

Training with the FLUID ROWER

- 1. As with any piece of fitness equipment, consult a physician before beginning your FLUID ROWER exercise program.
- 2. Follow instructions provided in this manual for correct foot position and basic rowing techniques.
- 3. For further details regarding rowing technique, please visit our international website at <u>www.firstdegreefitness.com</u>

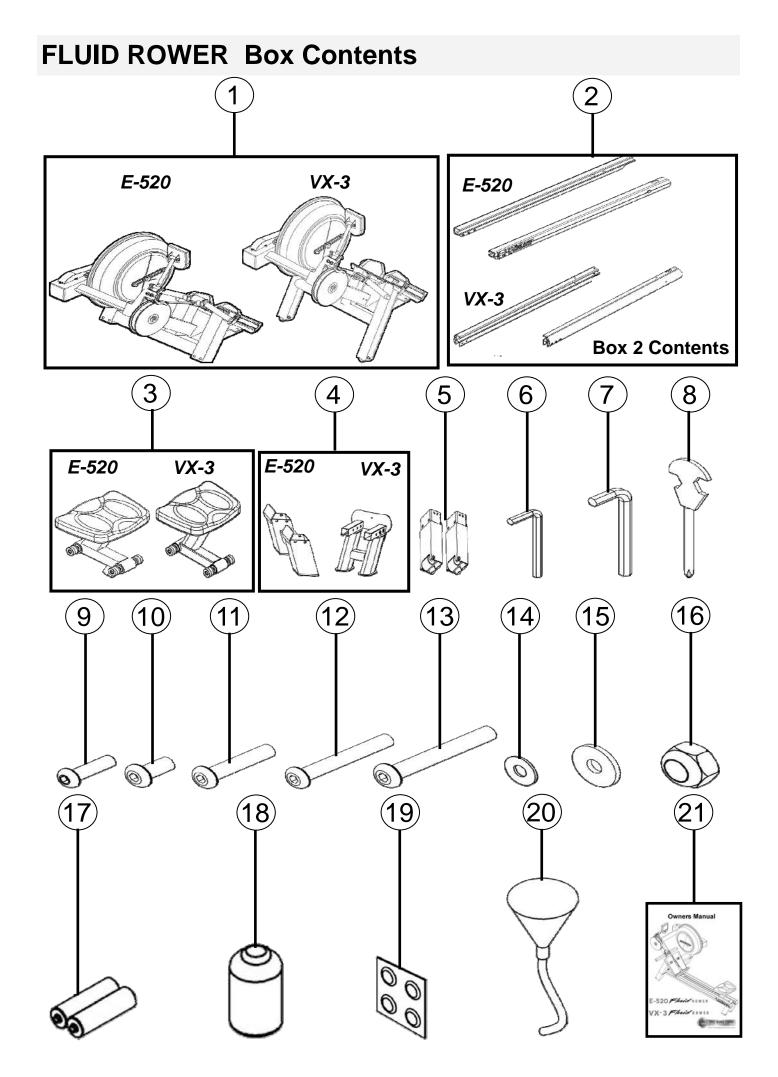


1. The FLUID ROWER can stand for storage. When doing so, please follow the instructions given on the basic operation section of this manual.



2. Keep hands away from moving parts, as indicated by the warning sticker on the mainframe of your machine and on the rear of the fluid tank.

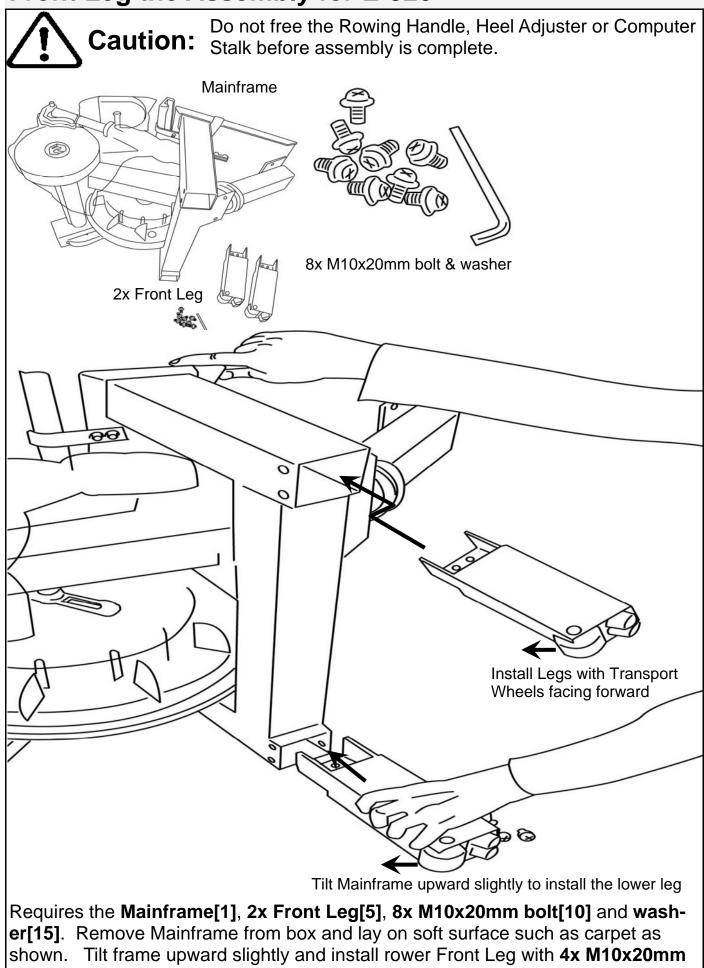
Contents FLUID ROWER Box Contents 4 Front Leg Assembly for E-520 6 **Attaching Seat Rails to Frame** 7 **Rower Seat Assrmbly for VX-3** 10 Installing the Rear Leg for VX-3 11 **Attaching Bungee Shock Cord** 12 13 Installing the Rear Leg for E-520 **Completing the Installation** 14 Tank Filling and Water Treatment 15 Long Term Water Treatment and Basic Operation 16 How to Row? 17 17 **How Often?** 17 **FLUID ROWER Rower Ergometer** Using the First Degree Fitness USB Interface 19 **Maintenance Chart** 20 21 Troubleshooting **Tank Belt Adjustment** 22 23 **Bungee Cord Replacement. Dealer Assistance Required** Warranty 24



