

KETTLER

Assembly and Operating Instructions



max. 110 kg



~ 45 Min. 



 52 kg

L 115 | B 62 | H 160

FSKCT1021100.01.01

Art. No. K-CT1021-100

KETTLER OPTIMA 100

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Dear customer,

Thank you for choosing a Kettler fitness device. Kettler Sport represents tradition, durability, and quality like no other home fitness brand. Classic home trainers such as the Golf have accompanied users for decades. At the same time, Kettler stands for innovation and continuously develops thoughtful solutions, particularly in usability and training comfort.

Kettler Sport provides everything you need for successful training at home: cardio and strength equipment, as well as a wide range of fitness accessories.

Further information can be found at www.fitshop.com/kettler.

Intended Use

The equipment may only be used for its intended purpose.

The equipment is only suitable for home use. The equipment is not suitable for semi-professional (e.g. hospitals, associations, hotels, schools, etc.) and commercial or professional use (e.g. fitness studios).

Legal Notice

Fitshop GmbH
Europe's No. 1 for home fitness

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Disclaimer

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Product and manual are subject to change. Technical data can be changed without advance notice.

FITSHOP

Europe's No.1 for Home Fitness

ABOUT THIS MANUAL

Please carefully read the entire manual before installation and first use. The manual will help you to quickly set up the system and explains how to safely use it. Make sure that all persons exercising with the equipment (especially children and persons with physical, sensory, mental or motor disabilities) are informed about this manual and its contents in advance. In case of doubt, responsible persons must supervise the use of the equipment.

Due to ongoing changes and software optimisations, the manual may have to be updated. If you notice any discrepancies during assembly or use, please refer to the manual uploaded to the webshop. The latest manual is always available there.



This equipment has been manufactured according to the latest safety knowledge. As far as possible, potential safety hazards which could cause injury have been eliminated. Make sure to carefully follow the instructions and that all parts are securely in place. If required, read through the instructions again to correct any mistakes.

Training devices must be classified according to accuracy and use. Accuracy classes are only applicable to devices that display training data.

Accuracy classes

Class A: high accuracy.

Class B: medium accuracy.

Class C: low accuracy.

The use classes explain the intended use of the training device.

Use classes

Class S (studio): professional and/or commercial use.

These training devices are intended for the use in training rooms of facilities such as sports clubs, school facilities, hotels, clubs and studios whose access and supervision is specifically regulated by the owner (person with legal responsibility).

Class H (home use): use at home.

These stationary training devices are intended for the use in private homes where access to the training device is regulated by the owner (person with legal responsibility).

Please pay close attention to the safety and maintenance instructions given here. The contract partner cannot be held liable for damage to health, accidents or damage to the equipment when it is not used in accordance with these instructions.

The following safety instructions may appear in this manual:

► **ATTENTION**

This notice indicates potentially hazardous situations which, if not avoided, may result in property damage.

⚠ **CAUTION**

This notice indicates potentially hazardous situations which, if not avoided, may result in slight or minor injuries!

⚠ **WARNING**

This notice indicates potentially hazardous situations which, if not avoided, may result in death or serious injuries!

⚠ **DANGER**

This notice indicates potentially hazardous situations which, if not avoided, will result in death or serious injuries!

ⓘ **NOTICE**

This notice indicates further useful information.

Retain these instructions in a safe place for future reference, maintenance or when ordering replacement parts.

1.1 Technical Data

LCD display of:

- + Training time
- + Training distance
- + Training speed
- + RPM
- + Burnt calories
- + Heart rate (when using the hand sensors or chest strap)

Training programmes:	10
Quick start programmes:	1
Heart rate controlled programmes:	1
Brake system:	manually adjustable magnetic brake
Resistance levels:	8

Weight and dimensions:

Article weight (gross, including packaging):	59.11 kg
Article weight (net, without packaging):	52 kg
Packaging dimensions (L x W x H):	115 cm x 45 cm x 58 cm
Set-up dimensions (L x W x H):	115 cm x 62 cm x 160 cm
Maximum user weight:	110 kg
Use class:	H

1.2 Personal Safety

DANGER

- + Before you start using the equipment, you should consult your physician that this type of exercise is suitable for you from a health perspective. Particularly affected are persons who: have a hereditary disposition to high blood pressure or heart disease, are over the age of 45, smoke, have high cholesterol values, are overweight and/or have not exercised regularly in the past year. If you are under medical treatment that affects your heart rate, medical advice is absolutely essential.
- + Note that excessive training can seriously endanger your health. Please also note that heart rate monitoring systems can be inaccurate. If you notice any signs of weakness, nausea, dizziness, pain, shortness of breath, or other abnormal symptoms, stop exercising immediately and seek advice from your doctor if necessary.
- + The owner must communicate all warnings and instructions to the user.

WARNING

- + This equipment may not be used by children under the age of 14.
- + Children should not be allowed unsupervised access to the equipment.
- + Persons with disabilities must have a medical license and must be under strict observation when using the equipment.
- + Remember that your device does not have a freewheel function. Therefore moving parts cannot be stopped immediately.
- + Note that the individual physical power required to perform an exercise may differ from the displayed mechanical power.
- + When ascending and descending, make sure that one of the treads is in the lowest position.
- + The equipment is strictly for use by one person at a time.
- + Keep your hands, feet and other body parts, hair, clothing, jewellery and other objects well clear of moving parts.
- + During use, wear suitable sports clothing rather than loose or baggy clothing. When wearing sports shoes, make sure they have suitable soles, preferably made of rubber or other non-slip materials. Shoes with heels, leather soles, studs or spikes are unsuitable. Never exercise barefoot.

CAUTION

- + If your equipment needs to be connected to the power supply with a mains cable, make sure that the cable is not a potential tripping hazard.
- + Make sure that nobody is within the range of motion of the equipment during training so as not to endanger you or other persons.
- + Do not insert any objects of any kind into the openings of the device.
- + Be aware that if adjustment devices are left protruding, they may impede the user's movement.

1.3 Electrical Safety



DANGER

- + In order to reduce the risk of an electric shock, always unplug the equipment from the mains socket immediately after your workout, before assembly or dismantling, and before maintenance or cleaning. Do not pull on the cable.



WARNING

- + Do not leave the equipment unattended while the mains cable is plugged into the mains socket. During your absence, the mains cable must be removed from the mains socket to prevent improper use by third parties or children.
- + If the mains cable or plug is damaged or defective, contact your contract partner. Until repair, the equipment must not be used.



ATTENTION

- + The equipment requires a mains connection of 220-230 V with 50 Hz mains voltage.
- + The equipment may only be connected directly to an earthed socket using the supplied mains cable. Extension cables must conform to VDE guidelines. Always completely unwind the mains cable.
- + The socket must be protected by a fuse with a minimum fuse rating of "16 A, slow blow".
- + Do not make any changes to the mains cable or the mains plug.
- + Keep the mains cable away from water, heat, oil and sharp edges. Do not route the mains cable underneath the equipment or under a carpet or rug, and do not place any objects on top of it.
- + If your purchased item is equipped with a TFT console, software updates must be carried out regularly. Follow the instructions on the console to perform the update(s).
- + The software systems on gym equipment with TFT consoles are set up only for the pre-installed apps. Do not install any additional apps.



NOTICE

- + The pre-installed apps on TFT consoles are produced and provided by external manufacturers. Fitshop does not take any responsibility for the availability, functionality or contents of these apps.
- + Hereby, Fitshop GmbH declares that the radio equipment type Wireless Connection (2.402 – 2.480 GHz) complies with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following website: www.fitshop.com.

1.4 Set-Up Place

WARNING

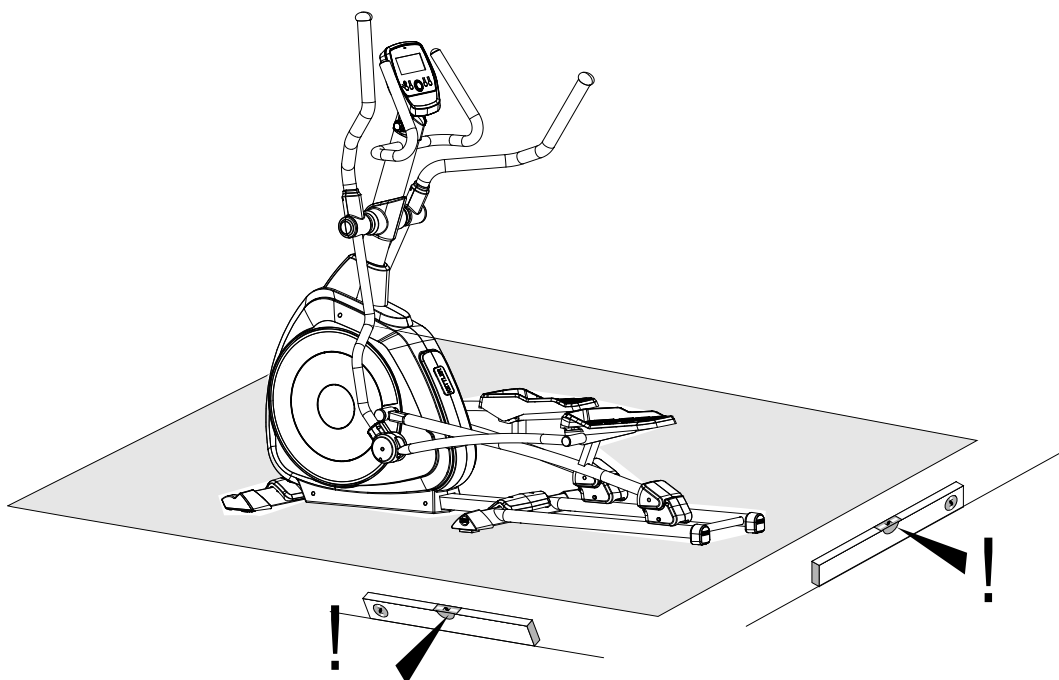
- + Do not place the equipment in main corridors or escape routes.

CAUTION

- + Choose a location in which to place the equipment such that there is enough free space/clearance to the front, the rear and to the sides of the equipment.
- + The training room should be well ventilated during training and not be exposed to any draughts.
- + Choose the place in which to set up the equipment such that there is enough free space/clearance to the front, the rear and to the sides of the equipment.
- + The free area in the direction from which the exercise equipment is accessed must be at least 0.6 m larger than the exercise area.
- + The set-up and mounting surface of the equipment should be flat, loadable and solid.

ATTENTION

- + The device may only be used in one building, in sufficiently tempered and dry rooms (ambient temperatures between 10°C and 35°C). The equipment should not be used outdoors or in rooms with high humidity (over 70%) like swimming pools.
- + A floor protective mat/equipment underlay can help to protect high-quality floor coverings (parquet, laminate, cork, carpets) from dents and sweat and can help to level out slight unevenness.
- + For Class S equipment, the exercise equipment may only be used in areas where access, supervision and control are specifically regulated by the owner.



2.1 General Instructions



DANGER

- + Do not leave any tools, packaging materials such as foils or small parts lying around, as otherwise there is a danger of suffocation for children. Keep children away from the equipment during assembly.



WARNING

- + Pay attention to the instructions attached to the equipment in order to reduce the risk of injuries.



