MANUAL RT2





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ImportantRead the manual carefully before using the cycle and save it for future use.

Monark Exercise AB

Monark has 100 years' experience of bicycle production. The Monark tradition has yielded know-how, experience, and a real feel for the product and quality. Since the early 1900s, Monark bikes have been living proof of precision, reliability, strength and service. Those are the reasons why we now are the world leader in ergometer bikes and the market leader in Scandinavia in transport bikes.

We manufacture, develop and market ergometers and exercise bikes, transport bikes and specialized bikes. Our largest customer groups are within health care, sports medicine, public authorities, industry and postal services.

For more information: http://www.monarkexercise.se



Thank you for choosing a test cycle from Monark!

Ideal position is important for a performance to reach its maximum and increases the potential for a perfect performance. The new setting options, along with an upgraded workload adjustment, make Monark's renowned bike even better.

- RT2 is equipped with a newly developed manual workload control, the workload is controlled by a lever located on the handlebar
- RT2 can be calibrated, both mechanically and electronically
- RT2 has built-in pulse receiver in the display and can be used with a separate chest belt which is available as an accessory



NOTE!

Use of the product may involve considerable physical stress. It is therefore recommended that people who are not accustomed to cardiovascular exercise or who do not feel completely healthy, should consult a physician for advice.

Product Information

Facts

NOTE! Before you start using the recumbent remember to remove any transport protection and protective tape on the flywheel.

Technical details

Length 1900 mm

Width 680 mm)

Height (max at display) 1065 mm

Height (max at display) 1000 mm

Weight 87 kg

Weight flywheel 20 kg

Max user weight 250 kg

Painting Industrial powder coating
Rust protection Basic powder coating on

exposed areas

Power output

Continuous (50-100 rpm) 4-700 W

Peak (at rpm) 1400 W (200 rpm)

Smallest increment 1 W

Recommended accessories

• Calibration weight, 2 and 4 kg

• Chest belt

Power adaptor

Technical data power adaptor (accessory)

Output voltage: +9 V DC

Current: 500 mA

Polarity: Minus (-) in the middle of connector. See *Fig*:

Polarity.

(Art. No. 9384-650, USA Art. No. 9384-62)

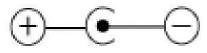


Fig: Polarity

Serial number

The serial number is located on machine plate (5) according to *Fig: Overview*.

Initial operation

RT2 is mechanically calibrated in the factory. The user may still want to check this. For the procedure, see section "Calibration".

If you use power adaptor (optional): First, connect the power adaptor to the power connector on the right side of the recumbent, see *Fig: Overview*. Then plug the power adaptor into the wall outlet.

Perform the electrical calibration as specified in section "Calibration". Test by pedalling the recumbent. If the recumbent works properly, it is ready for use.

Monark Exercise AB recommends that you check the mechanical calibration once a year to ensure the cycle's accuracy.

Power on crank or flywheel

Monark bikes measure the effect of the flywheel, so it will be a friction of 6-8% if you measure the impact of the pedals (measure the effect of the crankshaft, the difference is 4-5 %). These percentages will be primarily due to friction in the chain, pedals and bearings.

RT2 is set to measure the workload at the flywheel. The bike can be set to work with effect in the pedals / crankshaft (the cycle constant).

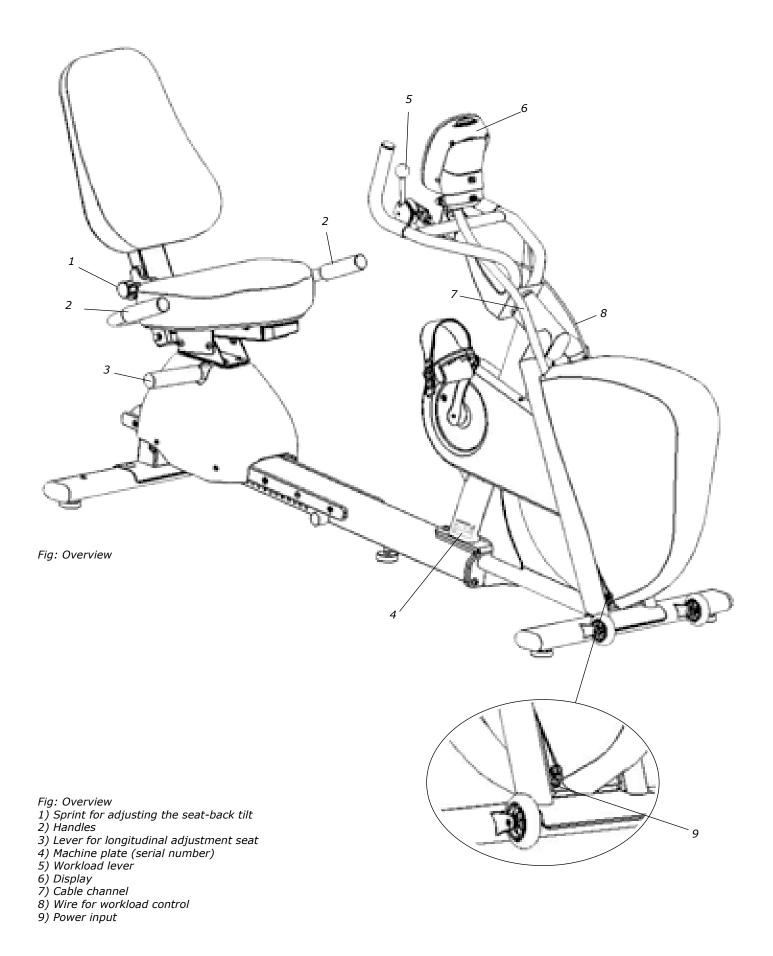
Calories

There have been different theories on how to calculate this, since it depends on several factors and this means that it can only be seen as an estimate.

