



# MONARCH EQUESTRIAN

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## HORSE EXERCISER INSTRUCTION MANUAL

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## **1.0 - Introduction**

The Monarch Horse Exerciser has been designed to provide a long, reliable service with minimal service and maintenance needs.

Horses are however unpredictable animals and to reduce the risk of injury to horses and Users the Exerciser should be **supervised at all times by a trained member of staff.**

## **2.0 - Installation**

A Monarch Installation team will install your Monarch Horse Walker Exerciser. They will install the Exerciser on to your prepared base, which should have been constructed following the ground plans provided by Monarch Equestrian Ltd.

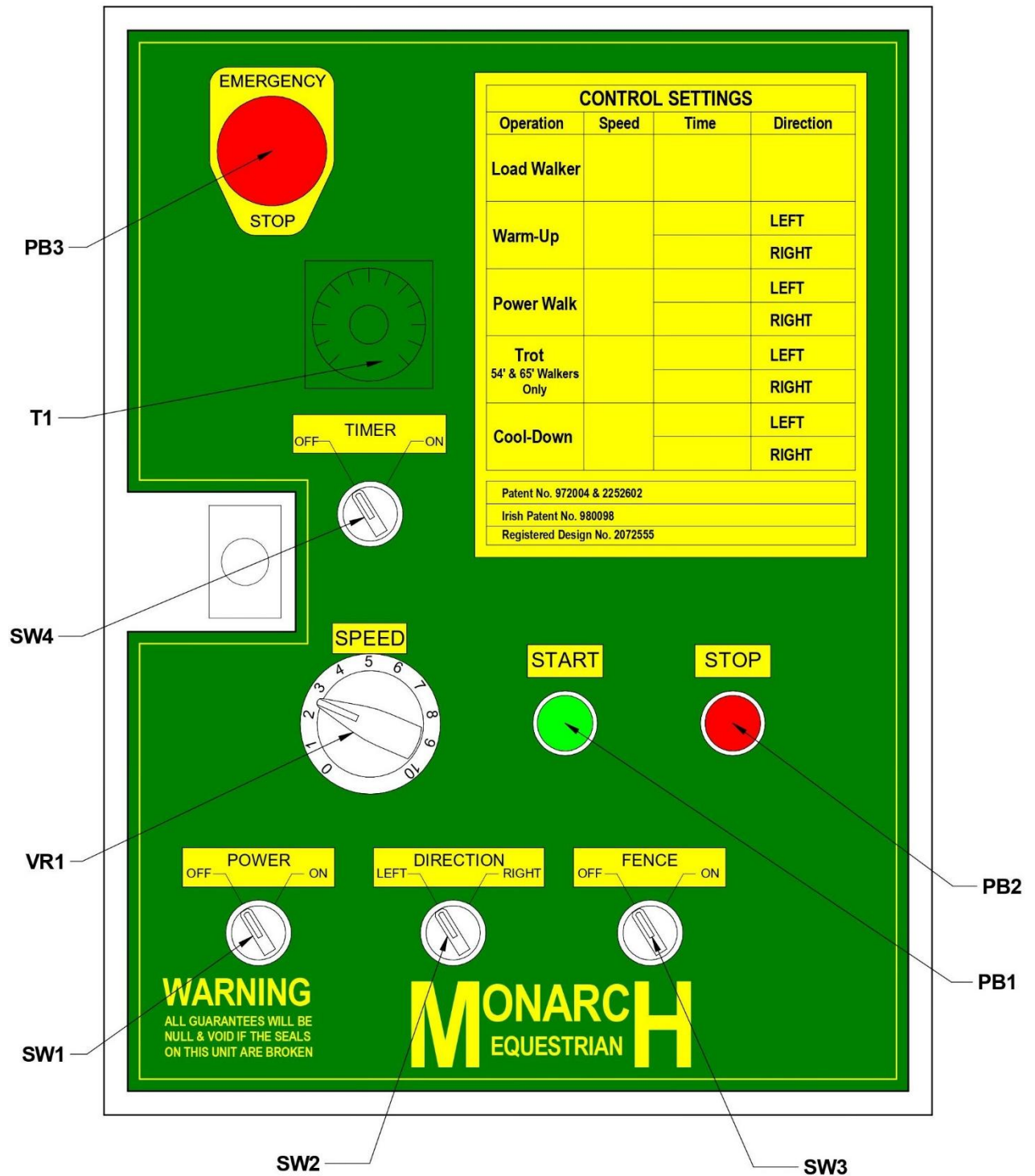
Once installed, the Horse Walker Exerciser will be tested and training provided to you on the correct method of use by the **Monarch Equestrian Trained Installation Team**. When happy using the exerciser, the Installation Team will go through all of the required paperwork for signing to confirm the training has been provided.

