



Big Iron 19041/19051 Power Rack
Owner's Manual
Strength Systems
Part Number 19041-999-4 C

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www.cybexintl.com • 19041-999-4 C • December 2014

Safety

Safety Guidelines and Practices

 Read the Owner's Manual carefully before assembling, servicing, or using the equipment. Owner must comply with all safety guidelines in this manual. It is also the owner's responsibility to instruct users on the safe and proper operation of the equipment and to properly display any and all warning labels and instructional placards. All users should read these labels and placards before using equipment.

WARNING

Serious injury or death could occur if the following safety precautions and instructions are not followed.

Anchoring Equipment

Owner should not allow equipment to be used until it is properly anchored as described below.

WARNING

Anchoring equipment:

- To maximize stability and eliminate rocking, tipping, or falling over, equipment must be anchored to a solid, level surface, utilizing all anchoring holes provided.
- Fasteners must have a minimum of 500 lbs. tensile capacity. Cybex recommends $\frac{3}{8}$ " grade 2 bolts or better. A minimum pull force of 220 lbs/100 kgs is required for each anchor position.
- If leg frames do not contact surface, DO NOT pull down with anchors. Shim any leg or frame not in contact with surface using flat washers.
- Due to the wide variation of flooring on which machines may be anchored or installed, consult with a qualified and licensed contractor to ensure proper anchoring and installation.

Facility Safety Precautions

Do not allow anyone, including trainers, to use equipment in a manner other than that shown on the warning labels and instructional placards located on every machine.

Do not install equipment on an uneven surface. The solid, level surface should not deviate more than $\frac{1}{8}$ " over a 10' distance or as defined and required by local building and architectural codes.

It is the responsibility of the facility owner/owner of the equipment to ensure that there is appropriate clearance around each machine to allow for safe use and passage.

In compliance with the ADA (American Disabilities Act) there must be clear floor space of at least 30 by 48 inches and be served by an accessible route for at least one of each type of exercise equipment. If the clear space is enclosed on three sides (e.g., by walls or the equipment itself), the clear space must be 36 by 48 inches.

All other machines must have a clear floor space of 23" for all access point on the machine, unless shown in the Owner's Manual.

The dimensions stated in the assembly instructions of this manual include the maximum foot print (in use) dimensions.

All equipment should be used in a supervised, access-controlled area.

Do not allow equipment to be used by children 12 and under. Supervise disabled and children 13 and older.

The owner should ensure that regular inspection and maintenance checks as detailed in this manual are performed. Keep a log of all maintenance and repair activities.

Each day before use, the owner should inspect the equipment. If there are any loose or worn components such as belts, cables, grips, pulleys, or any missing, damaged labels, or placards, the owner should fix any deficiencies before they allow the equipment to be used.

Use only Cybex components to maintain and repair the equipment.

Display the Facility Safety Sign so it is visible and prominent.

User Safety Precautions

Owners must instruct users to DO the following:

- Follow all warning labels and instructional placards when using equipment.
- Insert weight pin completely before using selectorized equipment.
- Consult a physician prior to commencing an exercise program. If at any time during exercise you feel faint, dizzy or experience pain, stop and consult your physician.
- Use a spotter for Free Weight equipment.

Owners must instruct users to NOT DO the following:

- **DO NOT** pin weights on selectorized equipment in an elevated position or use the machine if found in this position
- **DO NOT** increase weight resistance on equipment by any means other than those provided by Cybex.
- **DO NOT** wear loose or dangling clothing or jewelry while using equipment. Stay clear of moving parts.
- **DO NOT** lean or pull on machine
- **DO NOT** use machine for support during stretching.
- **DO NOT** attach resistance straps, ropes or other means to equipment, except those provided by the manufacturer for intended use on the equipment.
- **DO NOT** exceed the maximum specified user weight.
- **DO NOT** use if equipment appears damaged or inoperable upon inspection
- **DO NOT** use if guards are missing or damaged.
- **DO NOT** remove any labeling from equipment.

Warnings and Cautions

Warning labels indicate a potentially hazardous situation that could result in serious injury or death if the precautions are not observed.


Caution labels indicate a potentially hazardous situation that could result in serious injury or damage to machine if the precautions are not observed.

See Contacting Service to replace any worn or damaged labels.

