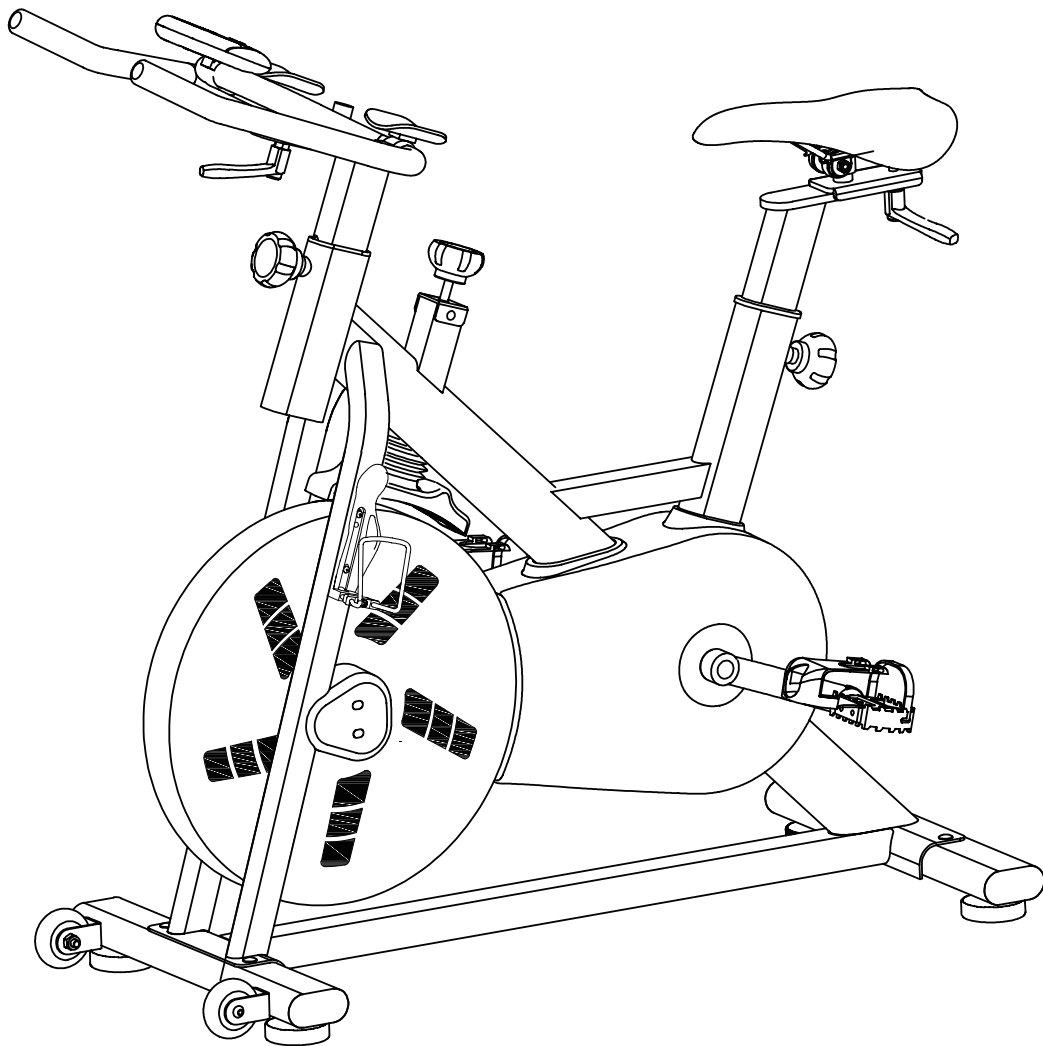




POLARIS

SPIN BIKE



Record serial number

Elite Polaris 2 Spin Bike

Thank you for purchasing the **Elite Polaris 2 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 Polaris 2 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

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Auckland, New Zealand

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IMPORTANT SAFETY INSTRUCTIONS

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



WARNING

Used to call attention to POTENTIAL hazards that could result in personal injury.

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 to 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.
- Keep hands away from moving parts.
- Keep children and pets away from the machine at all times. **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 programme, 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 need 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 150KGS.
- B) Parents should be aware of the risk factor of young children playing on fitness equipment unattended. Make sure that children are instructed properly in the use of the product and in the controlled execution of the different exercises. Misuse of the product could result in serious injury.

