



## Einhell TC-JS 80/1 Jigsaw Instruction Manual

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*Einhell TC-JS 80/1 Jigsaw Instruction  
Manual*

# Einhell

## TC-JS 80/1

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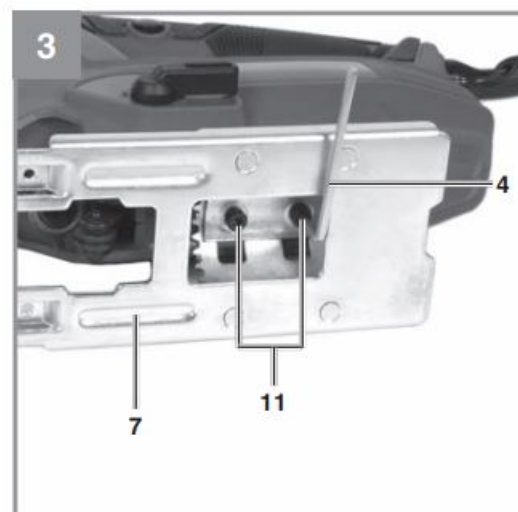
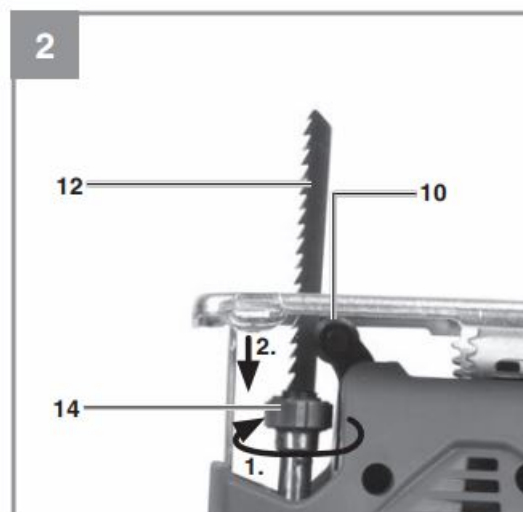
Original operating instructions  
Jigsaw

