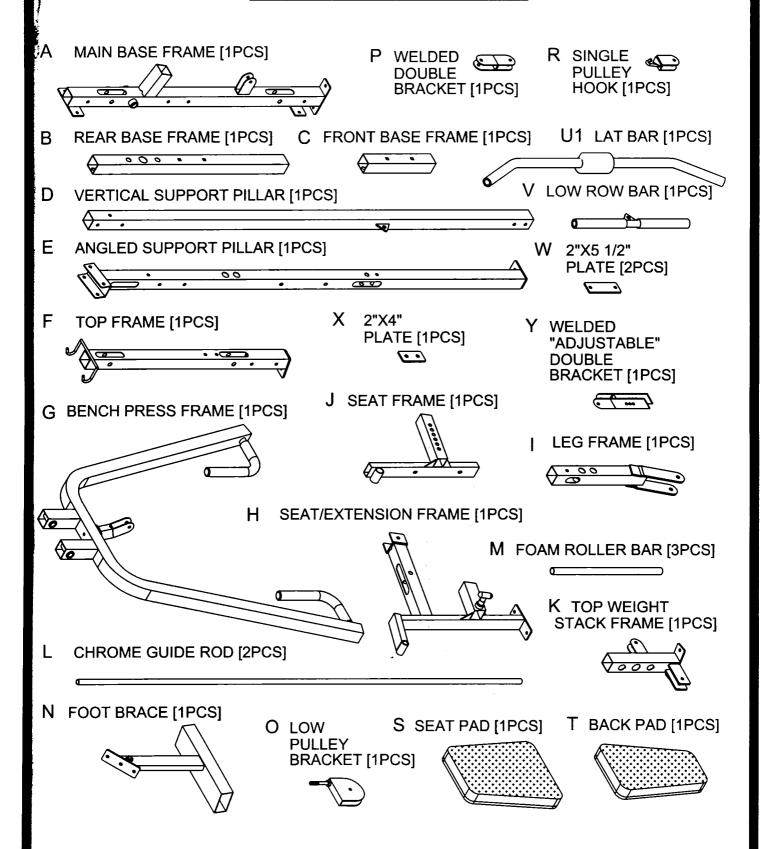
HARDWARE ILLUSTRATIONS

Qty.	
D1. 2"X2"X1.8t END CAP (9211-005)[9PCS]	D1
D2. 2"X2"X2.5t END CAP (9211-006)[1PCS]	
D3. 2"X4" END CAP (9211-014)[2PCS]	D4
D4. 1"X2" END CAP (9211-009)[3PCS]	./1
D5. 1 3/4"X1 3/4" END CAP (9211-004)[1PCS]	
	D7
D7. 2"X2" FOOT CAP (9211-024)[4PCS]	
D8. 2"X2" RUBBER CAP (9310-020)[1PCS]	
D9. Ø2 1/2" RUBBER DOUNT (9310-010) [2PCS]	D10
D10. Ø8mm SPRING SNAP LINK (8810-001) - [5PCS]	0
D11. Ø16 RUBBER "CAP" (9211-041)[12PCS]	D14
D13. 95X140mm NO SLIP TAPE (9310-035)[2PCS]	
D14. Ø110 (4 1/4")PULLEY (9213-002)[15PCS]	"
D15. Ø3" PULLEY (9213-006)[1PCS]	D17
D16. Ø3 1/2"X8" FOAM ROLLER (9161-007) – [6PCS]	(C)C)
D17. TOP PLATE (8400-005)[1PCS]	
D18. WEIGHT SELECTOR BAR (8210-052A)[1PCS]	D19
D19. 1/2" BOLT CAP[2PCS]	9
D20. 1440mm STEEL CABLE[1PCS]	D21
D21. 3235mm STEEL CABLE[1PCS]	
D22. 3050mm STEEL CABLE[1PCS]	D23
D23. 2210mm STEEL CABLE[1PCS]	6
D25. Ø 3" NYLON WASHER (9214-008)[2PCS]	
D26. 38X4tX38 RUBBER PAD (9310-001)[1PCS]	D26
D27. Ø 5/8" ROUND END CAP(9211-015)[1PCS]	
D28. Ø 3/4" SHAFT COLLAR (9211-046)[2PCS]	Doo
D29. 10LB SELECTOR PLATE[15PCS]	D29
D30. Ø1" ROUND END CAP (9260-021)[6PCS]	
D31.Ø 1" "CHROME" END CAP (9211-022)[6PCS]	
	I