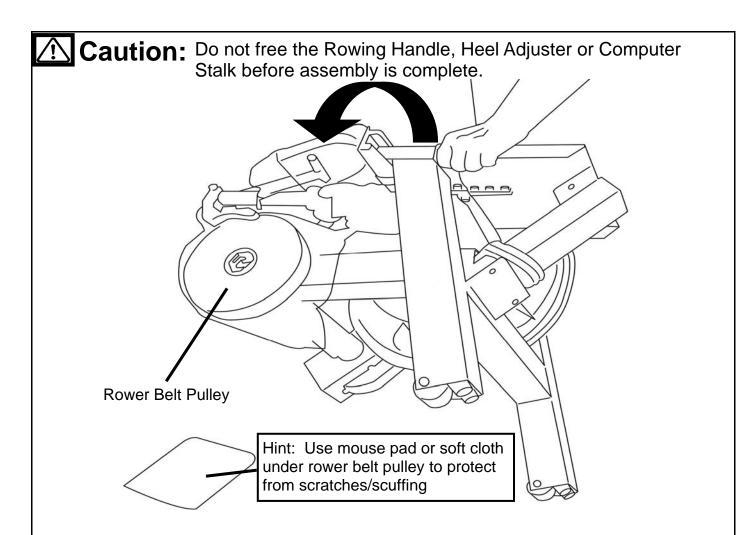
ltem	Qty	Description	ltem	Qty	Description
1	1	Mainframe	12	*4	M10x70mm bolt for <i>E-520</i>
2	2	Left/Right Seat Rail	13	*4	M10x80mm bolt for <i>VX-3</i>
3	1	Rower Seat	14		M6 Washer for <i>E-520</i>
3	Ι	Rower Seat	14	9	M6 Washer for <i>VX-3</i>
4	1	Deerleg	15	18	M10 Washer for <i>E-520</i>
4	1	Rear Leg	15	11	M10 Washer for <i>VX-3</i>
5	2	Front Leg for <i>E-520</i>	16	4	M10 Nylock Nut
6	1	4mm Allen Key	17	2	AA Batteries
7	1	6mm Allen Key	18	1	Touch up paint
8	1	Multi-tool	19	1	Water Treatment Tablet
0	4	M6x20mm bolt for <i>E-520</i>	20	1	Funnel and Hose
9	9	M6x20mm bolt for <i>VX-3</i>	20		
10	8	M10x20mm bolt for <i>E-520</i>	21	1	Owners Manual
	4	M10x47.5mm bolt for <i>E-520</i>			
11	5	M10x47.5mm bolt for VX-3			

* Note Hardware pack contains 2 bolts only. The remaining bolts are pre-installed on the Rower seat rails for assembly convenience.