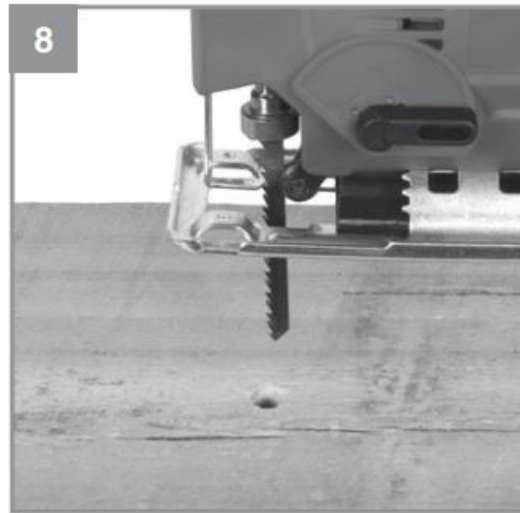
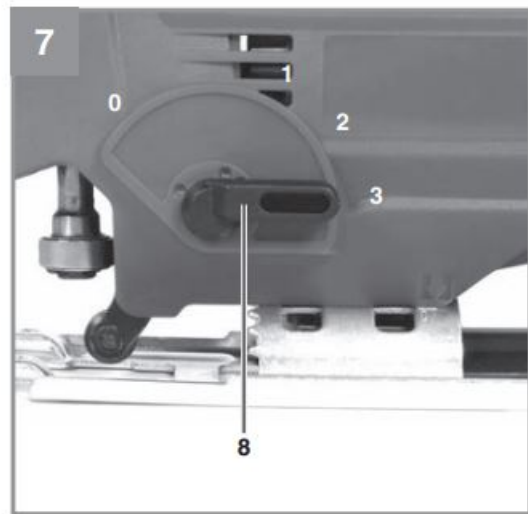
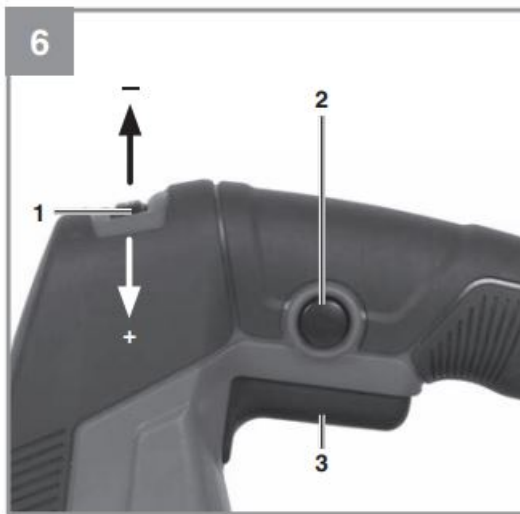
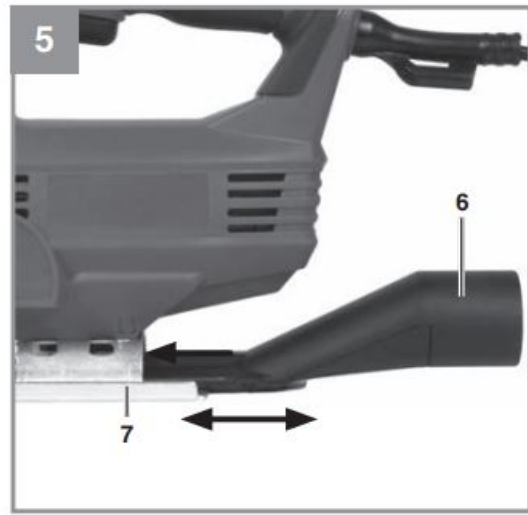
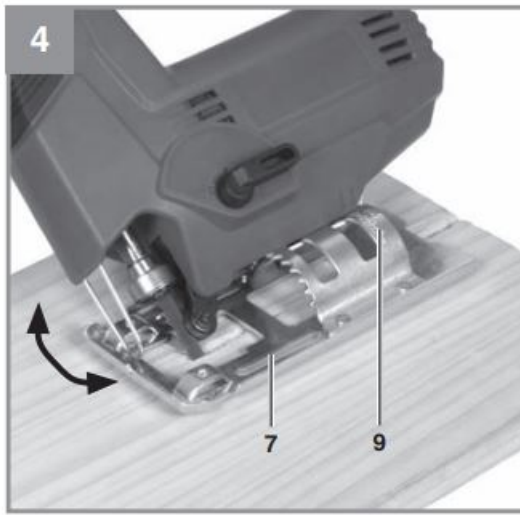


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I.-Nr.: 11016







**Danger!** - Read the operating instructions to reduce the risk of injury



**Caution! Wear ear-muffs.** The impact of noise can cause damage to hearing.



**Caution! Wear a breathing mask.** Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos!



**Caution! Wear safety goggles.** Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.

**Danger!** When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

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## 1. Safety regulations

The corresponding safety information can be found in the enclosed booklet. **Warning!** Read all the safety information, instructions, illustrations and technical data provided on or with this power tool. Failure to adhere to the following instructions may result in electric shock, fire and/or serious injury. Keep all the safety information and instructions in a safe place for future use.

## 2. Layout and items supplied

### 2.1 Layout (Fig. 1/2)

- 1. Knurled screw for speed control
- 2. Locking button
- 3. ON/OFF switch
- 4. Hexagon key
- 5. Power cable
- 6. Adapter for dust extraction system
- 7. Adjustable soleplate
- 8. Selector switch for pendulum action

9. Dial scale for soleplate
10. Guide roller
11. Screw for soleplate
12. Saw blade (it is not included in delivery)
13. Safety guard
14. Blade holder

## **2.2 Items supplied**

Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the service information at the end of the operating instructions.

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

**Danger!**

The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

- Electronic jigsaw
- Hexagon key
- Adapter for dust extraction system
- Original operating instructions
- Safety instructions

## **3. Proper use**

The jigsaw is designed for sawing wood, iron, non-ferrous metals and plastics using the appropriate saw blades.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

## **4. Technical data**

Mains voltage: ..... 220-240 V ~ 50 Hz  
Power input: ..... 550 W  
Stroke speed: ..... 1000 - 3000 min<sup>-1</sup>  
Stroke height: ..... 20 mm  
Cutting depth, wood: ..... 80 mm  
Cutting depth, plastic: ..... 20 mm  
Cutting depth, iron: ..... 10 mm  
Miter cut: ..... up to 45° (left and right)  
Protection class: ..... II/□  
Weight: ..... 2.1 kg

### **Danger!**

#### **Sound and vibration**

Sound and vibration values were measured in accordance with EN 62841.

