



Einhell TC-TS 254 U Bench-Type Circular Saw Instruction Manual

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TC-TS 254 U
Original operating instructions
Bench-type circular saw

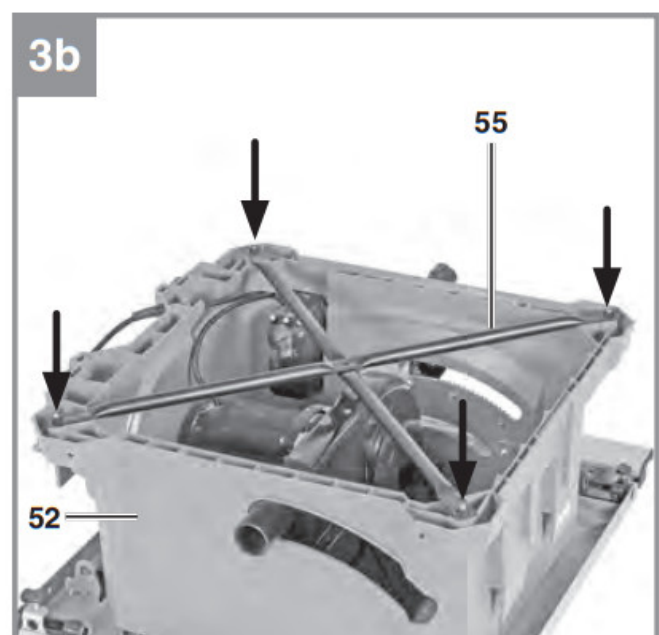
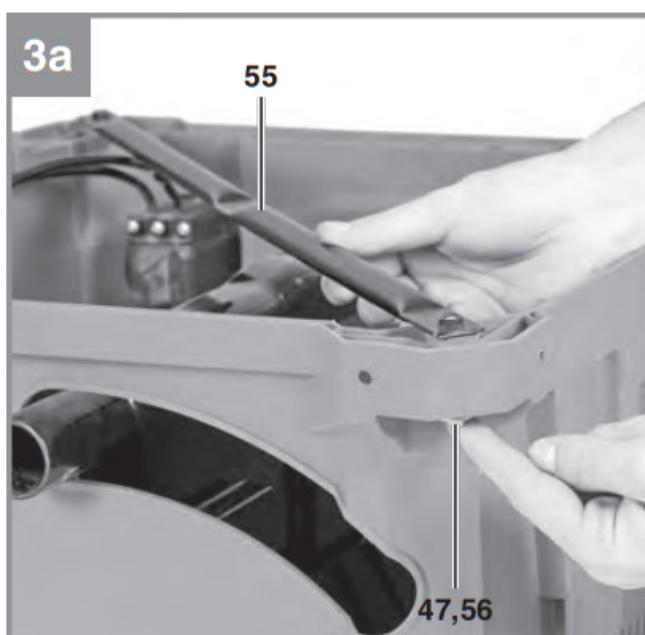
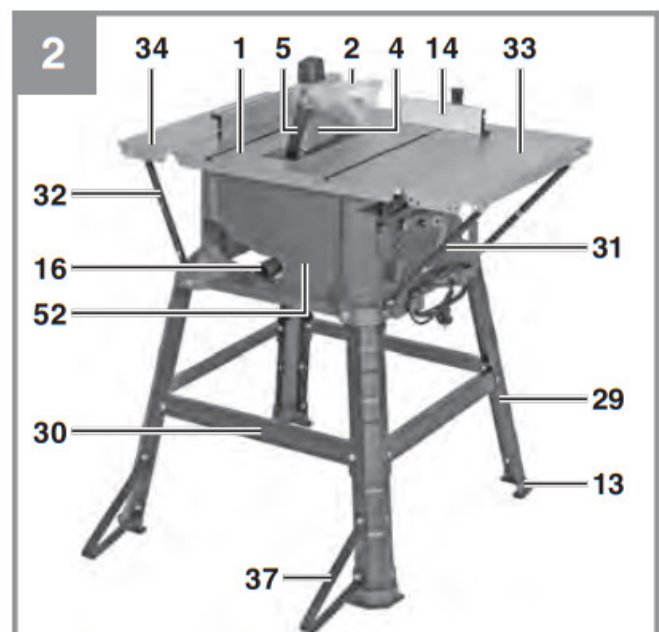
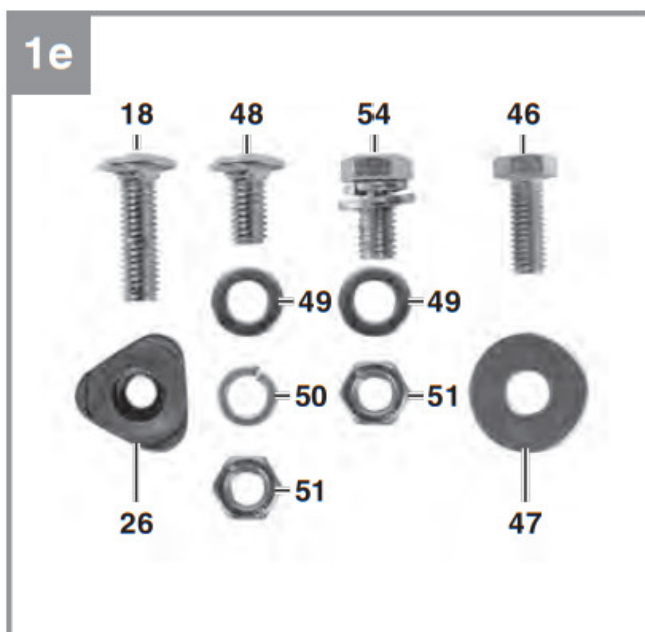