PARTS ILLUSTRATIONS



ASSEMBLY-STEP 1

**Note: Do Not fully tighten frame bolts and nuts until after completing Step 3

**Note : Do Not fully tighten pulley bolts and nuts until after cable routing

The following Parts and Hardware will be needed to complete Step 1

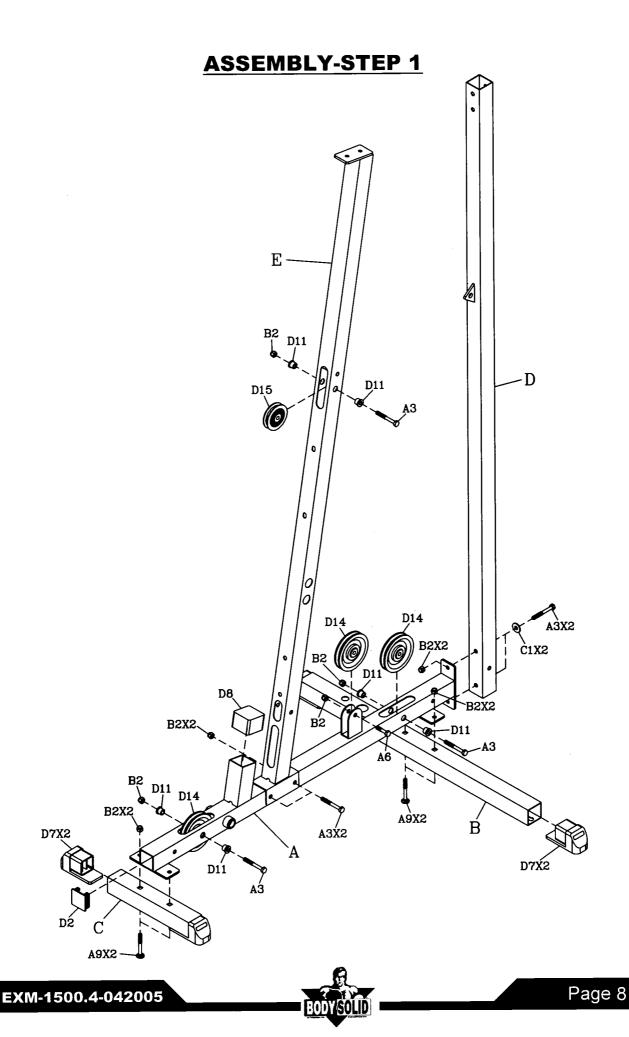
Hardware Description Parts Description Part Description Part Part Description Part **Qty** Qty 7 **A3** M10X70 hex head bolt 1 Α Main Base Frame 1 **A6** M10X40 hex head bolt Rear Base Frame В M10X70 carriage bolt Α9 C Front Base Frame 4 B2 D Vertical Support Pillar 12 M₁₀ nylon lock nut E **Angled Support Pillar** 2 C1 M10 I.D. washer 1 D2 $2''\times2''\times2.5t$ end cap D7 2"x2" foot cap 2"x2" rubber cap 1 D8 6 D11 phi 16 nylon bushing D14 4 ½" pulley 3 3" pulley D15 1

Step by Step

- 1. Attach 4 (D7) Foot Caps to (C) Front Base Frame and (B) Rear Base Frame
- 2. Attach (A) Main Base Frame to (B) Rear Base Frame
- 3. Attach (A) Main Base Frame to (C) Front Base Frame
- 4. Attach (E) Angled Support Pillar to (A) Main Base Frame
- 5. Attach (D) Vertical Support Pillar to (A) Main Base Frame
- 6. Attach 3 (D14) and 1 (D15) pulleys to frame as shown

(Note: DO NOT fully tighten pulley bolts and nuts until after cable routing)





ASSEMBLY-STEP 2

**Note: Do Not fully tighten frame bolts and nuts until after completing Step 3

**Note : Do Not fully tighten pulley bolts and nuts until after cable routing

The following Parts and Hardware will be needed to complete Step 2

Parts Description

Qty Part Part Description 1 F Top Frame 1 G Bench Press Frame 1 M Foam Roller Bar 1 X 2"x4" Plate

Hardware Description

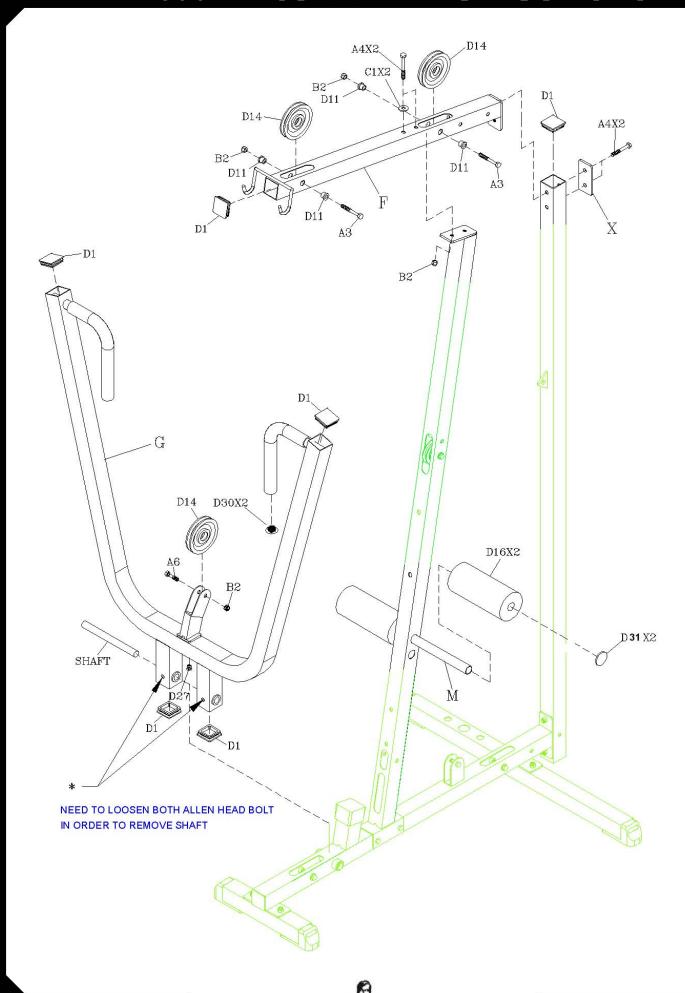
		•
Qty	<u>Part</u>	Part Description
2	A 3	M10X70 hex head bolt
4	A 4	M10X65 hex head bolt
1	A6	M10X40 hex head bolt
4	B2	M10 nylon lock nut
2	C 1	M10 I.D. washer
6	D1	2"x2"x1.8t end cap
2	D31	phi 1" round end cap
4	D11	phi 16 nylon bushing
3	D14	4 1/4" pulley
2	D16	phi 3 ½"x8" foam roller
1	D27	phi 5/8" round end cap
2	D30	Round end cap