PRODUCT SPECIFICATIONS

User Weight Capacity:	150kg
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Dimensions:	111cm L x 53.5cm W x 124cm H
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Shipping Weight:	58.5kg
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Net Weight:	50kg
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ASSEMBLY INSTRUCTIONS

**Refer to Parts List for all Part Numbers and Descriptions*

STEP 1: FORWARD & REAR STABILISERS



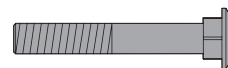
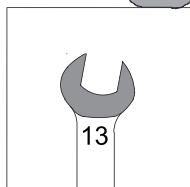
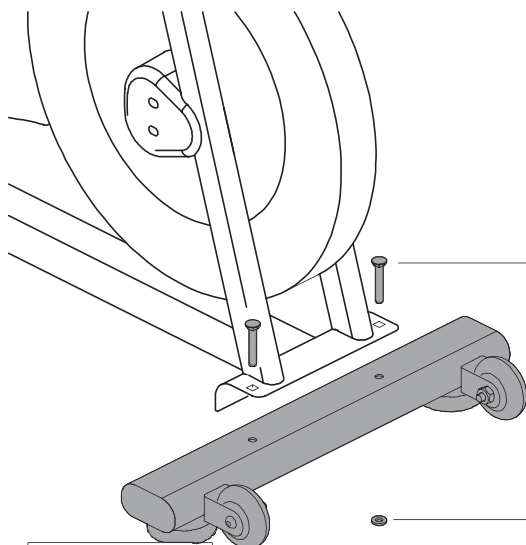
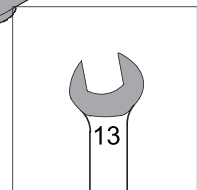
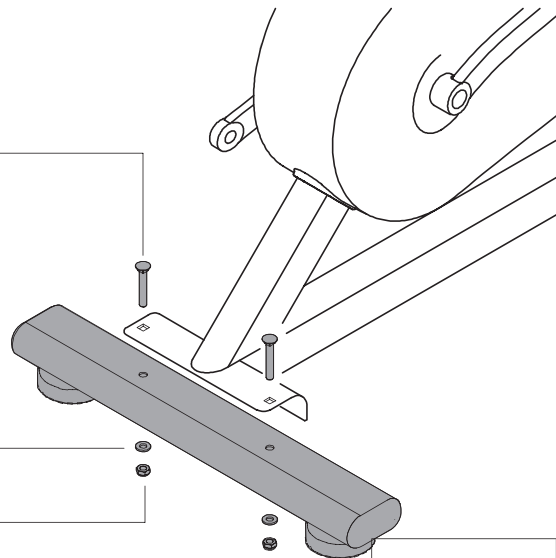
63. Carriage Bolt
M8x55 2pcs