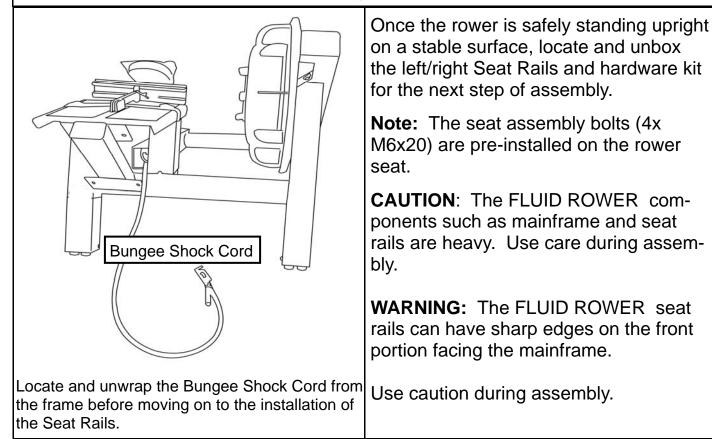
Front Leg the Assembly for E-520



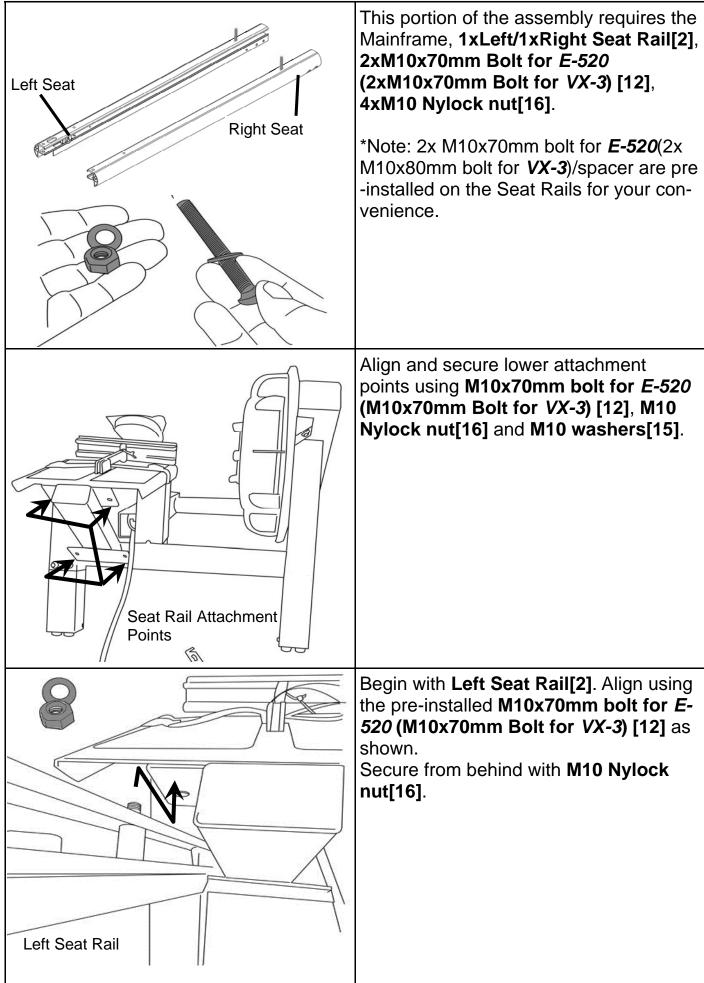
bolt[10] & washer[15]. Repeat for other leg.



Remove mainframe and all components from mainbox. Check that all parts are present. Slowly stand Rower mainframe upright.

