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# OWNER'S GUIDE

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# Assembly & Owner's Guide

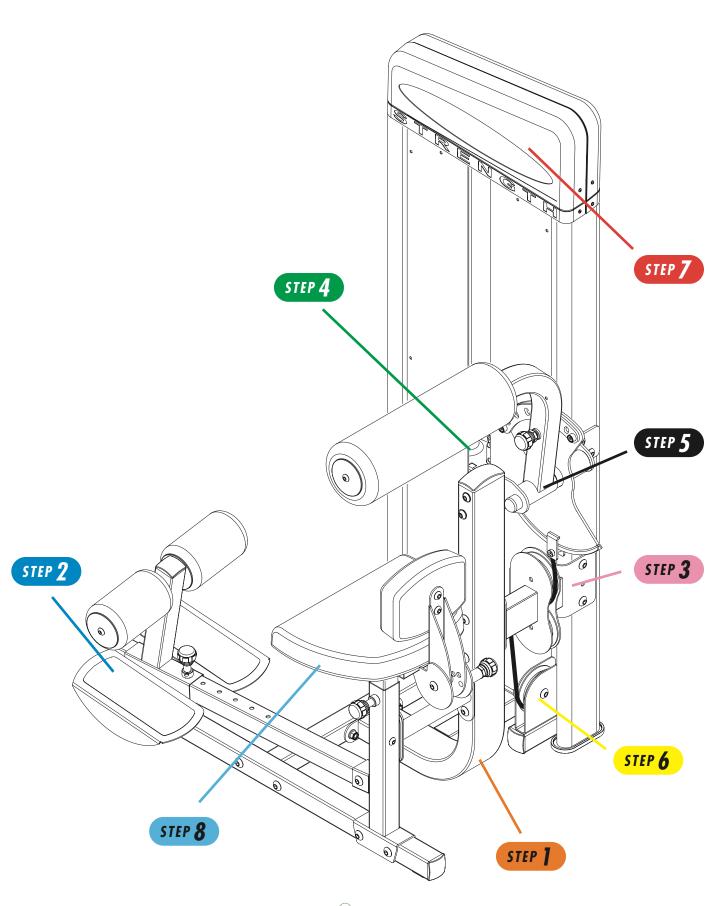
# **ST740** AB/BACK

To avoid possible damage to this Ab/Back, please follow these assembly steps in the correct order. Before proceeding, find your new Ab/Back serial number located on the back of the center floor support (AG1), and enter here:

Refer to this number when calling for service, and enter this serial number on your Warranty Card and in your own records. Be sure to read your Owner's Guide before using your new Functional Trainer.

If any parts, hardware or tools are missing, please call 1.800.335.4348, Extension 12

NOTE: During assembly, it is recommended to ensure that all bolts are in place and partially threaded before completely tightening any one bolt. During assembly steps 1 thru 5, do not completely tighten any bolts until completion of Step 5.