⚠ WARNING

To minimize risk of serious injury:

Prior to use:

- Obtain a medical exam before beginning any exercise program.
- Obtain instruction before using.
- Read and understand warning labels. 
- Fully insert adjustment pins before using.
- Inspect unit, cables, belts, connections, and guards. If damaged, worn, frayed, or missing, notify floor staff. **DO NOT USE.**


During use:

- Use only as shown on instructional placard.
- Do not use for stretching and do not attach straps or other devices.
- Do not modify unit.
- Do not allow children 12 or younger to be on or near unit.
- Notify floor staff if weight plate is raised. **DO NOT USE.**
- Stop exercise if you feel faint, dizzy, or have pain.
- Use a spotter.

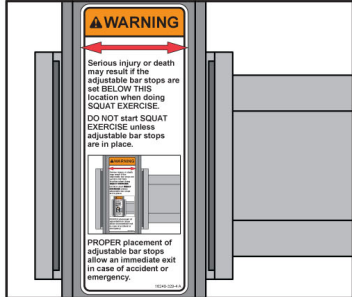
Do not remove this label. Replace if damaged or illegible.

DE000001-4

⚠ WARNING



Serious injury or death may result if the adjustable bar stops are set BELOW THIS location when doing SQUAT EXERCISE. DO NOT start SQUAT EXERCISE unless adjustable bar stops are in place.

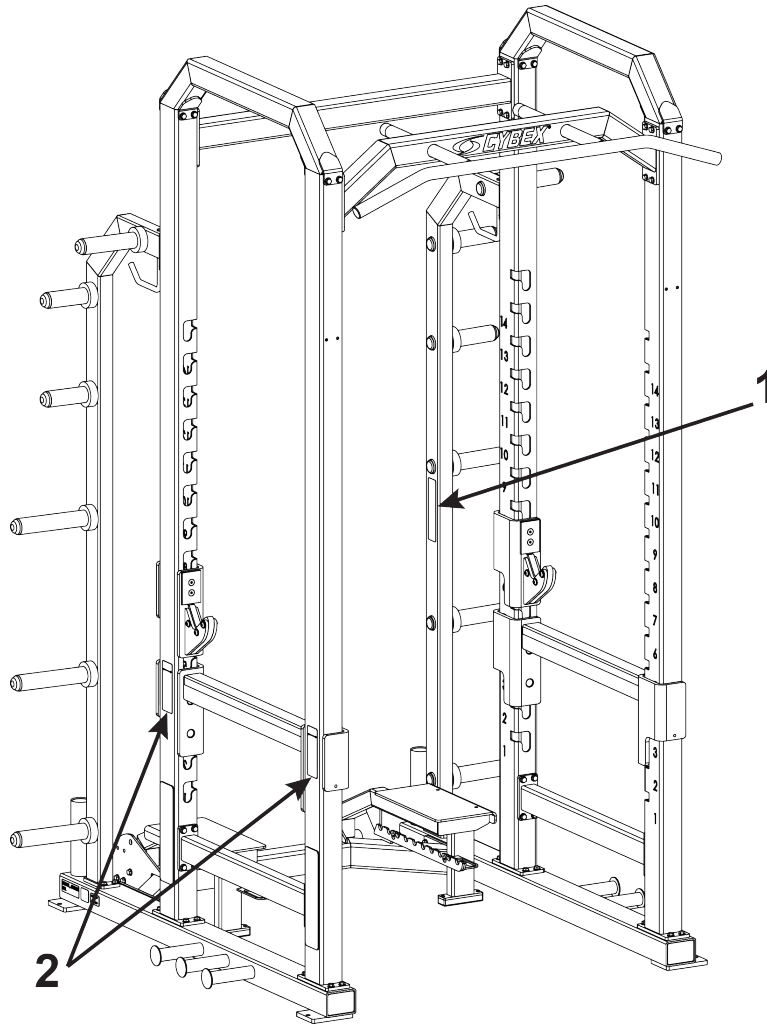


PROPER placement of adjustable bar stops allow an immediate exit in case of accident or emergency.

16240-329-4 A

Label Placement

The following diagram shows where each label is located.



