



ZIRCON



Record serial number

Elite Zircon Spin bike

Thank you for purchasing the **Elite Zircon Spin bike**.

For over 20 years, Elite Fitness™ has been New Zealand's largest supplier of fitness equipment. Our aim and vision is to provide you Elite™ branded products, tested to the highest standard for quality and biomechanics at the best possible price.

Please read through this manual to familiarise yourself with the operation of your new **Elite Zircon Spin bike**. Doing so will help to insure that you get the most out of your machine, enjoying safe and effective workouts ahead.

Even though we go to great efforts to ensure the quality of each product we produce, occasional errors and or omissions do occur. In any event should you find this product to have either a defective or a missing part, please contact us for a replacement.

SERVICE & WARRANTY

For service and warranty assistance please visit:

www.elitefitness.co.nz/service

Online forms are available for Service, Warranty and Parts requests.

(09) 258 9067

Elite Fitness HQ

11 George Bourke Drive

Mt Wellington

Auckland, New Zealand

info@elitefitness.co.nz

0800 2 438 348

www.elitefitness.co.nz

CONTENTS

Important Safety Instructions	3	Maintenance Log	19
Product Specifications	4	Limited Warranty	20
Hardware List	5	Warm up Exercises	21
Assembly instructions	6-9	Training Stages	22
Seat Adjustments	11-12	Parts List	23-24
Console user instructions	13-17	Exploded Drawing	25
Care and Maintenance	18		

IMPORTANT SAFETY INSTRUCTIONS

The following definition applied to the word “WARNING” when used in this manual:



Used to call attention to POTENTIAL hazards that could result in personal injury or loss of life.

READ ALL INSTRUCTIONS BEFORE USING THE MACHINE

This product has been designed for home use only. Product liability and warranty conditions will not be applicable to products being subjected to professional use or products being used in a commercial environment. e.g Gym Centre

This exercise machine is built for optimum safety. However, certain precautions apply whenever you operate a piece of exercise equipment. Be sure read the entire manual before you assemble or operate your machine. In particular, note the following safety precautions.

- Read all instructions in this manual before using this equipment.
- Use the machine only for its intended use as described in this Manual.
- Inspect and tighten all the loose parts before this equipment is used.
- Keeps hands away from moving parts.
- Keep children and pets away from the machine at all time. DO NOT leave children unattended in the same room with the machine.
- Before using the machine to exercise, always do stretching exercises to properly warm up.
- Inspect the machine before each use; make sure all of the connections are tightly secured.
- Only one person at a time should use the machine.
- If the user experiences dizziness, nausea, chest pain, or any other abnormal symptoms, STOP the workout at once. **CONSULT A PHYSICIAN IMMEDIATELY.**
- Position the machine on a clear, levelled surface. DO NOT use the machine near water or outdoors.
- Always wear appropriate workout clothing when exercising. DO NOT wear robes or other clothing that could become caught in the machine. Sporting shoes are recommended when using the machine.
- Do not place any sharp object around the machine.
- Disabled persons should not use the machine without a qualified person or physician in attendance.
- Never operate the machine if the machine is not functioning properly.

- Only carry out training work on the equipment when it is in perfect working order. Only use original spare parts in the event of a repair.
- Do not use strong solvents for cleaning, and only use the tools supplied, or suitable ones of your own, for any repairs that may be required. Please dispose of the packaging and any parts that have to be replaced subsequently (all parts for the unit) at suitable collecting points or containers with a view to saving the environment.
- DO NOT extend the seat stem past the warning line “Max” when adjusting the seat height.
- Not for therapeutic use.

WARNING: Before beginning any exercise program, consult your physician. This is especially important for persons with pre-existing health problems. The seller assumes no responsibility for personal injury or property damage sustained by or through the use of this product.

SERVICE HINTS: The high quality standard of this product only will be kept if you on a regular basis check all screw-connections and moving parts on proper fitting. Damaged parts have to be changed immediately. During the time of repair the product must not be used by anybody.

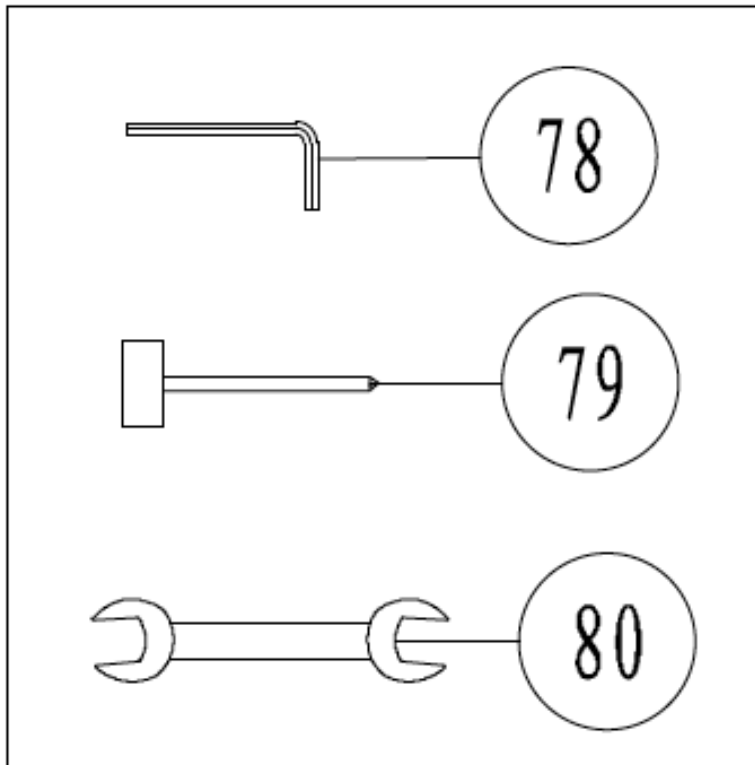
IMPORTANT HINTS:

- A) This product has been tested in accordance with the requirements of EN 957-1/A1, EN 957-5, standard, Class HA (HOME USE). The maximum load is limited to 120KGS.
- B) Parents should be aware of the risk factor of young children playing on fitness equipment unattended. Make sure that the children are instructed properly in the use of the product and in the controlled execution of the different exercise. Misuse of the product could result in serious injury

Product Specifications

User Weight Capacity:	120KG
Dimensions:	116.5x25x93CM
Shipping Weight:	50KG
Net Weight:	45KG
Power Requirements	2pcs 1.5V AAA

HARDWARE LIST



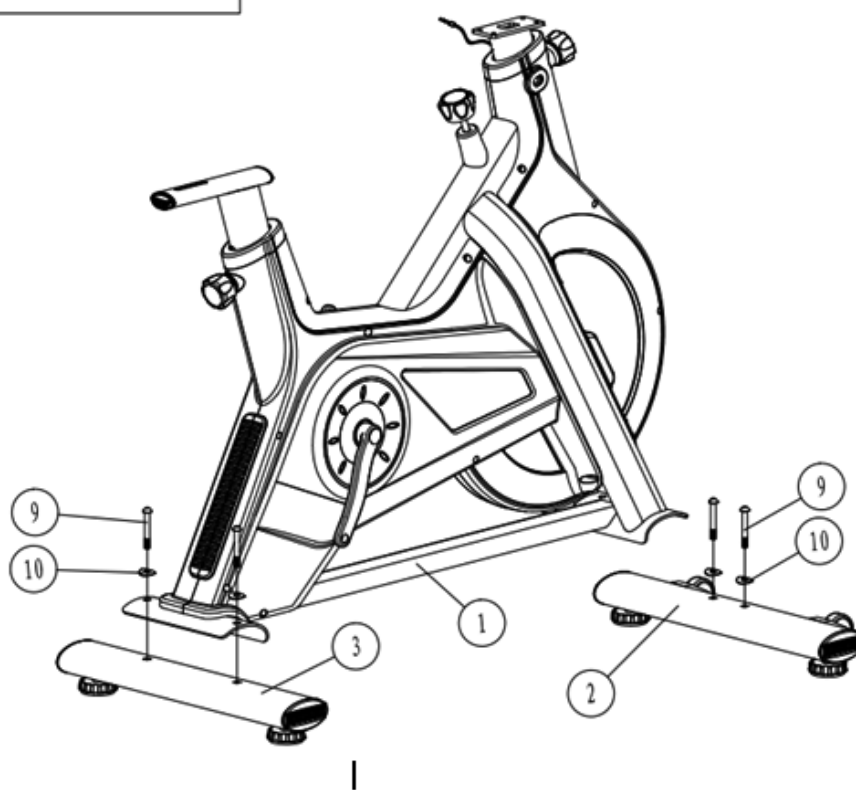
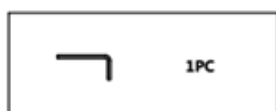
TOOLS REQUIRED FOR ASSEMBLING THE MACHINE:

— One Crossing Wrench and Allen Wrench, provided by manufacturer.

NOTE: It is strongly recommended that two or more people assemble this machine to avoid possible injury.

Prior to assembly of this product, remove all components from the package and verify all the listed parts are supplied.