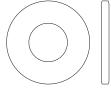


# ORANGE BAG

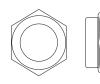




M10 x 70 Bolt Quantity: 4



10.2 x 22 x 2 Flat Washer Quantity: 12

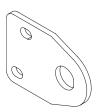


M10 Nylon Nut Quantity: 6



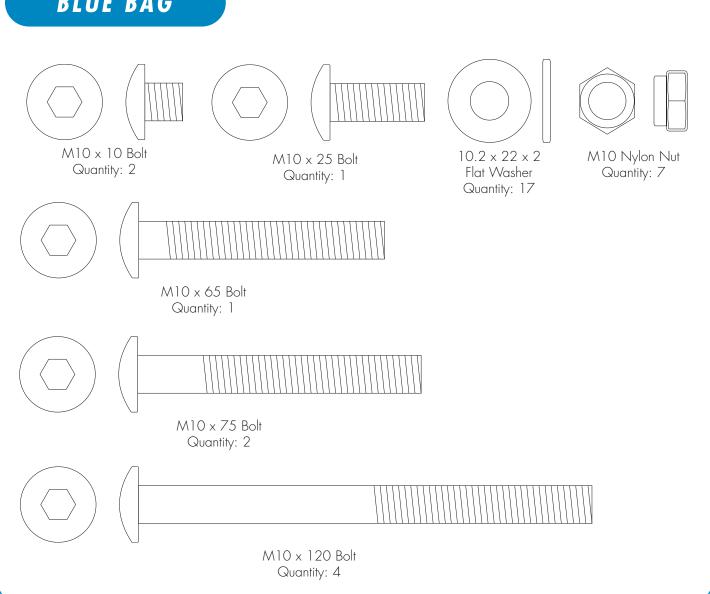


M10 x 120 Bolt Quantity: 2

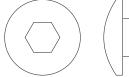


Bracket (G10) (illustration not to scale) Quantity: 1

# BLUE BAG

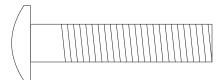


# PINK BAG

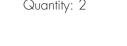








M10 x 60 Bolt Quantity: 2









M10 x 70 Bolt Quantity: 4



10.2 x 22 x 2 Flat Washer Quantity: 16





M10 Nylon Nut Quantity: 8

# GREEN BAG













8.4 × 15.5 × 1.6

M5 x 10 Bolt Quantity: 20  $5.3 \times 10 \times 1$ Flat Washer Quantity: 20

5.1 x 9.3 x 1.3 Lock Washer Quantity: 20

8.4 x 15.5 x 1. Flat Washer Quantity: 4





M8 x 62 Bolt Quantity: 2





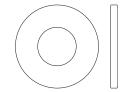
M8 Nylon Nut Quantity: 2

# BLACK BAG

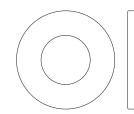




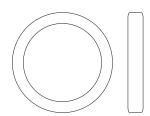
M10 Nylon Nut Quantity: 2



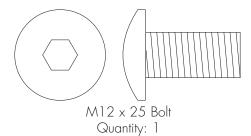
10.2 x 22 x 2 Flat Washer Quantity: 4



 $13 \times 26 \times 2.5$ Flat Washer Quantity: 1

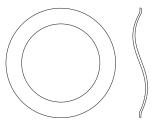


20.7 × 26.5 × 4 Spacer Quantity: 1



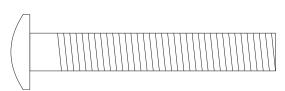




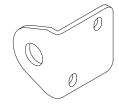


20.7 x 29.1 x 0.3 Wavy Washer Quantity: 1





M10 x 65 Bolt Quantity: 2



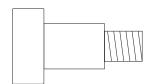
Bracket (Z40) (illustration not to scale) Quantity: 1