As a standard calculation, when we display calories on our calibrated bikes, we use: 1 minute with 100W gives 7 kcal. It is easy to convert watts to calories if it was on the flywheel, the formula is $1W=0,2388\times10^{-3}$ kcal/s with four decimals. But when you normally show calories you want to show the total amount of calories your body has used during your training, not only the calories "burnt" on the flywheel.

We have chosen the formula given above that we think complies with the results given for a standard cycle position.

Overview



Bike adjustments

Adjustments of the recumbent

Crank Steel, 52T, 170 mm standard,

172.5 mm optional

Pedals 9/16" with foot straps

Seat Recumbent seat

Handlebar Not adjustable recumbent

handlebar

Distance seat - handlebar 80-470 mm

Recumbent adjustments

When you ride on the recumbent you should adjust the distance to the pedals so that you get a comfortable seating position. You can adjust the seat longitudinally by lifting the lever on the right side and push the seat forward / backward. Once you find the correct position, release the lever and make sure it locks (a click is heard).

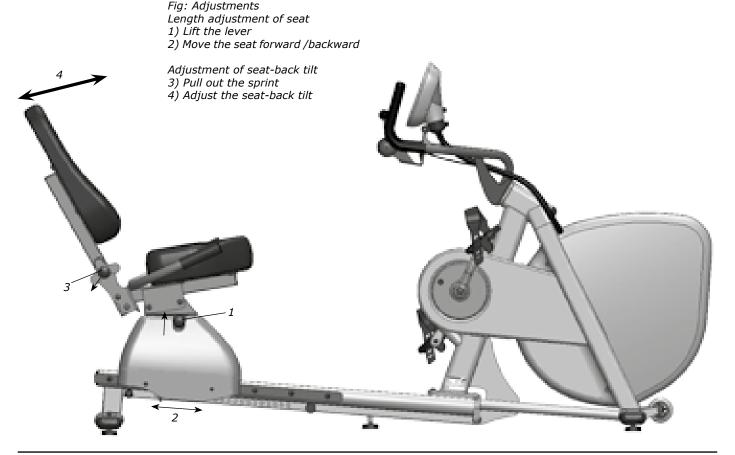
To change the seat-back tilt, pull out the sprint to the right and help with the other hand to change the tilt. Once you find the correct position, release the lever and make sure it locks (a click is heard). See *Fig: Adjustments*.

Daily check

The following procedure ensures that the recumbent works for daily use.

- Check the HR function if you use chest belt, see section, on 'Heart rate'.
- Check the braking force by putting on a certain workload and check that the load is applied.
- Test by pedalling and check that a reasonable rpm is obtained verify by a clock. Feel if the pedals move smoothly. Listen for unusual sounds. Adjust if necessary.
- Adjust the seat and make sure it is securely attached and that the adjustment is working properly.
- Make sure the support legs are in position by rocking the bike. Tighten if necessary.

If something unusual is found during the daily inspection that you cannot resolve, please call customer service.



Pulse function

The user's heart rate can be measured with pulse sensors in the handles of the seat (some models) or with chest belt that detects your pulse from the heart.

Heart rate monitoring requires that the chest belt is correctly placed. Make sure that your skin is clean where the chest belt should be placed. When it is correctly fitted the logo on the belt will be central and readable, outward and upright, by another person. The chest belt should be secured at a comfortable tension around the mid section, just below the breast muscle, see *Fig: Placement chest belt*. Moisten the electrodes before use, see *Fig: Electrodes on the back of the chest belt*.

NOTE! Electromagnetic waves can interfere with the telemetry system. Cellular phones are not allowed to be used near the bike during test.

Pulse standard (chest belts)

The following pulse standard / chest belts can be used:

- Standard, uncoded 5K chest belts (5-5.6 kHz)
- Chest belts with ANT+

Short range ANT+: 0.6-0.8 m Long range ANT+: 4-5 m

Range 5K: 0.8 m (31 ½")

Pairing display and chest belt

Normally the display connects to the first ANT+ chest belt in "short range" and shows the heart rate until the chest belt is outside the "long range". If there is no ANT+ chest belt but a 5K chest belt in "short range", the heart rate from the 5K chest belt is displayed until the signal is lost.

ANT+ is prioritized and the first choice of the display. 5K is discriminated, but after 30 seconds with only 5K the display is locked to this chest belt as long as you do not lose the signal.

Monark Exercise AB recommend that you use an ANT+ chest belt for best function.