	Description	Qty
1	DE000001-X	1
2	16240-329-X	4

Assembly

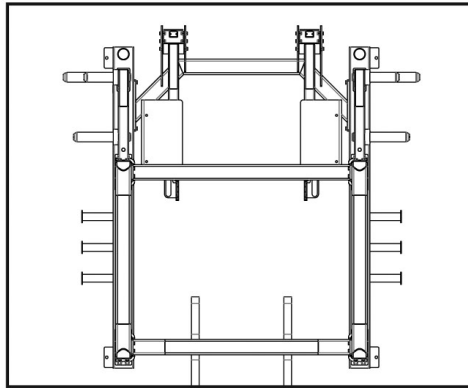
Machine Specifications

Total Weight and Size 19041 Power Rack

Weight	Machine Dimensions at Rest	Machine Dimensions at Use
900 Lbs	74" W × 70" L × 109" H	Same
409 Kg	187 cm W × 179 cm L × 277 H	Same

Total Weight and Size 19051 Power Rack

Weight	Machine Dimensions at Rest	Machine Dimensions at Use
869 Lbs	74" W × 70" L × 97.5" H	Same
394Kg	187 cm W × 179 cm L × 248 H	Same



Maximum User Weight	Maximum Training Weight
400lbs/180kg	1000 lbs/453 kg

Choosing and Preparing a Site

Before assembling the unit, verify the chosen site meets the following criteria:

- Area is well lit and well ventilated.
- Surface is structurally sound and properly leveled.
- Free area for access to unit and emergency dismount. Minimum clearance is 23.6 inches (0.6 meters).
- Adjacent units may share the free area.

It is the responsibility of the facility owner/owner of the equipment to ensure that there is appropriate clearance around each machine to allow for safe use and passage.

In compliance with the ADA (American Disabilities Act) there must be clear floor space of at least 30 by 48 inches and be served by an accessible route for at least one of each type of exercise equipment. If the clear space is enclosed on three sides (e.g., by walls or the equipment itself), the clear space must be 36 by 48 inches.

All other machines must have a clear floor space of 23" for all access point on the machine, unless shown in the Owner's Manual.

Environment

Humidity and Static Electricity

The unit is designed to function normally in an environment with a relative humidity range of 30% to 75%. The unit can be shipped and stored in a relative humidity range of 10% to 90%.

Climatic dry air may cause static electricity. During workout, user may experience a shock due to build up of static electricity on the body and the discharge path of the unit. If static electricity is experienced, increase humidity to a comfortable level through the use of a humidifier.

Do not install, use or store the unit in an area of high humidity, such as in the vicinity of a steam room, sauna, indoor pool or outdoors. Exposure to extensive water vapor, chlorine and/or bromine could adversely affect other parts of the unit.

Temperature


The unit is designed to function normally in an environment with an ambient temperature range of 50° F (10° C) to 104° F (40° C). The unit can be shipped and stored in an environment with an ambient temperature range of 32° F (0° C) to 140° F (60° C).

Tools Required

- 9/16" Torque wrench
- 7/16" Wrench
- 9/16" Wrench
- 6' Step Ladder

Assembly Procedure

Three people will be required for this procedure.

 Read and understand all instructions thoroughly before assembling this unit. Check all items carefully. If there is damage, see the Customer Service section of this manual for proper procedure to return, replace, or reorder parts.