Step by Step

- 1. Attach (F) Top Frame to (E) Angled Support Pillar
- 2. Attach (F) Top Frame to (D) Vertical Support Pillar and (X) 2"x4" Plate
- 3. Attach (M) Foam Roller Bar to (E) Vertical Support Pillar using 2 (D16), 2 (D25), and 2 (D6)
- 4. Loosen allen head screws at the bottom of (G) Bench Press Frame. Slide out pivot shaft inside of (G) Bench Press Frame.
- 5. Attach (G) Bench Press Frame to (A) Main Base Frame, (note: once (G) and (A) are attached and pivot shaft is back in place, re-tighten allen head screws at the bottom of (G)
- 6. Attach 3 (D14) pulleys to frame to (G) Bench Press Frame and (F) Top Frame as

(Note: Do Not fully tighten pulley bolts and nuts until after cable routing)

(Note: When attaching the (D14) Pulley to (G) Bench Press Frame the threaded side of the pulley bolts must face the right side if you are standing in front of the unit, facing the unit.)



ASSEMBLY-STEP 3

**Note: Do Not fully tighten frame bolts and nuts until after completing Step 3

**Note : Do Not fully tighten pulley bolts and nuts until after cable routing

The following Parts and Hardware will be needed to complete Step 3

Parts [Descrip	otion	Hardw	are De	scription
Qty	<u>Part</u>	Part Description	Qty	<u>Part</u>	Part Description
15	D29	Weight Stack Plates	2	A2	M10X75 hex head bolt
1	K	Top Weight Stack Frame	1	A5	M10X45 hex head bolt
2	L	Guide Rods	1	A6	M10X40 hex head bolt
1	W	2"x5 ½" Plate	1	A10	Selector pin
			1	A12	3/8"×2" round bolt
			4	B2	M10 nylon lock nut
			1	D1	2"×2"×1.8t end cap
			2	D9	phi 2 ½" rubber donut
			2	D14	4 1/4" pulley
			1	D17	top plate
			1	D18	weight selector bar
			2	D28	phi 3/4" shaft collar
			1.	A13	Bushing