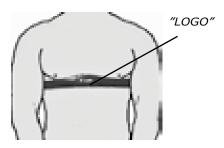


Fig: Placement chest belt



Fig: Electrodes on the back of the chest belt (1)

Display Description

Display	
Pedal revolution (RPM)	pedal revolutions / min
HR	bpm
TIME	min:sec
Workload (WATT alt. kpm/min)	Watt
Speed	km/h
Distance	km
Calories (KCAL)	kcal
% Max HR	%

Batteries: 4 x 1.5 V, R14 Storing temperature: -10° C - +60° C 0° C - +50° C Operating temperature:

NOTE! Rechargeable batteries cannot be used! If you use power adapter, you may not have batteries in the display!

The meter has the following functions:

- Settings for different units of measurement
- It is possible to calibrate the meter to get the correct workload
- Personal data such as age, max pulse, weight and gender can be set
- USB port for continuous output of data to an external computer
- The meter also shows current pulse as percentage of max. HR
- The workload is rpm independent

Connecting to PC

You can connect a PC to the display. This is done via the USB connector (8) in Fig: Display. The display will show "PC" and the current RPM. Although HR is displayed if you use chest belt. In the PC software your values are logged, but you cannot change workload, it is change by the workload lever.

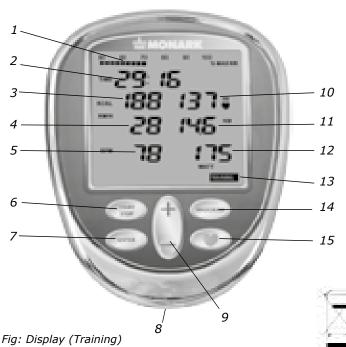
An appropriate software is available to download from our website: www.monarkexercise.se.

Sleep mode

Sleep mode is activated after 10 minutes if you do not press any button or if no rpm is recorded. This is to save battery power.

All settings are saved, but the personal settings are erased (to protect your personal privacy).

The meter wakes up when you press any button or if rpm is recorded. The meter goes directly to 'Quick start' (see separate section).



- 1) % of max HR
- 2) Time 3) Kcal (estimated value)
- 4) Speed km/h
- 5) Pedal revolutions (rpm)
- 6) START STOP
- 7) ENTER 8) USB port
- 9) (+/-) button
- 10) Heart rate (HR) 11) Distance (km)
- 12) Workload (Watt)
- 13) Program
- 14) PROGRAM
- 15) HEART button

Battery symbol

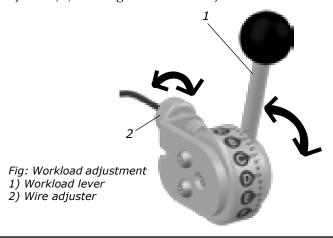
At a battery voltage of 4.5 V the battery symbol in the display lights up. Then the batteries last for about one week of use.

At a battery voltage of 4.0 V, the battery symbol starts to flash in the display and a short beep sounds once a minute. Then the batteries last for about one day of use.

Workload adjustment

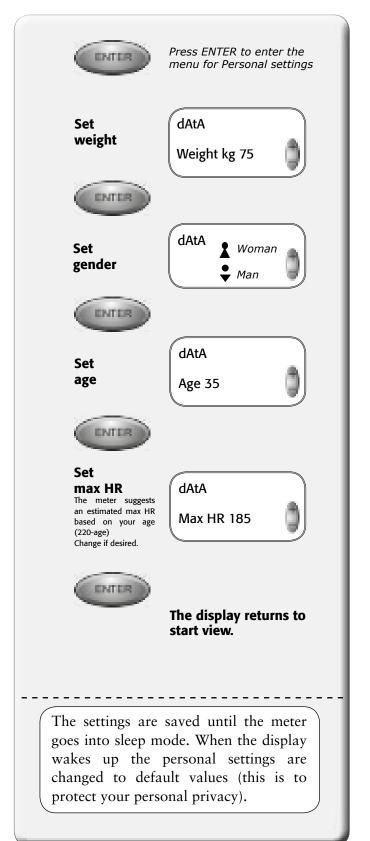
The workload is adjusted by using the control lever (1) located on the handlebars. From A which is a light workload to F which is a heavy workload.

Fine adjustment of the workload is done by the cable adjuster (2). See Fig: Workload adjustment.



Personal settings

Usually you are asked to set the personal data needed when you start a program or a test. This data can also be set before, during e.g. "Warm up" in Training program with this function.



Alternative power / force display

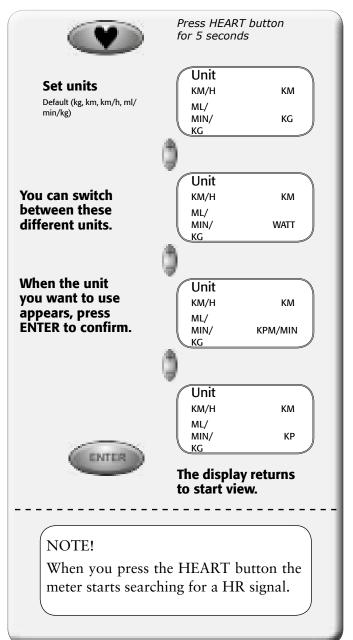
The meter displays power in watts (default). If you want to display the power in kpm / min instead, press the HEART button for 5 seconds. Then you can switch between WATT, KPM / MIN and current kp-value using the (+/-) button. Press ENTER or wait 10 seconds to confirm and exit the setting.