# YELLOW BAG

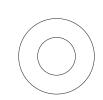








M8 x 26 Shoulder Bolt Quantity: 1





M8 Nylon Nut Quantity: 1

Sleeve Quantity: 2

# RED BAG



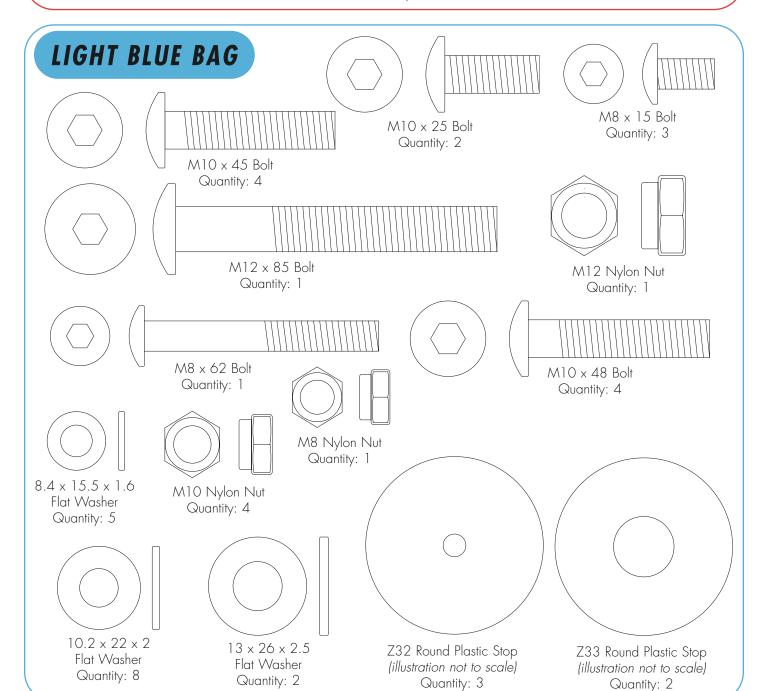






M5 x 10 Bolt Quantity: 18

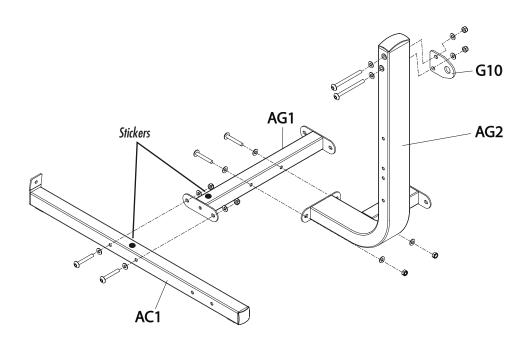
M5 x 15 Bolt Quantity: 6 Slip-on Nut (Z36) (illustration not to scale) Quantity: 2



## STEP ]

# ORANGE BAG

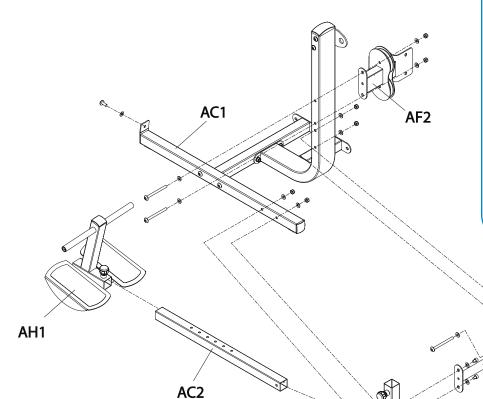
- NOTE: During assembly, it is recommended to ensure that all bolts are in place and partially threaded before completely tightening any one bolt. During assembly steps 1 thru 5, do not completely tighten any bolts until completion of Step 5.
- Lay the side floor support (AC1) with the pads face down. Place the center floor support (AG1) against the side support, lining up with holes in center of the side floor support (make sure the colored stickers are side by side on AC1 & AG1). Place one flat washer (10.2x22x2) on each of two bolts (M10x70) and slide through holes, securing with one flat washers (10.2x22x2) and one nylon nut (M10) on each bolt.
- Place the swing arm support (AG2) against the holes of the center floor support. Attach with two bolts (M10x70), four flat washers (10.2x22x2), and two nylon nuts (M10).
- Attach the flat bracket (G10) to the inside of the swing arm support (AG2) using two bolts (M10x120), four flat washers (10.2x22x2), and two nuts (M10).



# BLUE BAG

- Place seat post support (AT1) on the side floor support (AC1) and attach with two bolts (M10x75), four flat washers (10.2x22x2), and two nylon nuts (M10). Partially thread pull pin onto seat post support.
- Slide the frame connection tube (AG3) between the seat post support (AT1) and swing arm support (AG2). Attach it to the seat post support with two bolts (M10x10) and two flat washers (10.2x22x2). Attach the opposite end to the frame connection tube with two bolts (M10x120), four flat washers (10.2x22x2), and two nuts (M10).
- Slide the foot support base (AH1) onto foot support tube (AC2). Tighten pull pin in one of the adjustment locations of tube. Place end of support tube (AC2) into bracket on seat post support (AT1). Attach seat post support end with one bolt (M10x65), two flat washers (10.2x22x2), and one nylon nut (M10). Attach the opposite end to the floor support (AC2) using one bolt (M10x25) and one flat washer (10.2x22x2).
- Attach the dual pulley bracket assembly (AF2) onto the swing arm support, with plate side facing as shown in diagram. Use two bolts (M10x120), four flat washers (10.2x22x2), and two nylon nuts (M10) to secure.