56. Washer
8x16x1.5T 2pcs



50. Cap nut
M8 2pcs



63. Carriage Bolt
M8x55 2pcs

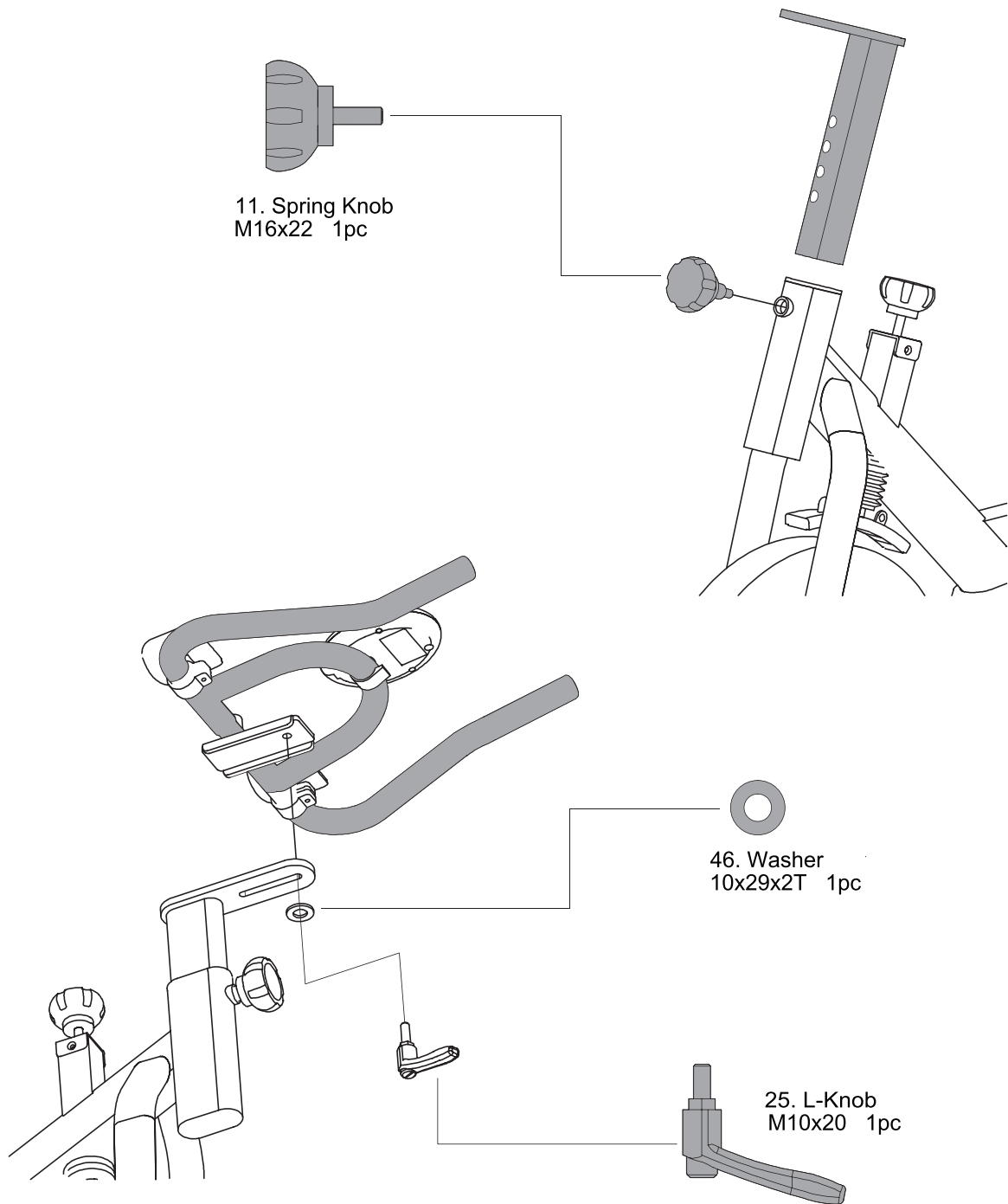