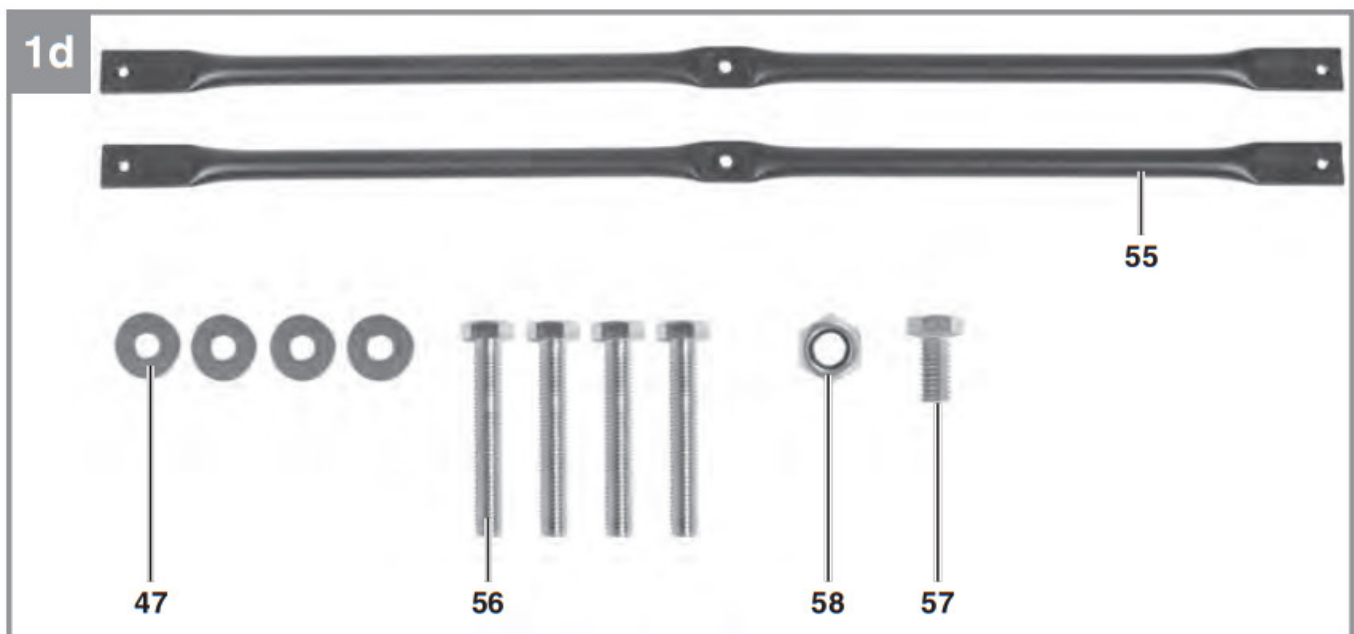
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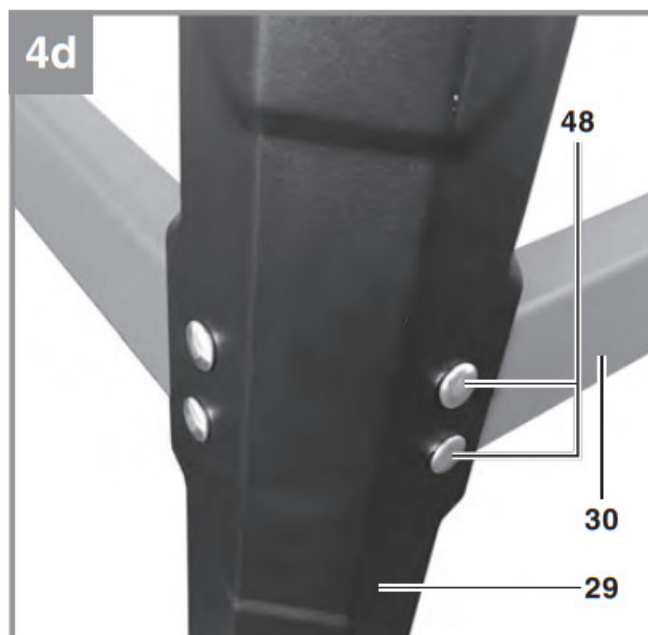
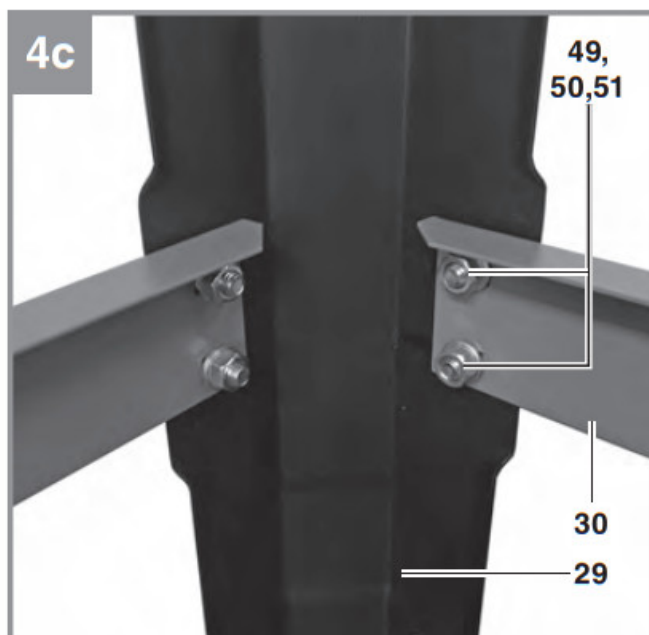
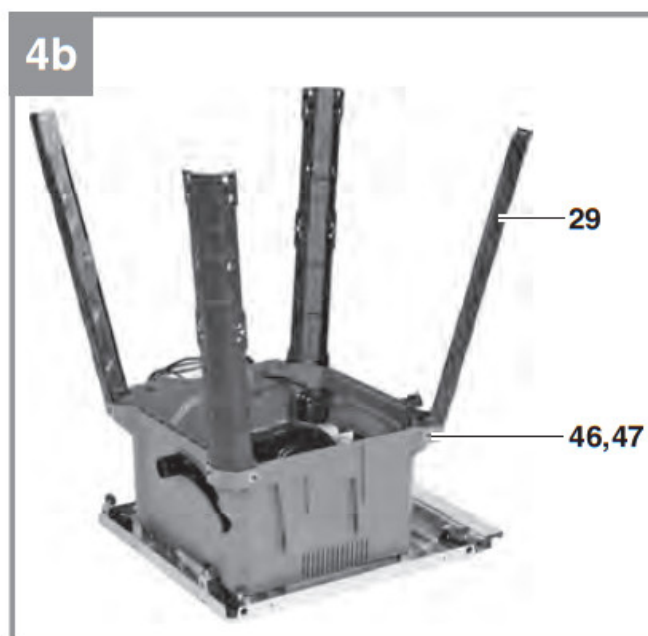
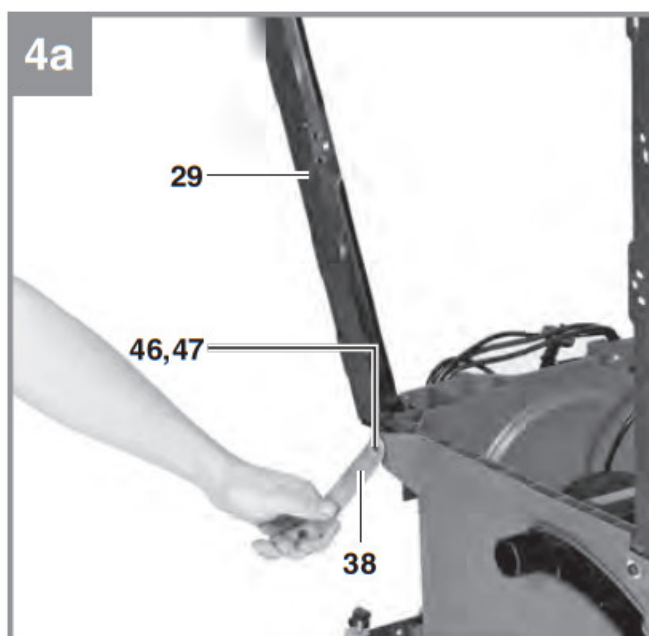
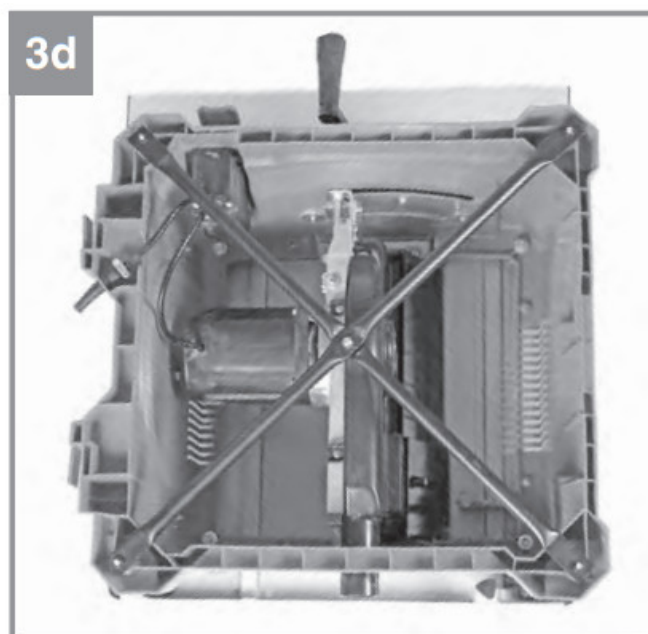
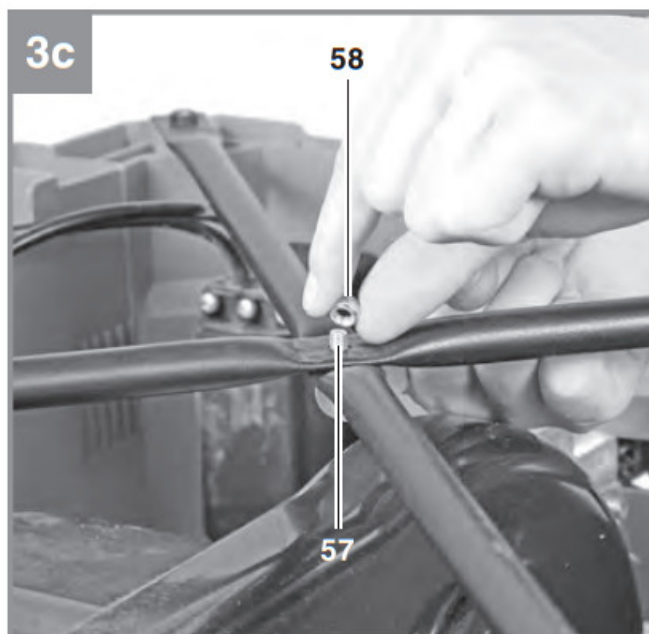