The Horse Walker Exerciser will be required to be hardwired to your power supply by a **QUALIFIED ELECTRICIAN BEFORE USE!!**

**N.B:** Every circuit supplying a socket outlet must be protected by a residual current device complying with the appropriate British Standard and having the characteristics specified in Regulation 412-06-02 (ii).

### 3.0 - Electronic Control Box

#### 3.1 – Understanding the Electronic Control Box



<b>SW1</b>	<b>Power Switch</b>	Controls the power supply to the control panel
<b>SW2</b>	<b>Direction Switch</b>	Selects the directional rotation of the Exerciser i.e “Left” (Clockwise) or “Right” (Anti-Clockwise)
<b>SW3</b>	<b>Fence Switch</b>	Controls the power supply to the Electric Fence Unit
<b>SW4</b>	<b>Timer Switch</b>	Activates or de-activates the Timer (IF FITTED) “OFF” = Manual Mode - “ON” = Auto Mode
<b>PB1</b>	<b>Start Button</b>	
<b>PB2</b>	<b>Stop Button</b>	
<b>PB3</b>	<b>Emergency Stop</b>	
<b>T1</b>	<b>Timer</b>	(IF FITTED)
<b>VR1</b>	<b>Speed Control</b>	Please Note: The markings on the Speed Control Dial are for reference only



**THE FENCE SWITCH CONTROLS THE ELECTRIFIED PUSHERS.  
THIS MUST REMAIN IN THE OFF POSITION AT ALL TIMES  
WHEN LOADING AND UNLOADING THE EXERCISER FOR  
YOUR OWN SAFETY.**

**THE FENCE SWITCH MUST REMAIN IN THE OFF POSITION AT  
ALL TIMES WHEN THE EXERCISER IS NOT IN USE FOR YOUR  
OWN SAFETY.**

## **3.2 – Electronic Control Box Operating Instructions**

### **3.2.1 – Manual Mode**

<b>Step 1</b>	Turn the Power Switch (SW1) to the “ON” position.
<b>Step 2</b>	Set the Timer Switch (SW4) to the “OFF” position.
<b>Step 3</b>	Set the Direction Switch (SW2) to the “LEFT” position (Clockwise rotation).
<b>Step 4</b>	Set the Speed Control (VR1) to a comfortable low pace to load horses into the exerciser.
<b>Step 5</b>	Press the Start Button (PB1). The exerciser will start to rotate in the direction set by SW2 in Step 3 above.
<b>Step 6</b>	<p>Press the Stop Button (PB2) when the Arms of the exerciser are in a suitable position to allow a horse to be loaded into the exerciser.</p> <p>Please note – When the Stop Button is pressed the exerciser will not stop immediately. Consequently, the operator will need to take into consideration the OVER-RUN factor.</p> <p>Repeat Steps 5 &amp; 6 until the required number of horses have been loaded into the exerciser.</p>
<b>Step 7</b>	Press the Start Button (PB1) and gradually increase the Speed Control (VR1) until a satisfactory exercise speed is achieved. (The operator can increase or decrease the exerciser speed as required at any time whilst the exerciser is in operation).
<b>Step 8</b>	<p><b>CHANGING DIRECTION</b></p> <p>The operator may change the rotational direction of the exerciser at any time during the exercise period by operating the controls in the following sequence.</p> <ol style="list-style-type: none"> <li>1. Press the Stop Button (PB2)</li> <li>2. Reset the Direction Switch (SW2)</li> <li>3. Press the Start Button (PB1)</li> </ol>
<b>Step 9</b>	<p><b>REMOVING HORSES FROM THE EXERCISER</b></p> <p>If the exercisers’ rotational direction is incorrect for the offloading procedure, the operator can change it by using the method described in “Step 8”. If the exercisers rotational direction is correct for the offloading procedure continue to “Step 10”.</p>
<b>Step 10</b>	Set the Speed Control (VR1) to a comfortable low pace. When the arms of the exerciser are in a suitable position (taking into consideration the ‘over-run factor’) press the Stop Button (PB2) and remove the first horse.
<b>Step 11</b>	Repeat “Step 5 & 6” until all of the horses have been removed from the exerciser.
<p><b>Please Note: The exerciser can be STOPPED at any time by pressing the Stop Button (PB2)</b></p>	