CAUTION

- + Ensure to have sufficient room for movement in each direction during assembly.
- + The assembly of the equipment must be carried out by at least two adults. If in doubt, seek the help of a third technically skilled person.



ATTENTION

- + To prevent damage to the equipment and the floor, assemble the equipment on a mat or packaging board.



NOTICE

- + In order to make the assembly as simple as possible, some screws and nuts to be used can already be pre-assembled.
- + Ideally, assemble the equipment at its later set-up place.

2.2 Scope of Delivery

The scope of delivery consist of the following parts. At the beginning, check whether all parts and tools belonging to the device are included in the scope of delivery and whether damage has occurred. In the event of complaints, the contractual partner must be contacted directly.



CAUTION

If parts of the scope of delivery are missing or damaged, the assembly must not be carried out.

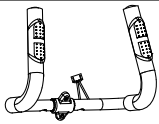
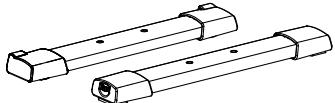


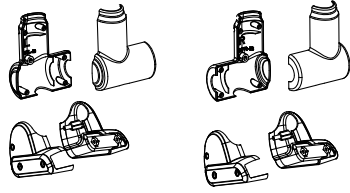
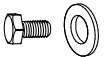
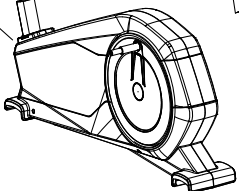
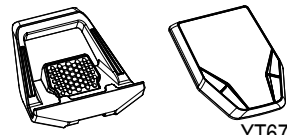


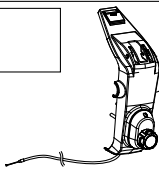

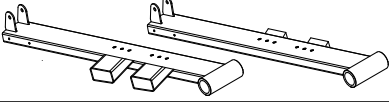
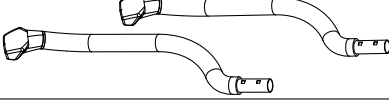

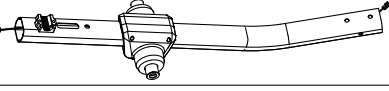

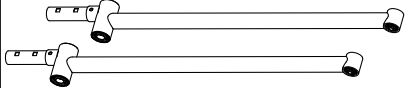


NOTICE

The following batteries are required: 2 x AA 1.5 V

Required tools:



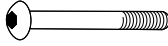
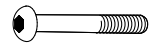
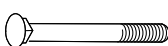
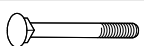















	Stck. 1
	1
	1
	1
	1
 6x M8x20 	1
 YT6799-11-E	1
 1x M5x14  	1
 2/4x M5x14 	1
	1
 2x M5x16 	1
 2/1x M5x14 	1

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Pos. 41

	M6	4
		2
	M8x55	2
	M8x45	4
	M8x50	4
	M8x40	4
	M8x20	4
	M7x30	2
	ø 7	2
	ø 7	2
	ø 8x19	10
	ø 8,5x25	4
	ø 8	4
	ø 17,5x25	2
	ø 8x19	4
	M 8	6
	ø 17x22	2
	3x16	11
	3x30	6

2.3 Assembly

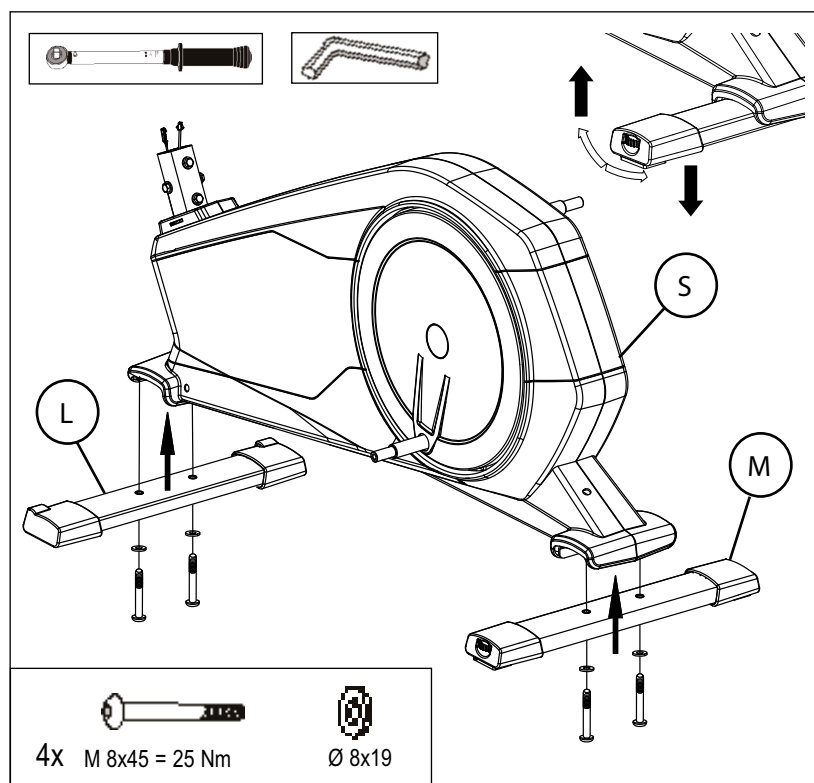
Before assembly, take a close look at the individual assembly steps shown and carry out the assembly in the order given.

NOTICE

- + First loosely screw all parts together and check that they fit properly. Tighten the screws using the tool only when you are instructed to do so.
- + Do not tighten the screws and bolts with excessive force as they could be damaged.
- + If you have difficulty recognising the graphics, we recommend that you open and/or download the PDF instructions stored in the webshop on your end device (e.g. smartphone, tablet or PC). There you have the option of zooming in closer. Please note that the Adobe Acrobat Reader programme must be installed on your end device in order to open the file.

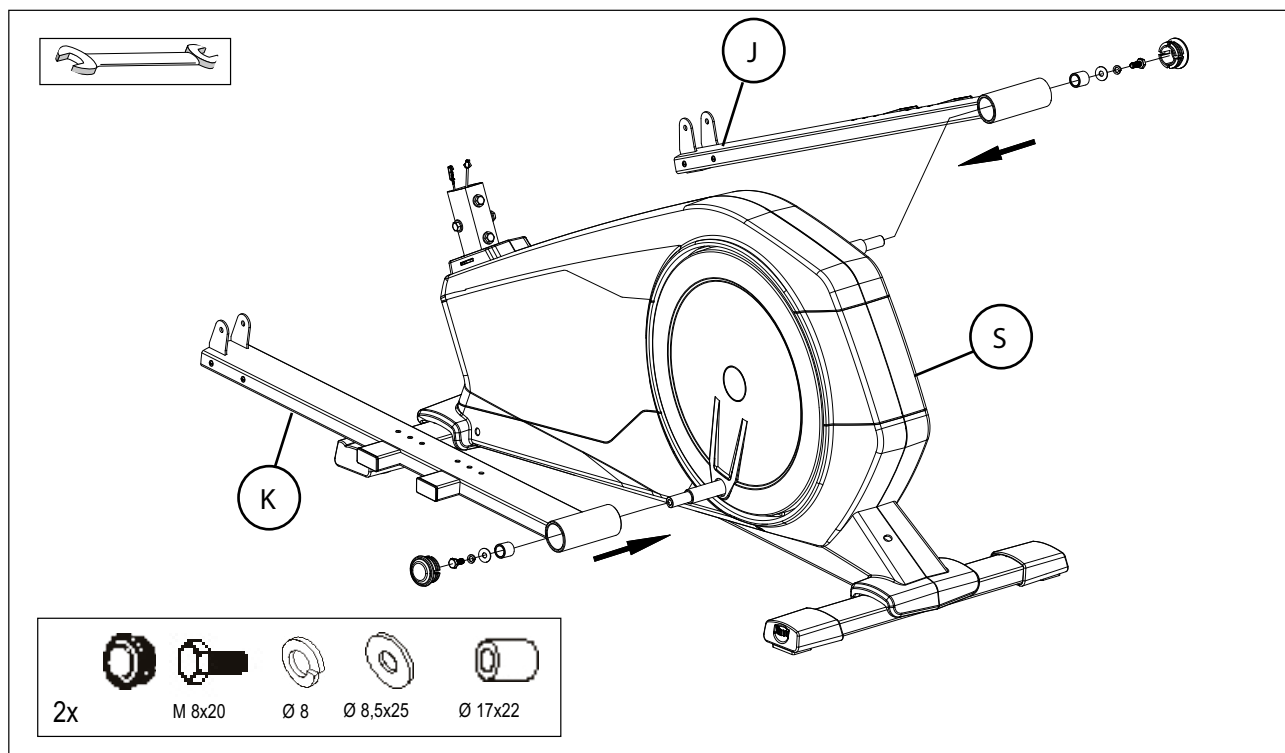
Step 1: Assembly of the Stabilizers

1. Assemble the front stabilizer (L) and rear stabilizer (M) to the frame (S) with four screws (U) and four washers (U-1) in total.



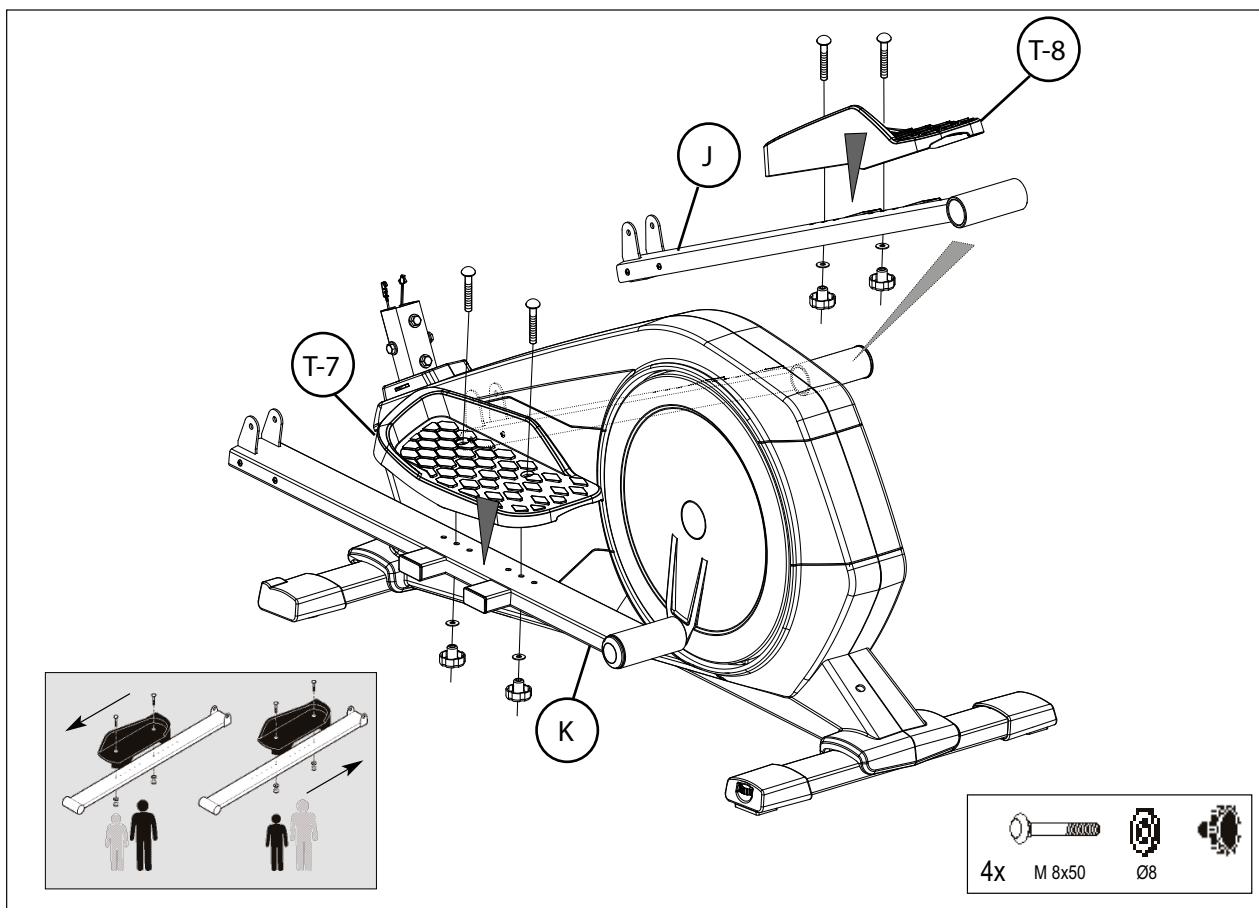
Step 2: Assembly of the Pedal Tubes

1. Assemble the left pedal tube (K) and right pedal tube (J) to the frame (S) with two screws (U-10), two spring washers (U-11), two flat washers (U-12), two sleeves (U-15) and two caps (U-16) in total.