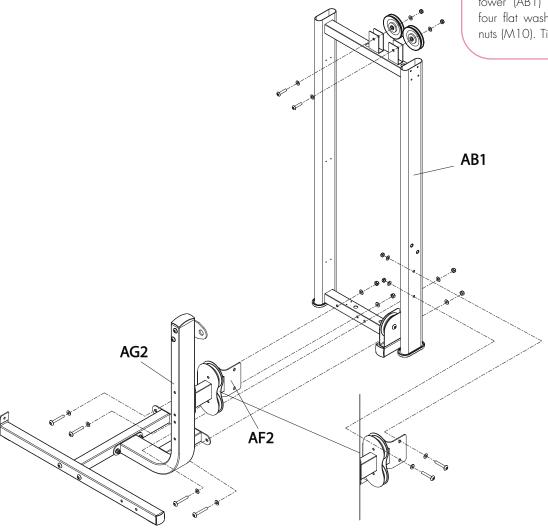
AG3



AT1

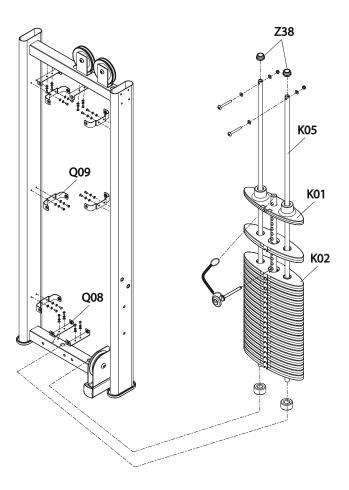
# PINK BAG

- Stand the weight stack tower (AB1) so that it is upright, and place it next to the center floor support. Attach the tower to the center floor support using two bolts (M10x70), four flat washers (10.2x22x2), and two nylon nuts (M10). Attach the swing arm support (AG2) to the weight stack tower using two bolts (M10x70), four flat washers (10.2x22x2), and two nylon nuts (M10). Use two bolts (M10x60), four flat washers (10.2x22x2), and two nylon nuts (M10) to secure the dual pulley bracket (AF2) to side of weight stack tower.
- Attach two pulleys to the weight stack tower (AB1) with two bolts (M10x48), four flat washers (M10x22x2), and two nuts (M10). Tighten these two bolts.



# GREEN BAG

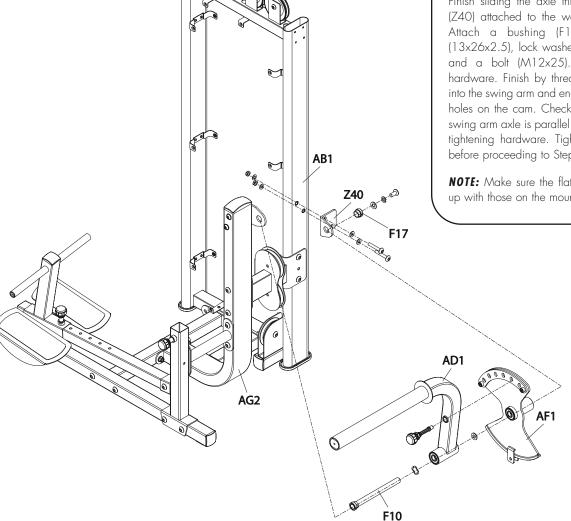
- Secure top and bottom shield brackets (Q08) to weight stack tower using bolts (M5x10), lock washers (5.1x9.3x1.3), and flat washers (5.3x10x1) provided. Repeat for all side brackets (Q09).
- Place two rubber weight plate bumpers (Z39) over the holes in the lower cross tube of the weight stack tower. With the horizontal holes of the guide rods (K05) at the top, place the guide rods over and through the rubber weight plate bumpers into the weight stack tower. Let the guide rods tilt outward from the tower. Slide each of the 20 weight plates (K02) over both of the guide rods on top of one another. Place the header weight plate (K01) over both guide rods on top of other weight plates.
- Make sure rubber guide rod sleeves (Z38) are in place in top holes of the weight stack tower. Lift the guide rods into top of weight stack tower until holes in the guide rod are lined up with the horizontal holes on the top of the weight stack tower. Insert a bolt (M8X62) and flat washer (8.4X15.5X1.6) through each guide rod and fasten with a flat washer (8.4X15.5X1.6) and a nut (M8).