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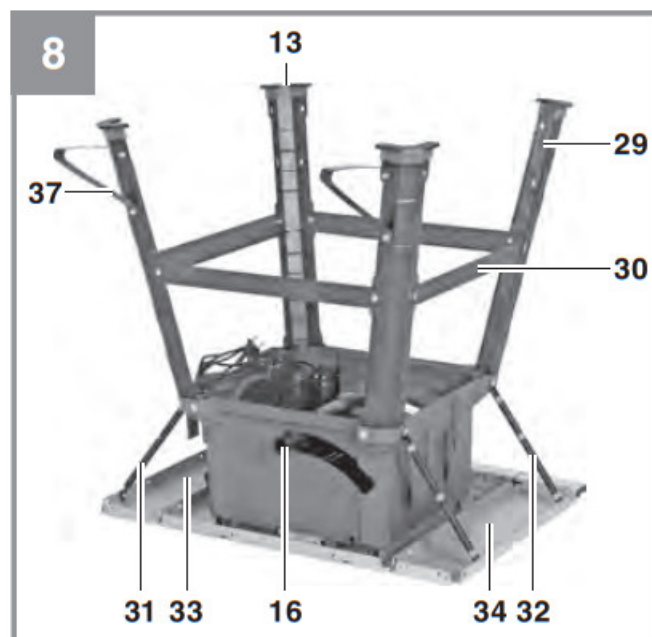
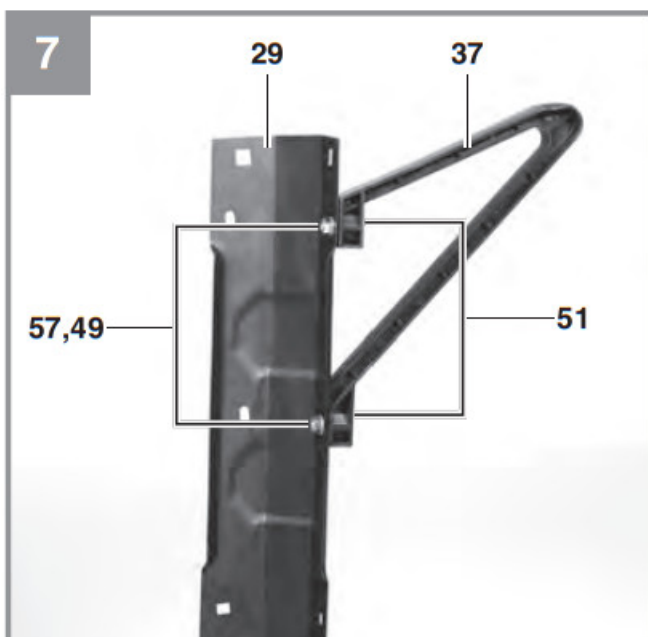
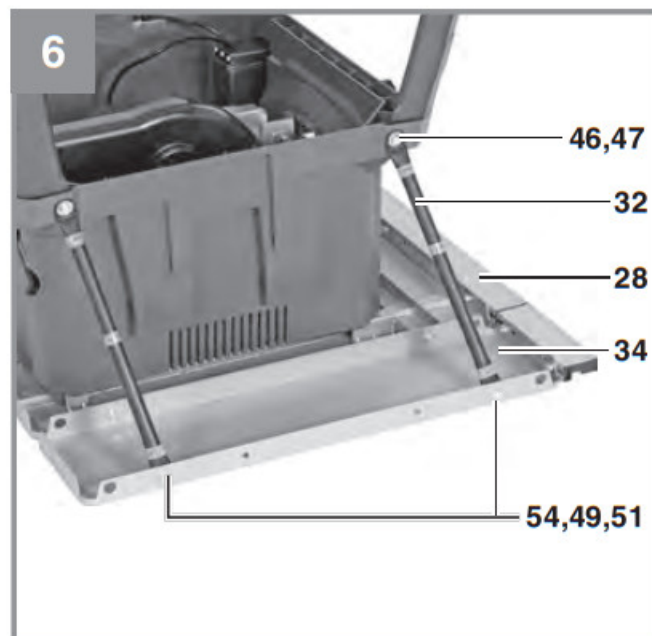
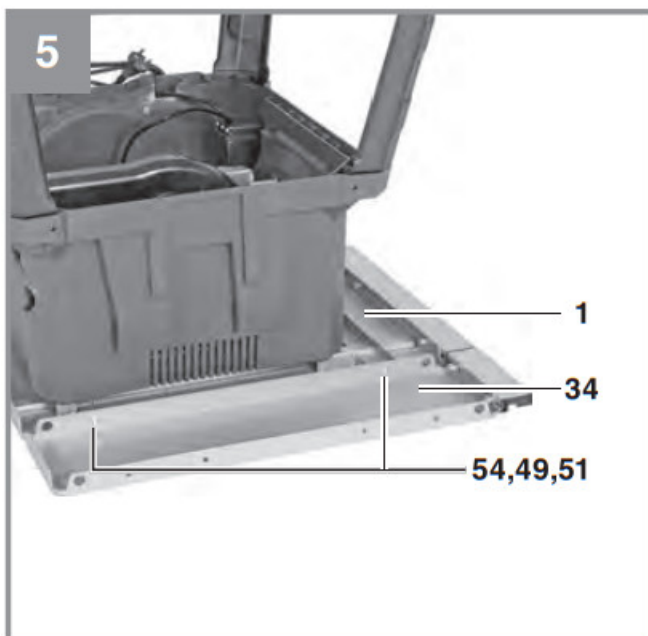
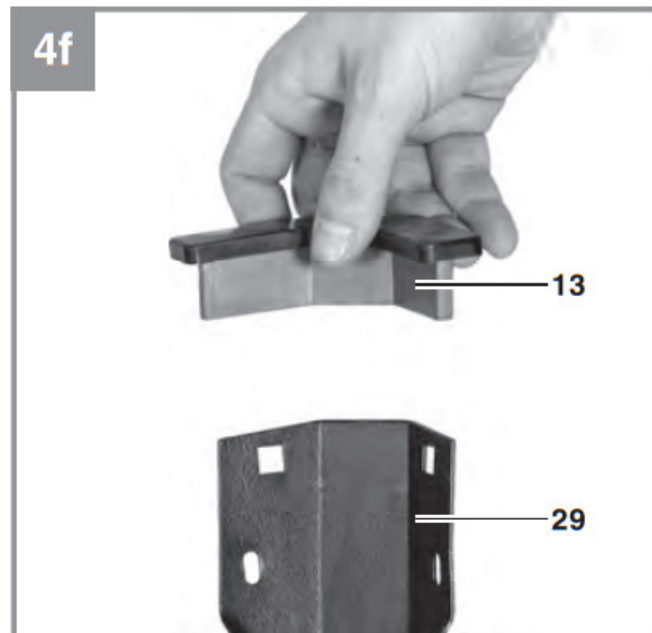
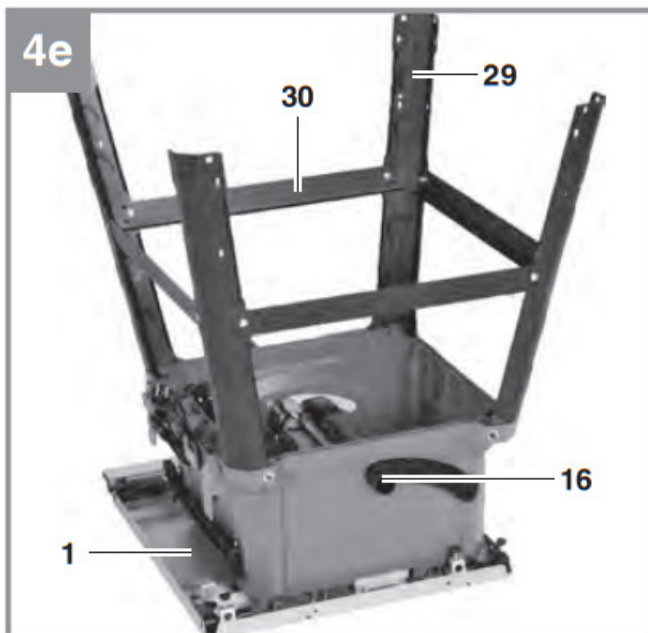
TC-TS 254 U Bench-Type Circular Saw