NOTE!

Even if you select kp as unit it is the power in watts as the value is calculated on.

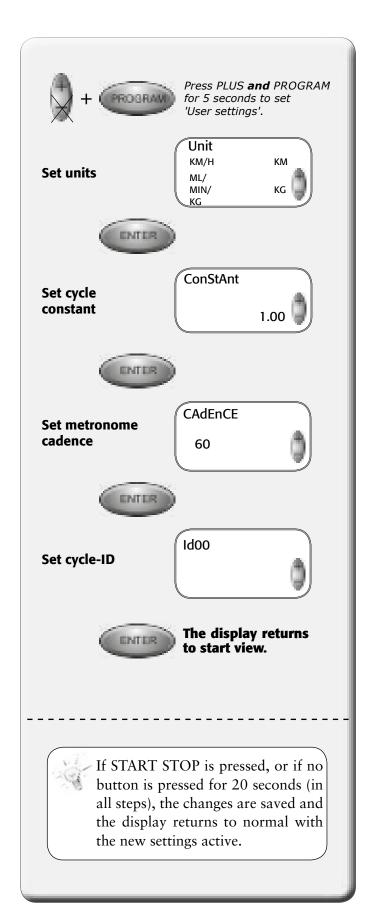
The displayed kpm / min is a simplified calculation (1 kp = 10 N) according to Astrand's tables.

(Although the displayed kp value is correct and not rounded as above. For all calculations in the display the exact value is used, 1 kp = 9.80665 N)



User settings

Here you can make individual adjustments to optimize the bike for your needs on first use and when needed.



Units

Kg, km, km / h, ml / min / kg are default. You can switch between the different unit combinations with (+/-) button.

- Kg, km, km / h, ml / min / kg (default)
- Kg, km, km / h, METS
- Lbs, miles, miles / h, ml / min / kg
- Lbs, miles, miles / h, METS

Cycle constant

The cycle constant is as default set to 1.00. Change using the (+/-) button.

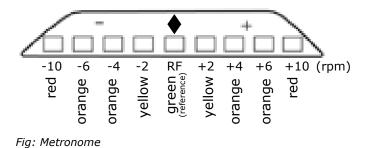
When the cycle constant is set to 1.00 the power is measured at the flywheel. This is used in Astrand test, YMCA etc.

When the cycle constant is set to 1.05 the power is measured at the crank. This is often used on electronically-braked bikes.

Metronome cadence

Metronome diodes show pedalling revolutions (rpm) relative to the set reference value. The metronome is located at the back of the meter. The default value is 60 and can be adjusted with (+/-) button. The green LED in the middle flashes twice for each pedal revolution which helps to keep the right pedal cadence, see *Fig: Display* and *Fig: Metronome*.

The meter can be rotated so that the rider does not see the values in the display, but only sees the flashing diodes (in order to keep the right pedal cadence).



BikeID

This ID is a parameter that the PC software can ask for. It is used to identify or number bikes when multiple bikes are controlled by same PC or similar.

Calibration

Current potentiometer value



Next calibration point

For best flexibility we recommend a potentiometer value between 40 and 60 at 0 kp.

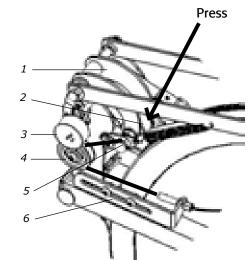
Error message:

Fig: Workload unit

1) Pressure arm 2) Pressure roller 3) Potentiometer

4) Pulley5) Wire lock6) Wire adjuster

CalErr - if the value is outside the window.



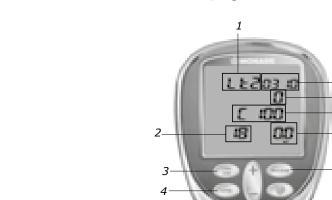


Fig: Display 'Calibration mode'

- 1) Bike model
- 2) Current potentiometer value
- 3) START STOP button
- 4) ENTER button
- 5) Software version
- 6) Hours of use
- 7) Cycle constant
- 8) Calibration point
- 9) PROGRAM button

Monark Exercise AB recommends that you check the mechanical calibration once a year to ensure the cycle's accuracy.

NOTE!

Calibration can only be done from the display!

To perform the calibration, you must have a 2 kg and a 4 kg calibration weight. These are available as accessories.

- Set the workload lever to minimum load
- · Remove the cover over the flywheel
- Press the pressure roller and remove the wire from the black pulley (below the potentiometer) so that the pressure arm goes up completely and loosen the brake belt, see Fig: Workload unit.



Press START STOP **and** PROGRAM for 2 seconds to enter calibration mode.

Check the potentiometer value at 0 kp. It requires not be the same as shown in the picture, as it only shall be seen as an example.

Rt2 03 39 0 C 100 52 0.0 KP

ENTER

Hang a 2 kg calibration weight in the spring hook.

Rt2 03 39 0 C 100 93 (2.0

Hang a 4 kg calibration weight in the spring hook.

Rt2 03 39 0 C 100 135 (4.0)

ENTER

DATES

Hang a 6 kg (or 2 + 4 kg) calibration weight in the spring hook.