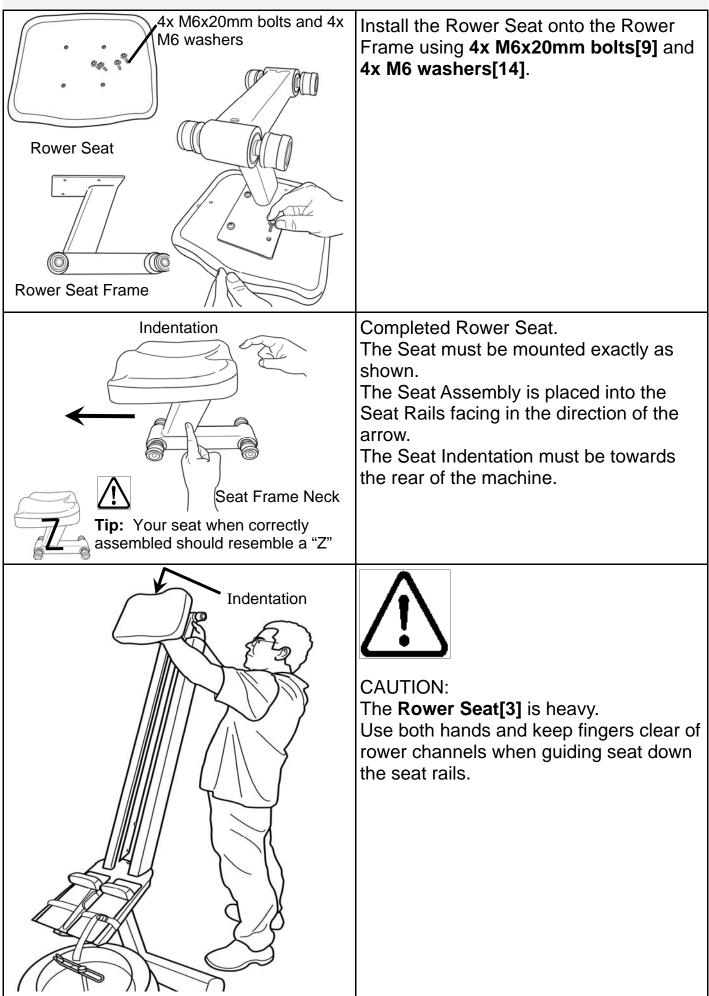


Attaching Seat Rails to Frame

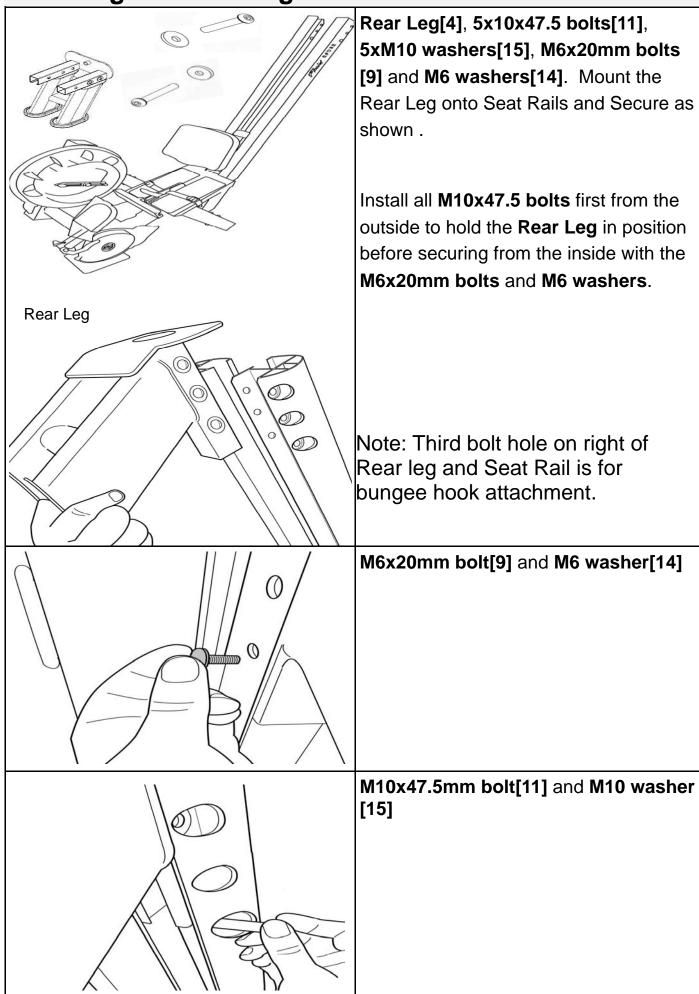


Left Seat Rail	Next, install lower Left Seat Rail[2]. M10x70mm bolt for <i>E-520</i> (M10x80mm bolt for <i>VX-3</i>)[12], Nylock nut[16] and M10 washers[15].
Bungee Shock Cord Right Seat Rail	Before installation of the Right Seat Rail, thread the Bungee Shock Cord through the top of the Seat Rail, around the Bungee Pulley and out the bottom as shown.
Bungee Pulley	Once this is complete, repeat the same assembly procedure as used on the Left Seat Rail.