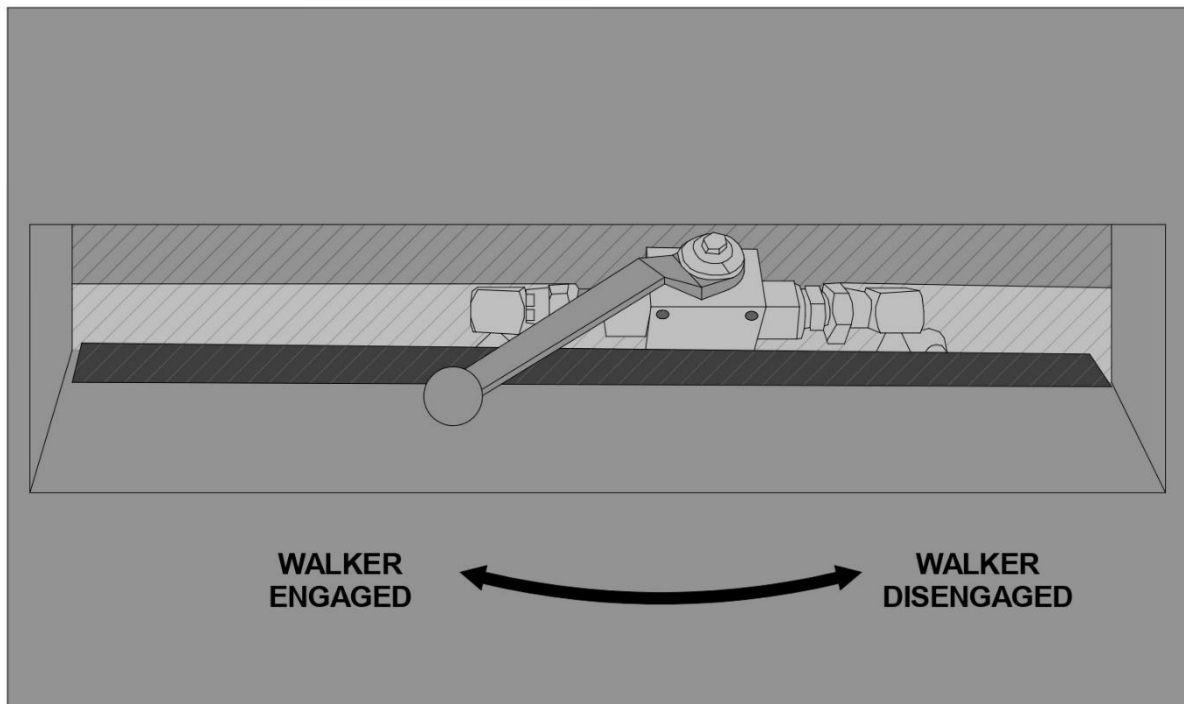
### **3.2.2 – Auto Reverse Mode**

<b>Step 1</b>	Turn the Power Switch (SW1) to the “ON” position.
<b>Step 2</b>	Set the Timer Switch (SW4) to the “OFF” position.
<b>Step 3</b>	Set the Direction Switch (SW2) to the “LEFT” position (Clockwise rotation).
<b>Step 4</b>	Set the Speed Control (VR1) to a comfortable low pace to load horses into the exerciser.
<b>Step 5</b>	Press the Start Button (PB1). The exerciser will start to rotate in the direction set by SW2 in Step 3 above.
<b>Step 6</b>	<p>Press the Stop Button (PB2) when the Arms of the exerciser are in a suitable position to allow a horse to be loaded into the exerciser.</p> <p>Please note – When the Stop Button is pressed the exerciser will not stop immediately. Consequently, the operator will need to take into consideration the OVER-RUN factor.</p> <p>Repeat Steps 5 &amp; 6 until the required number of horses have been loaded into the exerciser.</p>
<b>Step 7</b>	<p>Set the Timer (T1). The Timer has “Easy-set” dual concentric knobs; a green outer knob connected to a green pointer which controls the “LEFT” (Clockwise) direction of the exerciser, and a red inner knob connected to a red pointer which controls the “RIGHT” (Anti-clockwise) direction of the exerciser. The graduations on the Timer Face plate represent 0 to 60 minutes.</p> <p>Both pointers can be set independently for any timed period from 5 to 60 minutes <b>(DO NOT set the Timer for periods less than 5 minutes)</b>.</p>
<b>Step 8</b>	Turn the Timer Switch (SW4) to the “ON” position. The exerciser is now ready to start its timed operation.
<b>Step 9</b>	Press the Start Button (PB1) to start the exercisers timed operation. Please Note: the exerciser can be stopped at any point during its timed operation by pressing the Stop Button (PB2). This will also reset the timer to the beginning of its timed sequence however the exerciser will not restart until the Start Button (PB1) is pressed.
<b>Step 10</b>	<p><b>UNLOADING HORSES</b></p> <p>Press the Stop Button (PB2). It is necessary to press the stop button after the timed operation of the exerciser has been completed (even if the exerciser is stationary) in order to reset the controls.</p>
<b>Step 11</b>	Turn the Timer Switch (SW4) to the “OFF” position.
<b>Step 12</b>	Set the Direction Switch (SW2) to the “RIGHT” position (Anti-clockwise)