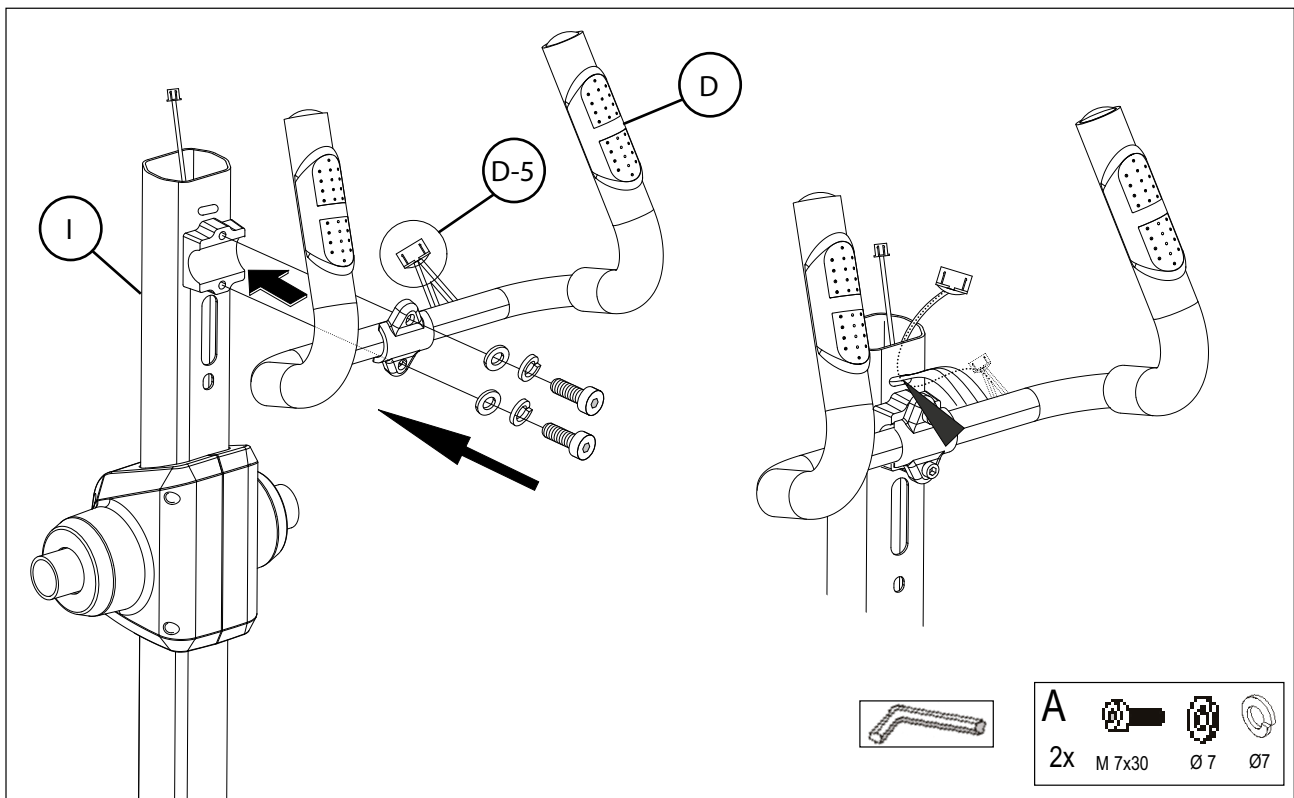
Step 3: Assembly of the Pedals

1. Assemble the left pedal (T-7) to the left pedal tube (K) with two screws (U-6), two washers (U-1) and two knobs (U-17).
2. Assemble the right pedal (T-8) to the right pedal tube (J) with two screws (U-6), two washers (U-1) and two knobs (U-17).



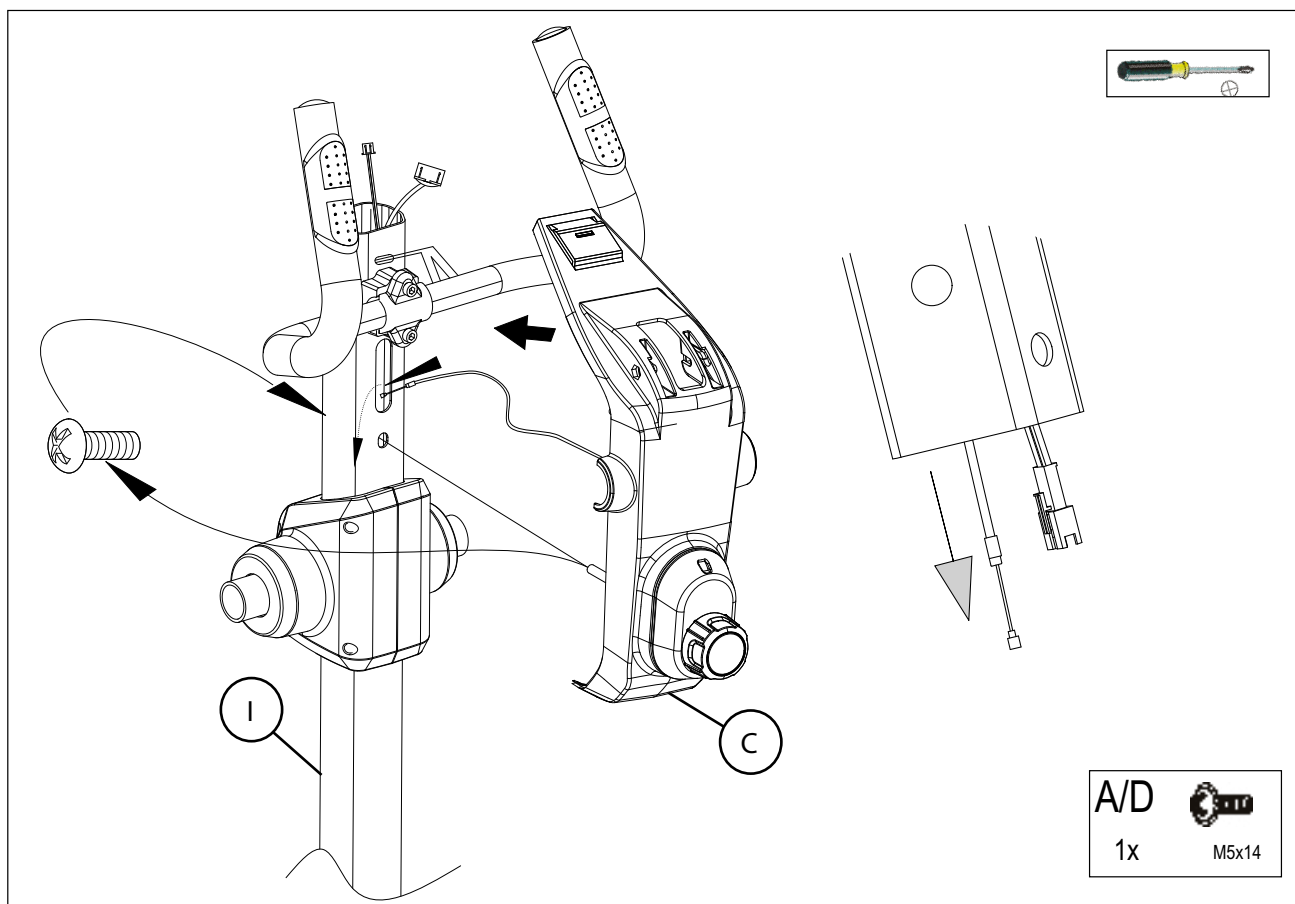
Step 4: Assembly of the Handlebar

1. Assemble the handlebar (D) to the handlebar post (I) with two screws (T-2), two spring washers (T-4) and two washers (T-3).
2. Guide the cable (D-5) of the handlebar through the handlebar post (I).