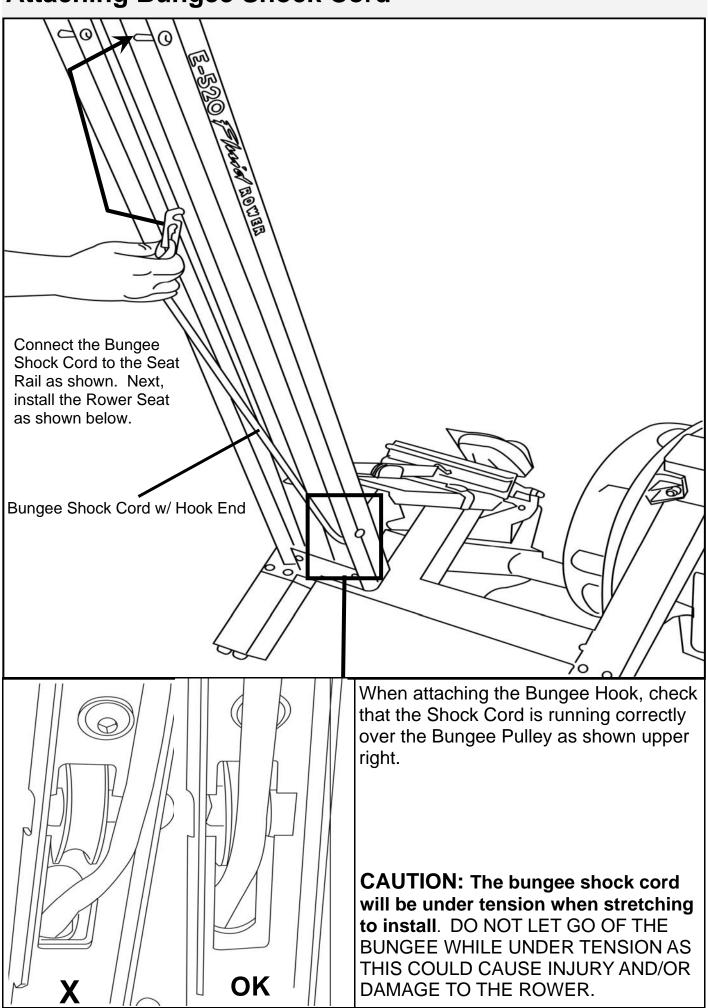
Rower Seat Assembly for VX-3



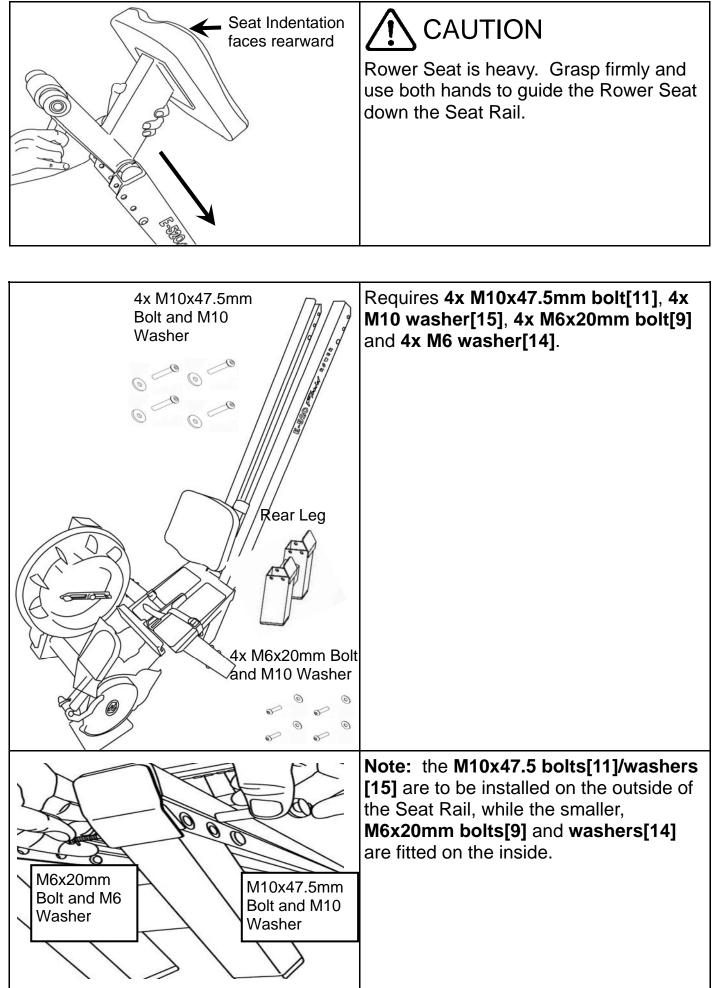
Installing the Rear Leg for VX-3



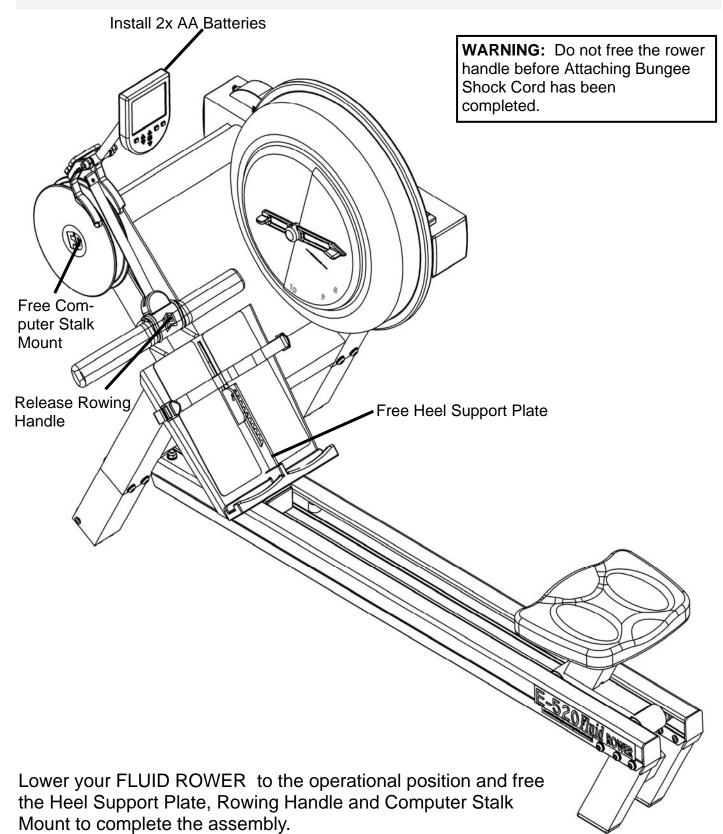
Attaching Bungee Shock Cord



Installation Rear Leg for E-520



Completing the Installation



Tank Filling and Water Treatment



Note: A large bucket is required for filling (Not included)

In areas where tap water quality is known to be poor, FDF recommends the use of distilled water.

Open the rear upper Yellow Tank Plug and insert hose into tank (rotating the impeller slightly may be necessary to allow the hose to pass), move the Tank Adjuster Handle to level 20 and begin filling. Do not fill the tank higher than the level indicator on the front of the clear shell. A properly filled tank holds approximately 8liters of water.

<u>Warning:</u>

Do not under any circumstances put fingers into the tank. Use the end of the hose to move the impeller should the need arise.

Water Treatment Procedures:

Add Chlorine tablet

Note: The amount of water treatment can vary widely depending on the Rower's location and exposure to sunlight. DO NOT, UNDER AN CIRCUMSTANCES USE ANY TREATMENT TABLETS OTHER THAN THOSE SUPPLIED WITH YOUR ROWER. Your rower box contents include 4x water treatment tablets, which is sufficient for several years of water treatment. Treat when water becomes discolored or shows signs of Algae/Bacterial growth. To purchase additional chlorine tabs, please consult your nearest regional dealer/distributor or check our website at <u>www.firstdegreefitness.com</u>

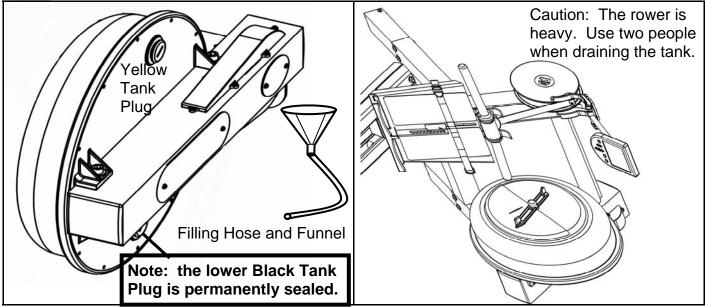
Caution: Use a drop cloth under the tank when filling the tank to avoid damage floor or carpet

Draining the Fluid Tank: When draining indoors, a suitable container capable of holding 8 liters of water is required.

Open the Yellow Tank Plug, and on a protective surface, turn the FLUID ROWER on its side as shown above. Once the rower is in this position, the tank can be easi-



Use a drop cloth for splash and stain protection.



Long Term Water Treatment and Basic Operation



CAUTION: Do not fill past the calibration mark as indicated on the tank level sticker or water spillage may occur. See Tank Filling and Water Treatment page for details.