# BLACK BAG

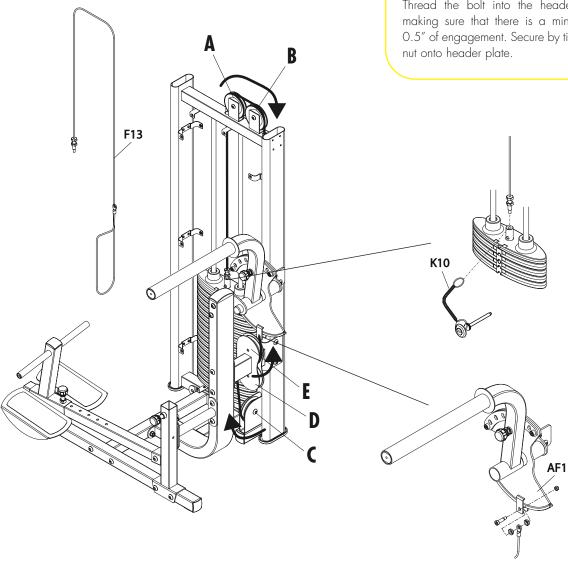
- Attach a bracket (Z40) to weight stack tower with two flat washers (10.2x22x2) and two bolts (M10x65). On the inside of the tower attach two flat washers (10.2x22x2) and two nylon nuts (M10). See diagram for bracket orientation. Partially tighten hardware.
- Take the swing arm axle and slide it through the bracket on the support tube (AG2). Slide the wavy washer (20.7x29.1x0.3) onto axle and then the swing arm (AD1), with arm pointing towards the tube. Next, slide the spacer (20.7x26.5x4) on the axle, followed by the range of motion cam (AF1). Finish sliding the axle through the bracket (Z40) attached to the weight stack tower. Attach a bushing (F17), flat washer (13x26x2.5), lock washer (12.2x21.5x3), and a bolt (M12x25). Partially tighten hardware. Finish by threading the pull pin into the swing arm and engage in one of the holes on the cam. Check to make sure the swing arm axle is parallel to the floor before tightening hardware. Tighten all hardware before proceeding to Step 6.

**NOTE:** Make sure the flats on the axle line up with those on the mounting brackets.



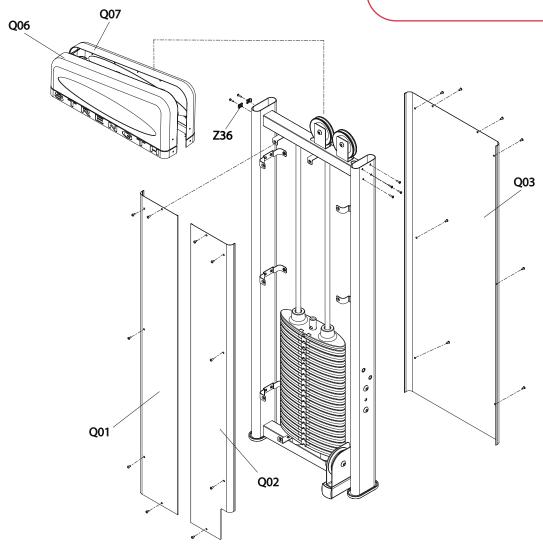
# YELLOW BAG

- With the loop end of the cable (F13) in your hand, guide the cable through hole in top of weight stack tower and around pulleys A and B. Follow down weight stack tower and through pulley C. Wrap it around pulleys D and E on the pulley bracket and secure loop end onto cam (AF1) with two sleeves, one shoulder bolt (M8x26), and one nylon nut (M8).
- Remove nut on bolt end of cable and place the selector pin tether (K10) on bolt shaft. Thread the nut on the bolt end of the cable all the way to the head of the bolt. Thread the bolt into the header plate, making sure that there is a minimum of 0.5" of engagement. Secure by tightening nut onto header plate



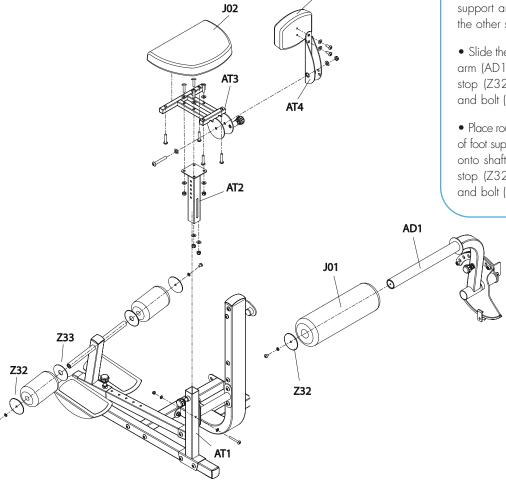
# RED BAG

- Align holes in rear shield (QO3) with the holes in the brackets (QO8 & QO9) on the back side of the weight stack; loosely secure using 8 bolts (M5x10). Take the left (QO1) side shield and repeat on front side of weight stack tower using five bolts (M5x10). Tighten interior brackets. Attach the right (QO2) shield to the tower using five bolts (M5x10). Tighten all bolts.
- Place two slip-on nuts (Z36) over the holes on the side of the weight stack tower. Snap two halves of top cover (Q06 & Q07) together. With tallest point facing the rear of the machine, place the assembled top covers on top of the weight stack tower and secure using six bolts (M5x15).