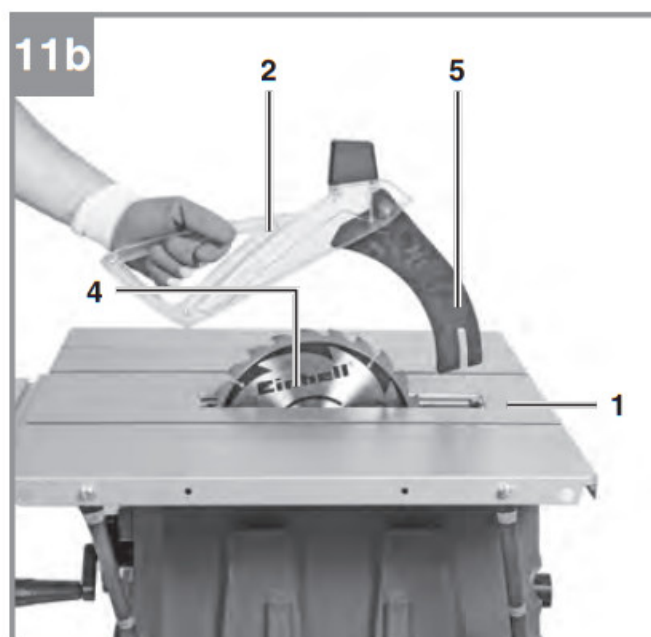
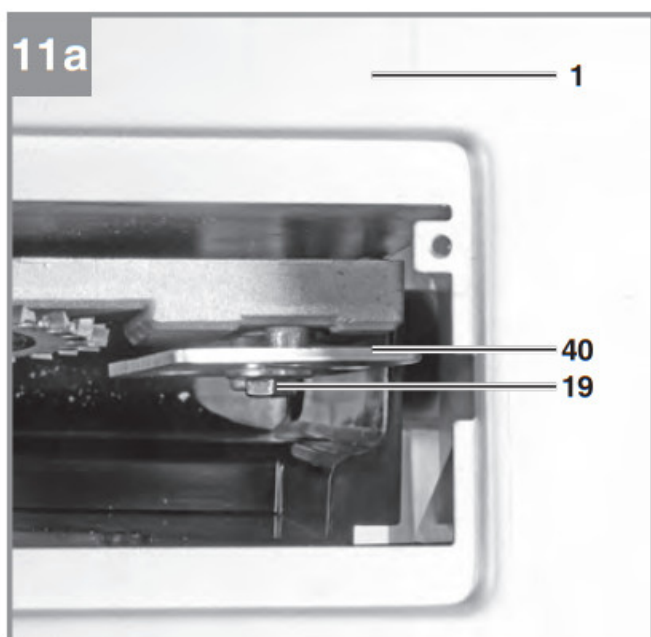
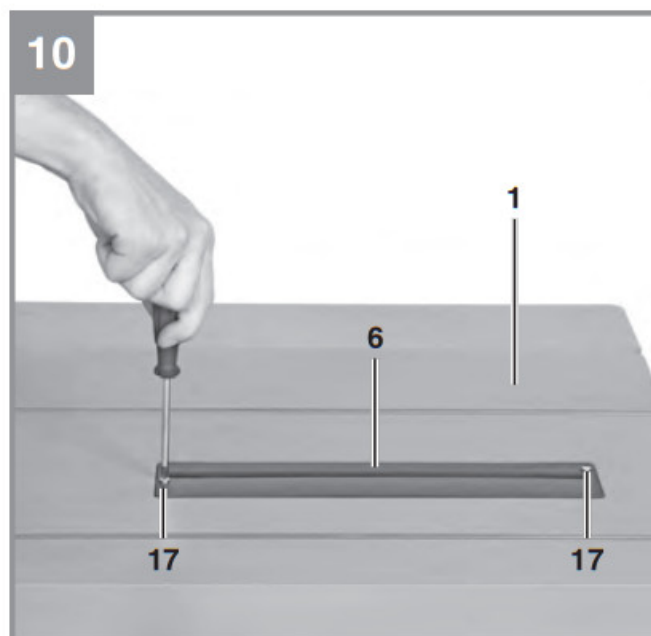
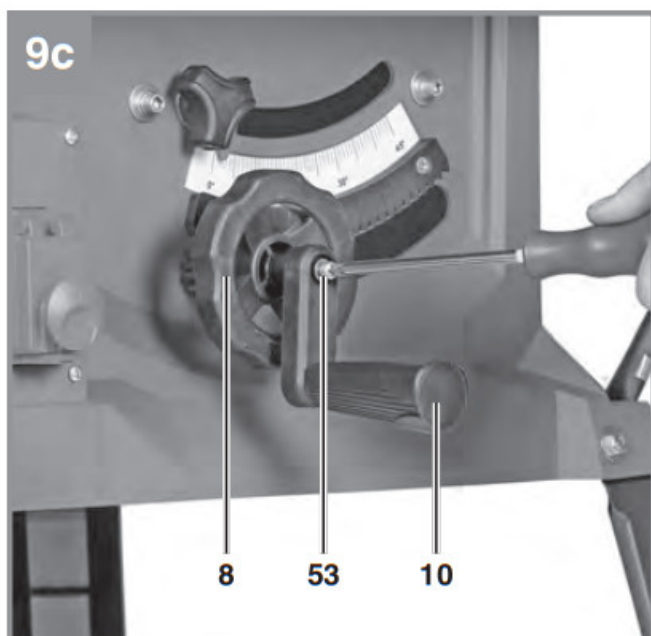
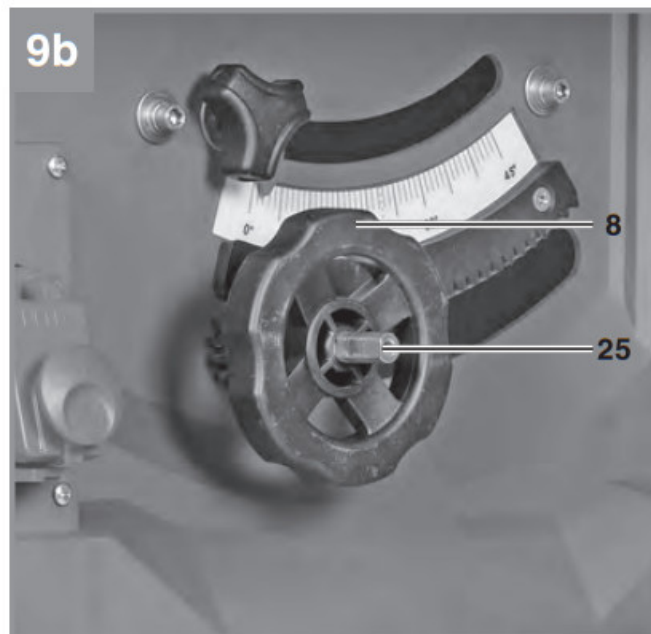
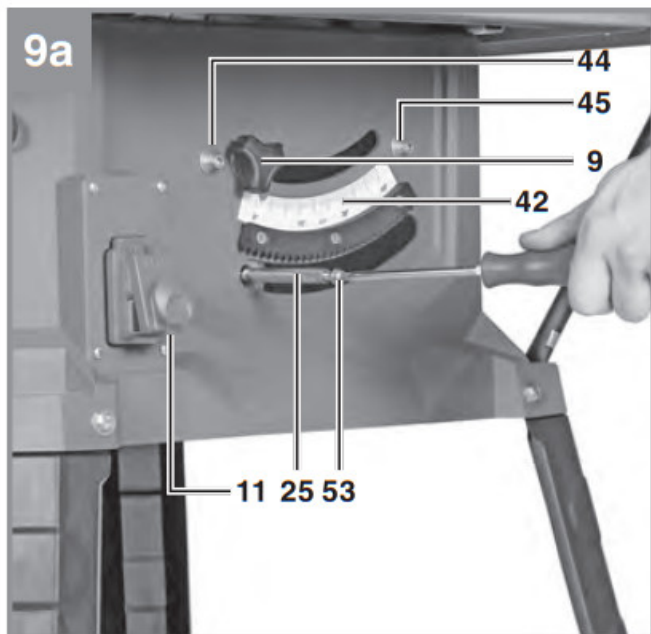