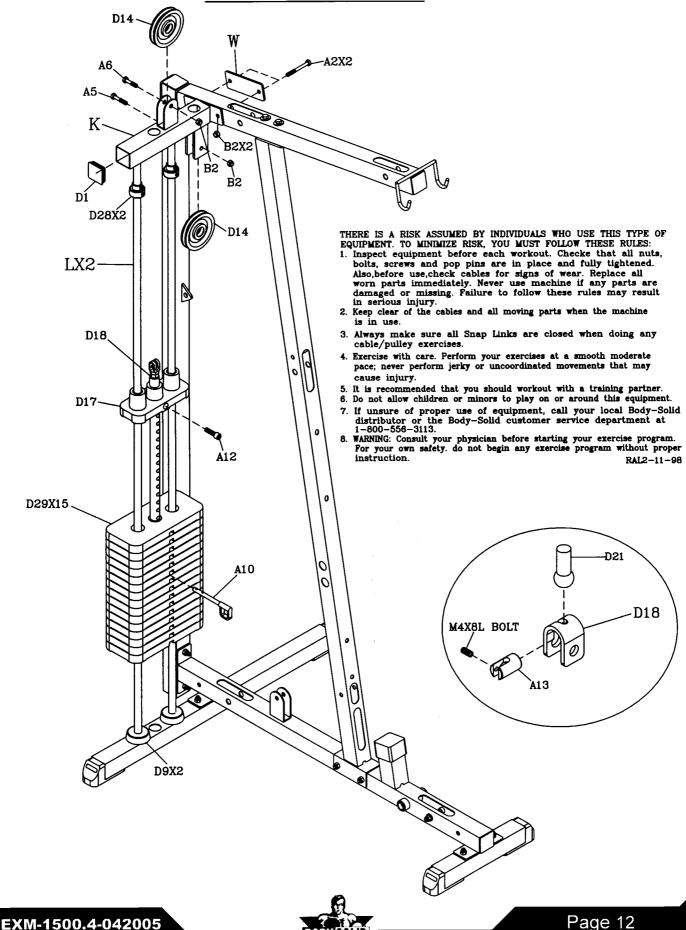
Step by Step

- 1. Place 2 (D9) on (B) Rear Base Frame, slide 2 (L) Guide Rods into 2 (D9) and (B)-Rear Base Frame
- 2. Slide 15 (D29) Weight Stack Plates onto 2 (L) Guide Rods (note: make sure housing for selector pin on Weight Stack Plates is facing forward as shown)
- 3. Slide (D17) Top Plate noto 2 (L) Guide Rods (note:make sure that housing for (A12) Round Bolt is facing forward as shown)
- 4. Slide (D18) Selector Shaft into center of weight stack. Connect (D17) Top Plate to (D18) Selector Shaft using (A12) Round Bolt
- 5. Slide 2 (D28) Shaft Collars onto 2 (L) Guide Rods (note: If (D28) Shaft Collars do not slide onto 2 (L) Guide Rods, make sure that the allen head screws in (D28) are loose)
- 6. Attach (W) 2"x5 ½" Plate and (K) Top Weight Stack Frame to (F) Top Frame and 2 (L) Guide Rods
- 7. Secure 2 (D28) into (K) Top Weight Stack Frame. Re-tighten allen head screws
- 8. Attach 2 (D14) pulleys to frame to (K) Top Weight Stack Frame as shown (Note: Do Not fully tighten pulley bolts and nuts until after cable routing)

Securely Tighten All Frame Bolts Used in Steps 1-3, (Note: Leave Pulley Bolts Loose Until Cable Routing)



ASSEMBLY-STEP 3



ASSEMBLY-STEP 4

**Note : Do Not fully tighten frame bolts and nuts until after completing Step 4

**Note: Do Not fully tighten pulley bolts and nuts until after cable routing

The following Parts and Hardware will be needed to complete Step 4

Parts Description

QtyPartPart Description1HSeat / Extension Frame1NFoot Brace1OLow Pulley Bracket1W2"x5 ½" Plate

Hardware Description

Qty	<u>Part</u>	Part Description
2	A2	M10X75 hex head bolt
4	A3	M10X45 hex head bolt
1	A6	M10X40 hex head bolt
1	B1	1/2" nylon lock nut
7	B2	M10 nylon lock nut
2	C1	M10 I.D. washer
2	D3	2"x4" end cap
1	D4	1"x2" end cap
2	D11	phi 16 nylon bushing
2	D13	no slip tape
2	D14	4 1/4" pulley
1	D26	rubber pad

Step by Step

- 1. Attach (O) Low Pulley Bracket to (N) Foot Brace
- 2. Attach (N) Foot Brace to (A) Main Base Frame
- 3. Attach (H) Seat / Extension Frame and (W) 2"x5 ½" Plate to (E) Angled Support Pillar and (A) Main Base Frame
- 4. Attach 1 (D14) pulleys to frame to (H) Seat / Extension Frame as shown (Note: Do Not fully tighten pulley bolts and nuts until after cable routing)



EXM-1500.4 ASSEMBLY INSTRUCTIONS **ASSEMBLY-STEP 4** B2X2 H1 -C1X2 -a3x2 D26 D4 **B2** Page 14 EXM-1500.4-042005

ASSEMBLY-STEP 5

**Note: Do Not fully tighten frame bolts and nuts until after completing Step 5

**Note : Do Not fully tighten pulley bolts and nuts until after cable routing

The following Parts and Hardware will be needed to complete Step 5

Parts Description

<u>Qty</u>	<u>Part</u>	Part Description
1	ı	Leg Frame
1	J	Seat Frame
2	M	Foam Roller Bar
1	S	Seat Pad
1	T	Back Pad