$L_{pA}$  sound pressure level ..... 87.3 dB(A)  
 $K_{pA}$  uncertainty ..... 3 dB  
 $L_{WA}$  sound power level ..... 98.3 dB(A)  
 $K_{WA}$  uncertainty ..... 3 dB

#### **Wear ear-muffs.**

The impact of noise can cause damage to hearing.

Total vibration values (vector sum of three directions) determined in accordance with EN 62841.

#### **Sawing wood**

Vibration emission value  $a_h = 7.962 \text{ m/s}^2$  K uncertainty = 1.5 m/s<sup>2</sup>

#### **Sawing metal**

Vibration emission value  $a_h = 9.041 \text{ m/s}^2$  K uncertainty = 1.5 m/s<sup>2</sup>

The stated vibration emission levels and stated noise emission values were measured in accordance with a set of standardized criteria and can be used to compare one power tool with another.

The stated vibration emission levels and stated noise emission values can also be used to make an initial assessment of exposure.

#### **Warning:**

The vibration and noise emission levels may vary from the level specified during actual use, depending on the way in which the power tool is used, especially the type of workpiece it is used for.

**Keep the noise emissions and vibrations to a minimum.**

- Only use appliances which are in perfect working order.
- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.
- Wear protective gloves.

**Caution!**

Residual risks Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be ruled out. The following hazards may arise in connection with the equipment's construction and layout:

1. Lung damage if no suitable protective dust mask is used.
2. Damage to hearing if no suitable ear protection is used.
3. Health damage caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

**5. Before starting the equipment**

Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.

**Warning!**

Always pull the power plug before making adjustments to the equipment.

**5.1 Safety guard (Fig. 1/Item 13)**

- The safety guard (13) protects the user from accidentally touching the saw blade (12) and nevertheless enables you a free view of the cutting area.

**5.2 Changing the saw blade (Fig. 2/Item 12) Danger!**

- Pull the mains plug before you fit or replace a saw blade.
- Set the selector switch for pendulum action (8) to position 3. The teeth of the saw blade are very sharp!
- Press the blade holder (14) and insert the saw blade (12) into the blade holder (14) as far as the stop (Fig. 2). The teeth on the saw blade must be pointing forwards.
- Allow the blade holder (14) to slide back to starting position.
- The saw blade (12) must sit in the guide roller (10). Check that the saw blade (12) is securely mounted in the blade holder.
- Follow the instructions above in reverse order to remove the saw blade.

Warning! Hold the saw blade securely while releasing it because otherwise it may jump out of the blade holder.

**5.3 Setting the soleplate formatter cuts (Figs. 3-4)**

- Use the hexagon key (4) to loosen the screws for the soleplate (11) on the bottom of the adjustable soleplate (7) (Figure 3).
- Pull the sole plate (7) backwards slightly. The soleplate can now be swivelled a maximum 45° to the left and right.
- If the soleplate (7) is pushed back to the front again it will only function in the locking positions at 0°, 15°, 30° and 45°, which are marked on the graduated scale for the soleplate (9) (Figure 4). Move the soleplate into the required position and refasten the screw securing the soleplate (11).
- However, the soleplate (7) is also easily set to another angle. To do so, move the soleplate (7) to the rear, set the desired angle and refasten the screw



securing the soleplate (11).

#### 5.4 Adapter for dust extraction system (Figure 5/Item 6)

- Connect your jigsaw to a vacuum cleaner using the adaptor for dust extraction (6). This will provide excellent dust extraction on the workpiece. The benefits are that you will protect both the equipment and your own health. Your work area will also be cleaner and safer.
- Dust created when working may be dangerous. Refer to the section entitled "Safety instructions".
- Attach the adaptor (6) as shown in Figure 5, so that it is securely seated in the housing.
- Fit the vacuum tube of the vacuum cleaner onto the adaptor opening (6). Check that the connections are airtight.