56. Washer
8x16x1.5T 2pcs

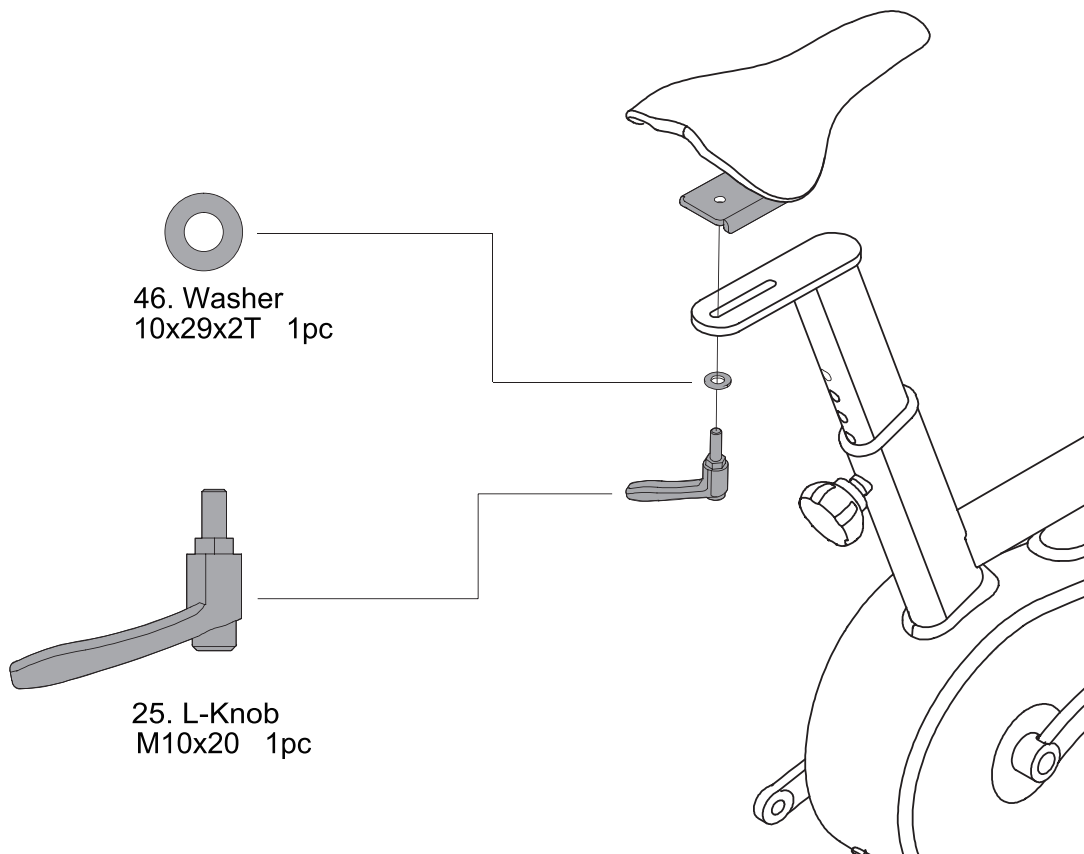
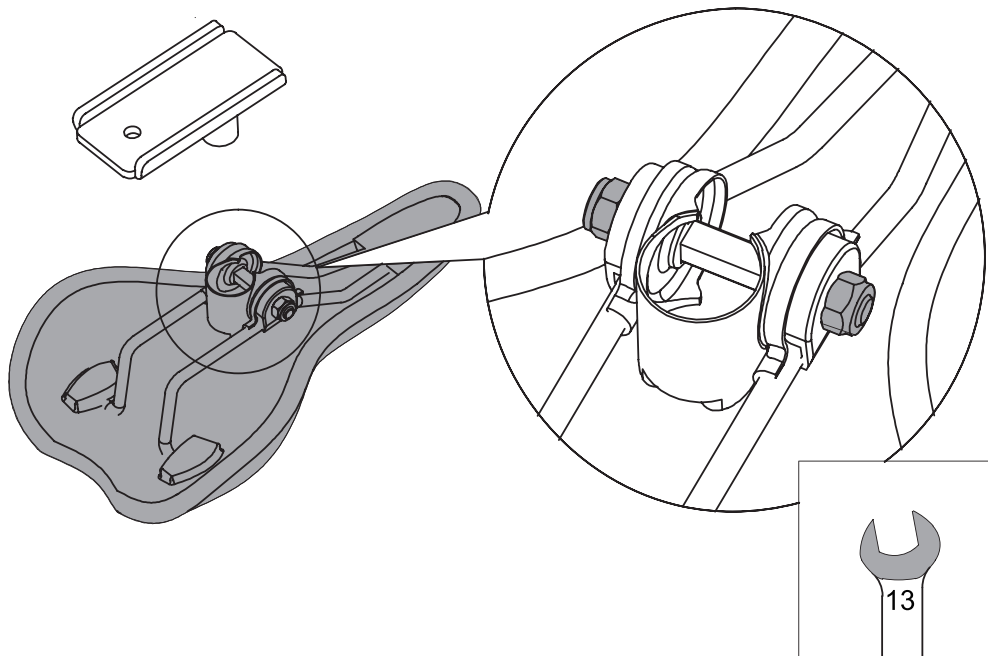