Hardware Description

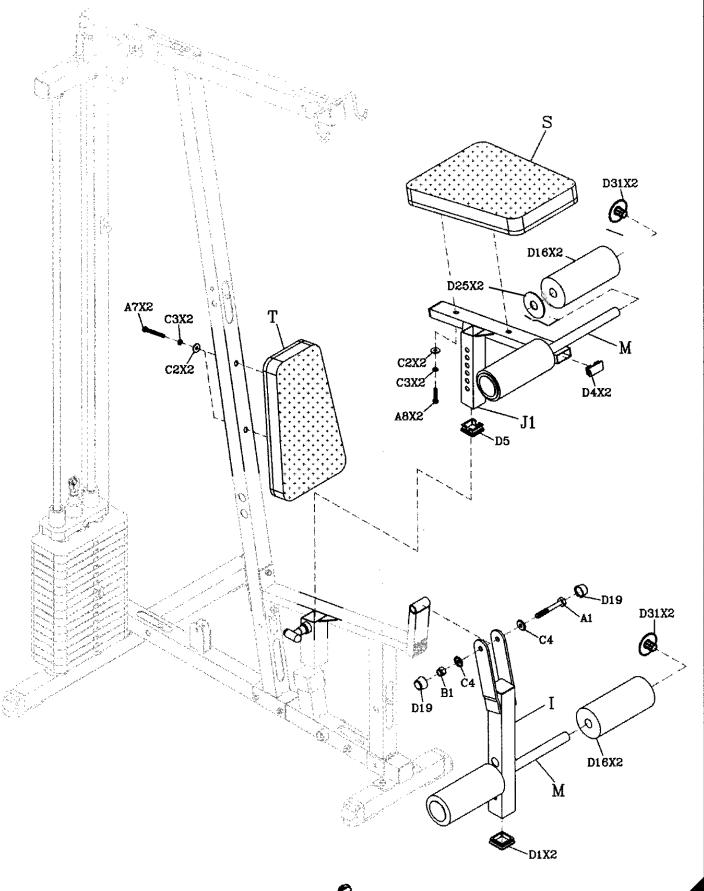
****	W: 0 = 0	~~:.p.:.~:
Qty	<u>Part</u>	Part Description
1	A1	$1/2"\times3$ ½" hex head bolt
2	A7	5/16"x2 3/4" hex head bolt
2	A8	5/16"×1 ½" hex head bolt
1	B1	1/2" nylon lock nut
4	C2	5/16" I.D. washer
4	C3	5/16" spring washer
2	C4	1/2" round end cap washer
2	D1	2"x2"x1.8t end cap
2	D4	1"x2" end cap
1 -	D5	1 3/4"×1 3/4" end cap
4	D 31	phi 1" chrome end cap
4	D16	phi 3 ½"x8" foam roller
2	D19	1/2" bolt cap
2	D25	phi 3" nylon washer

Step by Step

- 1. Attach (T) Back Pad to (E) Angled Support Pillar (note : Do not overtighten pad bolts, overtightening will strip the t-nuts pressed into the wood)
- 2. Attach (S) Seat Pad to (J) Seat Frame (note: Do not overtighten pad bolts, overtightening will strip the t-nuts pressed into the wood)
- 3. Attach (M) Foam Roller Bar and 2 (D16) Foam Rollers to (i) Leg Frame (note: There are two possible holes to mount (M) Foam Roller Bar to (i) Leg Frame. For taller people (6'-plus) mount in bottom hole, for shorter people (under 6') mount in top hole.)
- 4. Attach (I) Leg Frame to (H) Seat / Extension Frame
- 5. Attach (M) Foam Roller Bar and 2 (D16) Foam Rollers to (J) Seat Frame
- 6. Slide (J) Seat Frame into (H) Seat / Extension Frame