Long Term Water Treatment:

Do not use any water treatment other than the tablets supplied with this machine. For replacement tablets, contact your local First Degree Fitness distributor. Water treatment schedules for the FLUID ROWER will vary according to the fluid

tanks exposure to sunlight, but expect 8-12 months near a bright, sunlit window and 2 years or more for a darker location. At the point of finding the water slightly cloudy, add a Chlorine tablet.

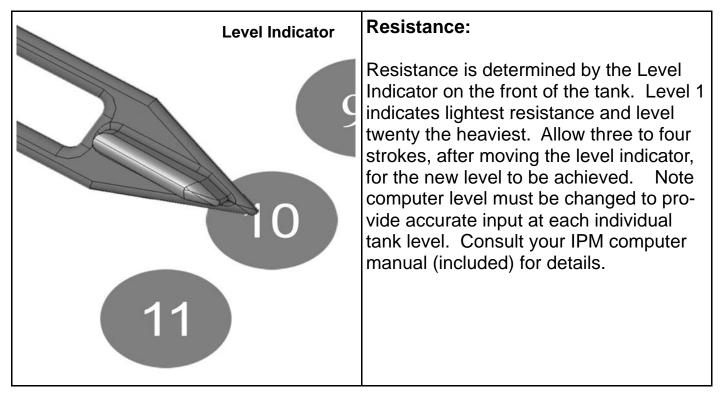
CAUTION: It is strongly recommended that a drop cloth be used under the fluid tank whenever the tank plug is opened for water treatment.

Vertical Storage:

The FLUID ROWER can easily be stored in a vertical position. For safety, choose a suitable location, such as a corner of a room. It is recommended that something soft (such as carpet or a small towel) be placed under the rowing pulley of the unit to avoid chipping or floor damage. **Note:** Move with caution as the machine is heavy. Pick up from back and pull at 45 degree angle.

Heel Support Adjuster:

The FLUID ROWER has a unique and easy to use Heel Plate Support system. Simply slide the Heel Plate up or down and allow the teeth to lock it into place. This should be adjusted to place the ball of your foot directly under each horizontal foot strap. Then to secure before rowing.



How to Row?

- 1. Begin the stroke comfortably forward and push strongly back with your legs while keeping your arms and back straight.
- 2. Begin to pull your arms back as they pass over your knees and continue the stroke through to completion rocking slightly back over your pelvis.
- 3. Return to the starting position and repeat.
- 4. For further details regarding rowing technique please refer to our international website at <u>www.firstdegreefitness.com</u>

How Often?

Begin with 5 minute training sessions once a day and aim for around 2:30 to 2:45 for 500m time. Row at a pace that keeps the water circulating continuously between strokes.

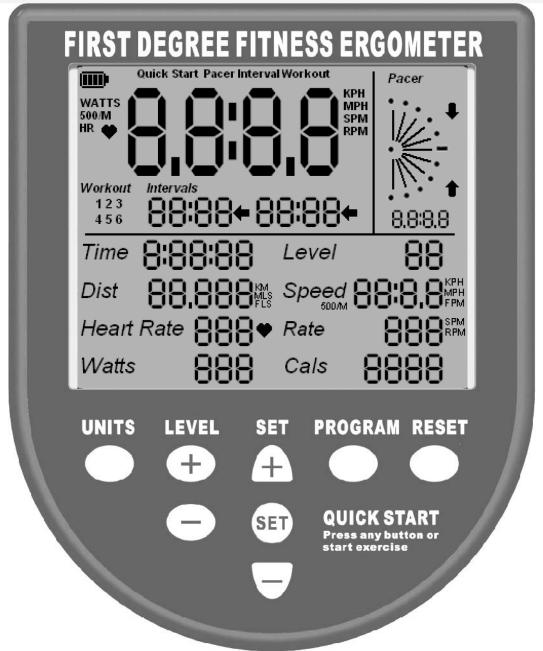
Progress a few minutes more each day until you are comfortable with 30-45 minutes training time 3 or 4 times a week.

This will provide aerobic endurance benefits, muscle toning and sufficient calorie burning to form part of a weight loss program.

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Catch Comfortably for- ward with straight back and arms.	-	Finish Pull through with arms and legs rocking slightly back on your pelvis.	Recovery Upper body tips forward over your pelvis and move forward.	Catch Catch and begin again.

Always consult a doctor before beginning an exercise program. Stop immediately if you feel faint or dizzy.

FLUID ROWER Rower Ergometer



- **Quick start:** Provides instant workout information. Just start training to activate. You can choose to change UNITS displayed
- UNITS: Displays WATTS, SPM, HR, 500/m
- **LEVEL:** Adjustable from 1-20. Match LEVEL number with resistance level on the Fluid tank.
- **SET:** Changes Time, Distance parameters
- **PROGRAM:** Clears current exercise program
- **RESET:** Clears data
- **Note:** For complete operational instructions, please refer to the computer manual, which is included with your FLUID ROWER Series rower.

Using the First Degree Fitness USB Interface

Description:

The USB connectivity now built in to all new models of FDF Console and IPM allow you to enhance your exercise experience by connecting to your home PC or Laptop. Using FDF's own sample applications you can exercise while enjoying your favorite movies. *NetAthlon 2 XF for Rowers* lets you race with other Internet connected rowers in a Virtual Reality 3D environment or train solo.