50. Cap nut
M8 2pcs

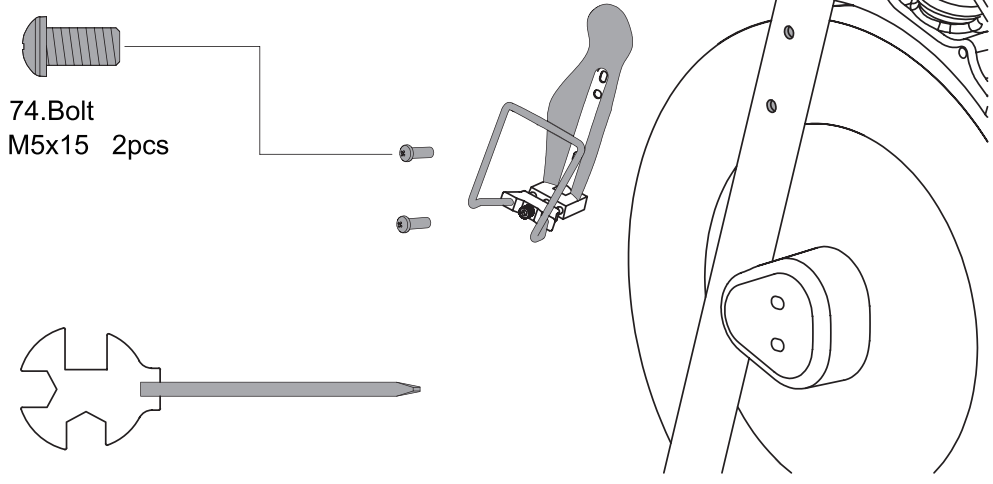
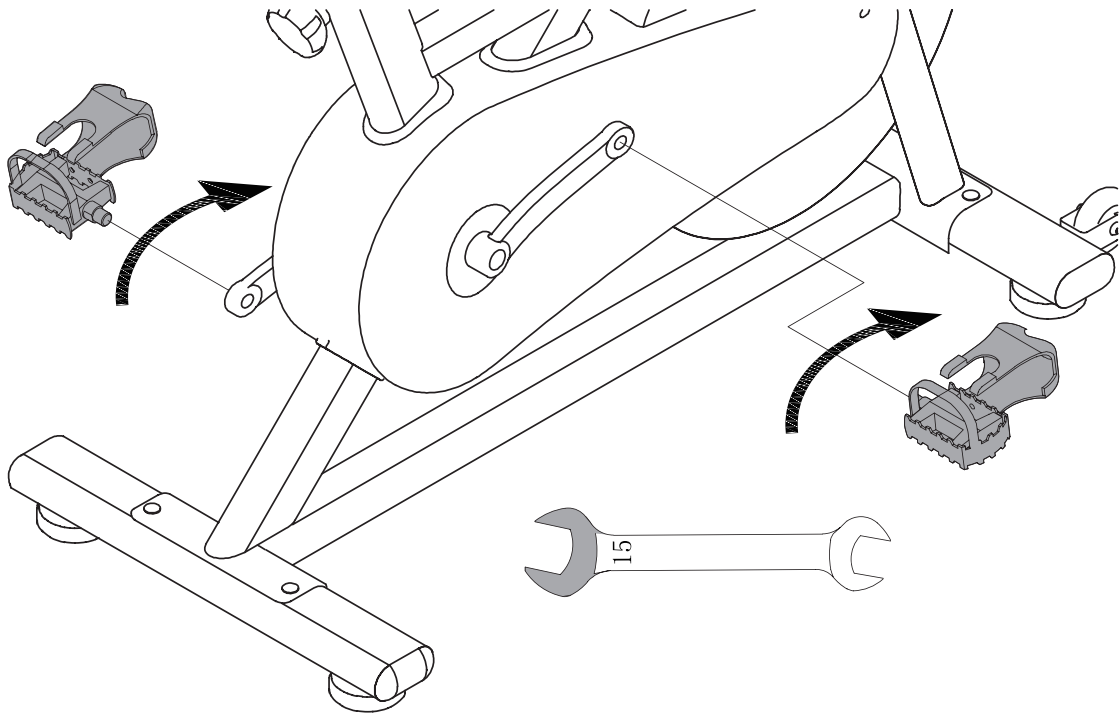
STEP 2: HANDLEBAR



STEP 3: SADDLE



STEP 4: PEDALS



CONGRATULATIONS

Assembly of your **Elite Polaris 2 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 the assembly of your spin bike before use can cause damage to the spin bike and injury.*

USER INFORMATION

COMPUTER

Button Function

Pressing and holding the ON button will reset all exercise values.

Pressing button during exercise will stop function. Check preferred data display before starting.

Function

SCAN - Displays RPM, Speed, Distance, Calories

RPM - Displays the Rotation Per Minute. The RPM and SPEED will switch to another display every 6 seconds when exercise commences.

TIME - Accumulates workout time from 00:00 up to 99:59

SPEED - Displays current training speed. Maximum Speed is 99.9km/h or mile/h.