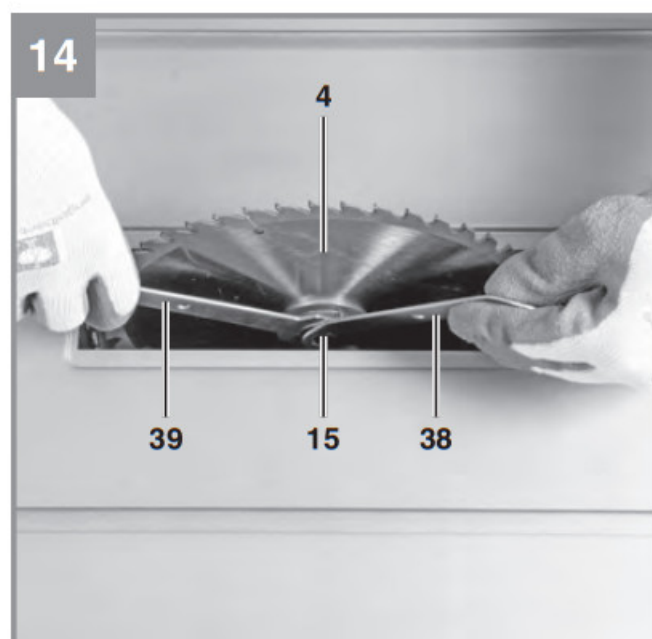
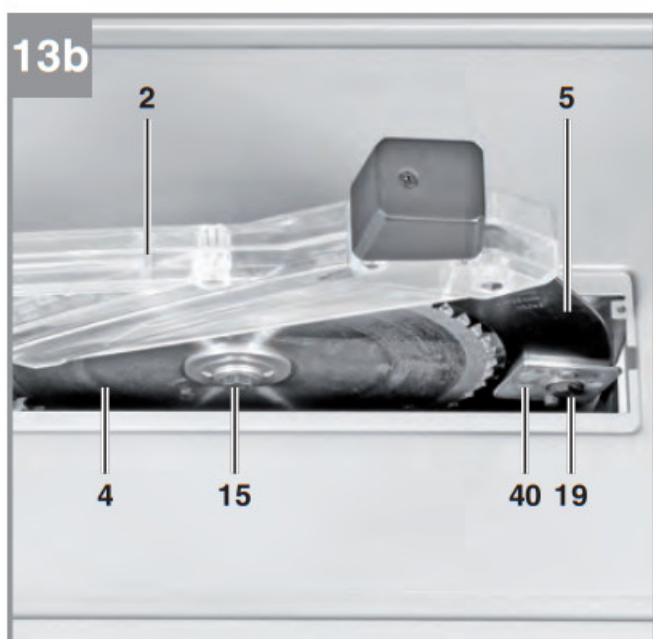
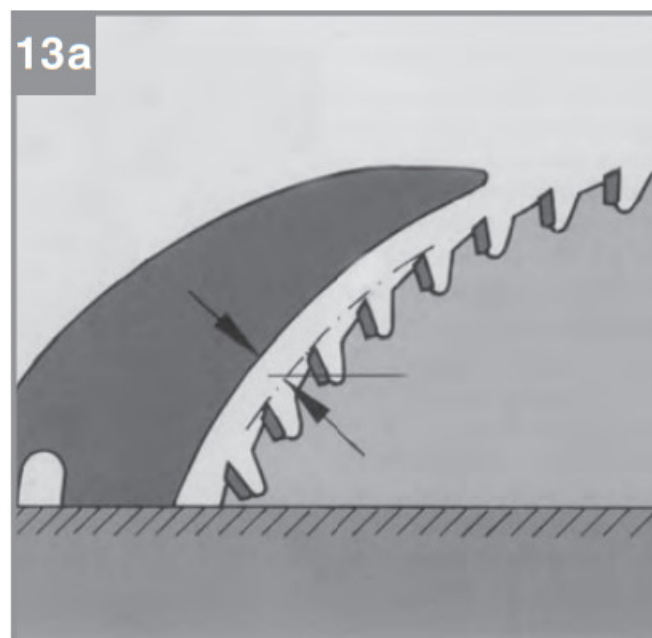
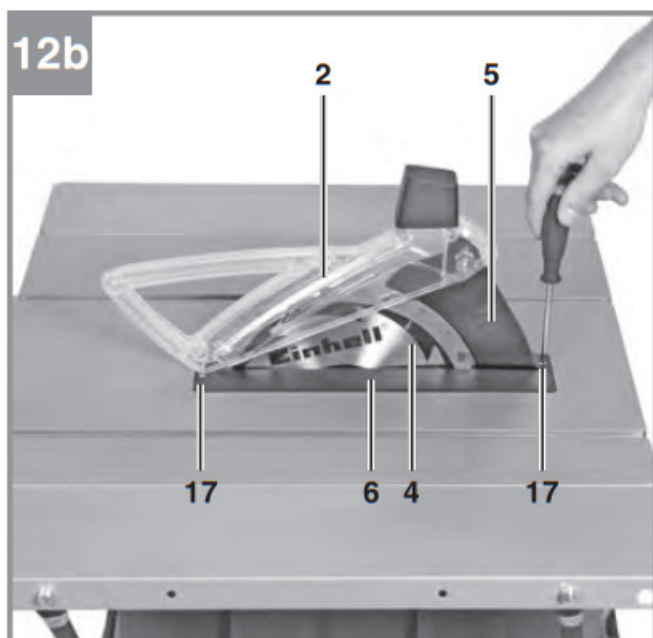
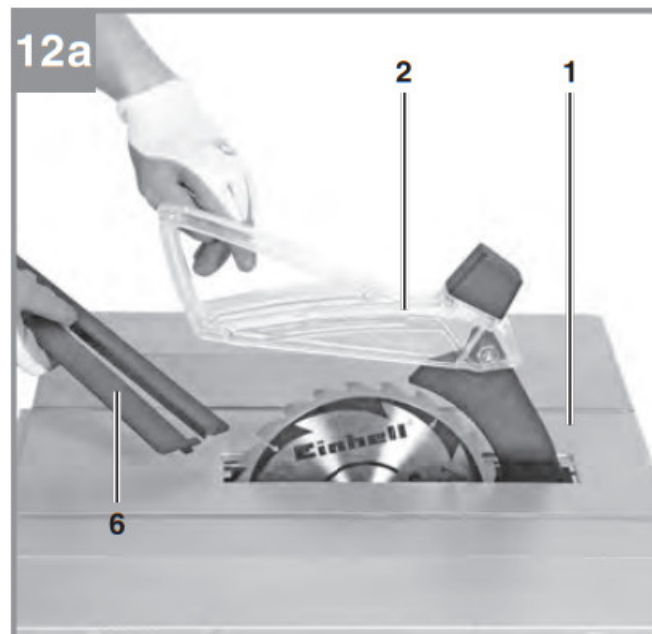
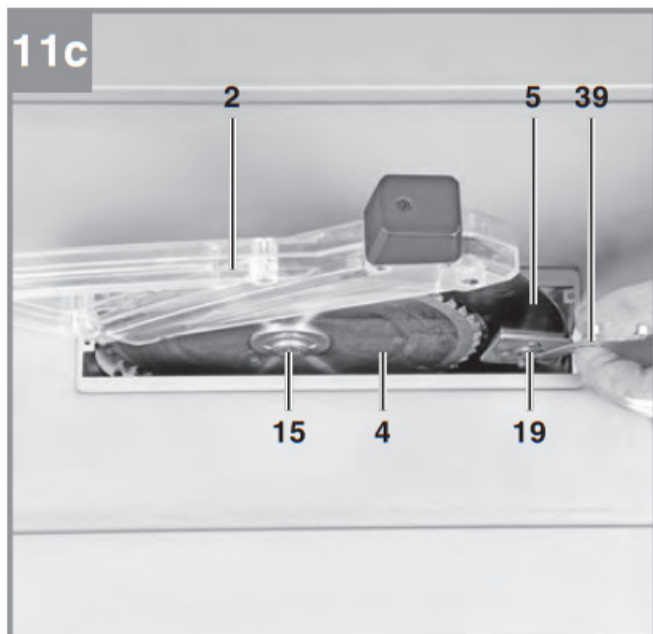
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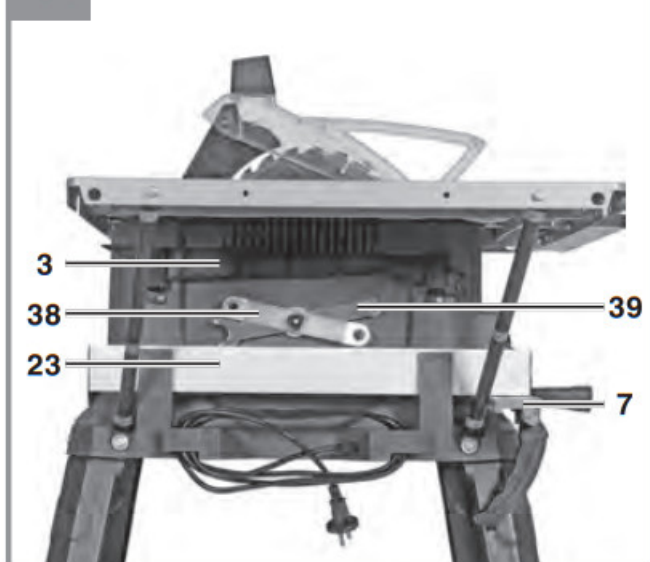