Setting up USB connectivity

- 1.Download and Install the USB Device Driver (CDM2xxxx_Setup.exe for 32 and 64 bit Windows 7/Vista/XP) from the FDF Website.
- 2.Download and Install the Sample USB Applications from the FDF Website (www.firstdegreefitness.com). Download and Install NetAthlon 2 XF for Rowers from <u>http://www.webracing.org/downloads.htm</u>

Connecting your console

- The USB Connector is located on a flying lead at the rear of the IPM, along with the Sensor and Heart Rate Monitor Connectors.
- Connect to a Laptop or PC using a standard USB cable, you may need to wait while Windows starts the USB Device Driver.
- Note: Please refer to computer manual where applicable or for further information refer to our website at <u>www.firstdegreefitness.com</u>

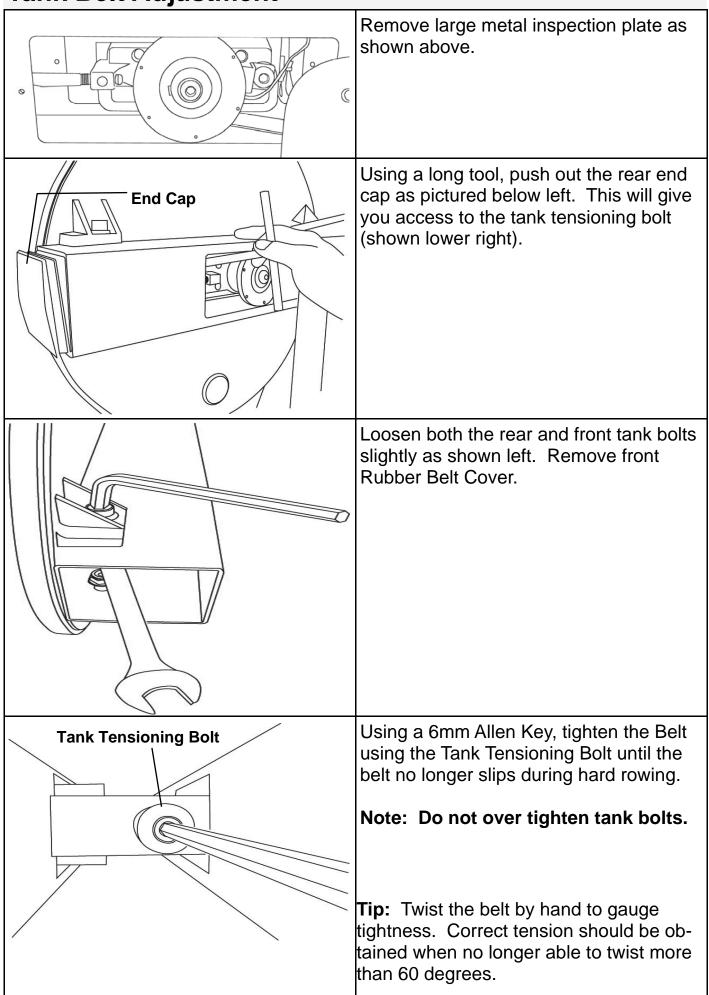
Maintenance Chart

Item	Timeframe	Instructions	Notes
Seat and Seat Rails.	Weekly.	Wipe seat rails with a clean, dry cloth. Lightly spray the in- side of rails with silicone spray.	
Frame.	Weekly.	Wipe down with lint free cloth.	
Tank and Water Treatment.	12 months to 2 years.	Follow instructions as specified in the "Water Treatment" sec- tion of this manual.	
Bungee Cord.	Check every hundred hours for correct ten- sion and for signs of wear.	The Bungee Cord should last for many years. If a bungee cord change is required, please follow the instructions provided in the "Changing the Bungee Cord" section of this manual.	
Rowing Belt.	Check every hundred hours for correct ten- sion and for signs of wear.	The Rowing Belt should pro- vide many years of trouble free use. If a rowing belt change is required, please contact your local service representative or go online at <u>www.firstdegreefitness.com</u> for further details.	

Troubleshooting

Fault	Brobable Cause	Solution
Fault	Probable Cause	Solution
Water changes color or becomes cloudy.	Rower is in direct sun- light or has not had wa- ter treatment.	Change rower location to reduce direct exposure to sunlight. Add water treatment or change tank water as directed in the water treatment section of this manual. Consider using distilled water to refill tank.
Rowing stroke re- turn is too light.	Bungee not under enough tension. Rowing Belt missing one wrap around rower belt pulley. Bungee has slipped off the Bungee Pulley Wheel.	Cut Bungee Tie Rack and tighten slightly on Bungee Hook.
Computer screen illuminates, but does not register when rowing.	Loose or failed connec- tion/Sensor gap too wide (see erratic com- puter display).	Check that the computer lead is connect- ed properly. If connected properly check sensor gap. Contact your local service center if this fails to address the problem.
Rowing Belt can- not extend to the end of rowing stroke or no re- sistance.	Rowing Belt needs to be unwrapped 1 turn or, requires an extra wrap on the Rower Belt Pul- ley	Condition 1: Short pull. Solution: Unwrap 1 turn. Shock Cord Joiner Condition 2: No return. Solution: Wrap one extra turn. Shock Cord Joiner
The FLUID ROW- ER computer does not illumi- nate after battery installation.	Batteries installed incor- rectly or need replacing.	Reinstall batteries in correct position and try again. If the LCD screen fails to illumi- nate, try rotating the batteries slightly in the computer. If this fails, contact your local service center.
The FLUID ROW- ER computer dis- play is erratic while displaying SPM and 500meter times.	Gap between sensor and magnetic ring is too wide.	Remove large service cover and check gap between sensor and magnetic ring (should be no more than 2.5mm).