# LIGHT BLUE BAG

- Attach the seat post (AT2) to the seat frame by inserting four bolts (M10x45) and four flat washers (10.2x22x2) down through the top of the frame and fastening four more flat washers (10.2x22x2) and four nuts (M10).
- Attach the seatback bracket (AT4) to the seat post (AT3) with a bolt (M12x85) and a flat washer (13x26x2.5) and fastening another flat washer (13x26x2.5) and a nut (M12) to the opposite side. Don't over tighten this joint.
- Take seat bottom (JO2) and attach to seat post (AT3) using four bolts (M10x48). Secure seat back (JO3) on seat back frame using two bolts (M10x25). Take seat assembly and insert into seat post support, making sure to disengage pull pin to allow insertion. After clicking seat post into a set position, slide a bolt (M8x62) with flat washer (8.4x15.5x1.6) through seat post support and secure with one nut (M8) on the other side.
- Slide the swing arm pad (JO1) onto swing arm (AD1) and secure with round plastic stop (Z32), flat washer (8.4x15.5x1.6), and bolt (M8x15).
- Place round plastic stop (Z33) on each shaft of foot support base. Slide foot support pads onto shaft and secure using round plastic stop (Z32), flat washer (8.4x15.5x1.6), and bolt (M8x15) on each side.



#### RESISTANCE TRAINING BENEFITS AND TIPS

Always consult a physician before starting an exercise program.

To be successful in your exercise program, it is important to develop an understanding of the basic principles of resistance training. Now that you have assembled your VISION FITNESS gym, it is only natural that you want to get started immediately. First, determine a few realistic, short term goals and expectations for yourself. Choose an appropriate exercise routine that best suits your individual needs. Any of the 3 programs, explained in the Training Programs section below, is a great starting point.

Warm up properly before engaging in 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 ensure that you work the proper muscle groups.

Know your limitations. If you are new to resistance training or are starting back, after an extended layoff, start slowly and build foundational strength over a longer period of time.

Pay attention to your breathing. As a general rule of thumb: inhale on the non-exertion part of the movement and exhale during the exertion portion. Never hold your breath.

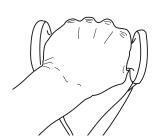
Keep in mind how important the recovery phase is in achieving your goals. The general rule is to allow a minimum of 48-72 hours before training the same muscle/s. If you still experience soreness after this period of time has elapsed, take a few additional days until the soreness has subsided.

Use this manual to guide you through the basic exercises you can perform on your VISION FITNESS gym. To achieve maximum results and avoid possible injury, consult a fitness professional to formulate a complete exercise program.

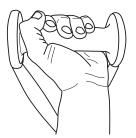
#### **WORKOUT VARIATIONS**



**NEUTRAL GRIP** 



OVERHAND OR PRONATED GRIP



UNDERHAND OR SUPINATED GRIP

#### TRAINING PROGRAMS

#### MUSCULAR ENDURANCE

A program that stresses moderate intensity, a lower amount of resistance, and higher repetitions (anywhere from 13-100 or more). These types of sets will take longer to complete. This type of training conditions the muscles for activities that stress the slow twitch muscle fibers of your body. This is beneficial for sustaining energy over moderate periods of time.

#### MUSCULAR STRENGTH

A program that stresses high intensity, a higher amount of resistance, and lower repetitions (anywhere from 6-12). These types of sets will take a shorter period of time to complete. This type of training conditions the muscles for activities that stress the fast twitch muscle fibers of the body. This is beneficial for activities that require short bursts of speed and power.

#### **SPRINT 8**

This program is exclusive to VISION FITNESS exercise equipment. This is a program that stresses high intensity, a moderate amount of resistance, and as many repetitions that a person can perform in a specified period of time (usually 20-30 seconds). This program works especially well for the time crunched exerciser. It allows you to work both the slow and fast twitch muscle fibers of the body. This program gives you a good cardiovascular and strength workout. The thing that is most appealing about this program is that an individual can complete it in 20 minutes.