ASSEMBLY-STEP 5



ASSEMBLY-STEP 6

**Note : Do Not fully tighten pulley bolts and nuts until after cable routing

The following Parts and Hardware will be needed to complete Step 6

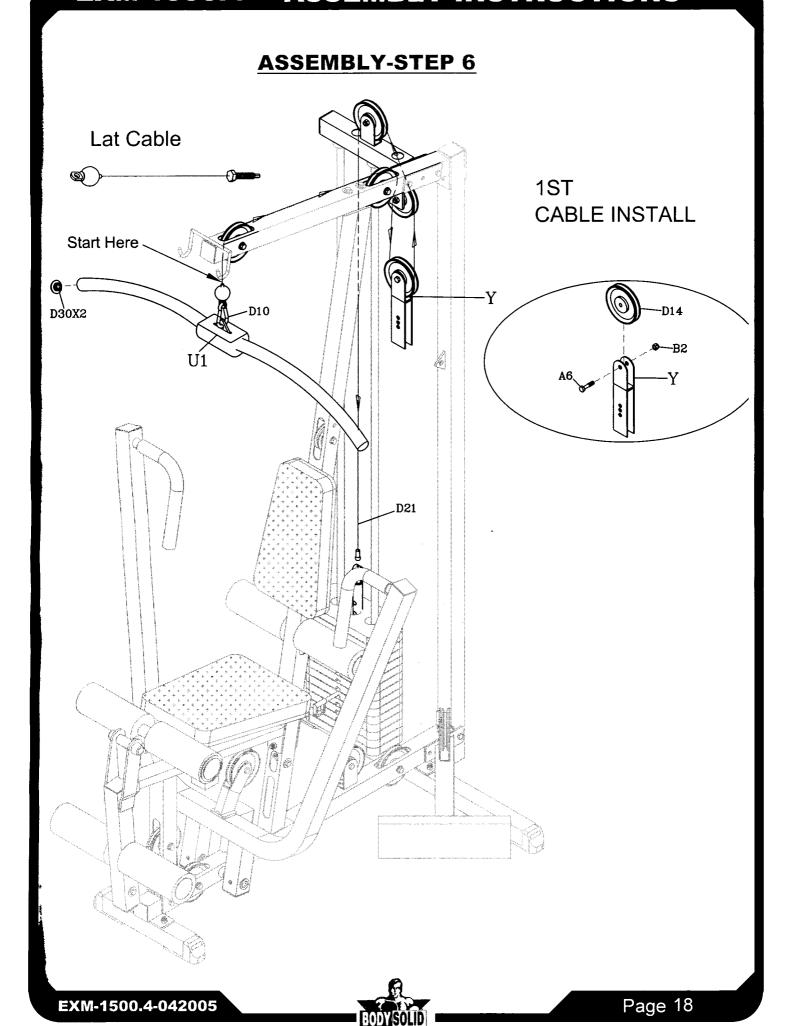
Parts Description

Qty	<u>Part</u>	Part Description
1	U	Lat Bar
1	Y	Welded Adjustable Double Bracket
1	A6	M10X40 hex head bolt
1	B2	M10 nylon lock nut
1	D10	Spring snap link
1	D14	4 ¼" pulley
1	D21	lat / stack cable 3235mm
2	D30	Round end cap

Step by Step

- 1. Begin routing cable (D21) from the housing where the (U) Lat Bar hangs
- 2. Route cable over the top of (F) Top Frame, down through
- 3. (Y) Welded Adjustable Double Bracket and back up and over (K) Top Weight Stack Frame as shown
- 4. When connecting screw end of (D21) Cable to (D18) Selector Shaft, ensure that the screw is threaded a minimum of 1/2".





ASSEMBLY-STEP 7

**Note: Do Not fully tighten pulley bolts and nuts until after cable routing

The following Parts and Hardware will be needed to complete Step 7

Parts Description

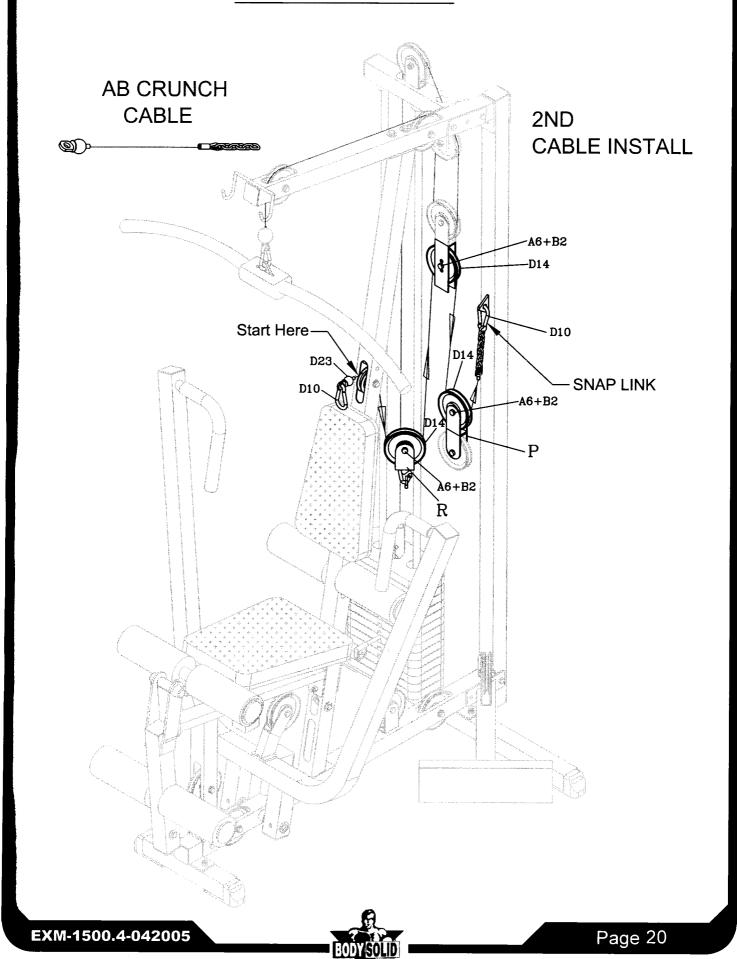
Qty	<u>Part</u>	Part Description
1	P	Welded Double Bracket
1	· R	Single Pulley Hook
3	A6	M10X40 hex head bolt
3	B2	M10 nylon lock nut
2	D10	spring snap link
3	D14	4 1/4" pulley
1	D23	ab crunch cable 2210mm

Step by Step

- 1. Begin routing cable (D23) from the ab crunch housing on (E) Angled Support Pillar
- 2. Route cable through (R), (Y), and (P) as shown, connect cable to (D) Vertical Support Pillar as shown