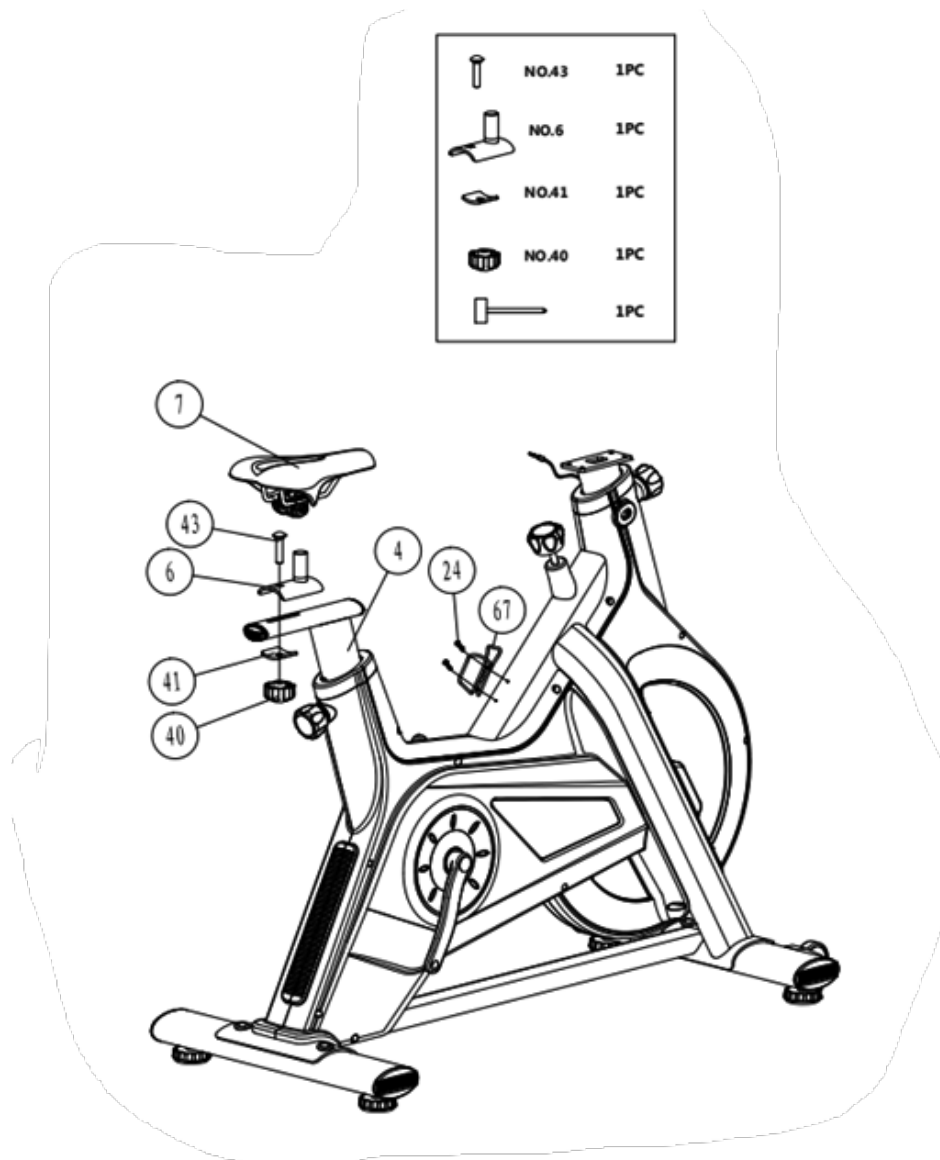
ASSEMBLY INSTRUCTIONS



STEP 1

Attach the Rear Stabiliser (3) to the Main Frame (1) using 2 x Hex Nuts (9), 2 x Washer (10) and tighten with the Allen key wrench provided.

Attach the Front Stabiliser (2) to the Main Frame (1) using 2 x Hex Nuts (9), 2 x Washer (10) and tighten with the Allen key wrench provided.



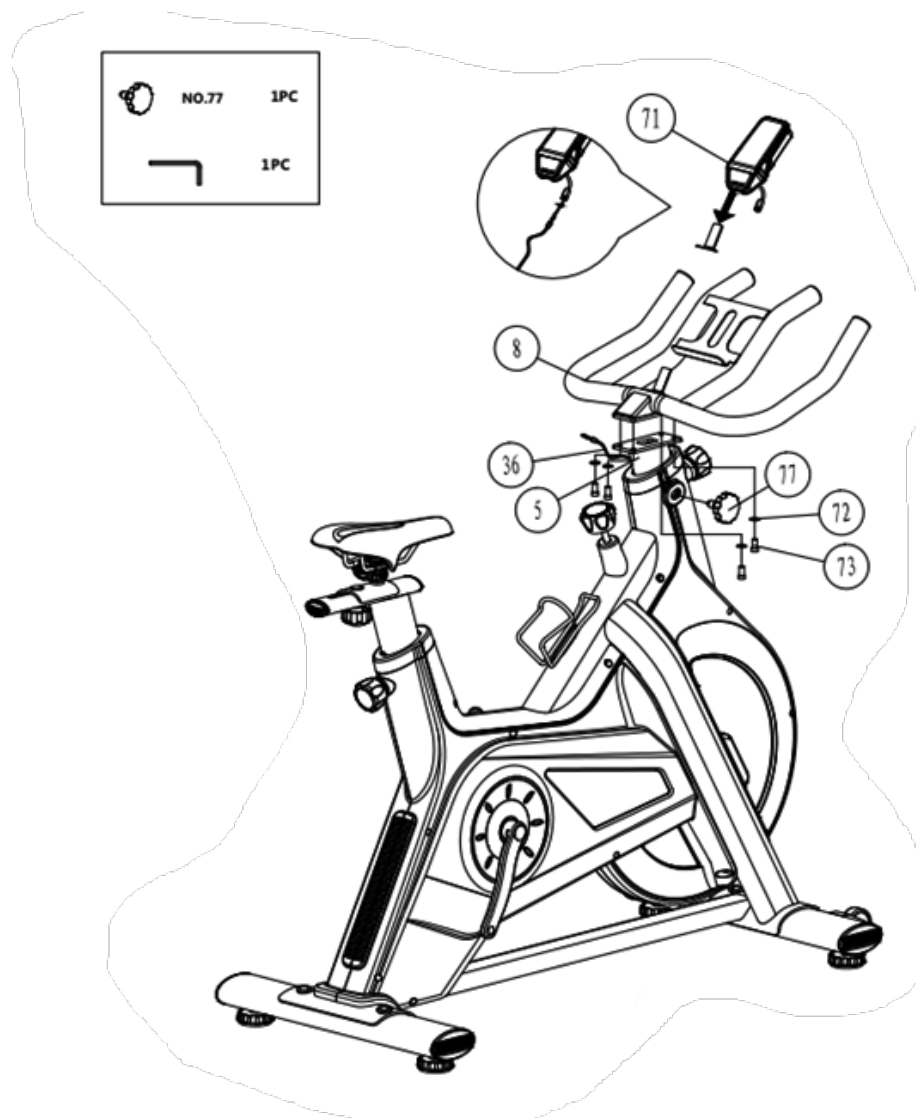
STEP 2

Insert the Seat Post (4) into the Main Frame (1) and secure using the locking pin (37).

Attach the Seat Slider (6) to the Seat Post (4) using 1 x Bolt (43), Washer (41) and Round Knob (40). Hand tighten to secure.

Attach the Seat (7) to the Seat Slider (6) stem and tighten the locking nuts evenly on both sides once the desired tilt position is set.