Rt2 03 39 0 C 100 174 6.0 KP

Two short beeps are heard and the calibration is finished.

Lift off the weights, reassemble the wire and put on the cover.

The bike is ready to use.

If you have started the calibration mode but change your mind, you can press the START STOP button to exit without saving. (However, if you press ENTER the calibration process has begun and must also be completed.)

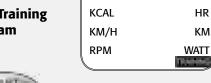
Training



Personal data can be set for estimated HR (default HR is 185). See "Personal settings".



Start Training program

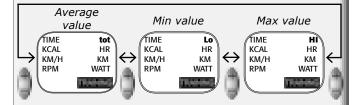


TIME



Stop Training program

To end the Training program, press START STOP and the results are displayed on three pages.





Interval training

You can do interval training by moving the workload control lever between two different modes, e.g. B and E.



Press ENTER (for 5 seconds during the test) and a new test is started with the same settings.



Press START STOP (for 5 seconds during the test) and the test is reset.



OUICK START

'Quick start' can be used as a separate program. (If START STOP is pressed, the TRAINING program is activated.)

The program is active and starts with base power, adjust with the control lever. No time is counted so the test person can warm up, use it as a 'quick start' or train without logging any values.

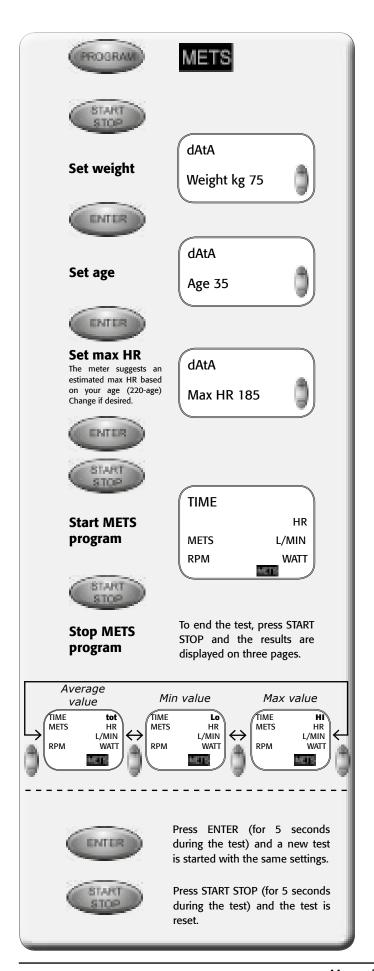
TRAINING

Press START STOP in 'Quick Start' and the display begins to show, count and log values. Press START STOP again and the test is completed and the results are displayed on three pages in the display and you can switch between the pages by pressing (+/-)-button.

Workload adjustment

The workload is adjusted by using the control lever (1) located on the handlebars. From A which is a light workload to F which is a heavy workload.

METS





During the test METS and I/min are continuously counted and displayed.

Calculation

METS values are displayed and calculated from the current workload. The two VO₂ values displayed during the test continuously calculate the average value for 5 seconds.

The formula used (values from ASTRAND original table) to calculate VO_2 at different workloads is: 0.2333 ... 1 / kpm = 0.01428 L / W (2.8 1 / min at 1200 kpm)

This is according to Astrand's table between 150 W and 300 W, and a good approximation for 15-700 W and a cadence of about 50-65 rpm.

References / Literature:

- Astrand P-O, "Ergometri konditionsprov", Monark, Sverige
- Åstrand I, "Aerobic work capacity in men and women with special reference to age", Acta Physiol Scand. 49 (suppl. 169), 1960
- Astrand P-O, "Experimental studies of physical working capacity in relation to sex and age", Munksgaard, Köpenhamn, 1952.
- Astrand P-O, Rodahl K, "Textbook of Work Physiology", McGraw-Hill, New York, 1970.

Troubleshooting guide

Display does not light up	No batteries in the meter				
Bisplay does not light up	No current in the outlet (if power adaptor is used). Check the fuses.				
	Check cables and connections.				
	Correct power adaptor? Check that the transformer information (voltage, current, polarity, AC / DC) in section "Facts" complies with the transformer which is used.				
No workload • Check calibration.					
	Check that brake belt is hooked in the spring.				
No heart rate displayed	 Check that the battery is alright in the chest belt, moisten your thumbs and click on the electrodes, a low clicking sound will be heard at the battery cover, alternatively that the heart rate is displayed in the computer software. Make sure the belt fits correctly on the test person, see Fig: Placement 				
	of chest belt in section "Heart Rate", and that the strap is sufficiently tightened. Moisten the electrodes, in severe cases it may be necessary to use gel alternative, one drop of dish washing liquid mixed in water. Pulse signal strength varies from person to person. Try the belt with a person known to have a good pulse wearing a chest belt.				
	Make sure there are no loose cables. Use another HR receiver (HR watch or test bike monitor) to check the chest belt.				
Irregular heart rate	• Use an external unit, for example a HR watch, to check if it also indicates an irregular pulse. If this is the case, there is probably disturbance in the room. The disturbance may be electronic fields from power cables, elevators, lamps etc. or other electronic devices which are too close (e.g. cell phones). Move the bike to a different location in the room or change rooms. If an irregular HR remains it should be checked manually. If the HR remains irregular at work the person's health should be examined.				
No rpm reading	Check cable.				
Unable to calibrate force	The potentiometer shaft is not attached to the pendulum shaft, tighten the screw.				
	The potentiometer is misadjusted.				
There is a click noise when pedalling					
(increases with the weight)	The crank is loose. Check, tighten.				
	The base bearing is loose. Contact your dealer for service.				
Scratching sound is heard when pedalling	Check that the carriage block is taken off and that nothing is against the crank, chain, or wheel except the brake belt.				
There's a click noise and a squeak noise when pedalling	Loosen the chain.				