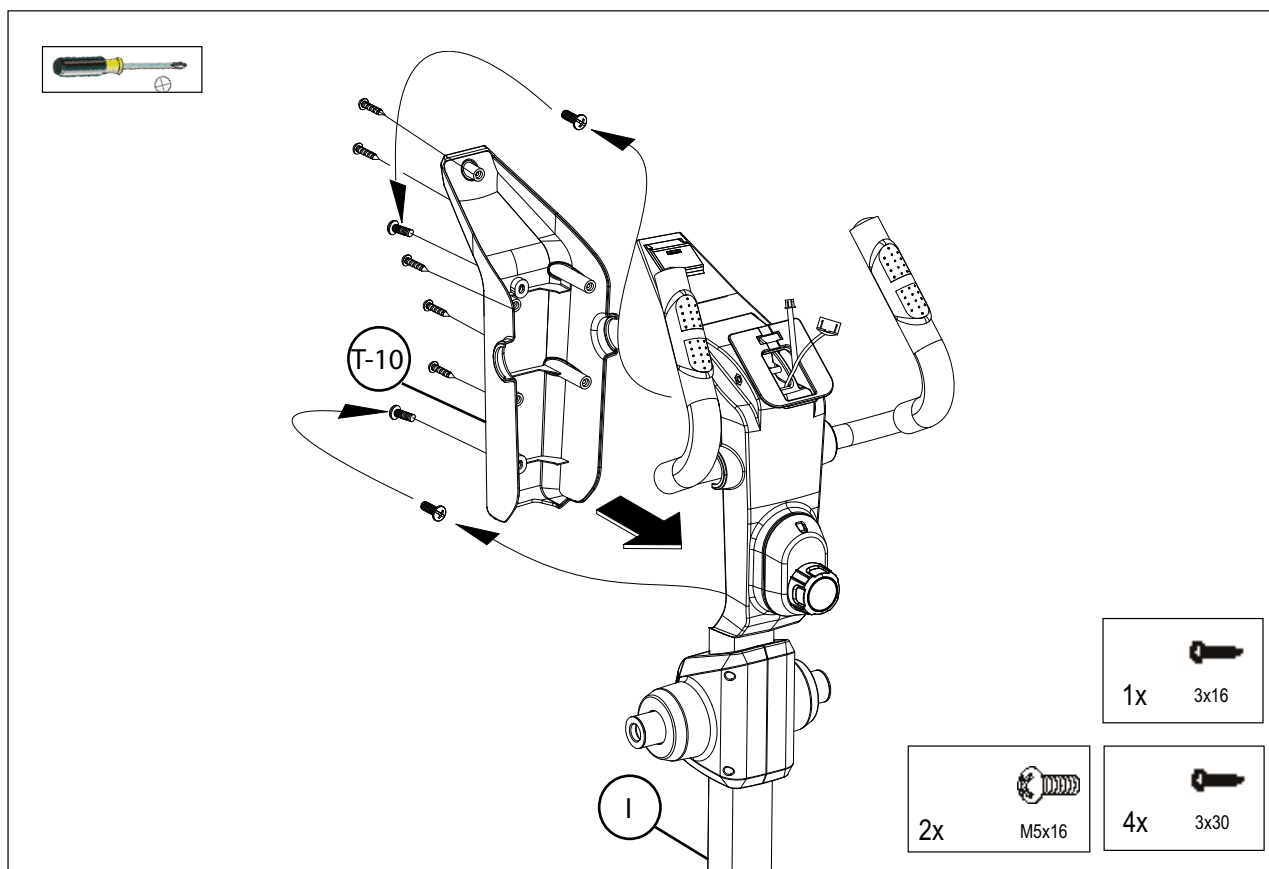
Step 5: Assembly of the Front Cover

1. Guide the cable downwards through the opening of the handlebar post (I) as shown.
2. Assemble the front cover (C) to the handlebar post (I) with one screw (C-7).



Step 6: Assembly of the Back Cover

1. Assemble the back cover (T-10) to the handlebar post (I) with two screws (I-2), one screw (U-18) and four screws (U-5).



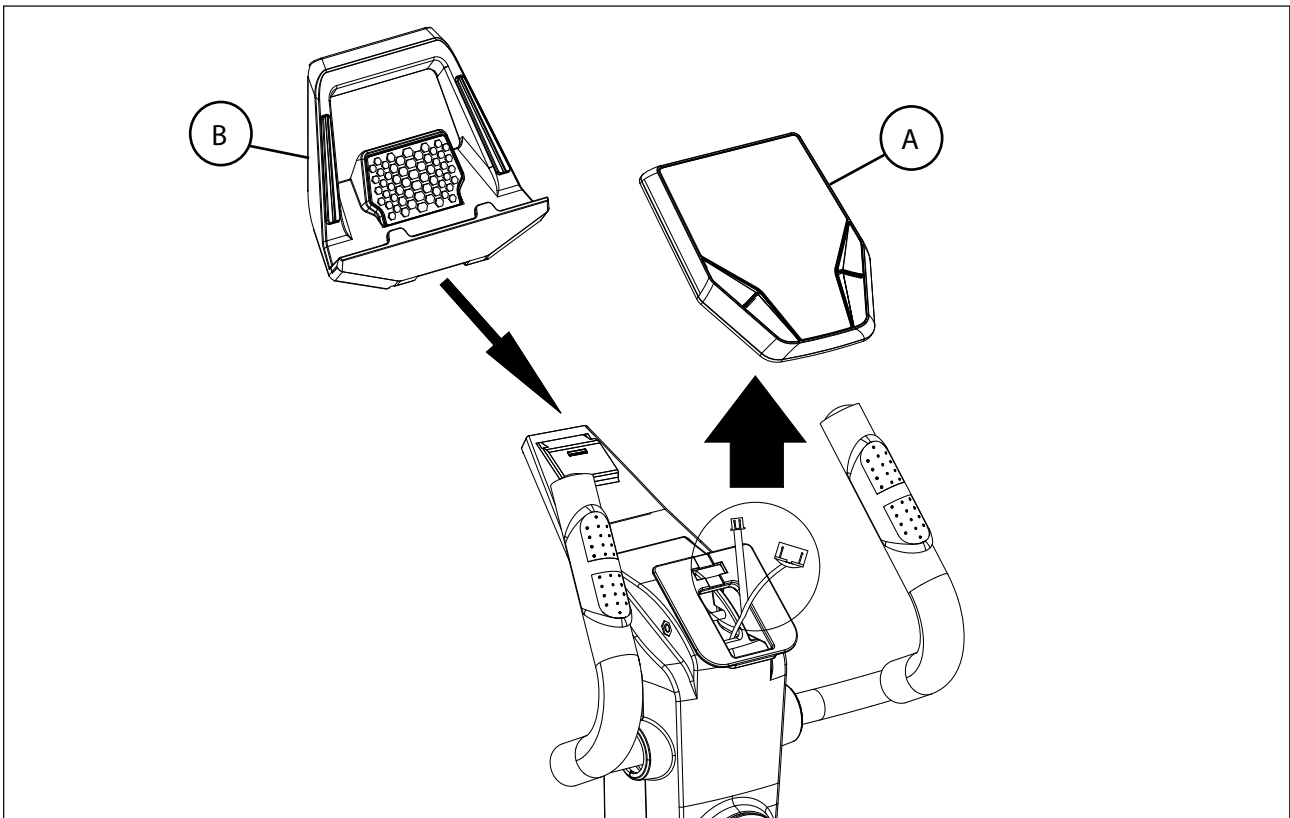
Step 7: Assembly of the Computer and Tablet Holder

1. Attach the tablet holder (B) to the handlebar post (I).

► **ATTENTION**

In the following step please pay attention that you don't pinch the cables.

2. Connect the cables of the handlebar post (I) to the computer (A)
3. Attach the computer (A) to the handlebar post (I).



Step 8: Assembly of the Handlebar Post

1. Remove the pre-assembled screw from the frame (S).
2. Slide the cover (T-9) onto the handlebar post (I).
3. Connect the upper cables with the lower cables.
4. Assemble the handlebar post (I) to the frame (S) with six screws (S-1) and six washers (S-2).

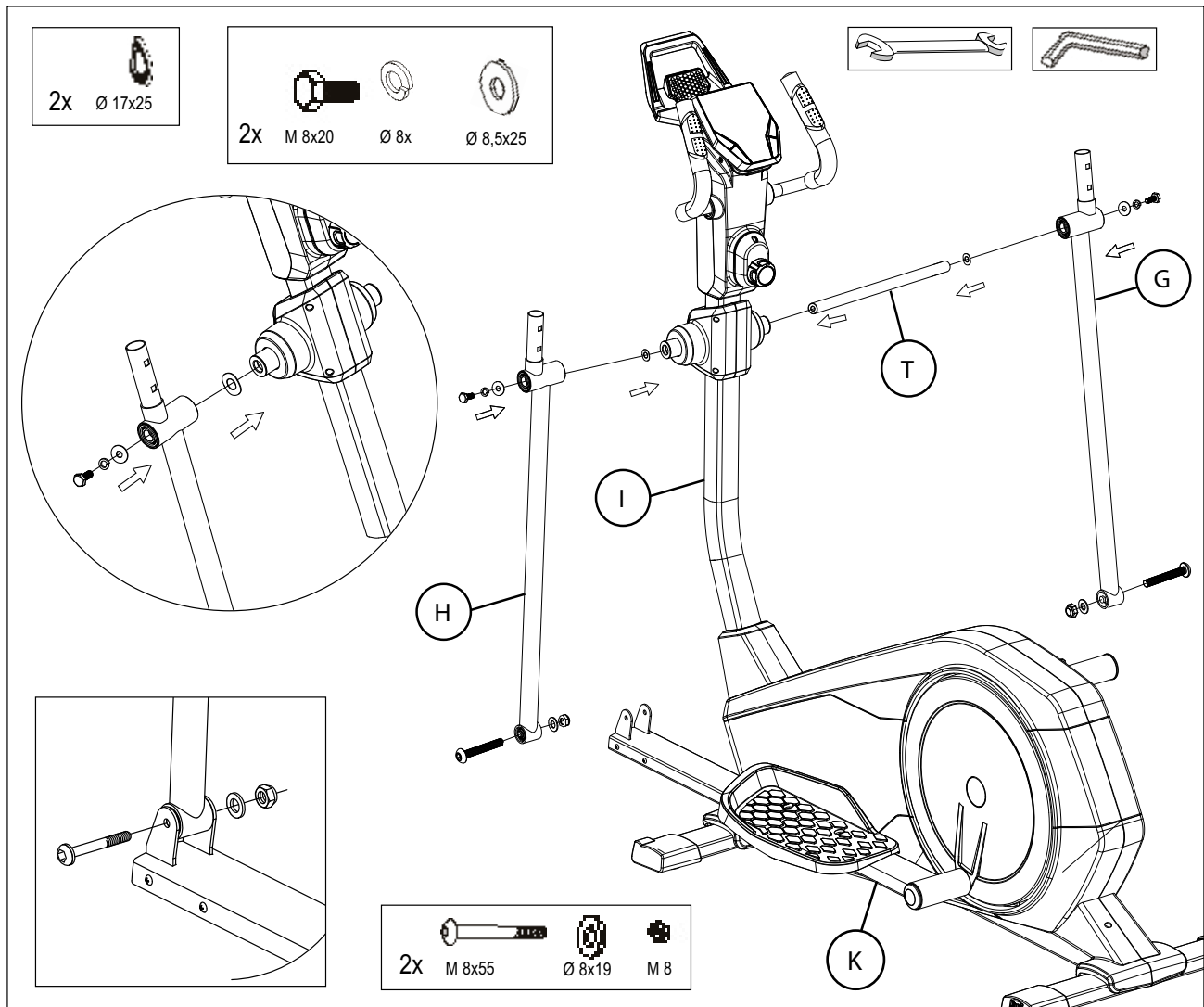
► ATTENTION

In the following step please pay attention that you don't pinch the cables.

5. Set the resistance to 8 to extend the resistance cable.
6. Insert the resistance cable into the resistance bracket.
7. Set the resistance to 1.
8. Loosen the plastic lock. You can dispose of this.
9. Connect the console cables together.
10. Slide the cover (T-9) downwards.