ASSEMBLY-STEP 7



ASSEMBLY-STEP 8

**Note: Do Not fully tighten pulley bolts and nuts involved in this step until after completing this step

The following Parts and Hardware will be needed to complete Step 9

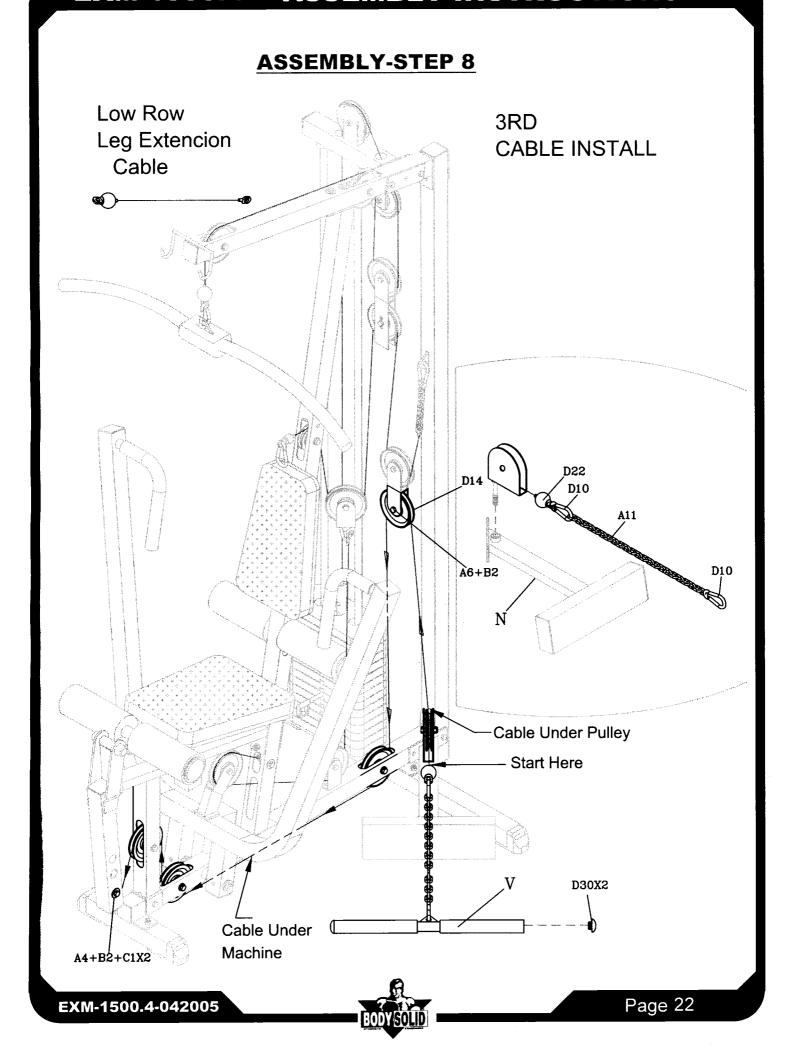
Parts Description

Qty	<u>Part</u>	Part Description
1	V	Low Row Bar
1	A11	chain
1	A4	M10X65 hex head bolt
1	A6	M10X40 hex head bolt
2	B2	M10 nylon lock nut
2	C1	M101.D. washer
2	D10	spring snap links
1	D14	4 ¼" pulley
1	D22	Low row / leg extension cable 3050mm
2	D30	Round end cap

Step by Step

- 1. Begin routing (D22) Low Row / Leg Extension Cable at (O) Low Pulley Bracket, route up through the bottom pulley in (P) Welded Double Pulley Bracket, down through back pulley mounted in (A) Main Base Frame, under (A) Main Base Frame, back up through front pulley mounted in (A) Main Base Frame and then up and over pulley mounted in (H) Seat / Extension Frame as shown
- 2. Attach (D22) Low Row / Leg Extension Cable to (I) Leg Frame as shown





ASSEMBLY-STEP 9

The following Parts and Hardware will be needed to complete Step 8

Parts Description

Qty	<u>Part</u>	Part Description
1	A4	M10X65 hex head bolt
1	B2	M10 nylon lock nut
2	C1	M101.D. washer
1	D20	Chest press cable 1440mm