Service

Note that the text about service and maintenance is universal and that all parts may not be relevant to your bike.

NOTE!

Make sure the voltage indicated on the appliance corresponds to the local mains voltage before making connections.

Warranty

EU countries - Private use

If you are a consumer living in the EU you will have a minimum level of protection against defects in accordance with EC Directive 1999/44/EC. In short, the directive states that your Monark dealer will be liable for any defects, which existed at the time of delivery. In case of defects, you will be entitled to have the defect remedied within a reasonable time, free of charge, by repair or replacement.

EU countries - Professional use

Monark Exercise products and parts are guaranteed against defects in materials and workmanship for a period of one year from the initial date of purchase of the unit. In the event of a defect in material or workmanship during that period, Monark Exercise will repair or replace the product. Monark Exercise will not, however, refund costs for labour or shipping.

Other countries

Monark Exercise products and parts are guaranteed against defects in materials and workmanship for a period of one year from the initial date of purchase of the unit. In the event of a defect in material or workmanship during that period above, Monark Exercise will repair or replace (at its option) the product. Monark Exercise will not, however, refund costs for labour or shipping.

Service check and Maintenance

It is important to carry out a regular service on your ergometer, to ensure it is kept in good condition.

Always keep the bike clean and well lubricated.

Service action:

- We recommend isopropyl alcohol to disinfect the surface of the bike. Use a damp, but not wet cloth to clean the surface you wish to disinfect.
- Surface treatment with a rust inhibitor, especially when the bike is clean and the surfaces are dry This is done to protect the chrome and zinc parts as well as the painted parts (4 times per year).
- Check now and then that both pedals are firmly tightened. If not the threading in the pedal arms will be damaged. When the ergometer is new it is important to tighten the pedals after 5 hours of pedalling (check this 4 times per year).
- Check that the pedal crank is secure to the crank axle (4 times per year).
- Be sure that the pedals are moving smoothly, and that the pedal axle is clear of dirt and fibres (4 times per year).
- When cleaning and lubricating be sure to check that all screws and nuts are properly tightened (twice a year).
- Check that the chain is snug and there is no play in the pedal crank (twice a year).
- Check that pedals, chain and freewheel sprocket are lubricated (twice a year).
- Be sure that the brake belt does not show significant signs of wear (twice a year).
- Check that the handlebars and seat adjustment screws are lubricated (2 times per year).
- Be sure that all moving parts, crank and flywheel are working normally and that no abnormal play or sound exists. Play in bearings causes fast wearing and with that follows a highly reduced lifetime.
- Check that the flywheel is placed in the center and with plane rotation.
- Grind the brake belt contact surface, see section "Brake belt contact surface" (once a year).

Batteries

If the display is battery-operated, the batteries are in a separate package at delivery. If the storing time has been long the battery power can be too low to make the computer act correctly. Batteries must then be changed.

Flywheel bearing

The flywheel bearing is long-term greased and requires no supplementary lubrication. If a problem arises, please contact your Monark dealer.

Crank bearing

The crank bearing is greased and normally requires no supplementary lubrication. If a problem arises, please contact your Monark dealer.

Transportation

During transport the brake cord should be tightened to prevent it from falling off the flywheel.

Replacement of brake belt

To replace the brake belt remove covers if necessary. Make sure that the belt is loose.

Pendulum bike with engine:

To loosen the brake belt on pendulum bikes with engine, connect power to the unit and raise the pendulum to 4 kp. Hold it there until brake belt is loose. Please note how the belt is assembled. Remove it from the bike. Attach the new brake belt and assemble the bike in reverse order.

Weight basket bike:

To loosen the brake cord on cycles with a weight basket set the basket to its upper position. Loosen the lock washer that is holding the cord and remove it from the tension center. Loosen or cut off the knot on the other end of the cord and then remove the whole cord from the bike. When assembling a new brake cord, first enter one end into the hole in the tension center, and tie a knot and let the knot fall into the bigger part of the hole. Lock the end of the cord with the lock washer.

Manual pendulum bike / exercise bike:

To loosen the brake belt on the bike remove all tension. Please note how the belt is assembled. Remove it from the bike. Attach the new brake belt and assemble the bike in reverse order.

NOTE!

When replacing the brake belt it is recommended to clean the brake surface. See "Brake belt contact surface".

Brake belt contact surface

Deposits of dirt on the brake belt and on the contact surface may cause the unit to operate unevenly and will also wear down the brake belt. The contact surface of the flywheel should be smoothed with fine sandpaper and any dust removed with a clean dry cloth.