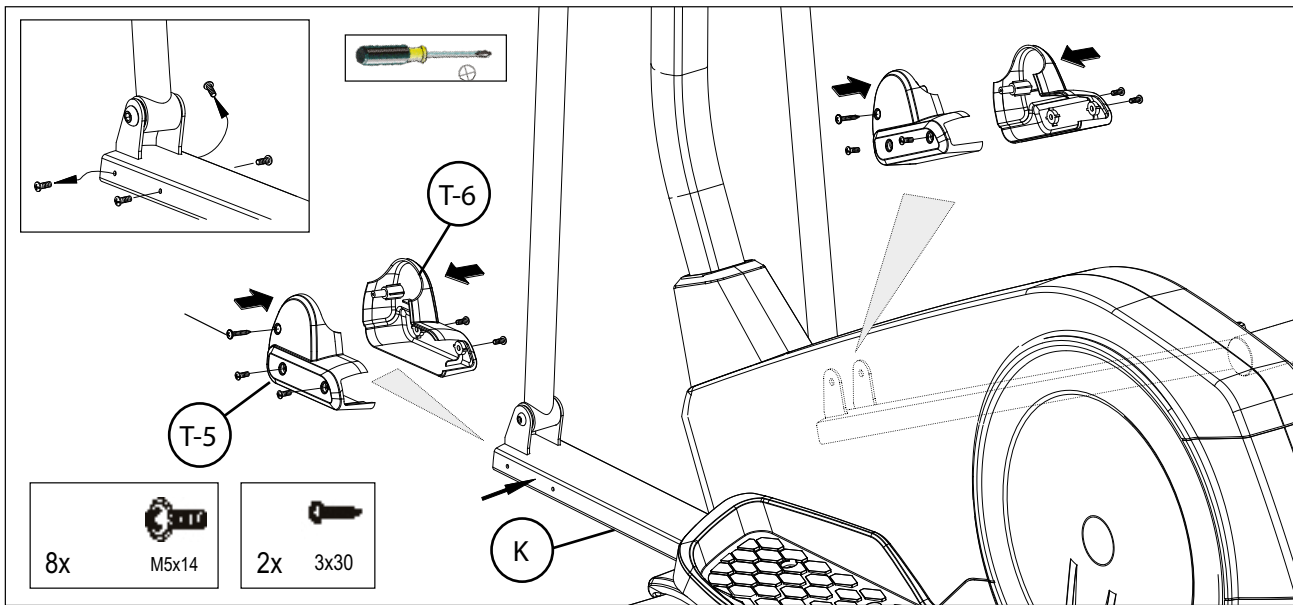
Step 9: Assembly of the Handlebars

1. Assemble the left handlebar (H) and right handlebar (G) to the handlebar post (I) with one central axle (T), two screws (U-10), two spring washers (U-11), two washers (U-12) and two wavy washers (U-13).
2. Assemble the left handlebar (H) and right handlebar (G) to the left pedal tube (K) and right pedal tube (J) with two screws (U-14), two washers (U-1) and two nuts (U-9).



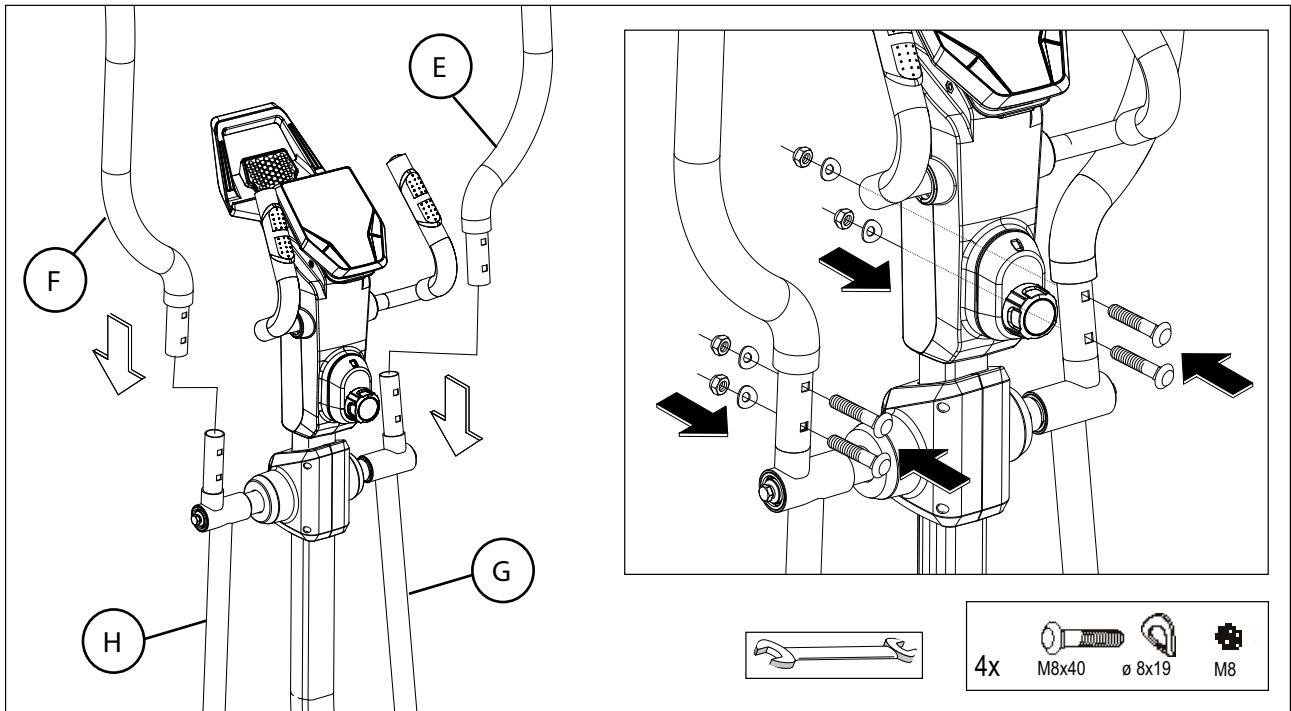
Step 10: Assembly of the Covers for the Pedal Tubes

1. Assemble the left cover (T-5) and right cover (T-6) to the left pedal tube (K) with four screws (K-4) and one screw (U-19).
2. Assemble the left cover (T-5) and right cover (T-6) to the right pedal tube (J) with four screws (J-4) and one screw (U-19).



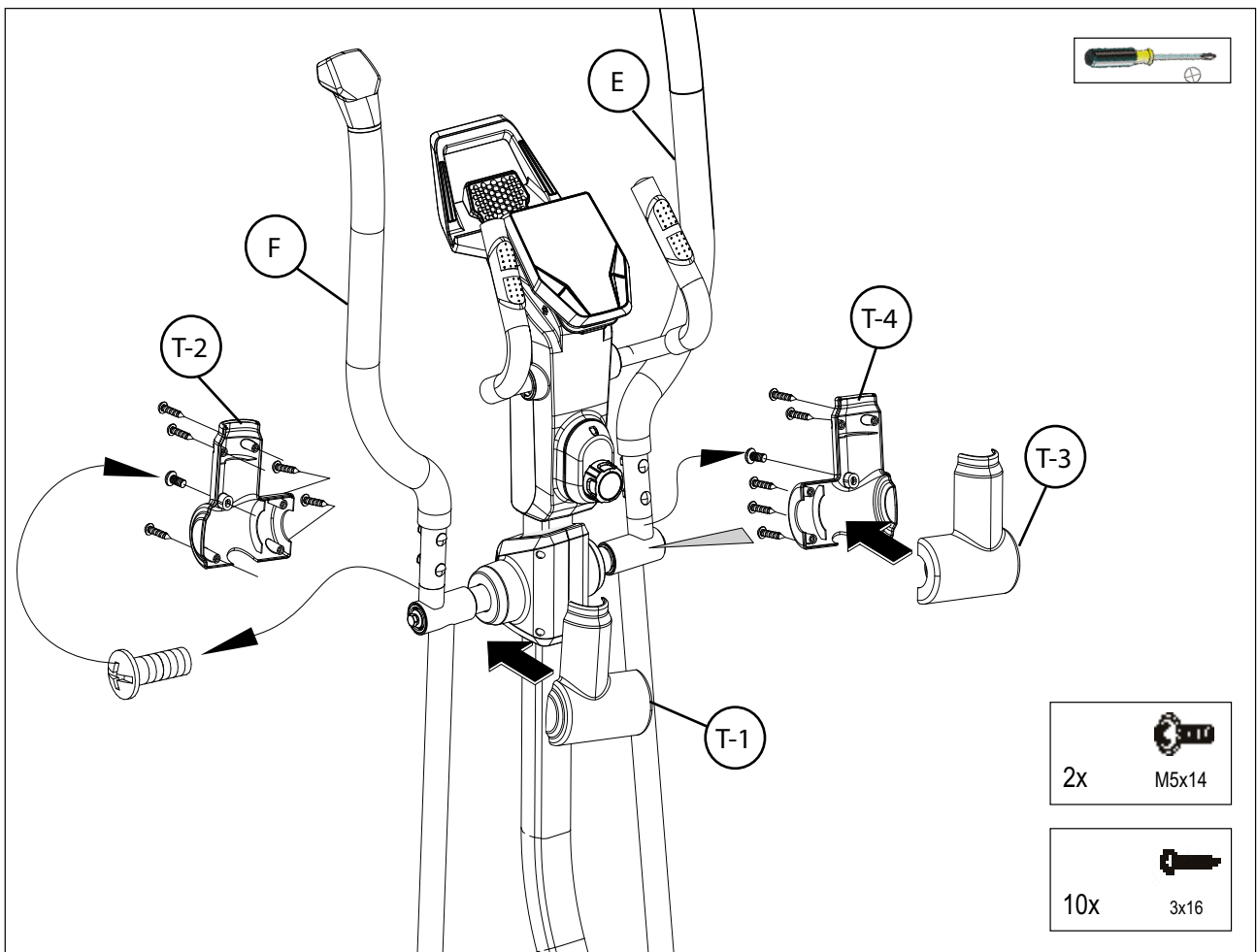
Step 11: Assembly of the Handlebars

1. Assemble the left handlebar (F) to the left pedal arm (H) with two screws (U-7), two washers (U-8) and two nuts (U-9).
2. Assemble the right handlebar (E) to the right pedal arm (G) with two screws (U-7), two washers (U-8) and two nuts (U-9).



Step 12: Assembly of the Covers for the Pedal Arms

1. Assemble the left upper cover (T-2) and the left lower cover (T-1) to the left handlebar (F) with five screws (U-18) and one screw (H-3).
2. Assemble the right upper cover (T-4) and the right lower cover (T-3) to the right handlebar (E) with five screws (U-18) and one screw (G-3).



Step 13: Alignment of the feet

If the floor is uneven, you can stabilize the equipment by turning the two setting screws under the main frame.

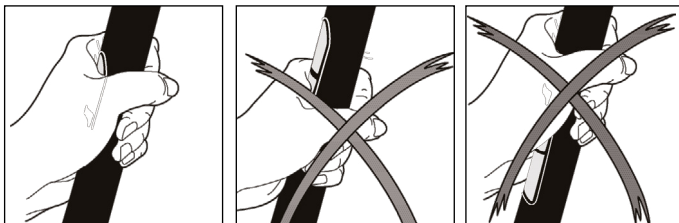
1. Lift the equipment on the desired side and rotate the setting screws under the main frame.
2. Rotate the screws clockwise in order to remove them and to raise the equipment.
3. Rotate them counterclockwise in order to lower the equipment.

Correctly Getting On and Off

1. To get on, grip the handles with both hands and first step onto the left pedal with your left foot or onto the right pedal with your right foot and then place your foot onto the other pedal.
2. To get off, grip the handles with both hands and place one foot next to the equipment and then the other foot.