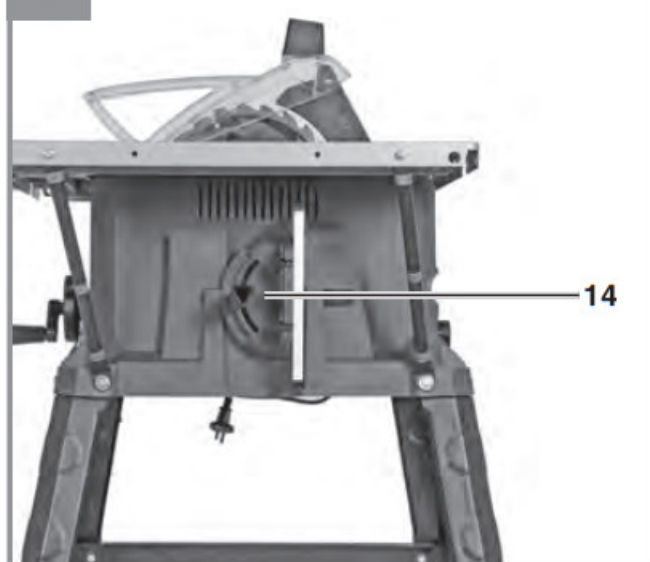




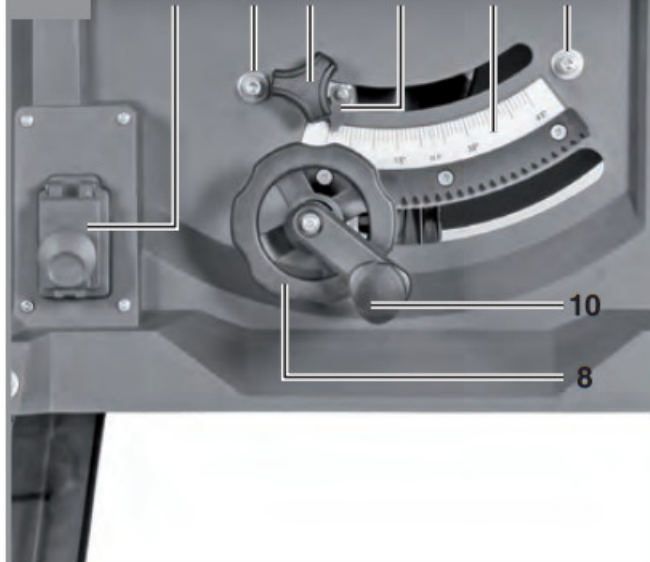
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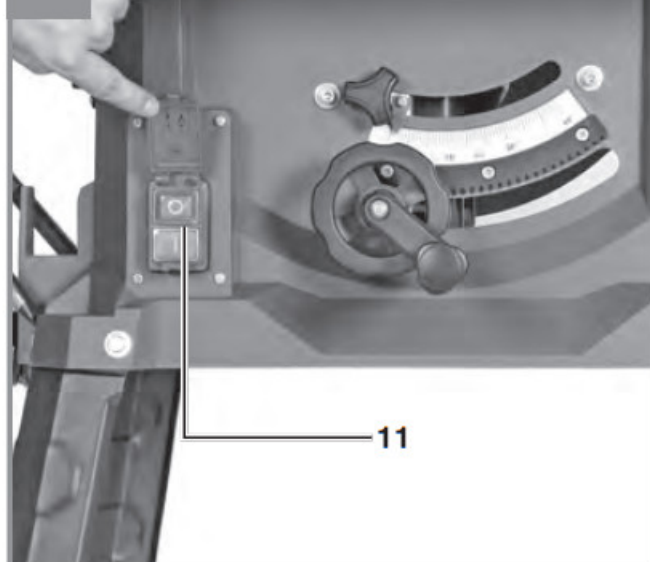
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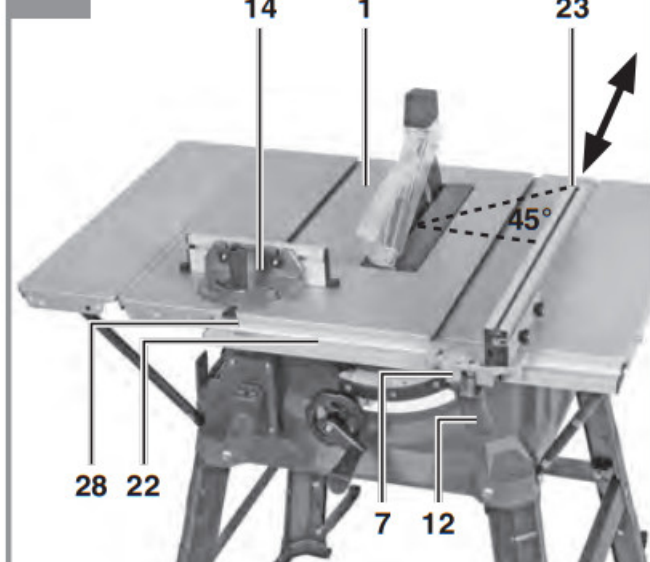
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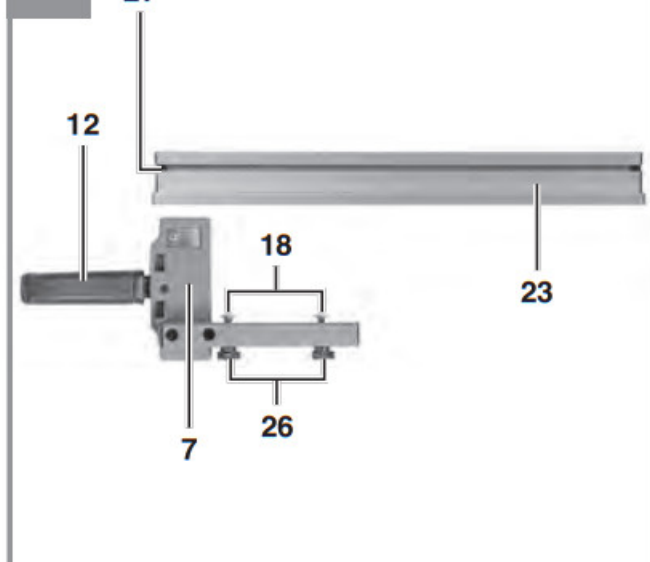
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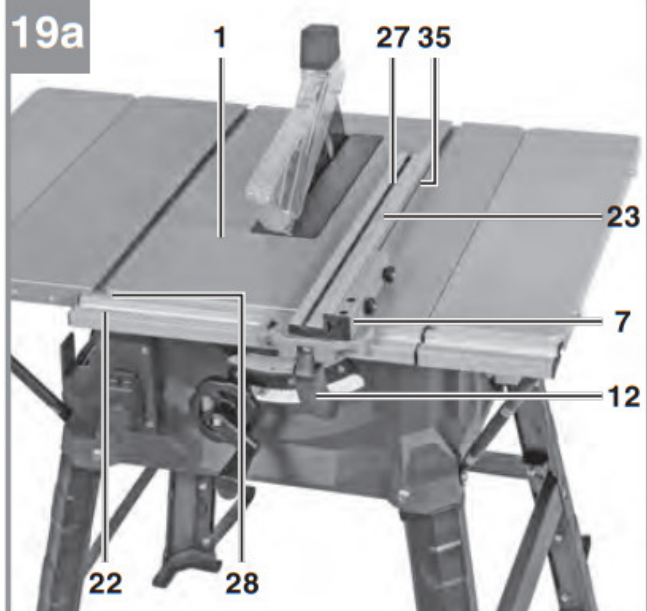
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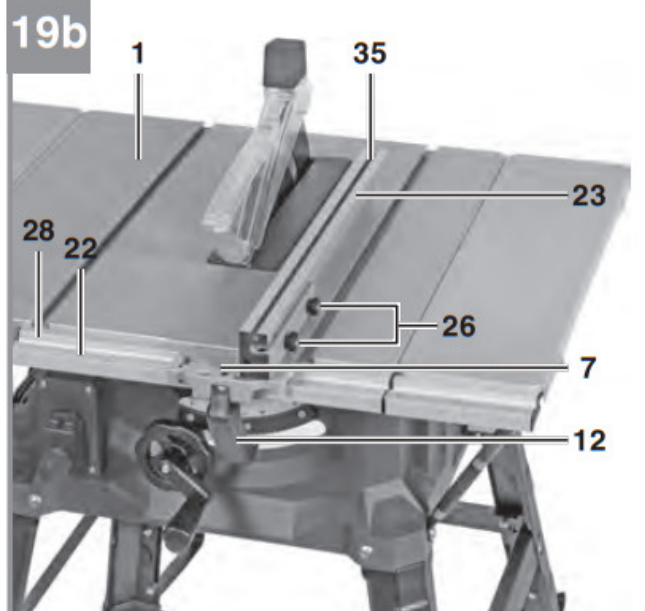
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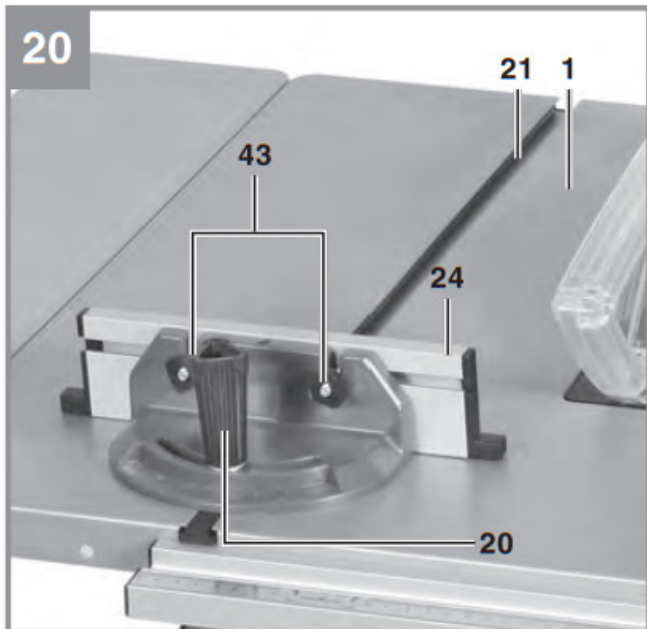