DISTANCE - Accumulates workout time from 00:00 up to 99:59

CALORIES - Accumulates calories burned during training from 0 to a maximum of 9999 calories.

**This data is only an estimate for comparison of different exercise sessions.*

Note

1. After inactivity for 4 minutes, the main screen will turn off. Press the key to power the console again.
2. If the computer displays abnormally, please re-install batteries and try again.
3. Battery Spec: 1.5V UM-3 or AA (x2)

SEAT & HANDLEBAR ADJUSTMENT



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).



Holding this position, have your helper place the end of the plumb line (line of string with nut/washer) on the front of your leg, at a point just below the bony protrusion that's beneath the kneecap.

The plumb line's weight should hang over your shoe. Check again to ensure that the crank-arm and pedal are level. By looking at the plumb line the knee should be in alignment with the centre spindle or axle of the pedal. Adjust the saddle to the correct position then tighten the locking pin.

Handle Bar 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.

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

CARE AND MAINTENANCE

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.

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 Labour

The following conditions are not under warranty range:

- A) As a result of abuse, neglect, accident, or unauthorised 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**

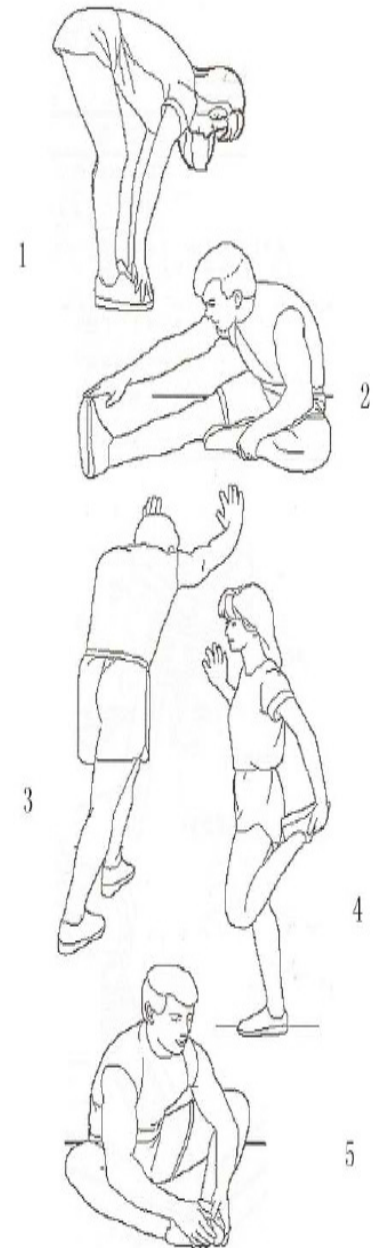
Standing with two hands on the wall or tree, one leg behind. Keeping your legs straight and the heel on the ground, lean forward towards the wall or tree. Hold for 10-15 seconds, and relax. Repeat 3 times for each leg (See picture 3).

— **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									
Beats Per Minute	100%	200	195	190	185	180	175	170	165	155	150
	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)

$\text{TMHR} \times 85\% = \text{(Upper Training Limit) BPM}$

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

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

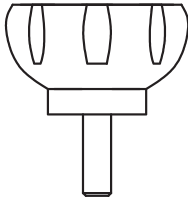
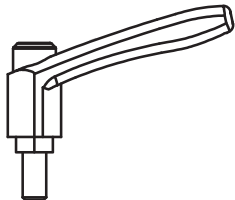
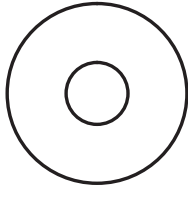

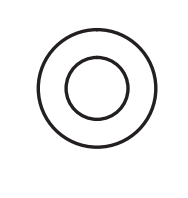

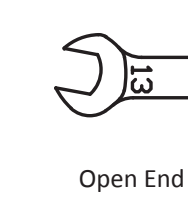
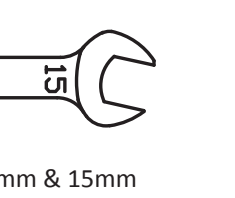