### 6. Operation

#### 6.1 ON/OFF switch (Fig. 6/Item 3)

**To switch on:** Press the ON/OFF switch

**To switch off:** Release the ON/OFF switch

#### 6.2 Locking button (Fig. 6/Item 2)

You can lock the ON/OFF switch (3) using the locking button (2) when the equipment is in operation. To switch off the equipment briefly hold down the ON/OFF switch (3).

#### 6.3 Electric speed selector (Fig. 6/Item 1)

You can pre-select the required speed with the speed selector. Turn the speed selector in PLUS direction to increase the speed and turn the speed selector in MINUS direction to reduce the speed. The suitable stroke speed is dependent on the relevant material and working conditions. General rules for cutting speeds for metal cutting work must be complied with here as well. You can generally use a higher speed with fine saw blades whilst coarser saw blades require lower speeds.

**Position MIN-2** = low stroke speed (for steel)

**Position 3-4** = medium stroke speed (for steel, soft metal, plastic)

**Position 5-MAX** = high stroke speed (for softwood, hardwood, soft metal, plastic)

#### 6.4 Setting the pendulum action (Fig. 7/Item 8)

- The strength of the pendulum action of the saw blade (12) can be adjusted using the selector switch for pendulum action (8).
- You can adjust the cutting speed, the cutting performance and the finish to the workpiece you wish to saw.  
Set the selector switch for pendulum action (8) to one of the following positions:

**Position 0:** No pendulum action

**Material:** Rubber, ceramic, aluminium, steel

**Please note:** For fine and clean cuts, thin materials (e.g. sheet steel) and hard materials.

**Position 1:** Small pendulum action

**Material:** Plastic, wood, aluminium **Please note:** For hard materials

**Position 2:** Medium pendulum action **Material:** Wood

**Position 3:** Large pendulum action Material: Wood

**Please note:** For soft materials and sawing along the grain

The best combination of speed and pendulum action depends on the material you wish to saw. We recommend you to make a trial cut on a waste piece in order to check the ideal settings.

## 6.5 Making cuts

- Ensure that the ON/OFF switch (3) is not depressed. Only then should you connect the mains plug to a suitable socket.
- Do not switch on the jigsaw until you have fitted a saw blade.
- Use only saw blades that are in perfect condition. Replace blunt, bent or cracked saw blades immediately.
- Place the saw foot flat on the workpiece you wish to saw. Switch on the jigsaw.
- Allow the saw blade to accelerate until it reaches full speed. Then slowly move the saw blade along the cutting line. Only exert gentle pressure on the saw blade as you do so.
- When cutting metal, apply a suitable coolant along the line you wish to cut.

## 6.6 Sawing out sections (Fig. 8)

Drill a 10 mm hole in the section you wish to saw out. Insert the saw blade into this hole and start to saw out the required section.

## 6.7 Making mitre cuts

- Set the angle on the soleplate (see section 5.3).
- Observe the instructions in section 6.5.
- Cut as shown in Figure 9.

# 7. Replacing the power cable

### **Danger!**

If the power cable for this equipment is damaged, it must be replaced by the manufacturer or its after-sales service or similarly trained personnel to avoid danger.

# 8. Cleaning, maintenance and ordering of spare parts

**Danger!** Always pull out the mains power plug before starting any cleaning work.

## 8.1 Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device. The ingress of water into an electric tool increases the risk of an electric shock.

## 8.2 Carbon brushes

In case of excessive sparking, have the carbon brushes checked only by a qualified electrician. Danger! The carbon brushes should not be replaced by anyone but a qualified electrician.

### 8.3 Maintenance

There are no parts inside the equipment which require additional maintenance.

### 8.4 Ordering replacement parts:

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required

For our latest prices and information please go to [www.Einhell-Service.com](http://www.Einhell-Service.com)

## 9. Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the whereabouts of such a collection point, you should ask in your local council offices.

## 10. Storage

Store the equipment and accessories in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30 °C. Store the electric tool in its original packaging.



For EU countries only Never place any electric power tools in your household refuse. To comply with European Directive 2012/19/EC concerning old electric and electronic equipment and its implementation in national laws, old electric power tools have to be separated from other waste and disposed of in an environment-friendly fashion, e.g. by taking to a recycling depot.