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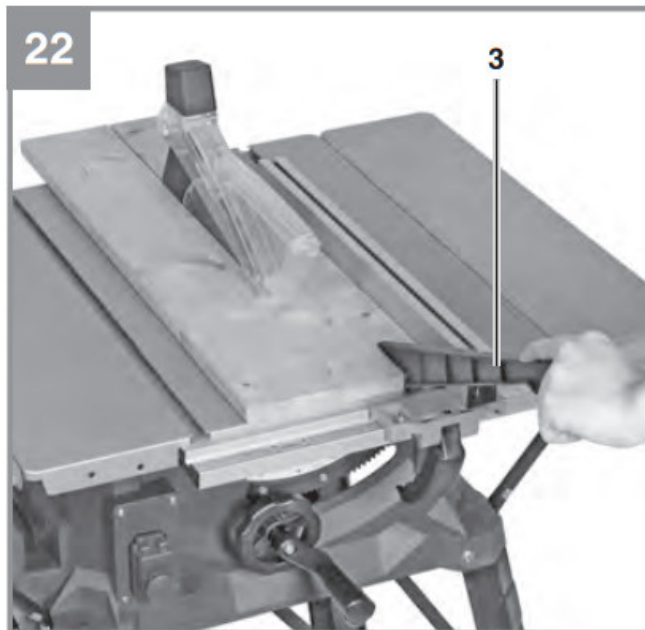
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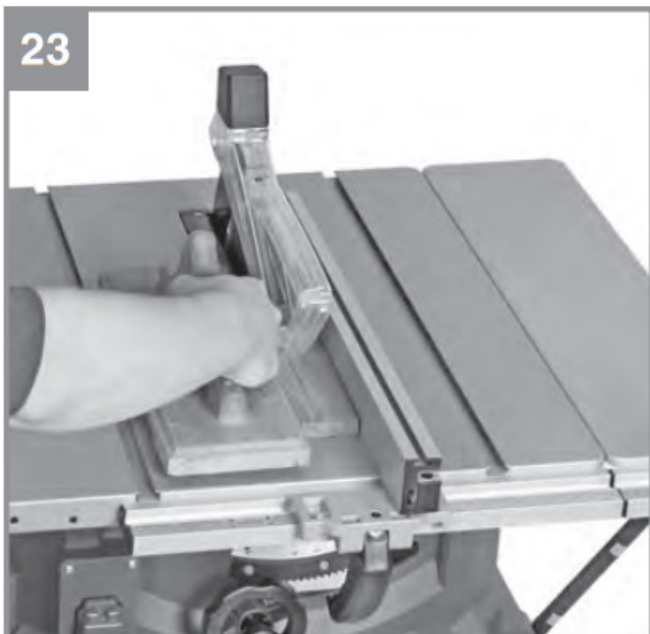
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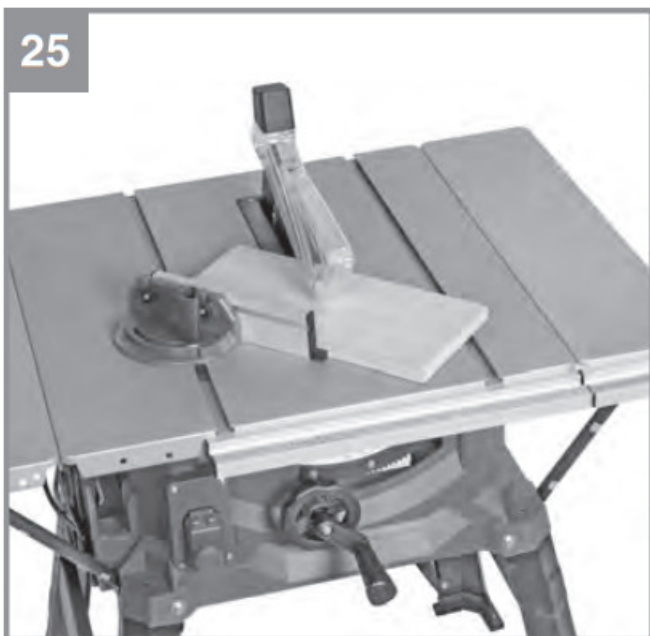
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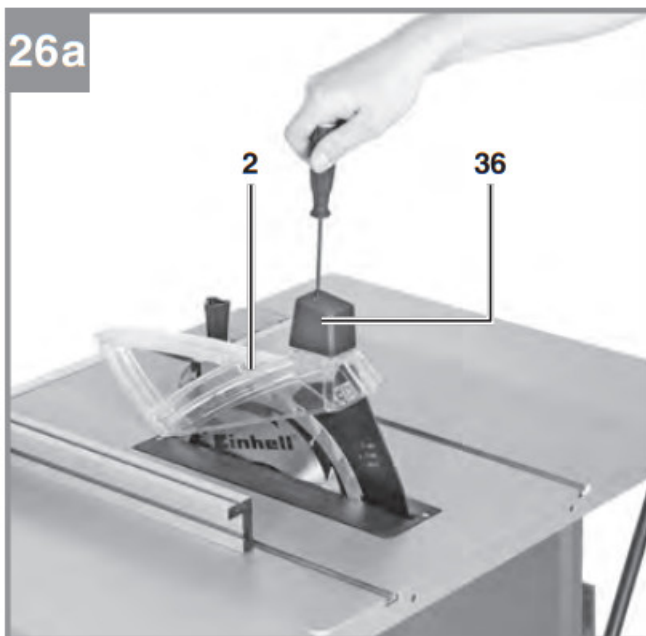
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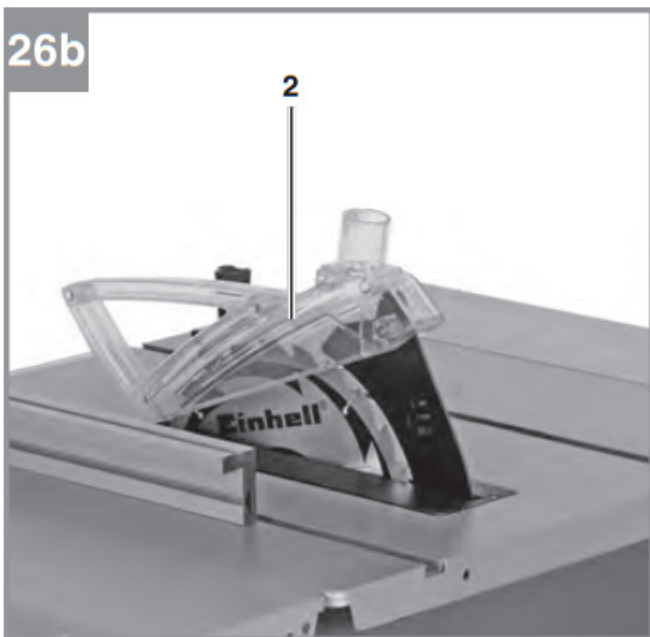
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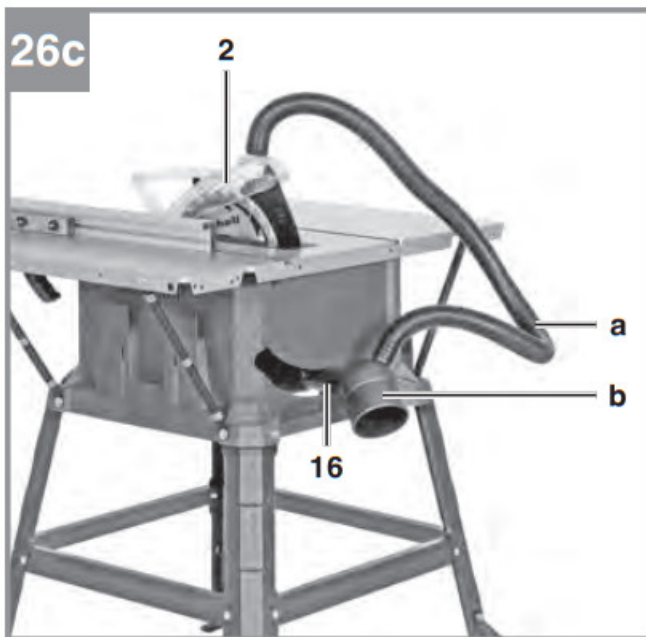
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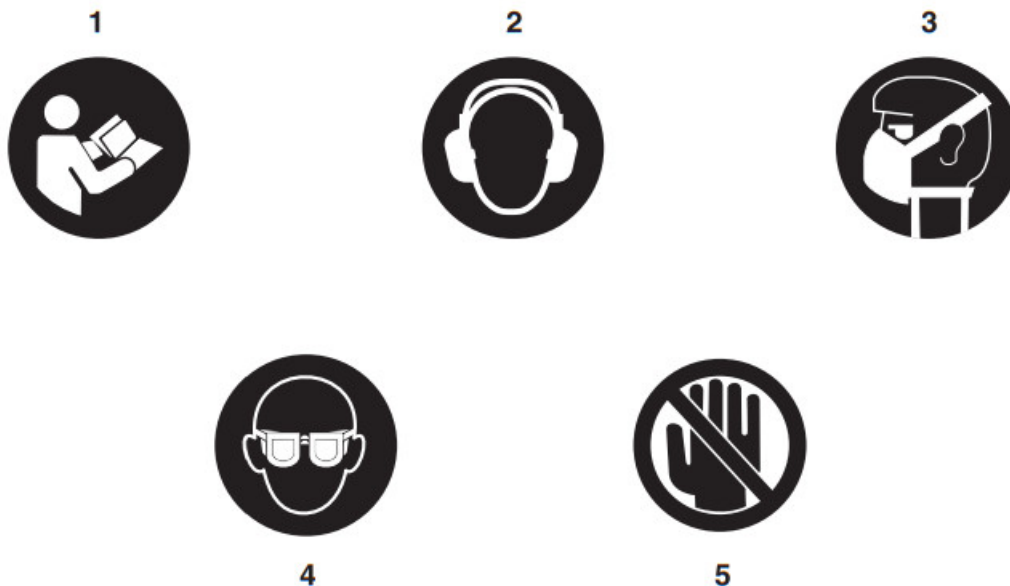