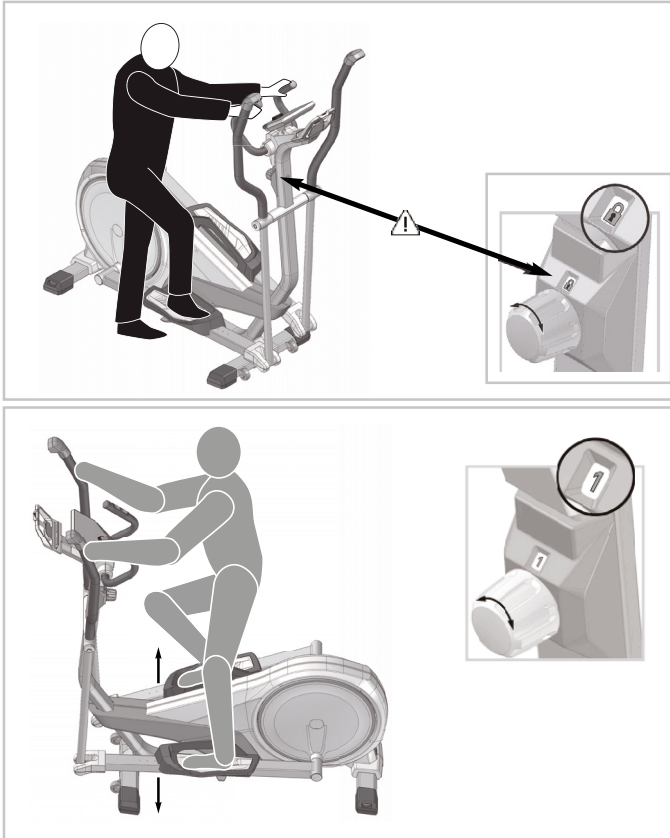
Using the Hand Pulse Sensors

1. Enclose the entire hand around the hand pulse sensors.
2. Make sure that the palm of your hand surrounds the hand pulse sensors.



Locking the pedals

1. Before you get on the cross trainer, set the rotary knob to the lock symbol so that the pedals are locked and you can get on safely.
2. When you want to start training, set the rotary knob to 1 so that the pedals are released.

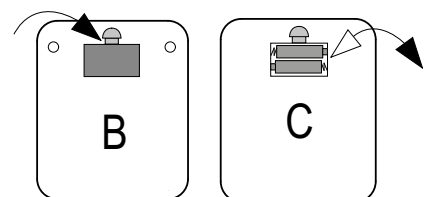
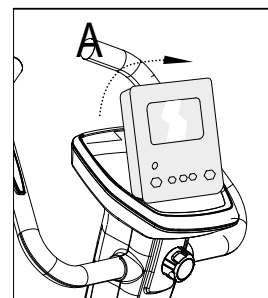


2.4 Battery Replacement

① NOTICE

A weak or an extinguished computer display makes a battery replacement necessary.

1. Open the battery compartment.
2. Remove the batteries.
3. Insert two new batteries (AA 1.5 V).
4. Close the battery compartment.

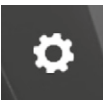

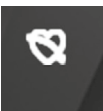


① NOTICE

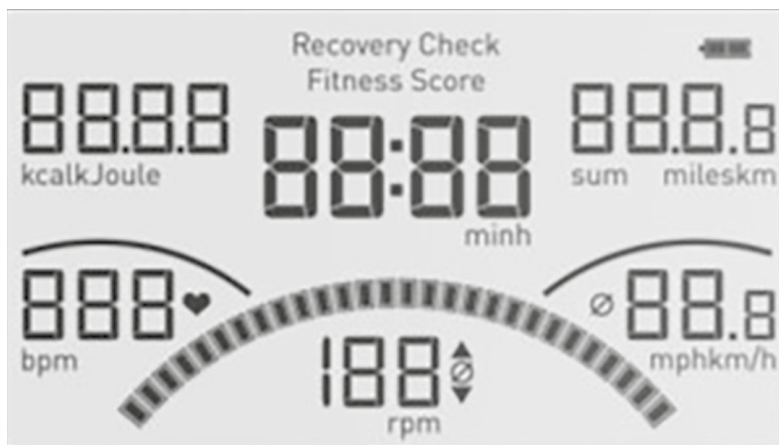
- + Familiarise yourself with all the functions and setting options of the device before starting training. Have the proper use of this product explained to you by a specialist.
- + Always start your training with low intensity and increase evenly and gently. End your training with a cool-down phase. If you are unsure, please consult your physician.

3.1 Console display



	Preset button	<ul style="list-style-type: none"> + To access the inputs, press this button. + Hold this button to reset the display and restart the console.
	Plus/Minus button	<ul style="list-style-type: none"> + Press the buttons to increase or decrease the input values. + Hold the button during training for a quick scroll through the values.
	Recovery	Um die Erholungspulsfunktion zu starten, drücken Sie diese Taste.

3.2 Display



Display	Function
Calories Burned	Display range: 0-9999 kcal/kJ
Training time	Display range: 0:00-99:59 min
Distance	Display range: 0.00-99.99 km
Heart Rate	Display range: 40-199 bpm (beats per minute)
Speed	Display range: 0-99.9 km/h
Step Frequency	Display range: 14-118 rpm

3.3 Quick Start

You can start a workout without preset settings:

1. Pedal to start the console.
2. Change the resistance using the resistance knob.

The values will increase.

3. Pause the workout by not pedaling.

The average values will be displayed.

4. To continue the workout, start pedaling again.

→ *If no input or pedal movement occurs for four minutes, the console will switch to standby mode.*

3.4 Custom Training

You can start a custom workout:

1. Pedal to start the console.
2. Press the preset button.
3. Set a value for the time using the plus/minus buttons.
4. Confirm with the preset button.
5. Adjust the other values.
6. Skip a value by pressing the preset button without entering a value.
7. Pedal to start the workout.

The values will count down.

8. Pause the workout by not pedaling.

The average values will be displayed.

9. To continue the workout, start pedaling again.

→ If no input or pedal movement occurs for four minutes, the console will switch to standby mode.

3.5 Recovery Function

With the recovery function, you can measure your resting heart rate after the workout. Upon completion, you will receive a fitness score between 1 (very good) and 6 (poor).

1. Once the workout is finished, press the recovery button.
2. Place your hands on the hand pulse sensors.

After 60 seconds, the result will be displayed.

3.6 Workout tips

When training, it is important to perform the exercises correctly in order to avoid injuries and achieve the desired training effect. Make sure you use the correct technique and train at an appropriate intensity level. Always consult an expert such as a trainer or doctor if you are unsure or have health problems. Always start your training with a low load and increase it evenly and gently.

End your training with a cool-down phase. If you have any questions or uncertainties, contact your doctor.

3.6.1 Training clothes

During training, wear appropriate sports clothing that is comfortable and breathable. Avoid clothing that restricts you or is uncomfortable. Make sure that your shoes are suitable and offer you sufficient support. In addition, always carry a towel with you to wipe away sweat and keep the equipment clean.

3.6.2 Warming up and stretching

It is important to warm up and stretch properly before training to avoid injury and improve performance. Stretching helps to loosen muscles and improve flexibility. Be sure to incorporate a short stretching routine before each workout.

Warm-up exercise:

1. Stand upright with your feet about shoulder-width apart.
2. Start with gentle arm circles by slowly moving your arms forwards in small circles in a controlled manner.
3. Perform arm circles backwards to loosen your shoulders and arms.
4. Do squats by slowly squatting down and then straightening up again. Make sure that your knees do not extend beyond your toes.



CAUTION

Do not exercise with sore muscles or take it easy on the affected muscles, as this can lead to injuries.

3.6.3 Medication

If you regularly take medication and want to exercise, it is important to be aware of possible side effects. Ask your doctor whether your medication affects your workout.

3.6.4 Used muscle groups

This training uses the following muscle groups:

- + Gluteal muscle
- + Leg muscles

Make sure you keep your back straight during training. Do not hunch over and do not arch your back. Do not fully extend your legs, but keep a slight bend in the backwards movement.

3.6.5 Exercise frequency

Regular exercise is crucial to making progress and staying healthy in the long term. Continuous exercise can strengthen muscles, improve endurance and enhance overall well-being. Remember that even small workouts can be done regularly to achieve long-term results.

Training with heart rate orientation

Heart rate orientation guarantees an extremely effective and healthy training. Through your age and the following table, you can quickly and easily read and determine the optimal pulse for your training. An acoustic alarm will sound if your heart rate exceeds the set target heart rate. Which target heart rate is important for which training goal can be found out in the following.

Fat burning (weight management): The main goal here is to burn deposits of fat. In order to achieve this training goal, a low training intensity (approximately 55% of the maximum heart rate) and a longer training period are required.

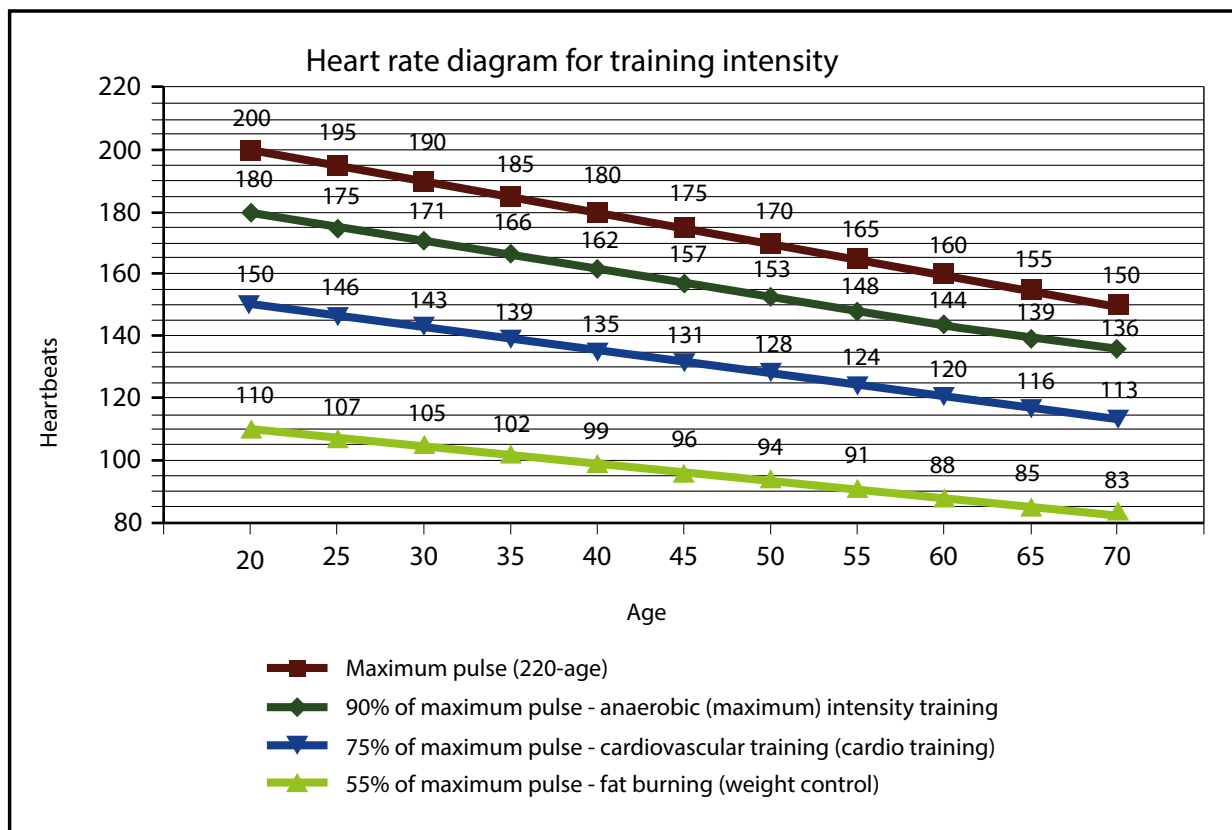
Cardiovascular training (cardio training): The primary goal is to increase stamina and fitness through an improved provision of oxygen through the cardiovascular system. In order to achieve this training goal, medium intensity (approximately 75% of the maximum heart rate) with a medium training period is required.