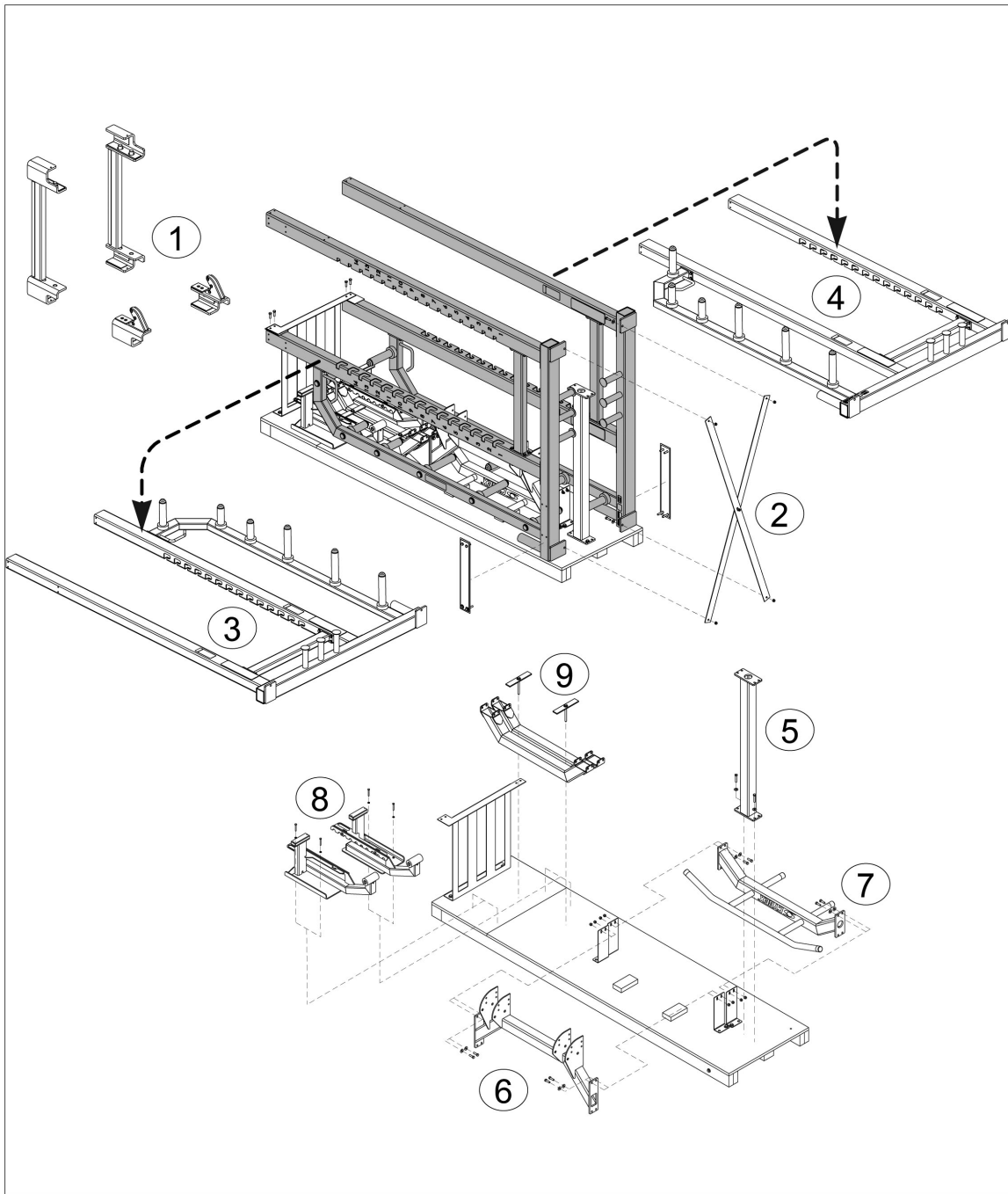
WARNING

Serious injury or death can result if the unit is not removed from the pallet correctly. Use a minimum of three people when performing this procedure.

Move to desired location

1. Move all shipping packages to desired location.

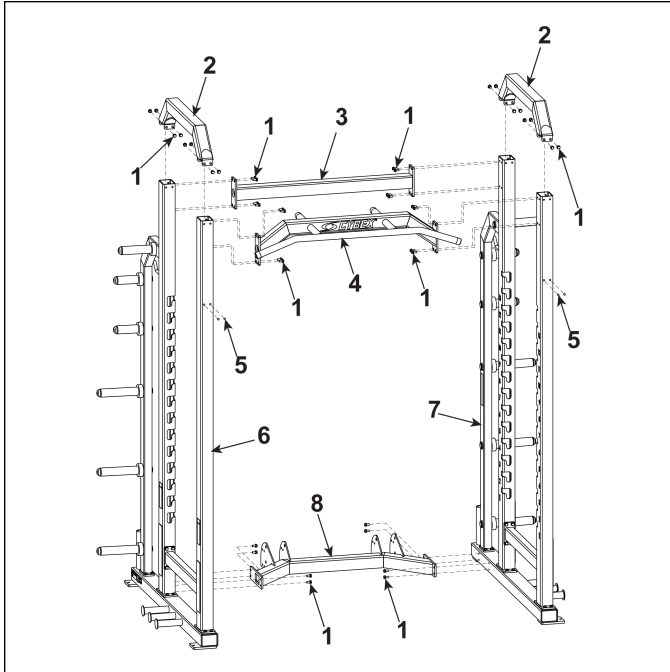
2. Remove items from pallet in the order shown on the following diagram. Carefully handle parts to prevent damage to paint or frame.