Fix the Bottle Holder (67) to the Main Frame (1) using 2 x self tapping screws (24)

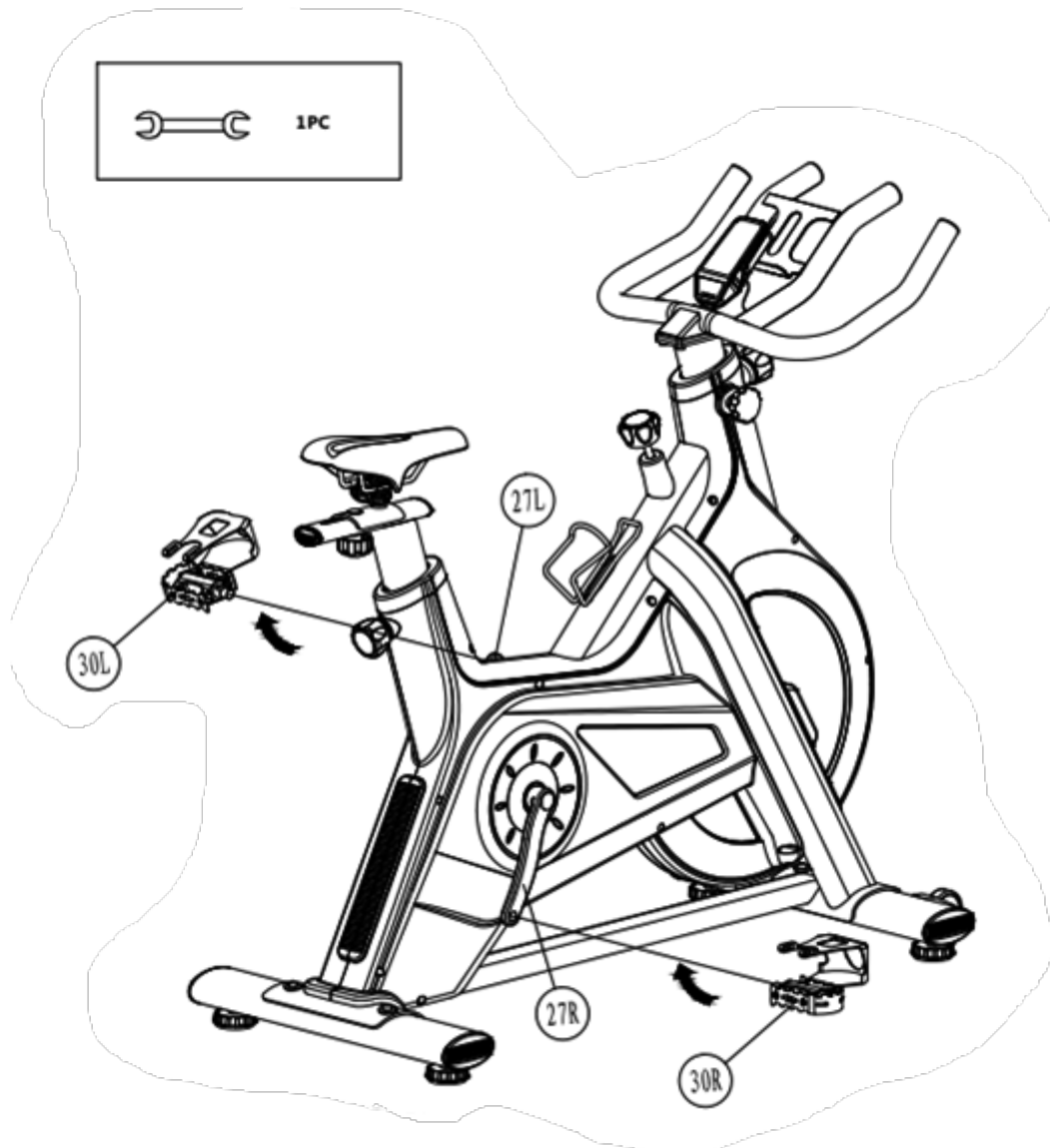


STEP 3

Insert the Handlebar Post (5) into the Main Frame (1) and secure with the Locking Pin (37) at the desired height.

Attach the Handlebar (8) to the HandleBar Post (5) using 4 x Hex Screws (73), 4 x Washers (72).

Slide the Computer (71) onto the Computer Holder located on the Handlebar. Connect the Sensor Cable Plug (36) into the Sensor Joint from the Computer.



STEP 4

Thread the left pedal (#9) that has “L” on the spindle to the left sidearm of the bike using a 15mm spanner.

Please note: that the (L) pedal is left-hand threaded which needs to be turned counterclockwise to tighten.

Thread the right pedal

(#10) that has “R” on the spindle to the right side arm of the bike using the wrench (#5).

Please note: that the (R) pedal is right-hand threaded which needs to be turned clockwise to tighten.

CONGRATULATIONS

Assembly of your **Elite Zircon Spin bike** is now complete! Be sure to fully inspect your machine before using it for the first time.

WARNING

Failure to visually check and test and tech the assembly before use can cause damage to the **Elite Zircon Spin bike** and serious injury to users and bystanders and can also compromise the effectiveness of your exercise program.

SEAT ADJUSTMENT

The positioning of the handlebars can be dependent on the bike design and adjustability available. To minimise back strain, adjust the height to a level that is comfortable for you. We recommend the handlebars be positioned at the same height level as the bike seat as a good starting point.

— Vertical Seat Adjustment

- To adjust the seat height, slacken the spring knob on the vertical post stem on the main frame and pullback the knob. Position the vertical seat post for the desired height so that holes are aligned, then release the knob and retighten it.