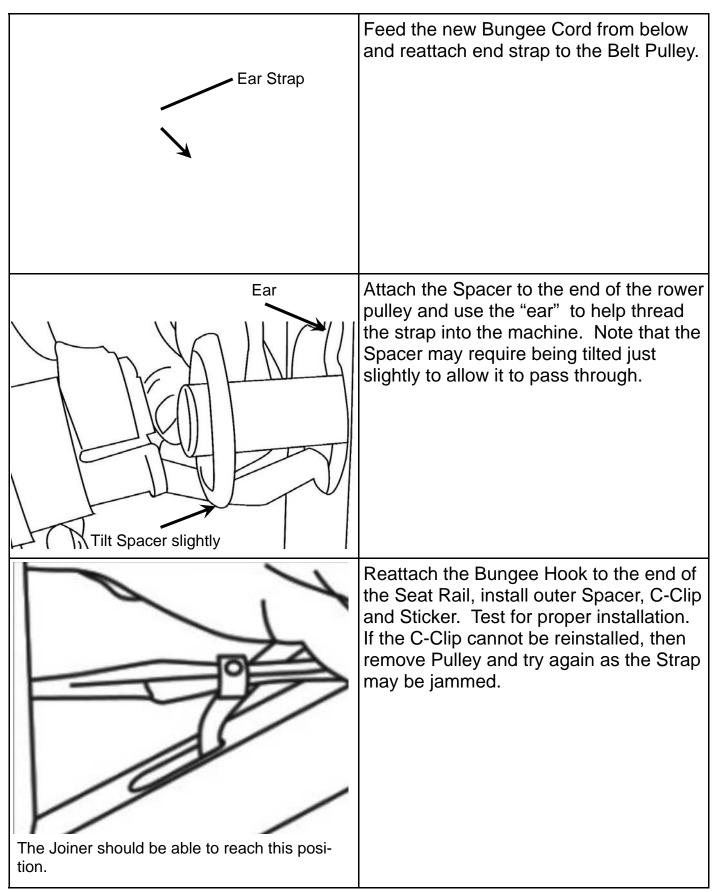
Tank Belt Adjustment



Bungee Cord Replacement. Dealer Assistance Required

(Expect 2-5 years bungee life in commercial use. Damage during initial rower assembly is not covered under warranty)

Harve Salar Andrew Aller	Unhook Bungee Cord Hook. Remove computer mount with 6mm Allen key.
Pulley Sticker C-Clip Spacer	Carefully peel back and remove the Belt Pulley Sticker. Then remove C-Clip and Black Spacer as shown.
Spacer	Remove the Belt Pulley and the Spacer. Unhook the Bungee Cord End from the Pulley and remove by pulling out from the bottom.



Note: A light tap may be required if the black inner Spacer will not pass inside the frame.

Reassemble. Note: A tight C-Clip mounting indicates the process should be repeated as the belt is jammed up.

FLUID ROWER E-520 & VORTEX VX-3 INTERNATIONAL WARRANTY – FULL COMMERCIAL USE

This product is designed and constructed for use in any Health Club / Fitness Studio application.

First Degree Fitness Limited warrants that the **FLUID ROWER E520 & VORTEX VX-3**, purchased from an authorised agent and in its undamaged original packaging, is free from defects in materials and workmanship. First Degree Fitness Limited or its agent will, at their discretion, repair or replace parts that become defective within the warranty period, subject to the specific inclusions and exclusions below.

Metal Frame – 10 Year Limited Warranty

First Degree Fitness will repair or replace the metal Main Frame of the Rower should it fail due to any defect in materials or workmanship within 10 years of the original purchase. Warranty does not apply to frame coating.

Polycarbonate Tank & Seals – 3 Year Limited Warranty

First Degree Fitness will repair or replace the polycarbonate tank or seals should they fail due to any defect in materials or workmanship within 3 years of the original purchase.

Mechanical Components (of a non-wearing nature) – 2 Year Limited Warranty

First Degree Fitness will repair or replace any mechanical component should it fail due to any defect in materials or workmanship within 2 years of the original purchase.

All Other Components (of a wearing nature) – 2 Year Limited Warranty

First Degree Fitness will repair or replace any component should it fail due to any defect in materials or workmanship within 2 years of the original purchase.

Specific Inclusions

Bungee recoil cord, belt and pulley Hand grips & foot straps Polyester rowing belt Seat All pulleys, rollers & bearings All rubber components Computer & speed sensor (excluding replaceable batteries) All drive belts Aluminum seat rails

General Exclusions

Damage to the finish of any part of the machine Damage due to neglect, abuse, incorrect assembly or use of the machine Any charges for freight or customs clearance associated with the return or dispatch of parts Any damage to or loss of goods during transport of any kind Any labour cost associated with a warranty claim

General Conditions

- The serial number of the machine must be correctly registered with First Degree Fitness Limited or one of its appointed distributors
- First Degree Fitness Limited reserve the right to examine any part where replacement is claimed under warranty
- Warranty period applies only to the original purchaser from the date of purchase and is not transferable
- The product must be returned to your place of purchase in original packaging with transportation, insurance and associated charges paid for by you and risk of loss or damage assumed by you
- First Degree Fitness makes no other warranties except as stated here and expressly disclaims all warranties not stated in this warranty. Neither First Degree Fitness nor its associates shall be responsible for incidental or consequential damages
- Manufacturer's warranty automatically commences upon sale of the product to end user or upon the expiration of one (1) year from month of manufacture, whichever occurs first