Assemble rack

1. Assemble Rack in area it will be used.
2. Attach Upper Side to both sides.

3. Attach Bottom Cross to both sides.



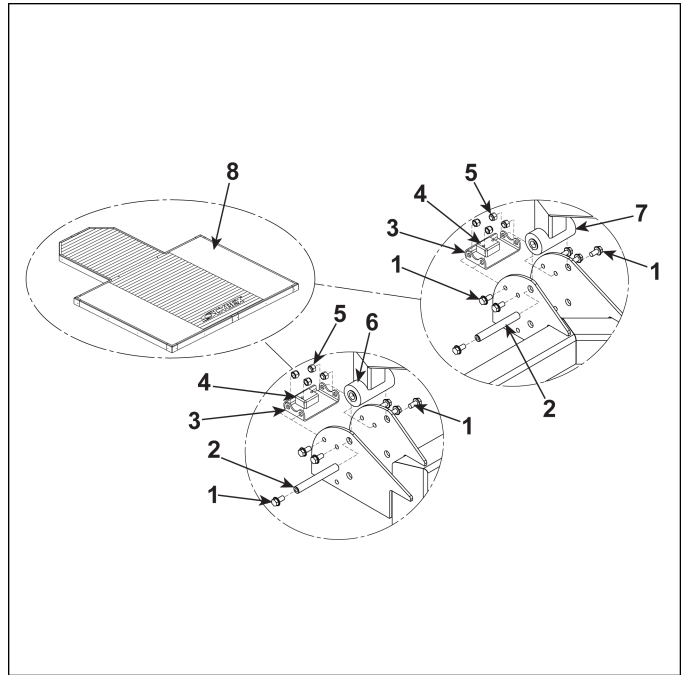
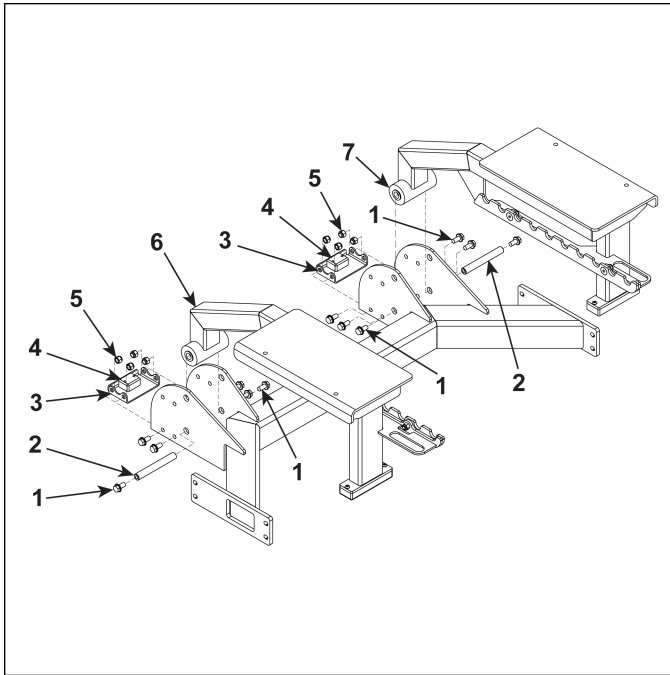
	Description	Qty
1	Screw .375-16 x .75	40
2	Upper side cross tube	2
3	Upper cross tube	1
4	Upper handle bar	1
5	Insert, black	4
6	Vertical assembly right side	1
7	Vertical assembly right side	1
8	Bottom cross	1

4. Using a step ladder, carefully attach Upper Cross to both sides.

5. Using a step ladder, carefully attach Upper Handle Bar to both sides.

Attach spotter stands to bottom cross

Securely tighten all screws (1) to 450 - 500 lb-in.