This is how the program works:

The person picks the number of exercises they want to perform. Examples would be 1, 2, 4, or 8 exercises. The individual completes a 3 minute warm up with a brisk walk or on a piece of cardiovascular equipment. After the warm up is complete, the user begins performing the first exercise maintaining a high intensity pace throughout the determined amount of time (20-30 seconds). After this period of time, the individual can perform an active, low intensity recovery phase, stretching, or complete rest. This should last 1.5-2 minutes or less, if you are at a higher fitness level. After the recovery phase, the individual performs the second high intensity exercise for the required amount of time (20-30 seconds). This is followed by the second recovery phase. This process repeats until you are done with 8 high intensity intervals. Finish the workout by completing a 3-5 minute very low intensity cool down.

### **STRETCHING**

Flexibility Training is not associated with fitness as often as cardiovascular exercise or Strength Training, even though it is just as important. A good stretching program will help to maintain flexibility of the hips and lower back. A flexible person will be less likely to injure themselves in common activities, such as reaching, twisting and turning, or in uncommon activities such as the annual softball tournament.

Before stretching, take a few minutes to warm up the muscles because stretching a cold muscle can cause injury. Start your stretch slowly, exhaling as you gently stretch the muscle. Try to hold each stretch 15 to 30 seconds. Don't bounce when you stretch. Holding a stretch offers less chance of injury. Don't strain or push a muscle too far. If it hurts, ease up. Here are a few stretches you can incorporate into your exercise program:

# SEATED TOE TOUCH (HAMSTRINGS & LOWER BACK)

Sit on the floor with your legs together and straight out in front of you. Do not lock your knees. Extend your fingers toward your toes, exhaling as you go. Hold for 15 to 30 seconds. Return to the start position, and repeat as necessary.





#### STANDING QUADRICEPS STRETCH

Using a wall to provide balance, grasp your left ankle with your left hand and hold to stretch. Your knee should be pointing toward the floor. Hold the stretch for 15 to 30 seconds. Repeat with your right leg, and continue to alternate as necessary.



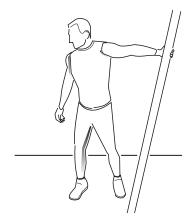
#### STANDING CALF STRETCH

Standing about three to four feet from the wall, take one step forward with your right foot. Place your hands on the wall in front of you. Bend your right leg slowly, using your movement to control the amount of stretch in the left calf. Your left heel should remain on the ground. Slowly bring yourself back to the starting position and switch legs. Repeat as necessary.



#### **BICEP/CHEST STRETCH**

Grasp an immovable object (pole or corner of a wall) with your feet planted firmly and evenly on the floor. With the palm of your stretched side facing forward, rotate your hips away from that hand. *Be careful not to rotate too far or hyperextend the elbow joint.* Hold the stretch for 15 to 30 seconds. Repeat with the opposite side, and continue to alternate as necessary.



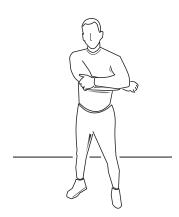
#### TRICEP STRETCH

Stand erect with your eyes fixated straight ahead. Raise and bend your right arm until your forearm is parallel to the floor (palm down). Grasp the area below the right elbow with your left hand. Gently apply a constant upward force for 15 to 30 seconds. Switch arms and repeat as necessary.



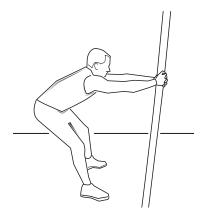
#### SHOULDER STRETCH

Make sure your feet are even and planted firmly on the floor. Grasp your right arm, behind the elbow, with your left hand. While keeping both elbows bent, apply a gentle, constant pull to the left for 15 to 30 seconds. Switch arms and repeat as necessary.



#### **UPPER BACK STRETCH**

Stand facing an immovable object, feet even and flat on the floor. Grasp the object (fingers interlocked or one hand over the other) and slowly move your hips to the rear. *Be very careful not to round your back.* Only stretch as far as your comfort zone. Hold for 15 to 30 seconds and repeat as necessary.



## MAINTENANCE SCHEDULE

## FOR BEST PERFORMANCE WE RECOMMEND THE FOLLOWING MAINTENANCE SCHEDULE:

Check the integrity and function of the following parts. Replace all worn components immediately.