<b>Step 13</b>	To remove the horses from the exerciser, repeat steps 4, 5 & 6.
<p><b>Please Note: After both the green and red timed periods have been completed the exerciser will stop and remain stationary for a period of time equal to that set by the timer’s green period. When the time has elapsed, the exerciser (if left unattended) will become active again and will rotate (in the “RIGHT” Anti-clockwise direction) for the length of time that the timers red period is set for. The cycle of “Green Stationary” followed by “Red Rotating” will be continually repeated until the Stop Button (PB2) is pressed.</b></p>	

#### **4.0 – ABS Lever (Walker Engaged / Walker Disengaged)**

The Walker Engaged / Walker Disengaged lever controls the ABS braking system. When the lever is moved to the Walker Disengaged position the ABS will be off meaning the pushers will move freely enabling the operator to walk around the horse walker freely to ensure a clear walkway.

When operating the Walker, the ABS Lever should be moved to the Engaged position.



## **5.0 - How to use your Horse Exerciser**

### **5.1 – Emergency Stop Safety Feature**

**In the event of an emergency hit the Emergency Stop button (PB3) on the control panel to immediately cut the power to the walker. To further prevent issue / injury be aware the walker will continue to revolve until it naturally stops.**

### **5.1 - Before Loading Horses**

**\*\*\*ENSURE THE FENCE SWITCH IS IN THE OFF POSITION BEFORE LOADING THE EXERCISER FOR YOUR OWN SAFETY\*\*\***

**N.B. Ensure the gateway remains closed at all times when the Exerciser is in use.**

1. With the ABS Lever (Walker Engaged/Disengaged) in the Disengaged position, walk around the horse walker to ensure the trackway is clear of any obstruction.
2. Before loading your horses on to the Monarch Horse Walker Exerciser, you will have to ensure that it is warmed up. It will normally need approx. 2-3 minutes running time, on a very slow speed to ensure the equipment has warmed up. This may need to be increased in the very cold weather.
3. To start the Monarch Horse Walker Exerciser. Turn on the power switch on the control panel to the ON position. You should now hear the motor running.
4. Engage the direction control (**SW2**).
5. Slowly turn the speed control (speed control knob **VR1**) until the pushers are moving in a **clockwise** direction.
6. Leave the Monarch Horse Walker Exerciser to warm up.