Remove any potential covers and all workload on the brake belt and then remove it. Grind with a fine sand paper. Grinding is easier to perform if a second individual cautiously and carefully pedals the cycle.

Irregularities on the brake belt contact surface are removed by means of a fine sand paper or an abrasive cloth. Otherwise unnecessary wear on the brake belt may occur and the unit can become noisy.

Always keep the brake belt contact surface clean and dry. No lubricant should be used. We recommend replacing the brake belt when cleaning the contact surface. In regard to assembly and adjustment of the brake belt, see "Replacement of brake belt".

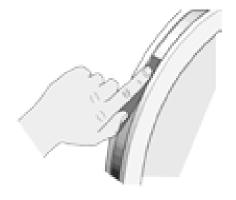


Fig: Brake belt contact surface

Chain 1/2" x 1/8"

Check the lubrication and tension of the chain at regular intervals. In the middle of its free length the chain should have a minimum play (3) of 10 mm (1/4 inch). See *Fig: Chain adjustments*. When the play in the chain is about 20 mm (3/4 inch) the chain must be tightened. Otherwise it will cause abnormal wear of the chain and sprockets. Therefore it is always recommended to keep the chain play as small as possible. Loosen the hub nut (2) on both sides and tense the chain with the chain adjuster (1) when needed.

When the chain has become so long that it can no longer be tightened with the chain adjusters it is worn out and should be replaced with a new one.

To adjust or replace the chain, remove covers if required.

To adjust the chain the hub nuts (2) should be loosened. Loosening or tightening the nuts on the chain adjusters (1) will then move the hub and axle forward or backward. Then tighten the nuts on the hub axle again. See *Fig: Chain adjustments*.

To replace the chain, loosen the chain adjusters as much as possible. Dismantle the chain lock (6) and remove the chain. Use pliers to both release the lock washer and mount it again (4). Put on a new chain and assemble the chain lock. The spring of the chain lock should be assembled with the closed end in the movement direction (5) of the chain. See *Fig: Chain replacement*.

NOTE!

At assembly the flywheel has to be parallel with the centerline of the frame. Otherwise the chain and sprockets make a lot of noise and wear out rapidly. kuggtoppar.

Then assemble the removed parts as above but in reverse order.

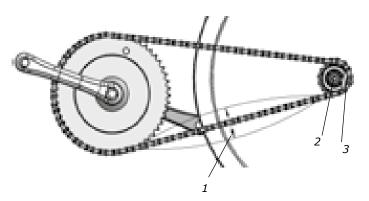


Fig: Chain adjustments
1) Chain adjuster
2) Axle nut
3) Chain play

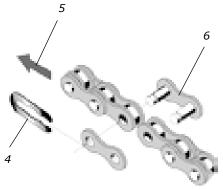


Fig: Chain replacement 4) Lock spring 5) Movement direction 6) Chain lock

Freewheel sprocket

When replacing the freewheel sprocket remove frame covers if necessary. Remove the chain according to section "Chain 1/2" x 1/8"".

Loosen the axle nuts and lift off the flywheel. Remove the axle nut, washer, chain adjuster and spacer on the freewheel side. Replace sprocket-adaptor and assemble the new parts in reverse order according to the above.

NOTE!

Do not tighten the axle nut completely. It must be possible to loosen the adaptor-sprocket half a turn.

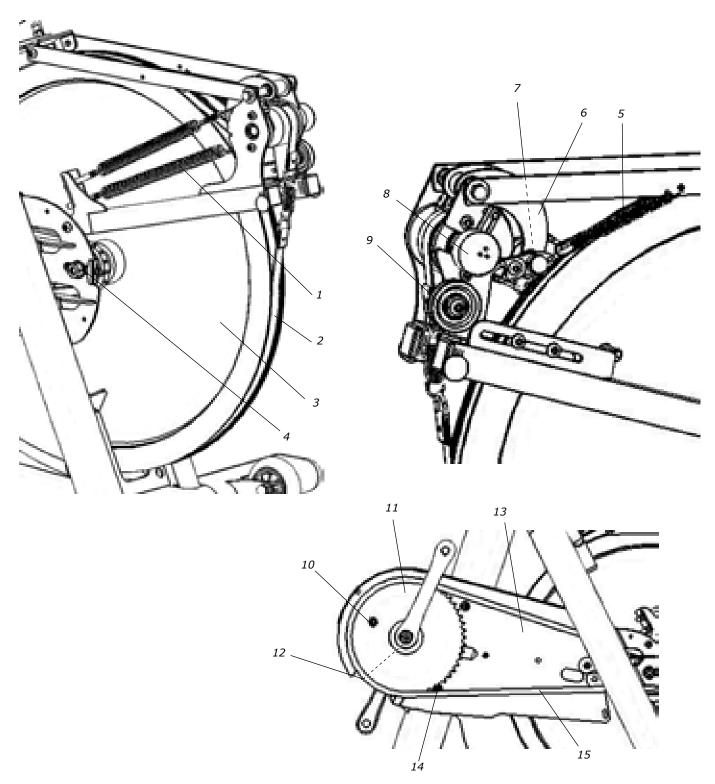
The sprocket should be lubricated with a few drops of oil once a year. Tilt the cycle to make it easier for the oil to reach the bearing. See *Fig: Lubrication*.