I T E M	DAILY	WEEKLY
CABLES CHECK END FITTINGS AND CABLE JACKET COATING. CHECK TIGHTNESS OF WEIGHT STACK LOCKING NUT. REPLACE CABLES ANNUALLY.	•	•
<b>UPHOLSTERY</b> WIPE DOWN AND DRY. CLEAN AND CONDITION.	•	•
FRAME WIPE WITH WATER DAMPENED CLOTH AND DRY COMPLETELY. POLISH AND WAX.	•	•
CHROME WIPE WITH WATER DAMPENED CLOTH AND DRY COMPLETELY. POLISH AND WAX.	•	•
NUTS/BOLTS/FASTENERS Tighten and/or adjust as needed.		•
GUIDE RODS LUBRICATE AND CLEAN.		•
ADJUSTMENTS/LOCKING PINS/ TIGHTENING KNOBS		•
WEIGHT STACK PIN		•
WARNING/INSTRUCTION LABELS		•
ANTI-SKID GRIP TAPE		•
HAND GRIPS		•
GREASE PILLOW BLOCK BEARINGS OF LEG PRESS		•

#### **ST740 COMMERCIAL WARRANTY\***

**COMMERCIAL USES DEFINED** VISION FITNESS warrants the *ST740* model Ab/Back for use in commercial facilities. Examples of commercial facilities include but are not limited to: Hotels; Resorts; Police and Fire Stations; Apartment Complexes; Rehabilitation and Sports Medicine Clinics; Hospitals; Elementary, Middle, and High Schools; YMCAs; Private Health Clubs; Colleges and Universities.

FRAME, WELDS, WEIGHT PLATES, & GUIDE RODS - LIFETIME VISION FITNESS warrants the Frame, Welds, Weight Plates and Guide Rods against defects in workmanship and materials for the life of the product, as long as it remains in the possession of the original owner.

**BUSHINGS, ROTATING BEARINGS, & PULLEYS - FIVE YEARS** VISION FITNESS warrants these components against defects in workmanship and materials for a period of five years from the date of original purchase, so long as the device remains in the possession of the original owner.

CABLES, LINEAR BEARINGS, SHAFTS, & OTHER PARTS - ONE YEAR VISION FITNESS warrants these components against defects in workmanship and materials for a period of one year from the date of original purchase, so long as the device remains in the possession of the original owner.

#### **EXCLUSIVE REMEDY**

The exclusive remedy for any of the above warranties shall be repair or replacement of defective parts.

#### **EXCLUSIONS AND LIMITATIONS**

This warranty applies only to the original owner and is not transferable. This warranty is expressly limited to the repair or replacement of a defective frame, electronic component, or defective part and is the sole remedy of the warranty. The warranty does not cover normal wear and tear, improper assembly or maintenance, or installation of parts or accessories not originally intended or compatible with the product as sold. This warranty does not cover failure to follow instructions and warnings in the Owner's Guide or failure to provide reasonable and necessary maintenance. This warranty does not apply to damage or failure due to accident, abuse, corrosion, discoloration of paint or plastic or neglect. VISION FITNESS shall not be responsible for incidental or consequential damages. Parts and electronic components reconditioned to As New Condition by VISION FITNESS or its vendors may sometimes be supplied as warranty replacement parts and constitute fulfillment of warranty terms. Any warranty replacement parts shall be warranted for the remainder of the original warranty term.

VISION FITNESS expressly disclaims all other warranties, express or implied, including but not limited to all warranties of fitness for a particular purpose or of merchantability. This warranty gives you specific rights and your rights may vary from state to state.

#### WARRANTY REGISTRATION

Your warranty card must be completed and sent to VISION FITNESS before a warranty claim can be processed. You may also register via our website at **www.visionfitness.com**. Inside the enclosed warranty card you will find a customer survey. Your care in completing the survey will be of value to us in serving you in the future. Comments and suggestions are always welcome. We are certain you will enjoy your new treadmill. Thank you for selecting a VISION FITNESS product.

\* ST740 Commercial Warranty valid in North America only

		Week #						
Weekly Goals:  Scheduled Workout Time:  Reward:								
Day	Date	Exercise	Sets	Reps	Weight			
Sunday								
Monday								
Tuesday								
Wednesday								
Thursday								
Friday								
Saturday								
Totals								

		Week #			
Weekly (	Goals:				
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