## **5.2 - Loading Horses onto Monarch Horse Walker Exerciser**

**\*\*\*ENSURE THE FENCE SWITCH IS IN THE OFF POSITION WHILE LOADING THE EXERCISER FOR YOUR OWN SAFETY\*\*\***

### **LOADING AND UNLOADING SHOULD BE DONE WITH TWO PEOPLE PRESENT**

1. Turn the Speed control dial down until the machine is not moving in order to load the horses onto the Equipment (**Ensure safety practices are carried out at all times during this process**).
2. When introducing new horses to the Monarch Horse Walker Exerciser for the first time, if possible, choose a horse that is familiar to the Exerciser to accompany any new horse, by first loading the familiar tame horse, and then loading the new unfamiliar horse in the compartment behind. If all horses are new to the Exerciser choose the quietest and most tame to load first and only load a maximum of two unfamiliar horses at any one time. Problems are rare, but this will assist the horses to become accustomed to the Exerciser.
3. The gate will be hinged on the left as standard unless otherwise requested, so by leading the horse from the near side, you will be able to open the gate and lead the horse in while still remaining in the gate way. **Do Not** allow yourself to get between the horse and the inner fence, in case the horse kicks out as you release it.
4. Load the horse into the Monarch Horse Exerciser and close the gate. (**When loading take care not to allow the horse to exit before you close the gate!**)
5. Turn the speed control Dial (**VR1**) until the Exerciser starts to move slowly, allowing the horse to walk forward. Some horses may try and turn around before the Exerciser starts moving, the width of the track will allow them ample space and time to turn back as the pusher approaches.
6. To load the next and subsequent horses, the Exerciser should be stopped with a free compartment opposite the gate way. This can be done more accurately and easily if ABS (**assisted braking system**) is fitted. The Speed control Dial (**VR1**) should be engaged until the Exerciser stops with a free compartment in front of the gateway. This process should be repeated until the Exerciser is loaded.
7. The Speed control can then be turned until the speed increases to a suitable "warm up" speed.

After approx. 10 minutes the speed can be increased to allow the horses to really walkout (exact warm up time will depend on the horses and also the time of year). The speed will vary according to the **size and fitness of the horses**.

### **5.2.1 - Electrified Pushers (IF FITTED)**

During use you may find one or more of the horses are reluctant to move forward, even when touched by the pusher behind. If this occurs the controlled use of electrified pushers is suggested. The Electrified Pusher Unit (if fitted on your model) is operated by a switch on the unit (**SW3**) and can be used when required to train a horse to keep moving.

Some horses will also want to play with the pusher ahead of them, so by teaching them to respect the pushers in the same way they would an electric fence, the pushers should not come in contact with the horses frequently.

#### **NEVER leave the electrification on constantly**

The horses should be observed at all times to ensure user and animal welfare and safety.

**TIP:** If you are aware that a new horse may have an extreme reaction to touching the electrified pusher for the first time, it's usually sensible to introduce the horse by placing it on the Exerciser with one other horse, with one empty compartment between them. In this way its initial response to the electrified pusher will not upset other horses. It may be necessary to train particular horses on a regular basis, as other horses will learn more quickly.

### 5.3 – Unloading Horses from Exerciser

**\*\*\*ENSURE THE FENCE SWITCH IS IN THE OFF POSITION WHILE UNLOADING THE EXERCISER FOR YOUR OWN SAFETY\*\*\***

1. To unload the Exerciser, turn the Speed control (**VR1**) all the way down until the Exerciser stops. This can be more accurately done if ABS is fitted to the Monarch Horse walker model you have.
2. Once a horse is in the optimal position to be released from the Horse walker Exerciser open the gate and lead the horse out of the Exerciser. Always keep on the outside of the track way. **not allowing the horse to come between you and the gate way**. For this reason, it is important that the horses are facing in an anti-clockwise direction when they are unloaded. (The horses will need to be facing in a clockwise direction for unloading if your gate is hinged on the right-hand side, and start working in a clockwise direction.)