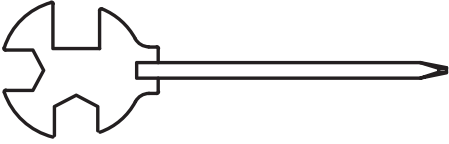
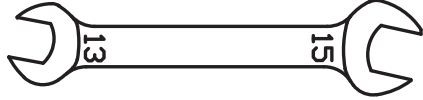
We recommend 2 people assist in assembling this unit. Place all parts of the spin bike in a cleared area and remove the packing materials. Do not dispose of the packing materials until assembly is completed. Before you start installation, inspect and prepare all parts and screws featured in this manual.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

PART NO.	DESCRIPTION	Q'TY	PART NO.	DESCRIPTION	Q'TY
1	Main Frame	1 Set	34	Magnet Bracket	1 Set
2	Front Stabiliser	1	35	Hex Bolt M6 x 35	1
3	Rear Stabiliser	1	36	Nylon Locknut M10 x 9T	2
4	Upright Tube	1	37	Axis \varnothing 20 x 150mm	1
5	Saddle Support Tube	1	38	Steel Sleeve \varnothing 12 x 17 x 9	1
6	Handlebar	1	39	Idle Wheel Fixture	1
7	Seat Moving Bracket	1	40	Spring \varnothing 2.6	1
8	Plastic Fastener 40 x 80 x 95	2	41	Fixed Plate	2
9	Saddle VL-3250	1	42	Belt Wheel w/ Axis	1 Set
10	Oval End Cap 40 x 80	4	43	Bolt M4 x 15	1
11	Spring Knob M16 x 22	1	44	Hex Nut M5	2
12	Computer Bracket	1	45	Bolt M5 x 25	2
13R	Main Chain Cover (R)	1	46	Washer 10 x 29 x 2T	2
13L	Main Chain Cover (L)	1	47	Screw M5 x 12	3
14	Tension Control Knob M10	1	48	Hex Nut 3/8"26 x 9T	2
15R	Magnet Plastic Cover (R)	1	49	Bolt M5 x 10	2
15L	Magnet Plastic Cover (L)	1	50	Cap Nut M8	6
16	Cushion Knob M10 x 25	4	51	Idle Wheel	1
17	Transport Wheels \varnothing 70	2	52	Washer 12 x 12 x 1T	1
18R	Pedal (R)	1	53	Screw M5 x 10	2
18L	Pedal (L)	1	54	Steel Pin	1
19	Crank Cap	2	55	Self-Tapping Screw M4.5 x 15	2
20	Plastic Sleeve \varnothing 7.9 x 12.7 x 23.5	2	56	Washer 8 x 16 x 1.5T	4
21	Side Trim Cover	1	57	Hex Socket Head Bolt M8 x 38	2
22	Computer ST6554	1	58	Hex Nut 3/8"26 x 6T	4
23	Elbow Support	2	59	C-Ring \varnothing 20	4
24	Fastener	2	60	Plastic Washer 10 x 20 x 2T	2
25	L-Knob M10 x 20	2	61	Steel Bearing 6004-2RS	2
26	Curled Wire 300mm	1	62	Plastic Bearing \varnothing 12.8 x 21.4 x 6.7	4
27R	Crank (R)	1	63	Carriage Bolt M8 x 55	4
27L	Crank (L)	1	64	Protective Plug	1
28	Flywheel	1	65	Sensor Wire 470mm	1
29	Belt 1460 PK5	1	66	Screw M5 x 12	1
30	Tension Control Bar	1	67	Sensor Wire Fixture	1
31	Chromated Plate	1	68	Flange Nut M10 x 10T	2
32	Steel Sleeve \varnothing 10.2 x 15 x 8	1	69	Bolt M10 x 32	1
33	Support Bar 20 x 20 x 1.4T	1	70	Screw M4 x 25	7