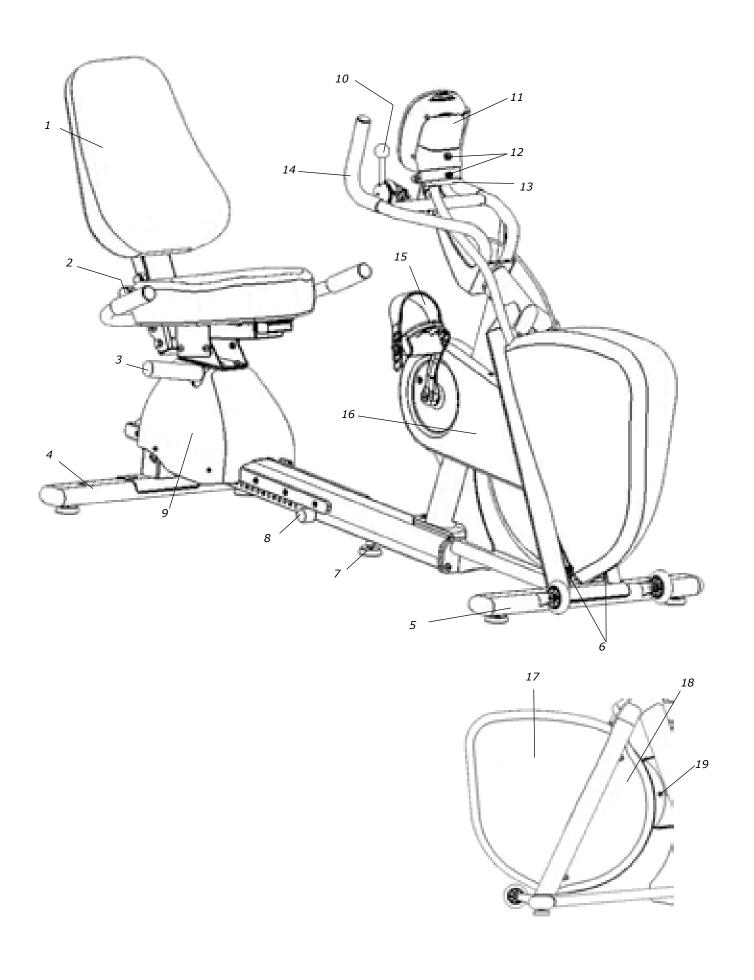


Fig: Lubrication

Spare parts list



Pos.	Qty.	Art. No.	Description	Pos.	Qty.	Art. No.	Description
1	2	9125-86	Spring	9	1	9384-27	Pulley
2	1	9311-73	Brake belt T-models, complete	10	1	9326-164	Magnet
3	1	9300-3	Flywheel, complete	11	1	9300-430	Crank steel, 52T, 170 mm standard
4	1	9300-24	-Wheel suspension complete set	12	1	9300-340	Cartridge bottom bracket 68/122 mm
5	1	9100-20	Spring for press arm	13	1	9311-6	Chain guard
6	1	9311-59	Press arm	14	1	9311-161	Sensor with cable
7	1	9328-43	Tension lever	15	1	9300-104	Chain 9300, 104 L, with chain lock
8	1	9311-67	Potentiometer				



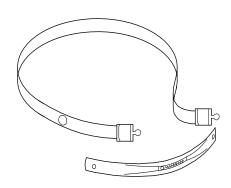


Fig: Chest belt with pulse transmitter (accessory)



Fig: Power adaptor SE (accessory)

Pos.	Qty.	Art. No.	Description	Pos.	Qty.	Art. No.	Description
1	1	9329-3	Seat for recumbent, complete	12	1	9311-167	Display RT2
2	1	9308-133	-Locking knob	13	2	9000-104	Pole screw M5x12, black
3	1	9326-97	Lever for length adjustment	14	1	9326-804	End cap with hole, black
4	1	9301-145	Support tube rear, complete	15	1	9311-86	Handlebar for recumbent, complete
5	2	9309-51	-Plastic cap	16	1	74435-1	Pedals for recumbent, pair
	2	9328-26	-Rubber foot with screw M8	17	1	9311-36	Side cover rear, right
6	1	9301-155	Support tube front, complete	18	1	9311-610	Front cover RT
	2	9309-51	-Plastic cap	19	1	9311-37	Side cover rear, left
	2	9328-26	-Rubber foot with screw M8	20	1	9000-103	-Pole screw M5x12, white
	2	9328-37	-Transport wheel, complete		1	9384-650	Power adaptor SE (accessory)
7	2	9000-103	Pole screw M5x12, white		1	9384-62	Power adaptor other countries (accessory)
8	1	9328-26	Rubber foot with screw M8		1	9311-75	Chest belt (accessory)
9	1	9311-142	Stop		1	9000-211	Calibration weight 4 kg (accessory)
10	1	9327-84	Cover		1	9000-212	Calibration weight 2 kg (accessory)
11	1	9311-8	Workload control unit, T-model, complete				
	1	9311-44	-Wire adjustment				
	1	9311-45	-Rubber ball 32/M8, black				



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Version 1704 Art. No.: 7950-381