**TIP:** Some horses are happy to stand and wait on the Exerciser while others are unloaded. Others will become impatient, so in cases like this it may be prudent to re-start the Exerciser so it is moving slowly keeping the horse on the exerciser occupied while you are putting the other horse away. This will be easier to do if ABS is fitted to your model Exerciser.

#### **5.4 - Leaving the Exerciser after use.**

1. Once you have stopped the Exerciser to unload the last horse. Move the direction control (**SW2**) into (Neutral) the centre position and then turn the Power switch (**SW1**) to the off position.
2. Monarch advises regular cleaning of the Exerciser after each use. To do this, move the ABS Lever to the Walker Disengaged position to freely access the walker and clear the trackway.

**\*\*\*ENSURE THE FENCE SWITCH IS IN THE OFF POSITION AFTER USE FOR YOUR OWN SAFETY\*\*\***

If you experience any problems or require advice on the use of your Horse Exerciser please contact Monarch Equestrian Ltd on 01902 605566

## **6.0 - Important Information**

Check that vegetation is kept clear of all the moving parts of the Exerciser, especially in the centre as this can cause issues with the functionality of features available on the Horse Exerciser.

When the Exerciser is not in use for long periods, it is advisable to run it for half an hour once or twice a week. This will help to prevent degeneration of seals and prolong its life.

## **7.0 - Basic Maintenance**

To ensure the Exerciser runs smoothly a few basic checks can be made periodically to ensure oil levels are maintained at the correct levels. It is suggested that the Exerciser be given a full service by a Monarch engineer approx. every 12 months, dependant on the frequency of use.

### **Hydraulic Oil**

Access to the sight glass for the hydraulic oil level can be gained by removing the back of the control cabinet. To run correctly the oil level should be between 50% - 75% full.

**N.B. please don't confuse the red temperature gauge for the oil level.**

(If it appears there is no oil in the sight, check it is not in fact very full, as it is rare to have no oil at all, unless there has been a leak).

### **Bearings**

It is prudent to check the oil around the flange bearing every 3 months in the centre of the Exerciser to ensure well-oiled bearings.

### **Gearbox 220 Oil is suitable**

A plastic oil feed container is provided as a spout to channel the oil onto the bearings.

N. B: This is not a sealed system and oil should be trickled in through the bottle and then the Exerciser allowed to rotate to circulate the oil. The fill level on the bottle is the 2" maximum amount of oil that would be required.

**Note: You will never keep a consistent oil level in the blue bottle due to gravity feed. Oil may drip down the side of the pyramid. If this happens, this is expected and not a problem to the smooth running of the horse exerciser.**

Should you experience any problems, require further advise, or wish to book a service please contact Monarch on 01902 605566

**Regular service recommended – service and maintenance record are attached**



**8.0 – Trained User Log**

<b>DATE OF TRAINING</b>	<b>TRAINED USER (Print Name)</b>	<b>TRAINED USER (Signed)</b>	<b>MONARCH TRAINING PROVIDED BY</b>

## **9.0 - Guarantee**

**The Horse Exerciser is guaranteed for 5 Years from the date of installation as long as a consistent service history is maintained. This covers failure of parts and faulty workmanship but does not cover damage caused by horses or wear and tear.**

We advise the Horse Exerciser is serviced by a Monarch engineer every 12 months.

**MONARCH EQUESTRIAN: 01902 605566**

### **Monarch Horse Walker Exerciser Model Details**

<b>Serial No:</b>	
<b>Date Installed:</b>	

**10.0 - Horse Walker Service Record**

DATE Of SERVICE	FAULTS / DEFECTS	ACTION COMPLETED	MONARCH SERVICE PROVIDED BY	NEXT SERVICE DUE