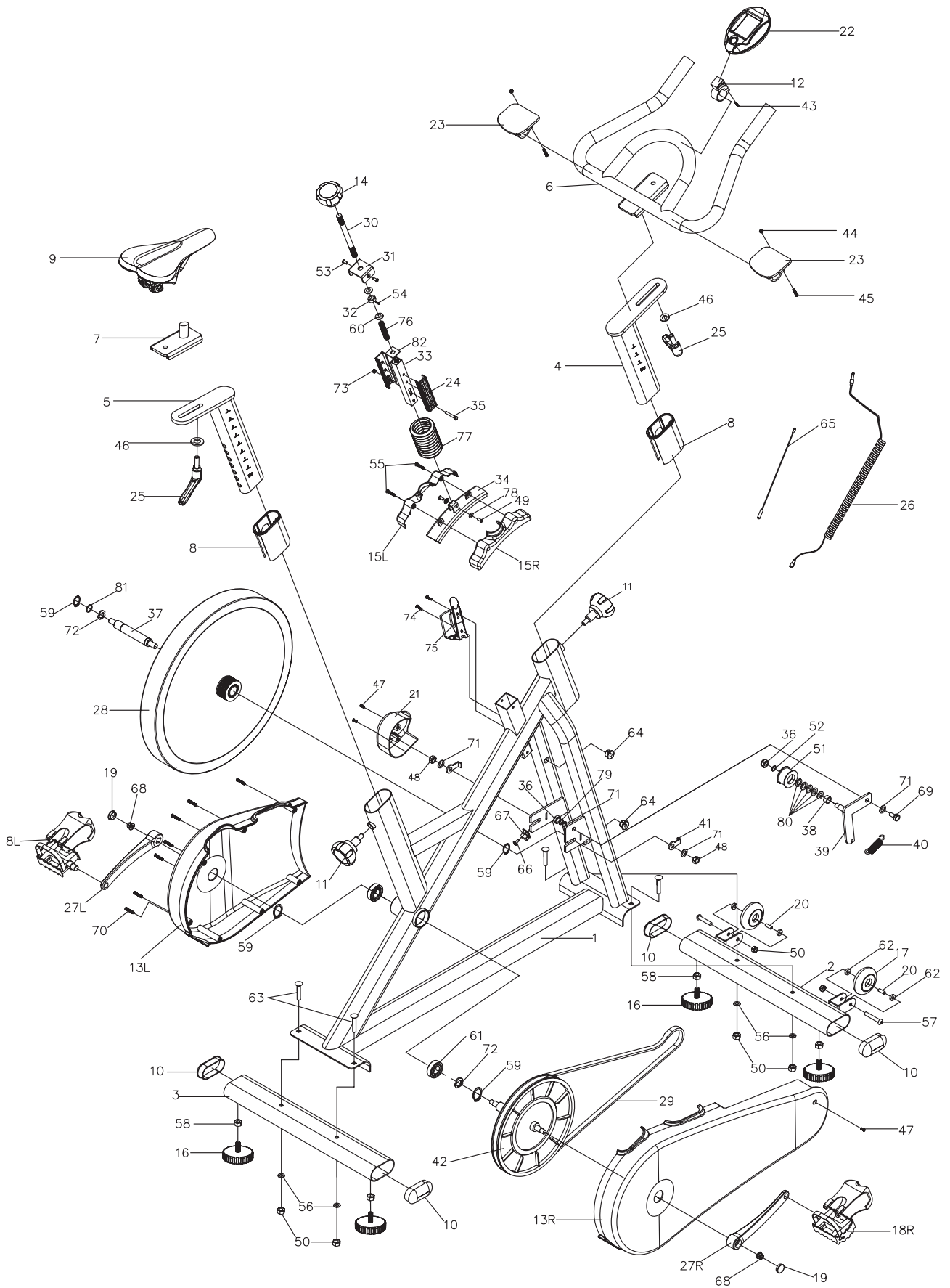
PARTS LIST

PART NO.	DESCRIPTION	Q'TY
71	Washer 10 x 19 x 1.5T	4
72	Wave Washer 21 x 27 x 0.3mm	2
73	Nylon Nut M6	1
74	Bolt M5 x 15	2
75	Bottle Holder	1
76	Compressed Spring ϕ 1.5 x 9	1
77	Plastic Sleeve	1
78	Washer ϕ 5	2
79	Spring Washer ϕ 10	1
80	Washer ϕ 12 x 17 x 0.8	5
81	Washer ϕ 20.5 x 25 x 0.5	1
82	Plastic Spacer	1

HARDWARE & TOOLS

PART NO.	DESCRIPTION	Q'TY	SKETCH	
11	Spring Knob M16 x 22	1		
25	L-Knob M10 x 20	2		
46	Washer 10 x 29 x 2T	2		
63	Carriage Bolt M8 x 55	4		
56	Washer 8 x 16 x 1.5T	4		
50	Cap Nut M8	6		
				
			Screwdriver	Open End Wrench 13mm & 15mm

EXPLODED DRAWING





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

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

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