Anaerobic (maximum) load training: The main goal of maximum load training is to improve recovery after short, intense loads in order to be able to quickly return to the aerobic zone. In order to achieve this training goal, a high intensity (approximately 90% of the maximum heart rate) with short, intense load is required, which is followed by a recovery phase in order to prevent muscle fatigue.

Example:

For a 45-year-old man or woman, the maximum heart rate is 175 ($220 - 45 = 175$).

- + The fat burning target zone (55%) is at approximately 96 beats/min. = $(220 - \text{age}) \times 0.55$.
- + The cardio target zone (75%) is at approximately 131 beats/min. = $(220 - \text{age}) \times 0.75$.
- + The maximum heart rate for an anaerobic load training (90%) is at approximately 157 beats/min. = $(220 - \text{age}) \times 0.9$.



3.7 Workout journal

[illegible]

Date _____



Distance



Time (min.)



Resistance level



Training weight



Ø Pulse



Calories burnt



I feel ...



Body weight

4.1 General Instructions

WARNING

- + The storage location should be chosen so that improper use by third parties or children can be prevented.
- + If your equipment does not have transportation wheels, the equipment must be disassembled before transportation.

ATTENTION

- + Make sure that the equipment is protected from moisture, dust and dirt in the selected storage location. The storage location should be dry and well ventilated and have a constant ambient temperature between 10°C and 35°C.

4.2 Transportation Wheels

ATTENTION

If you want to transport your equipment over particularly sensitive and soft floor coverings, such as parquet, planks or laminate, lay out the transport route with cardboard or similar to avoid possible floor damage.

1. Stand behind the equipment and lift it until the weight is transferred to the transportation wheels. After that, you easily can move the equipment to a new position. For long transport distances the equipment should be disassembled and safely packed.
2. Select the new location by following the instructions in the section 1.4 of this manual.



5.1 General Instructions



WARNING

- + Do not make any improper changes to the equipment.



CAUTION

- + Damaged or worn components may affect your safety and the life of the equipment. Therefore, immediately replace damaged or worn components. In such a case, contact the contract partner. The equipment must not be used until it has been repaired. If necessary, use only original spare parts.



ATTENTION

- + In addition to the instructions and recommendations for maintenance and care given here, additional service and/or repair work may be necessary; this must only be carried out by authorised service technicians.

5.2 Faults and Fault Diagnosis

The equipment undergoes regular quality controls during production. Nevertheless, faults or malfunctions may occur. Frequently, individual parts are responsible for these disturbances, an exchange is usually sufficient. Please refer to the following overview for the most common errors and how to correct them. If the equipment still does not function properly, contact your contract partner.

Fault	Cause	Solution
Drive disks wobble/ make noises	Drive disk loose	Tighten nut (pay attention to left-hand / right-hand thread)
Display is blank/is not working	Loose cable connections	Check cable connections
Equipment wobbles	Equipment is not level	Align the feet
Creaking noises on the stepping area	Loose screws on stepping area	Tighten the screws on the stepping area
Creaking noises	Screw connections loosened or too tight	Check screw connections
Squeaking noises on the guide rails	Guide rails or rollers dirty or guide rails dry	Clean the guide rails and then lubricate them with a suitable lubricant

No pulse display	<ul style="list-style-type: none"> + Sources of interference in the room + unsuitable chest strap + Wrong position of chest strap + Chest strap defective or battery empty + Pulse display defective 	<ul style="list-style-type: none"> + Eliminate sources of interference (e.g. mobile phone, WLAN, lawn mower and vacuum cleaner robot, etc. ...) + Use a suitable chest strap (see RECOMMENDED ACCESSORIES). + Reposition chest strap and/or moisten electrodes + Changing batteries + Check if pulse display by hand pulse possible
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5.3 Error Codes and Troubleshooting

The electronics of the equipment continuously carries out tests. In case of deviations, an error code appears on the display and normal operation is stopped for your safety.

Please contact the contract partner for technical support.

5.4 Maintenance and Inspection Calendar

To avoid damage from sweat, the equipment must be cleaned with a damp towel (no solvents!) after each training session.

The following routine tasks must be performed at the specified intervals:

Part	Weekly	Monthly	Quarterly
Display console	C	I	
Slide rails*		C	
Lubrication of slide rails and moving parts*			I
Plastic covers	C	I	
Screws and cable connections		I	
Legend: C = clean; I = inspect			

*Make sure to always clean the slide rails and moving parts before re-lubricating.

By scanning the QR-code with the camera function or QR-code scanner app of your smartphone/tablet, a video on general maintenance of a crosstrainer opens on YouTube. The video serves to illustrate the maintenance points described in this manual.

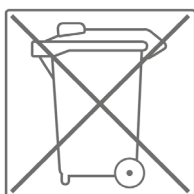
Please note that the video may not be available in your language or with appropriate subtitles.

If you cannot scan QR-codes, you can access all Fitshop videos on YouTube by first opening YouTube and entering "Fitshop" in the search field.



6 DISPOSAL

At the end of its operational life, this equipment cannot be disposed of in normal household waste. Instead, it must be disposed of via an electricals recycling centre. Further information can be obtained from your local authority's recycling service.



The materials can be recycled as per their symbols. Through the reuse, recycling of materials or other forms of recovery of old equipment, you make an important contribution to the protection of the environment.

7 RECOMMENDED ACCESSORIES

To make your training experience even more efficient and pleasant, we recommend that you add suiting accessories to your fitness equipment. For elliptical cross trainers this could for example be a **floor mat**, which makes your fitness equipment stand more securely and also protects the floor from sweat or **silicone spray** to keep moving parts in good shape.

If you have purchased a fitness machine with pulse training and want to train your heart rate, we strongly recommend that you use a compatible **chest strap**, as this ensures optimum transmission of the heart rate.

Our range of accessories offers the highest quality and makes training even better. If you would like to find out more about compatible accessories, please go to the detail page of the product in our webshop (the easiest way is to enter the article number in the search field above) and go to the recommended accessories on this page. Alternatively, you can use the QR-code provided. Of course, you can also contact our customer service: by telephone, e-mail, in one of our branches or via our social media channels. We will be happy to advise you!



chest strap



floor mat



silicone spray



chest strap contact gel

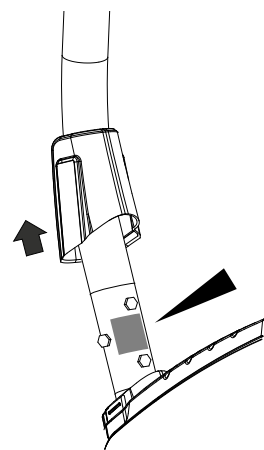
8.1 Serial Number and Model Name

In order to provide you with the best possible service, please have the model name, article number, serial number, exploded drawing and parts list ready. The corresponding contact options can be found in chapter 10 of this operating manual.

NOTICE

The serial number of your equipment is unique. It's located on a white sticker. The exact position of this sticker is shown in the following illustration.

Enter the serial number in the appropriate field.



Serial number:

Brand / Category:

Model Name:

Article Number:

8.2 Parts List

No.	Name	Qty.
A	computer computer YT 6799-11-E	1
B	Tablet Holder	1
C		1
C-1	screw	1
C-2	flat washer	1
C-3	spring washer	1
C-4	Monitorhalter Phanotypen	1
C-5	bushing	1
C-6	hex. Nut	1
C-7	screw	1
D	handlebar	1
D-1	foam grip	2
D-2	End cap	2
D-3	Pulse sensor	2
D-4	screw	2
D-5	Pulse connection cable	1
E	"upper handlebar(left)"	1
E-1	"cover for upper handlebar "	1
E-2	foam grip	1
F	"upper handlebar(right)"	1
F-1	"cover for upper handlebar "	1
F-2	foam grip	1
G	lower handlebar(right)	1
G-1	bearing	2
G-2	rivnut	1
G-3	screw	1
G-4	C-type ring	2
G-5	bearing	2
G-6	bushing	1
G-7	wave washer	2
H	lower handlebar(left)	1

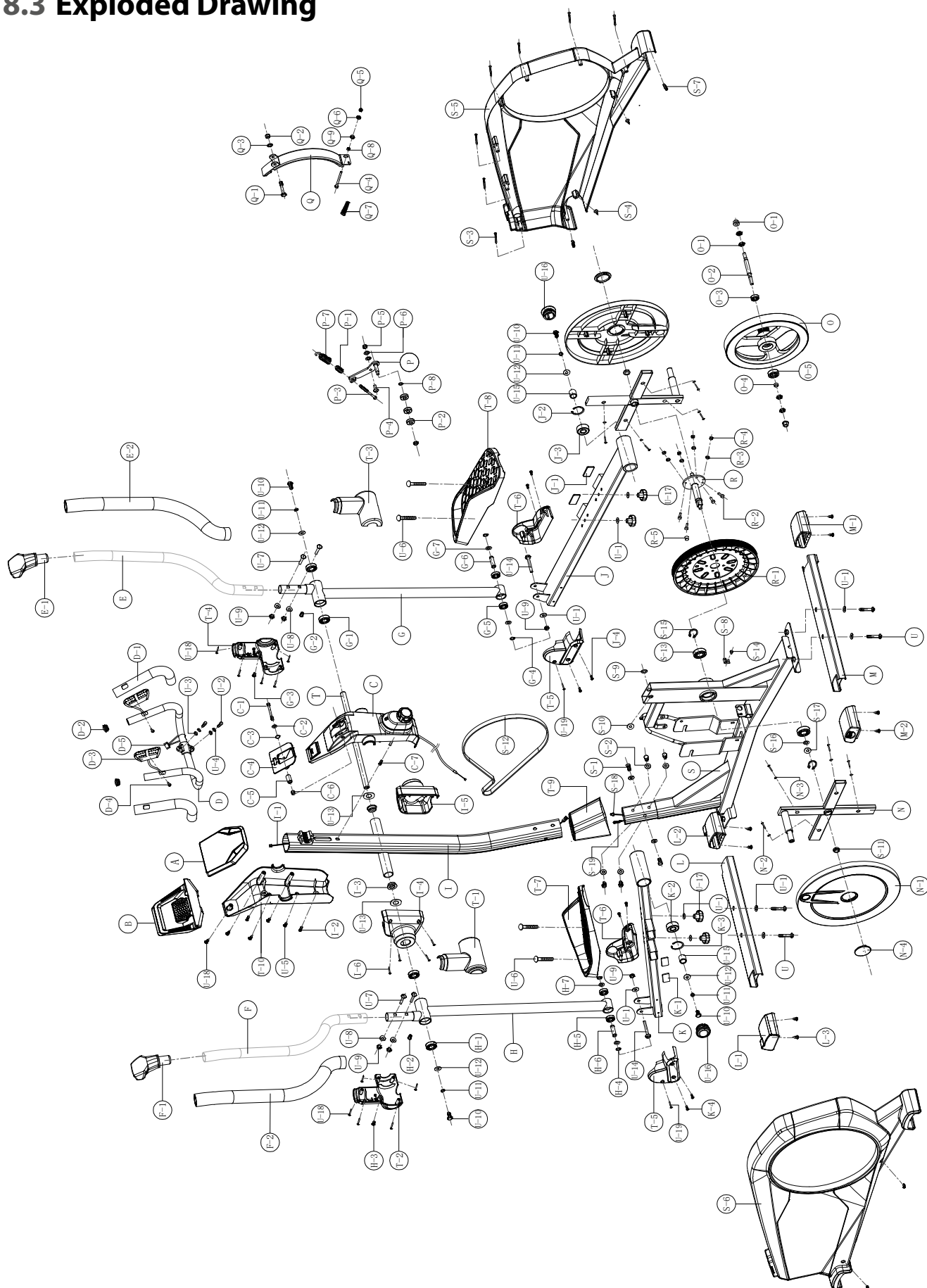
H-1	bearing	2
H-2	rivnut	1
H-3	screw	1
H-4	C-type ring	2
H-5	bearing	2
H-6	bushing	1
H-7	wave washer	2
I	handlebar post	1
I-2	screw	2
I-3	sleeve	2
I-1	sensor cable upper	1
I-4	left cover for shaft	1
I-5	right cover for shaft	1
I-6	screw	4
J	pedal arm(right)	1
J-1	End cap	2
J-2	C-type ring	1
J-3	bearing	1
J-4	screw	4
K	pedal arm(left)	1
K-1	End cap	2
K-2	C-type ring	1
K-3	bearing	1
k4	screw	4
L	front stabilizer	1
L-1	end cap of front stablizer(left)	1
L-2	end cap of front stablizer(right)	1
L-3	screw	4
M	rear stabilizer	1
M-1	end cap of rear stablizer	2
M-2	screw	4
N	cross bar	2
N-1	Disc	2
N-2	screw	8