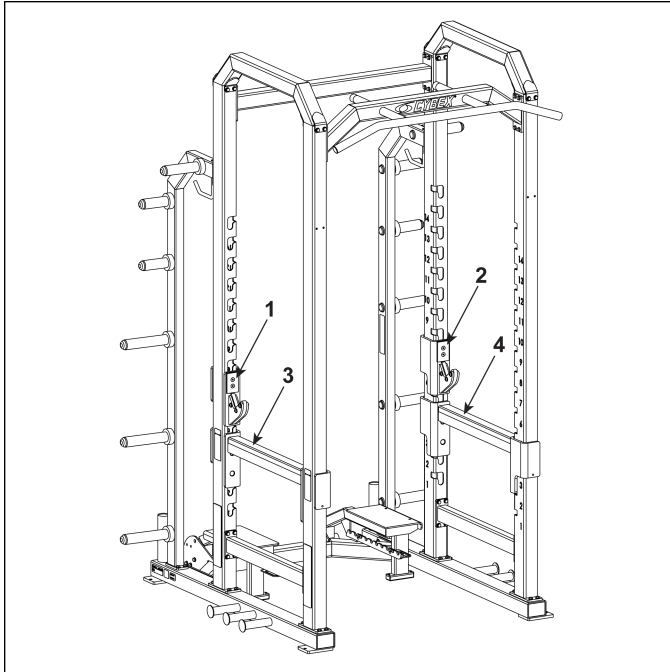


	Description	Qty
1	Screw .375-16 x .75	12
2	Pivot shaft	2
3	Mount plate	2
4	Block, stop	2
5	Locknut	8
6	Spotter stand right	1
7	Spotter stand left	1
8	Platform	1

Attach adjustable bar stops

1. Attach Adjustable Bar Stops (3 and 4) to desired position.

2. Attach each Bar Catch (1 and 2) to desired position.



	Description	Qty
1	Bar catch (RH)	1
2	Bar catch (LH)	1
3	Bar stop (RH)	1
4	Bar stop (LH)	1

Securely anchor machine to floor

Owner should not allow equipment to be used until it is properly anchored as described below.

⚠ WARNING

Anchoring equipment:

- To maximize stability and eliminate rocking, tipping, or falling over, equipment must be anchored to a solid, level surface, utilizing all anchoring holes provided.
- Fasteners must have a minimum of 500 lbs. tensile capacity. Cybex recommends .3/8" grade 2 bolts or better. A minimum pull force of 220 lbs/100 kgs is required for each anchor position.
- If leg frames do not contact surface, DO NOT pull down with anchors. Shim any leg or frame not in contact with surface using flat washers.
- Due to the wide variation of flooring on which machines may be anchored or installed, consult with a qualified and licensed contractor to ensure proper anchoring and installation.

Verify proper operation

Exercise

Intended Use

The intended commercial use of this machine is to aid exercise and improve general physical fitness.

Instructions

Before you workout


Prior to starting a training program, get a complete physical exam to make sure your physician agrees that you are ready. Always warm-up your muscles before a workout. A 5 - 10 minute cardio warm-up followed by slow stretching (no bouncing) is recommended. Continue with a lighter set (50% of normal) of intended exercises. Start your program conservatively. Choose weights you can easily lift in the first weeks. Always perform the full range of motion unless you have an injury, then consult a professional trainer. Know the terms. A “repetition” (rep) is defined as one complete movement through an exercise, returning to the start position. A “set” is a continuous series of reps usually between 6-15.

During your workout

The number of reps you perform in a set depends on your goal. To build muscle and strength, do fewer reps (6 - 8) with heavier weight. To build endurance, do more reps (12-15) with lighter weight. Never “cheat” by shortening the range of motion, bouncing the weight, or shifting your posture. This may allow you to lift more weight, but it is dangerous and less effective. Catch your breath between sets, then continue. When “circuit training” move briskly to the next exercise; when doing multiple sets on one exercise, rest 45 - 90 seconds before the next set. Work up to three sets per exercise. When you can perform the desired reps and sets for any exercise, increase the weight by a half or full plate.

Designing your workout

Circuit training is a good way to start. This involves doing one set per exercise, then moving to the next exercise, pausing only briefly between them (to keep your heart and breath rate up) until completing a balanced “circuit” of 8 - 10 exercises for your entire body. Then repeat the circuit. After several weeks, you can move into multiple sets (3 in a row) per exercise if you choose. For both of these, exercise the complete body every other day, up to three times a week.