— Horizontal Seat Adjustment

- To move the seat forward in the direction of the handlebar or backwards away from it, loosen the adjusting knob and washer and pull the knob back. Slide horizontal seat post into desired position. Align holes and then retighten the adjusting knob.

— Handlebar Height

- To adjust the handlebar height, slacken the spring knob and secondary knob and pull both knobs back. Slide the handlebar post along the housing on the main frame to the desired height and, with the holes aligned correctly, tighten the spring adjusting knob and then the secondary knob.



Please note: The spin bikes shown in the 'setting up your spin bike' section are for demonstration purposes only and your bike may vary in aesthetics and features.

SETTING UP YOUR SPIN BIKE



Saddle Height Adjustment



Adjusting the Seat Fore-and-Aft Position

Having your bike seat adjusted to the right height is essential for a comfortable ride, efficient pedalling and avoiding injury. There are 2 adjustments located on the seat post. The first is a vertical height adjustment, the second is for horizontal seat position. Although there are many methods and opinions on the optimal saddle setting, the following is a quick and easy method to get started. Further adjustments can be made afterwards to optimise your position and comfort.

Saddle Height Adjustment

Place your heels on the bike pedals and pedal backward. Your legs should be fully extended with your knees straight. If your hips rock from side to side while pedalling backward, the seat is too high.

Place the ball of your foot on the pedal. There should now be a slight bend in your knee when the pedal is at its lowest point. This is a good starting point.

Adjusting the Seat Fore-and-Aft Position

Once you've adjusted seat height, it's time to find the correct fore-and-aft position of the saddle. This determines where you sit in relationship to the crank set (where the pedals are attached), which helps decide how comfortable and efficient you'll be when riding. This also minimises stress to the knee by being in a more neutral position.

If you want to try to check the fore-and-aft setting at home, you will need a second person and a plumb line (a length of string with a nut or washer tied on the end will work fine).

Whilst sitting on the seat saddle bring your right crank arm around and have your helper stop the crank when the pedal is at three o'clock or parallel with the floor. Note that for this measurement to be accurate, your shoes must be correctly positioned on the pedals (the balls of your feet should be over the pedal axles).

CONSOLE USER INSTRUCTIONS



DISPLAY FUNCTION

ITEM	DESCRIPTION	
SCAN	<p>In SCAN mode, press MODE/ENTER key to choose functions.</p> <ul style="list-style-type: none"> . Automatically scan through each mode in sequence every 6 seconds. . The sequence of display when press MODE/ENTER key : TIME→ DIST→CAL→PULSE→RPM/SPEED 	
SPEED	<p>Range 0.0 - 99.9</p> <ul style="list-style-type: none"> . Without any signal being transmitted into the monitor for 4 seconds during workout, SPEED will display "0.0" 	
RPM	<ul style="list-style-type: none"> . Range 0 -999 . Without any signal being transmitted into the monitor for 4 seconds during workout, RPM will display "0". 	
TIME	<ul style="list-style-type: none"> . Without setting the target value, time will count up. . When setting the target value, time will count down from your target time to 0 and alarm will sound or flash. . Without any signal being transmitted into the monitor for 4 seconds during workout, time will STOP . Range 0:00 - 99:59 	
DISTANCE	<ul style="list-style-type: none"> . Without setting the target value, distance will count up. . When setting the target value, distance will count down from your target distance to 0 with an alarm sound or flash. . Range 0.00-99.99 	
CALORIES	<p>Without setting the target value, calorie will count up.</p> <ul style="list-style-type: none"> . When setting the target value, calories will count down from your target calorie to 0 with an alarm sound or flash. . Range 0-9999 	
PULSE	<ul style="list-style-type: none"> . Current pulse will display after 6 seconds when detected by the console. . Without any pulse signal for 6 seconds, console will display "p". . Pulse alarm will sound when current pulse is over the target pulse. . Range 0-30-230 BPM 	

KEY FUNCTION

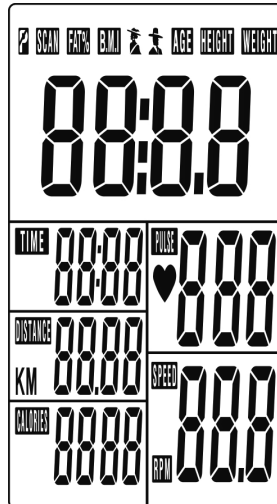
ITEM	DESCRIPTION	
SET	<ul style="list-style-type: none"> . Press set key to increase value. Press and hold the key to increase value faster. . Time setting range: 00:00-99:00 (Each increment is 1:00) . Cal setting range: 0-9990 (Each increment is 10) . Dist setting range: 0.00-99.50 (Each increment is 0.5) . Pulse setting range: 0-30-230 (Each increment is 1) 	
MODE/ ENTER	<ul style="list-style-type: none"> . Choose each function by pressing mode/enter key. . Press and hold mode/enter key for 2 seconds to reset all functions (same feature as the reset key if press for 2 seconds). 	
RESET	<ul style="list-style-type: none"> . In setting mode, press reset key once to reset the current function figures. . Press reset key and hold for 2 seconds to reset all function figures. 	
RECOVERY	<p>After the console detects pulse signal, press the recovery key to enter recovery mode to monitor heart rate recovery ability.</p>	

CONSOLE USER INSTRUCTIONS

OPERATION PROCEDURES:

POWER ON

LCD will display all segments as Drawing 1.



Drawing 1

POWER OFF

Without any signal being transmitted into the monitor for 4 minutes the monitor will enter sleep mode.