N-4	cap for Disc	2
N-3	flat washer	8
O	flywheel	1
O-1	hex. Nut	4
O-2	axle for flywheel	1
O-3	bearing	1
O-4	sleeve	1
O-5	bearing	1
P	idler set	1
P-1	socket for spring	1
P-2	bearing	3
P-3	hex. Bolt	1
P-4	screw	2
P-5	Nylon nut	2
P-6	distance washer	2
P-7	spring	1
P-8	wave washer	1
Q	magnetic system with motor	1
Q-1	screw	1
Q-2	Nylon nut	1
Q-3	flat washer	1
Q-4	screw	1
Q-5	Nylon nut	1
Q-6	flat washer	1
Q-7	spring	1
Q-8	hex. Nut	1
Q-9	distance washer	1
R	shaft	1
R-1	big pulley	1
R-2	screw	4
R-3	spring washer	4
R-4	Nylon nut	4
R-5	"Magnetic core"	1
S	main frame	1

S-1	screw	6
S-2	flat washer	6
S-3	screw	7
S-4	screw	4
S-5	main cover left	1
S-6	main cover right	1
S-7	shaft for cover	1
S-8	Sensor Fixation	1
S-9	cushion pad	1
S-10	cushion pad	1
S-11	nut	2
S-12	drive belt	1
S-13	bearing	2
S-14	screw	1
S-15	C-type ring	2
S-16	wave washer	1
S-17	flat washer	1
S-18	sensor cable lower	1
S-19	Tension control, lower section	1
T	axle for handlebar	1
T-1	cover for upper left handlebar (front)	1
T-2	cover for upper left handlebar (rear)	1
T-3	cover for upper right handlebar (front)	1
T-4	cover for upper right handlebar (rear)	1
T-5	cover for pedal arm(front)	2
T-6	cover for pedal arm(rear)	2
T-7	pedal(left)	1
T-8	pedal(right)	1
T-9	cap for handlebar post	1
T-10	cap underneath computer, front	1
U	screw	4
U-1	flat washer	10
U-2	screw	2
U-3	flat washer	2

U-4	spring washer	2
U-5	screw	6
U-6	screw	4
U-7	screw	4
U-8	washer	4
U-9	Nylon nut	6
U-10	screw	4
U-11	washer	4
U-12	flat washer	4
U-13	wave washer	2
U-14	screw	2
U-15	bushing	2
U-16	end cap	2
U-17	knob on pedal	4
U-18	screw	11

8.3 Exploded Drawing



Products from Kettler® are subject to strict quality control. However, if a fitness equipment purchased from us does not work perfectly, we take it very seriously and ask you to contact our customer service as indicated. We are happy to help you by phone via our service hotline.

Error Descriptions

Your fitness equipment is developed for long-term, high-quality training. However, should a problem arise, please first read the operating instructions. For further assistance, please contact your contract partner or call our service hotline. To ensure your problem is solved as quickly as possible, please describe the defect as exactly as possible.

In addition to the statutory warranty, we provide a warranty for every fitness equipment purchased from us according to the following provisions.

Your statutory rights are not affected.

Warranty

The warranty is the first/original buyer and/or any person who received a newly purchased product as a gift from the original buyer.

Warranty period

The warranty periods, shown on our web shop, begin on delivery of the fitness equipment. The respective warranty periods for your equipment can be found on its product website.

Repair Costs

According to our choice, there will either be a repair, a replacement of individual damaged parts or a complete replacement. Spare parts, that have to be mounted while assembling the equipment, have to be replaced by the warranty holder personally and are not a part of repair. After the expiration of the warranty period, the responsibility for parts costs, repair costs, installation costs and delivery costs lies with the warranty holder.

The terms of use are defined as follows:

- + Home use: solely for private use in private households up to 3 hours per day
- + Semi-professional use: up to 6 hours per day (e. g. rehabilitation centres, hotels, clubs, company gyms)
- + Professional use: more than 6 hours per day (e. g. commercial gyms)

Warranty Service

Within the warranty period, equipment which develops faults as a result of material or manufacturing defects, will be repaired or replaced at our discretion. Ownership of equipment or parts of equipment which have been replaced is transferred to us. The warranty period is not extended nor does a new warranty period begin following repair or replacement under the warranty.

Warranty Conditions

For the warranty to be valid, the following steps must be taken:

Please contact our customer service by email or phone. If the product under warranty has to be sent in for repair, the seller bears costs. After expiry of the warranty, the buyer bears the costs of transport and insurance. If the fault is covered by our warranty, you will receive a new or repaired equipment in return.

Warranty claims are invalid in case of damage resulting from:

- + misuse or improper handling
- + environmental influences (moisture, heat, electrical surge, dust, etc.)
- + failure to follow the current safety measures for the equipment
- + failure to follow the operating instructions
- + use of force (e. g. hitting, kicking, falling)
- + interventions which were not carried out by one of our authorized service centres
- + unauthorised repair attempts

Proof of Purchase and Serial Number

Please make sure that you are able to provide the appropriate receipt when claiming on your warranty. So that we can clearly identify the model of your equipment, and for the purposes of our quality control, you will need to give the serial number of your equipment, when contacting the service team. Where possible please have your serial number and your customer number ready when you call our service hotline. It will help us to deal with your request swiftly.







































If you cannot find the serial number on your fitness equipment, our service team is at your disposal to offer further information.

Service outside of the Warranty Period

We are also happy to issue an individual cost estimate if there is a problem with your fitness equipment after the warranty has expired, or in cases which do not fall under the terms of the warranty, e. g. normal wear and tear. Please contact our customer service team to find a quick and cost-effective solution to your problem. In such a case you will be responsible for the delivery costs.

Communication

Many problems can be solved just by speaking to us as your specialist supplier. We know how important it is to you as a user of the fitness equipment to have problems solved quickly and simply, so you can enjoy working out with minimal interruption. For that reason, we also want to resolve your queries quickly and in a straightforward manner. Thus, please always keep your customer number and the serial number of the faulty equipment handy.

DE	DK	UK
TECHNIK  +49 4621 4210-900  +49 4621 4210-698  technik@fitshop.de  Öffnungszeiten entnehmen Sie unserer Homepage.	TEKNIK OG SERVICE  80 90 16 50 +49 4621 4210-945  info@fitshop.dk  Åbningstider kan findes på hjemmesiden: https://stg.fit/statit7	CUSTOMER SUPPORT  00800 2020 2772 +494621 4210 944  info@fitshop.co.uk  You can find the opening hours on our homepage: https://stg.fit/statitc
	FR	BE
SERVICE  0800 20 20277 (kostenlos)  04621 4210 - 0  info@fitshop.de  Öffnungszeiten entnehmen Sie unserer Homepage: https://stg.fit/statita	TECHNIQUE & SERVICE  +33 (0) 189 530984 +49 4621 42 10 933  info@fitshop.fr  Vous trouverez les heures d'ouverture sur notre site Internet: https://stg.fit/statit4	TECHNIQUE & SERVICE  02 732 46 77 +49 4621 4210 933  info@fitshop.be  Vous trouverez les heures d'ouverture sur notre site Internet: https://stg.fit/statit8
ES	NL	INT
TECNOLOGÍA Y SERVICIOS  911 238 029  info@fitshop.es  Consulta nuestro horario de apertura en la página web: https://stg.fit/statit5	TECHNISCHE DIENST & SERVICE  +31 172 619961  service@fitshop.nl  De openingstijden vindt u op onze homepage: https://stg.fit/statit3	TECHNICAL SUPPORT & SERVICE  +49 4621 4210-944  service-int@fitshop.de  You can find the opening hours on our homepage: https://stg.fit/statita
PL	AT	CH
DZIAŁ TECHNICZNY I SERWIS  22 307 43 21 +49 4621 42 10-948  info@fitshop.pl  Godziny otwarcia można znaleźć na stronie głównej: https://stg.fit/statit6	TECHNIK & SERVICE  0800 20 20277 (Freecall) +49 4621 42 10-0  info@fitshop.at  Öffnungszeiten entnehmen Sie unserer Homepage: https://stg.fit/statitb	TECHNIK & SERVICE  0800 202 027 +49 4621 42 10-0  info@fitshop.ch  Öffnungszeiten entnehmen Sie unserer Homepage: https://stg.fit/statit9

Please find a detailed overview including address and opening hours for all stores of the Fitshop Group in Germany and abroad on the following website:

www.fitshop.com/en/stores












WE LIVE FITNESS

WEBSHOP AND SOCIAL MEDIA

Fitshop is Europe's largest specialist store for home fitness equipment with currently over 70 stores and one of the world's most renowned online mail order companies for fitness equipment. Private customers order via the 25 web shops in the respective national language or have their desired equipment assembled on site. In addition, the company supplies fitness studios, hotels, sports clubs, companies and physio practices with professional equipment for endurance and strength training.

Fitshop offers a wide range of fitness equipment from renowned manufacturers, high-quality in-house developments and comprehensive services, such as a build-up service and sports scientific advice before and after the purchase. The company employs numerous sports scientists, fitness trainers and competitive athletes.

Visit us also on our social media platforms or our blog!

	www.fitshop.co.uk www.fitshop.de/blog
	www.facebook.com/fitshopgroup
	www.instagram.com/fitshopgroup/
	www.youtube.com/@fitshop_uk
	
	
	
	
	
	
	

Notes

Notes

KETTLER

KETTLER OPTIMA 100