 **Note:** *A full day's rest, plus proper nutrition and hydration are required for optimum muscle-building or toning.* Alternatively, work out half your body one day (e.g., the upper body) and the other half the following day (e.g. the lower body). At the end of your workout, cool down in a similar way to your warm-up.

Maintenance

All preventive maintenance activities must be performed on a regular basis. Performing routine preventive maintenance actions can aid in providing safe, trouble-free operation of all Cybex equipment.

Cybex is not responsible for performing regular inspection and maintenance actions for your machines. Instruct all personnel in equipment inspection and maintenance actions and also in accident reporting and recording. Cybex representatives are available to answer any questions that you may have.

Warnings

 Read all warnings in this chapter.

⚠ WARNING

For maintenance, service and repair:

- Must be performed by trained service personnel only
- Use only Cybex replacement parts.

⚠ WARNING

Equipment hazard. To avoid serious injury or death replace worn or damaged components immediately and keep the equipment out of use until repair is completed.

Daily Procedures

When using strong cleaning agents such as rubbing alcohol or bleach, it is advisable to test first in an inconspicuous area. Other cleaning agents may contain harsh or unknown solvents and are subject to formula changes by the product manufacturer without notice. Should you desire to use other cleaning agents, carefully try them in an inconspicuous area to determine potential damage to the material. Never use harsh solvents or cleaners which are intended for industrial applications. To clean stained or soiled areas, a soft white cloth is recommended. Avoid use of paper towels.

Cleaning products may be harmful/irritating to your skin, eyes, etc. Use protective gloves and eye protection. **Do Not** inhale or swallow any cleaning product. Protect surrounding area/clothing from exposure. Use in well ventilated area. Follow all product manufacturer's warnings. Cybex and its vendors cannot be held responsible for damage or injuries resulting from the use or misuse of cleaning products.

Clean Upholstery

If	Then
Light Soiling	<ol style="list-style-type: none"> 1. Prepare a solution of 10% household liquid soap and warm water. 2. Apply with a soft damp cloth. 3. If necessary, apply a solution of liquid cleanser with a soft bristle brush. 4. Dampen a clean soft cloth in water and wipe residue away.

If	Then
More Difficult Stains	<ol style="list-style-type: none"> 1. Prepare a solution of 10% household bleach (sodium hypochlorite) and 90% water. Dampen a soft white cloth in the solution. 2. Rub gently on the stained area. 3. Dampen a clean soft cloth in water and rinse area. 4. If stains are still present, a full strength household bleach may be used. Allow bleach to puddle on the affected area or apply with a bleached-soaked cloth for approximately 30 minutes. Dampen a clean soft cloth in water, and rinse area to remove any remaining bleach concentration.
More Difficult Stains (Alternative Method)	<ol style="list-style-type: none"> 1. Dampen a soft white cloth with rubbing alcohol. 2. Gently rub stained area. 3. Dampen a clean soft cloth in water and rinse area.
Restoring Luster	<ol style="list-style-type: none"> 1. Apply a light coat of furniture wax for 30 seconds. 2. Lightly rub area using a clean white cloth.

Clean Frames

Wipe down all frames using a mild solution of warm water and car wash soap. Be sure to dry thoroughly. **AVOID** acid or chlorine based cleaners and also cleaners containing abrasives as these could scratch or damage the equipment.

Clean Chrome

Clean chrome tubes, first using chrome polish and then using a car wax seal. Neutral cleaners with a pH between 5.5 and 8.5 are recommended. Be sure to dry thoroughly. **AVOID** acid or chlorine based cleaners and also cleaners containing abrasives as these could scratch or damage the equipment.

Guidelines for cleaning front panel:

Use clean soft cloths or sponges for application of cleaners and again for washing and rinsing. Follow up each application with warm water rinse.

- **DO NOT** use abrasives or high alkaline cleaners.
- **DO NOT** leave cleaners on for long periods, wash immediately.
- **DO NOT** apply cleaners in direct sunlight or at elevated temperatures.
- **DO NOT** use scrapers, squeegees, or razors.
- **DO NOT** clean with gasoline.

Compatible Cleaners and Detergents:

- Formula 409
- Top Job
- Joy
- Palmolive
- Windex with Ammonia D

To Minimize Fine or Hairline Scratches:

Mild automotive polish applied and removed with a soft clean cloth will help fill scratches.