OPERATION

1. Workout setting

Press Mode/Enter key to select the function of time, distance, calories and pulse. Use set key for setting and press mode/enter key for confirmation.

For instance the time set-up, when the time value is blinking, you can use set key to adjust the number. Press Mode/Enter key for confirmation and skip to next set-up. The set-up of Distance, Calories and Pulse is the same as time set-up.

Once the workout begins and the console picks up the exercise signal, the value of Speed /RPM, Time, Distance and Calories will count up on the display.

2. Recovery

The Recovery key will only be valid if the pulse is detected.

Time will show "0:60" (seconds) and counts down to 0.

- Computer will show F1 to F6 after the countdown to test heart rate recovery status. User can find the heart rate recovery level based on the chart below.
- Press Recovery key again to return to the beginning.

F1	Outstanding
F2	Excellent
F3	Good
F4	Fair
F5	Below average
F6	Poor

Troubleshooting:

- . When the display of LCD is dim, it means the batteries need to be changed.
- . If there is no signal when you pedal, please check if the cable is well connected.

NOTE:

1. When you stop training for 4 minutes, the main screen will turn off.
2. If the computer displays unusual, please re-install the batteries and try again.

CARE AND MAINTENANCE

WARNING

Before cleaning or carrying out any maintenance on your spin bike, ensure the power is turned off and the power cord removed from the plug socket.

Prolong the life of your spin bike by performing periodic maintenance checks. Not only does this ensure your machine is in full working order to ensure they continue to run smoothly and reliably, but it will save you service costs in the long run.

- General cleaning of the unit after use will protect the bikes powder-coated framework and prevent unnecessary corrosion stains and damage to the structural components from sweat and perspiration.
- Check all nuts and bolts securing the framework, seat and handlebar assemblies are tight.
- Ensure the pedals are securely attached to the crank arms. When tightening pay attention to the reverse thread (tightening Anti-clockwise) on the left hand pedal assembly, when sitting on the bike. Be careful not to strip or force the pedal thread when tightening.

Friction Brake Pad System

Where a felt-type brake pad system is used, periodically lubricate the pad with a silicone based spray to prolong it's service life. Do NOT use WD40 or similar lubricants. Ensure the contact surface on the flywheel is kept clean and free of debris and sweat.

If a leather material brake pad is used, no lubrication is required.

NOTE: DO NOT ATTEMPT TO OVERTIGHTEN THE TENSION DIAL ADJUSTMENT, OVER TIGHTENING MAY CAUSE DAMAGE TO THE SHAFT THREAD.

Magnetic Braking System

If you have a magnetic spin cycle, there is normally no adjustment necessary as they use a low maintenance non-friction resistance system. Periodically check the movement of the magnetic brake via the cable level or tension dial to ensure it does not come into contact with the rotating flywheel at any time. The flywheel surface should be kept clean and free of dust debris and sweat.

Chain Driven

The chain will require periodic lubrication of the chain to maintain a smooth and quiet motion. The chain guard may need to be removed to perform this procedure. You may wish to put a drop sheet or similar under your bike to protect your floor coverings.

Before lubricating the chain, use an old rag to remove any old oil or residue from the chain. Lightly apply a chain or multipurpose oil to the chain. Secure the chain guard before using your bike.

Belt Driven

Belts do not require lubrication, however through normal wear and tear they may stretch and require forward adjustment of the flywheel to increase the belt tension if any slippage occurs. The adjustable tension bolts are normally found attached to the flywheel axle. DO NOT over-tighten, only enough to stop any slipping of the belt drive system.

If you require further assistance or advice contact the Elite Fitness Service Department or your nearest Elite Fitness Store.

MAINTENANCE LOG

Prolong the life of your spin bike by performing periodic maintenance checks. Not only does this ensure your machine is in full working order, but it will save you service costs in the long run.

Every time you perform maintenance, record the date and if you can, the distance and hours operated.

DATE	HOURS	DISTANCE	MECHANICAL MAINTENANCE		FRAME		SERVICE COMMENTS
			<i>Brake</i>	<i>Chain / Belt</i>	<i>Cleaned</i>	<i>Seat / Pedals</i>	
eg: 01/06	15	16.5km	√	√	√	√	none

LIMITED WARRANTY

Warranty Range

Damage in correct maintenance and normal operations (not factitious factors). Warranty card to the original purchaser, shall not be transferred.

Warranty Time

HOME USE

- 10 Year Frame
- 1 Year Parts and 1 year Labour

The following conditions are not under warranty range:

- A) As a result of abuse, neglect, accident, or unauthorized modification;
- B) The damage due to incorrect assembly or adjustment of the machine;

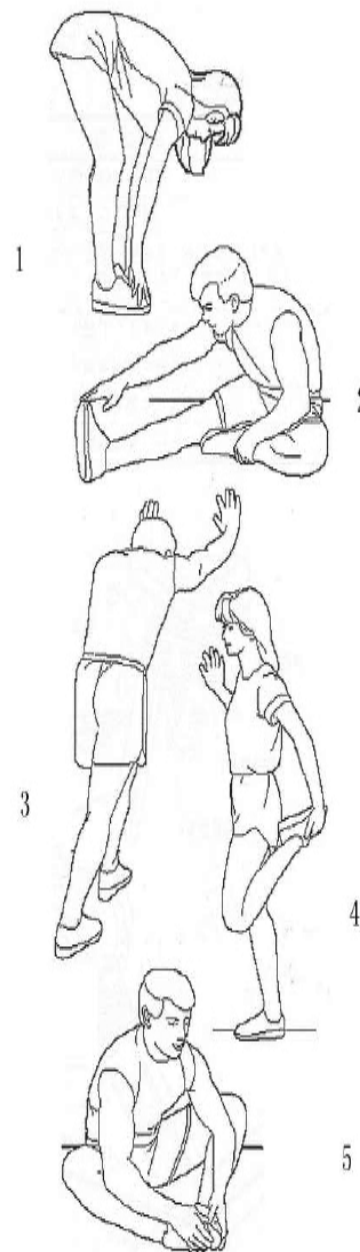
Repair and Maintenance Service

Please contact our Elite Fitness Service Department at eliteservice@elitefitness.co.nz or visit www.elitefitness.co.nz for any service related issues or advice on preventative maintenance servicing procedures.