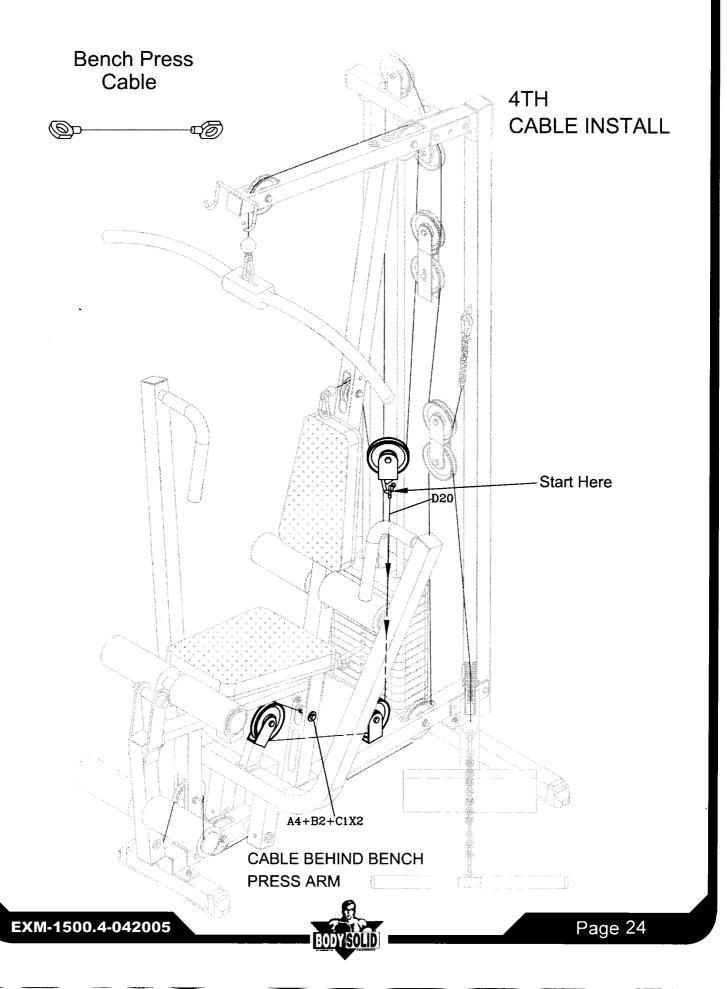
Step by Step

1. Attach (D20) - Chest Press Cable to (E) - Angled Support Pillar

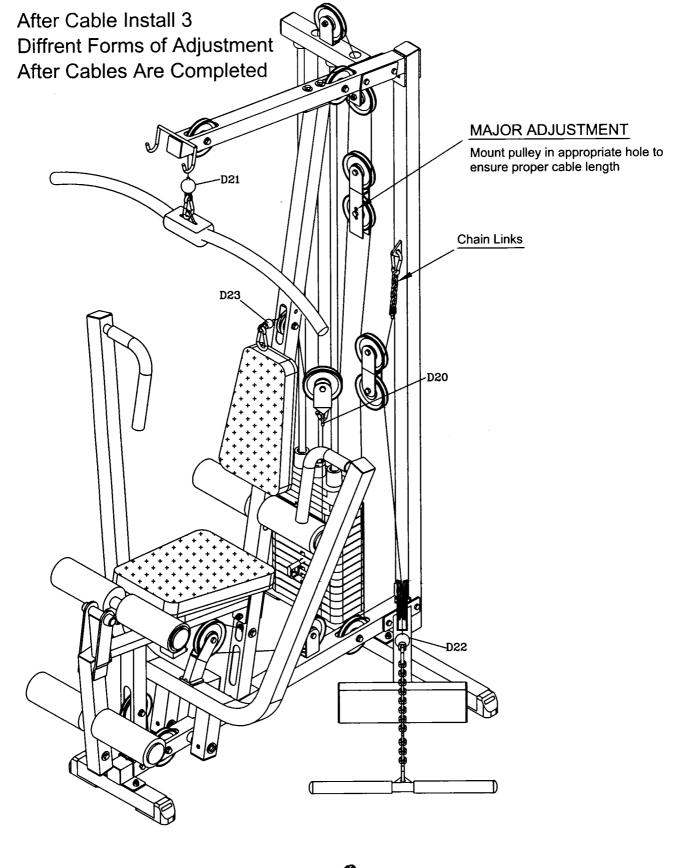
2. Route cable through pulley mounted on (G) - Bench Press Frame down through pulley mounted on (A) - Main Base Frame and connect to hook on (R) - Single Pulley Hook as shown



ASSEMBLY-STEP 9



CABLE ADJUSTMENTS



BODYSOLID

INSPECTIONS AND MAINTENANCE SCHEDULE

There is a risk assumed by individuals who use this type of equipment. To minimize risk, follow the rules below.

- Inspect equipment daily, ensuring that all nuts, bolts and screws are fully tightened.
- Inspect cables daily ensuring they are routed properly and not worn, frayed or stretched. Check and adjust tension on cables daily.
- When using pop-pin adjustments, always make sure the plunger for the pop-pin is securely inserted into and adjustment hole.
- Before performing any exercise, always make sure all ball-pins, ring-pins, pop-pins and selector pins are inserted properly and all snap-links are properly closed.
- Replace worn parts immediately.
- Human perspiration is corrosive. Clean your machine regularly. Wipe down and dry upholstery and frame pieces on a daily basis.
- Every week clean the chrome guide rods with a dry cloth and apply a coat of dry silicon spray or teflon based spray lubricant.
- Every week clean and lubricate all non-chrome guide rods and all seat posts and adjustments for starting positions.
- · Every week check hand grips, rollers and non-skid surfaces for wear.
- Only use Body-Solid parts. Parts from other manufacturers or any other modifications will void the warranty and may result in serious injury.
- Do not use this machine with damaged, worn or missing parts.
- If there is any doubt about the ability of this equipment to operate safely, do not use the equipment until it is serviced.
- Please ensure that all warning stickers are visible and acknowledged by users of the equipment.

Failure to follow these rules may result in serious injury. If unsure about the proper use of the machine, consult your local Body-Solid distributor or call the Body-Solid Customer Service department at 1-800-556-3113.