Suggested Polishes:

- Johnson Paste Wax
- Mirror Glaze #10 Plastic Polish (by Mirror Bright Polish Co.)
- Novus Plastics Polish #1, #2 (By Novus Inc.)

Weekly Procedures

Inspect All Nuts and Bolts

Tighten all loose nuts and bolts as required.

WARNING

Equipment hazard. To avoid serious injury or death replace worn or damaged components immediately and keep the equipment out of use until repair is completed.

Inspect Other Items

Inspect other items for proper operation, damage, or wear.

Inspection	Action
Inspect grips for looseness or wear.	Replace all loose or worn grips immediately.
Inspect all labeling for readability, including instructional placards, warning and caution decals.	Replace all worn labeling immediately.
Inspect all weight stacks for proper alignment and operation.	Correct all improper alignment and operation issues immediately.
Inspect guide rods for lubrication.	Wipe Weight Stack Guide Rods clean over entire length. Lubricate with a light coat of medium weight automotive engine oil.

Yearly Procedures

Replace all cables and belts annually

Customer Service

Product Registration

To register product do the following:.

1. Visit www.cybexintl.com.
2. Locate Product Registration in the Support section.
3. Fill out form completely.
4. Click the **Submit** button to register product.

Contacting Service

Hours of phone service are Monday through Friday from 8:30 a.m. to 6:00 p.m. Eastern Standard Time.

For Cybex customers living in the USA, contact Cybex Customer Service at 888-462-9239.

For Cybex customers living outside the USA, contact Cybex Customer Service at 508-533-4300 or fax 508-533-5183. Email address internationaltechhelp@cybexintl.com

Find information on the web at www.cybexintl.com.

To contact us online go to www.cybexintl.com.

Ordering Parts

To order parts online go to www.cybexintl.com.

To speak with a customer service representative, call 888-462-9239 (for customers living within the USA) or 508-533-4300 (for customers outside the USA).

The following information located on the serial number decal will assist our Cybex representatives in serving you.

- Unit Serial Number, Product Name and Model Number
- Part Description and Part Number if you have it. All parts can be found on the web at www.cybexintl.com
- Shipping Address
- Contact Name
- Include a description of the problem.

In addition to your shipping address and contact name, your account number is helpful but not required. You may also fax orders to 508-533-5183.

Return Material Authorization (RMA)

The Return Material Authorization (RMA) system is used when returning material for placement, repair or credit. The system assures that returned materials are properly handled and analyzed. Follow the following procedures carefully.

Contact your authorized Cybex dealer on all warranty-related matters. Your local Cybex dealer will request a RMA from Cybex, if applicable. Under no circumstances will defective parts or equipment be accepted by Cybex without proper RMA and an Automated Return Service (ARS) label.

Please contact [Cybex Customer Service](#) for the return of any item that is defective.

Provide the technician with a detailed description of the problem you are having or the defect in the item you wish to return. Provide the model and serial number of your Cybex equipment.

At Cybex's discretion, the technician may request that you return the problem part(s) to Cybex for evaluation and repair or replacement. The technician will assign you a RMA number and will send you an ARS label. The ARS label and the RMA numbers must be clearly displayed on the outside of the package that contains the item(s) to be returned. Include the description of the problem, the serial number of the equipment and the name and address of the owner in the package along with the part(s).

Merchandise returned without an RMA number on the outside of the package or shipments sent COD will not be accepted by the Cybex receiving department.

Damaged Parts

Materials damaged in shipment should not be returned for credit. Shipping damages are the responsibility of the carrier (UPS, Federal Express, trucking companies, etc.)

Apparent Damage

Upon receipt of your shipment, check all items carefully. Any damage seen with a visual check must be noted on the freight bill and signed by the carrier's agent. Failure to do so will result in the carriers refusal to honor your damage claim. The carrier will provide you with the required forms for filing such claims.

Concealed Damage

Damage not seen with a visual check upon receipt of a shipment but notices later must be reported to the carrier as soon as possible. Upon discovery of the damage, a written or phone request to the carrier asking them to perform an inspection of the materials must be made within ten days of the delivery date. Keep all shipping containers and packing materials as they will be needed in the inspection process. The carrier will provide you with an inspection report and the necessary forms for filing a concealed damage claim. Concealed damage claim is the carrier's responsibility.



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