WARM-UP EXERCISE

Warm up exercise is important in preparing the muscles for activity whilst minimising the risk of injury. You may choose to warm up with a light/brisk walking pace for 5-10 minutes before stopping and performing some simple stretches. (As shown in the pictures below)

- Hamstring Stretch (Standing) Keep your knees slightly bent and slowly lean forward, back and shoulders relaxed, reaching towards your toes. You should feel the tension and slight discomfort in your hamstring muscles. Hold for 15-20 seconds. Repeat 2-3 times.
- Hamstrings Stretches (Seated) Sitting on the floor preferably on a mat, put one leg straight, the other inward and close to the inside of the straight leg. Lean forward from the hips, reaching towards your toes. Hold for 10-15 seconds, and relax. Repeat 3 times for each leg (See picture 2).
- Crus and Feet Tendon Stretches Standing with two hands on the wall or tree, one leg behind. Keeping your legs straight and the heel on the ground, lean forward towards the wall or tree. Hold for 10-15 seconds, and relax. Repeat 3 times for each leg (See picture 3).
- Quadriceps Stretches Keeping your balance with your left hand holding onto a wall or stationery fixture, grasp your right foot with your right hand and stretch your right heel toward your buttocks slowly, until you feel the stretch in the front of your thigh. Hold for 10-15 seconds, and relax. Repeat 3 times for each leg (See picture 4).
- Sartorius (Inner Muscles of the Thigh) Muscle
- Stretches Sitting down with the soles of your feet or shoes together and your knees positioned outward. Pull your feet towards your groin until you can feel the stretch. Hold for 10-15 seconds, and relax. Repeat 3 times (See picture 5).



TRAINING STAGES

		Exercise Zone									
		AGE									
		20	25	30	35	40	45	50	55	60	70
Beats Per Minute	100%	VO2 Max (Maximum Effort)									
	90%	180	176	171	167	162	158	153	149	140	135
	Anaerobic (Hardcore Training)										
	80%	160	156	152	148	144	140	136	132	124	120
	Aerobic (Cardio Training/Endurance)										
	70%	140	137	133	130	126	123	119	116	109	105
Weight Control (Fitness/Fat Burn)											
60%	120	117	114	111	108	105	102	99	93	90	
Moderate Activity (Maintenance/Warm up)											
50%	100	98	95	93	90	88	85	83	78	75	

Cardiovascular training plays an important part in maintaining a healthy heart and lung function, so it's no surprise we should be paying attention to how quickly our heart beats during exercise. The chart above outlines a range of heart rate training zones determined by the individual's age and workout goals to ensure you train safely and effectively.

Heart Rate can be measured by using the radial (wrist) or carotid (neck) pulse using your index and middle fingers, counting the beats for 10 seconds and multiplying by 6. Alternatively, the use of a Wireless Telemetry Heart Rate strap and watch will give you an accurate Beats Per Minute (BPM) reading.

$220 - \text{AGE} = \text{TMHR}$ (Theoretical Maximum Heart Rate)

$\text{TMHR} \times 85\% = \text{(Upper Training Limit) bpm}$ (Beats per Minute)

$\text{TMHR} \times 65\% = \text{(Lower Training Limit) bpm}$

Note: Contact heart rate may provide inaccurate readings and is designed only as a guide

Example: $220 - 39 = 181 \text{ bpm}$

$181 \times 85\% (0.85) = 154 \text{ bpm}$ (Upper Training Limit)

$181 \times 65\% (0.65) = 118 \text{ bpm}$ (Lower Training Limit)