Recycling alternative to the return request: As an alternative to returning the equipment to the manufacturer, the owner of the electrical equipment must make sure that the equipment is properly disposed of if he no longer wants to keep the equipment. The old equipment can be returned to a suitable collection point that will dispose of the equipment in accordance with the national recycling and waste disposal regulations. This does not apply to any accessories or aids without electrical components supplied with the old equipment.

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Subject to technical changes

### Service information

We have competent service partners in all countries named on the guarantee certificate whose contact details can also be found on the guarantee certificate. These partners will help you with all service requests such as repairs, spare and wearing part orders or the purchase of consumables.

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.

| Category      | Example                                      |
|---------------|--|
| Wear parts*   | Carbon brushes, Guide roller, Splinter guard |
| Consumables*  | Saw blade                                    |
| Missing parts |  |

\* Not necessarily included in the scope of delivery!

In the event of defects or faults, please register the problem on the internet at [www.Einhell-Service.com](http://www.Einhell-Service.com). Please ensure that you provide a precise description of the problem and answer the following questions in all cases:

- Did the equipment work at all or was it defective from the beginning?
- Did you notice anything (symptom or defect) prior to the failure?
- What malfunction does the equipment have in your opinion (main symptom)? Describe this malfunction.

### Warranty certificate

Dear Customer, All of our products undergo strict quality checks to ensure that they reach you in perfect condition. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee card. You can also contact us by telephone using the service number shown. Please note the following terms under which guarantee claims can be made:


1. These guarantee terms apply to consumers only, i.e. natural persons intending to use this product neither for their commercial activities nor for any other self-employed activities. These warranty terms regulate additional warranty services, which the manufacturer mentioned below promises to buyers of its new products in addition to their statutory rights of guarantee. Your statutory guarantee claims are not affected by this guarantee. Our guarantee is free of charge to you.
2. The warranty services cover only defects due to material or manufacturing faults on a product which you have bought from the manufacturer mentioned below and are limited to either the rectification of said defects on the product or the replacement of the product, whichever we prefer. Please note that our devices are not designed for use in commercial, trade or professional applications. A guarantee contract will not be created if the device has been used by commercial, trade or industrial business or has been exposed to similar stresses during the guarantee period.
3. The following are not covered by our guarantee: – Damage to the device caused by a failure to follow the assembly instructions or due to incorrect installation, a failure to follow the operating instructions (for example connecting it to an incorrect mains voltage or current type) or a failure to follow the maintenance and safety instructions or by exposing the device to abnormal environmental conditions or by lack of care and maintenance. – Damage to the device caused by abuse or incorrect use (for example overloading the device or the use of unapproved tools or accessories), ingress of foreign bodies into the device (such as sand, stones or dust, transport damage), the use of force or damage caused by external forces (for example by dropping it). – Damage to the device or parts of the device caused by normal or natural wear or tear or by normal use of the device.
4. The guarantee is valid for a period of 24 months starting from the purchase date of the device. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being

noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted. This also applies if an on-site service is used. 5. To make a claim under the guarantee, please register the defective device at: [www.Einhell-Service.com](http://www.Einhell-Service.com). Please keep your bill of purchase or other proof of purchase for the new device. Devices that are returned without proof of purchase or without a rating plate shall not be covered by the guarantee, because appropriate identification will not be possible. If the defect is covered by our guarantee, then the item in question will either be repaired immediately and returned to you or we will send you a new replacement.

Of course, we are also happy offer a chargeable repair service for any defects which are not covered by the scope of this guarantee or for units which are no longer covered. To take advantage of this service, please send the device to our service address.

Also refer to the restrictions of this warranty concerning wear parts, consumables and missing parts as set out in the service information in these operating instructions.

**Documents / Resources**

|  |   |
|--|---|
|  | <p><a href="#">Einhell TC-JS 80/1 Jigsaw</a> [pdf] Instruction Manual<br/>TC-JS 80-1, Jigsaw, TC-JS 80-1 Jigsaw</p> |
|--|---|

**References**

-  [Einhell Service](#)
-  [Einhell Service](#)