PARTS LIST

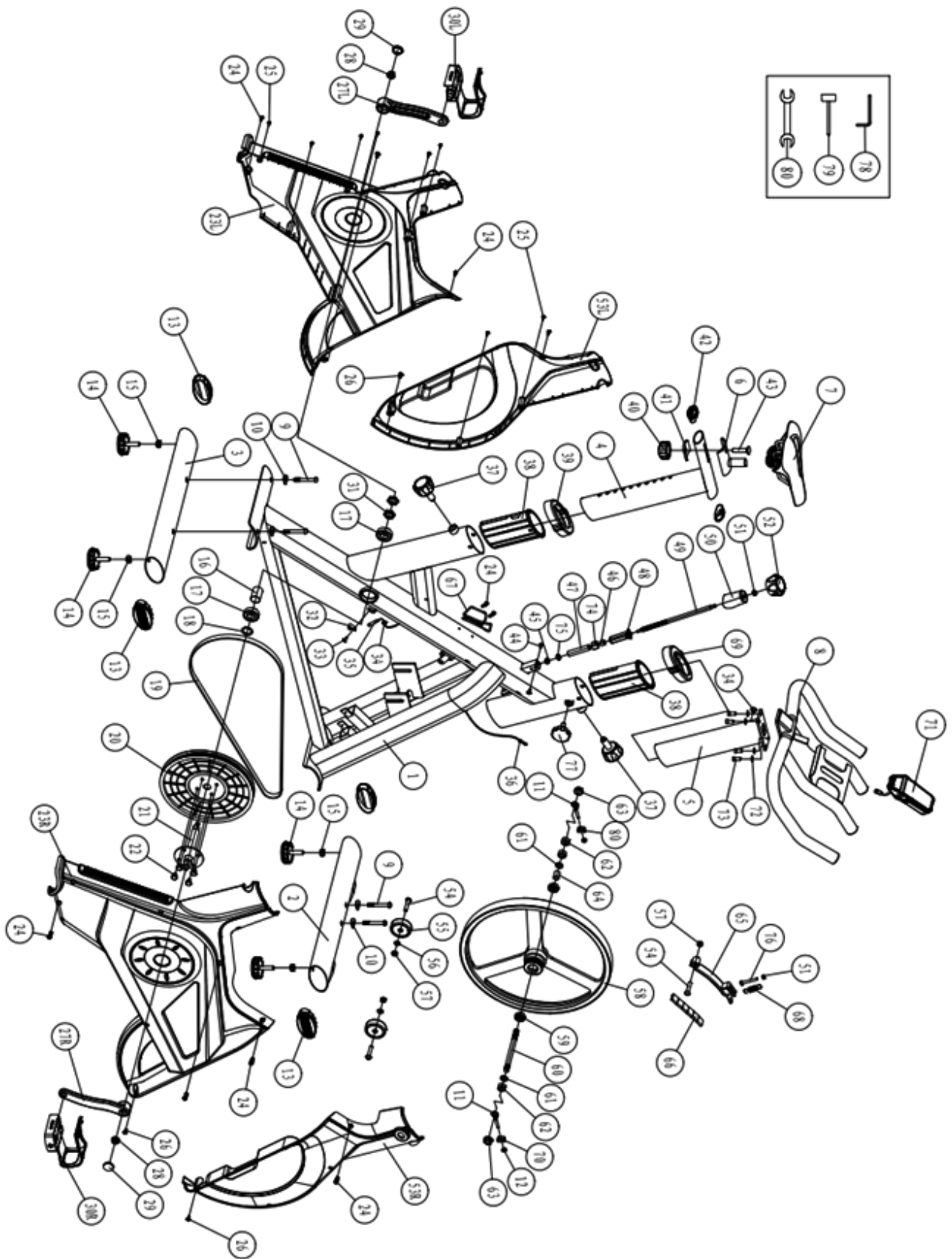
We recommend 2 people assist in assembling this unit. Place all parts of the spin bike in a cleared area and remove the packing materials. Do not dispose of the packing materials until assembly is completed. Before you start installation, inspect and prepare all parts and screws featured in this manual. When you open the carton, you will find the following parts:

Part No.	Description	Quantity	Part	Description	Quantity
1	Main Frame	1	35	Sensor cable 1	1
2	Front Tube	1	36	Sensor cable 2	1
3	Rear Tube	1	37	Knob	2
4	Seat Post	1	38	Tube clamp	2
5	Handlebar Post	1	39	Trim cover	1
6	Slider	1	40	Round Knob	1
7	Seat	1	41	Washer	1
8	Handlebar	1	42	Tube Clamp	2
9	Hexagon Nut	4	43	Bolt	1
10	Washer	4	44	Flat Screw	2
11	Adjuster	2	45	Cap	1
12	Nylon Cap	2	46	Hexagon nut	1
13	End Cap	4	47	Brake limit tube	1
14	Foot Pad	4	48	Brake bushing	1
15	Hexagon nut	4	49	Brake bar	1
16	Bushing	1	50	Brake trim cover	1
17	Bearing	2	51	Hexagon nut	1
18	Washer	3	52	Brake knob	1
19	Belt	1	53	Front cover (L+R)	1
20	Belt Pulley	1	54	Screw	3
21	Axle	1	55	Moving Flywheel	2
22	Hexagon Screw	4	56	Washer	2
23	Rear Cover (L+R)	1	57	Nylon cap	3
24	Drilling Screw	8	58	Flywheel	1
25	Tapping Screw	9	59	Bearing	2
26	Round Screw	2	60	Flywheel axle pipe	1
27	Crank (L+R)	1	61	Washer	3
28	Flange Nut	2	62	Hexagon nut	3
29	Crank Plug	2	63	Flange nut	2
30	Pedal (L+R)	1	64	Bushing	1
31	Hexagon nut	2	65	Magnetic steel frame	1
32	Clamp	1	66	Strong magnet	6
33	Flat Screw	1	67	Bottle Holder	1
34	Stopper	1	68	Spring	1

PARTS LIST

PART NO.	DESCRIPTION	Q'TY
69	Front trim cover	1
70	Board	2
71	Computer	1
72	Washer	4
73	Screw	4
74	Hexagon nut	1
75	Washer	1
76	Screw	1
77	Knob	1
78	Hexagon wrench	1
79	Socket wrench	1
80	Open wrench	1

EXPLODED DRAWING





For more information about our Elite exercise equipment or other brands that we stock for your home, visit www.elitefitness.co.nz

Copyright © 2017 Elite Fitness

Elite Fitness, 11 George Bourke Drive, Mt Wellington, Auckland, New Zealand,
0800 243 834, www.elitefitness.co.nz

Keep up to date with the latest products, competitions and equipment, follow us on our social media sites.



[@EliteFitnessNZ](https://www.instagram.com/EliteFitnessNZ)

[@EliteFitnessTV](https://www.youtube.com/EliteFitnessTV)