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Danger!

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.

Explanation of the symbols used (see Fig. 27)

1. **Danger!** – Read the operating instructions to reduce the risk of injury.
2. **Caution!** Wear ear-muffs. The impact of noise can cause damage to hearing.
3. **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!
4. **Caution!** Wear safety goggles. Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.
5. **Caution!** Risk of injury! Do not reach into the running saw blade.

Safety regulations

The corresponding safety information can be found in the enclosed booklet.

WARNING!

Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

Layout and items supplied

2.1 Layout (Fig. 1-26)

1. Saw table 2. Saw blade guard 3. Push stick 4. Blade 5. Splitter 6. Table insert 7. Parallel stop 8. Hand wheel 9. Locking grip for saw blade angle 10. Crank arm 11. On/Off switch 12. Eccentric lever 13. Rubber foot 14. Cross stop 15. Screw for saw blade 16. Extractor adapter on housing 17. Countersunk head screw 18. Screw for parallel stop 19. Fastening screw for splitter 20. Locking screw for cross stop 21. Slot in saw table 22. Scale (cutting width) 23. Stop rail for parallel stop 24. Stop rail for cross stop 25. Shaft 26. Knurled screw for parallel stop 27. Slot in stop rail, upright 28. Guide rail system 29. Leg	30. Cross strut 31. Strut for table width extension (left) 32. Strut for table length extension (right) 33. Table width extension (left) 34. Table width extension (right) 35. Slot in stop rail, fl at 36. Cap on saw blade guard 37. Additional leg 38. Wrench, size 10/13 mm 39. Wrench, size 10 mm 40. Fastening plate 41. Pointer (angular setting) 42. Scale (angular setting) 43. Knurled screw for cross stop 44. Adjustment screw (0°) 45. Adjustment screw (45°) 46. Hexagon screw M6x16 47. Washer, large 48. Lock bolt 49. Washer, small 50. Spring washer 51. Nut 52. Base frame 53. Screw for hand wheel/crank 54. Screw with washer and spring washer 55. Strut for base frame 56. Hexagon screw M6x45 57. Hexagon screw M6x12 58. Self-locking nut
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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!

- Saw blade guard / splitter
- Push stick
- Parallel stop
- Hand wheel
- Crank arm
- Rubber foot (4x)

- Cross stop
- Screw for parallel stop (2x)
- Stop rail for parallel stop
- Knurled screw for parallel stop (2x)
- Leg (4x)
- Cross strut (4x)
- Strut for table width extension (left) (2x)
- Strut for table length extension (right) (2x)
- Table width extension (left)
- Table width extension (right)
- Additional leg (2x)
- Wrench, size 10/13 mm
- Wrench, size 10 mm
- Hexagon screw M6x16 (8x)
- Washer, large (12x)
- Lock bolt (16x)
- Washer, small (28x)
- Spring washer (16x)
- Nut (28x)
- Screw with washer and spring washer (8x)
- Strut for base frame (2x)
- Hexagon screw M6x45 (4x)
- Hexagon screw M6x12 (5x)
- Self-locking nut
- Original operating instructions
- Safety information

Proper use

The bench-type circular saw is designed for the slitting and cross-cutting (only with the cross stop) of all types of timber commensurate with the machine's size. The equipment is not to be used for cutting any type of round wood.

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.

The equipment is to be operated only with suitable saw blades (saw blades made of HM or CV) It is prohibited to use any type of HSS saw blade and cutting-off wheel.

To use the equipment properly you must also observe the safety information, the assembly instructions and the operating instructions to be found in this manual.

All persons who use and service the equipment have to be acquainted with these operating instructions and must be informed about the equipment's potential hazards. It is also imperative to observe the accident prevention regulations in force in your area. The same applies for the general rules of health and safety at work. The manufacturer will not be liable for any changes made to the equipment nor for any damage resulting from such changes. Even when the equipment is used as prescribed it is still impossible to eliminate certain residual risk factors. The following hazards may arise in connection with the machine's construction and design:

- Contact with the saw blade in the uncovered saw zone.
- Reaching into the running saw blade (cut injuries).
- Kick-back of workpieces and parts of workpieces.
- Saw blade fracturing.
- Catapulting of faulty carbide tips from the saw blade.
- Damage to hearing if essential ear-muffs are not used.
- Harmful emissions of wood dust when used in closed rooms.

Technical data

AC motor220-240V ~ 50Hz
 Power PS1 1800 W · S6 25% 2200 W
 Idling speed no 4250 rpm
 Carbide saw blade Ø 254 x Ø 30 x 2.4 mm
 Number of teeth 24
 Table size580 x 555 mm
 Table width extension left/right580 x 150 mm
 Support surface max.580 x 855 mm
 Cutting height max. 80 mm / 90°
 55 mm / 45°
 Height adjustment infi nite 0 – 80 mm
 Tilting saw blade infi nite 0° – 45°
 Cross stop angle infi nite -45° – 45°
 Extractor connectionØ 36 mm
 Weight approx. 22,5 kg
 Protection class: II/□
 Thickness of the splitter 2.0 mm

Operating mode S6 25%: Continuous operation with idling (cycle time 10 minutes). To ensure that the motor does not become excessively hot, it may only be operated for 25% of the cycle at the specifi ed rating and must then be allowed to idle for 75% of the cycle.

Danger!

Noise

The noise emission values were measured in accordance with EN 62841.

Operation

LpA sound pressure level 93.2 dB(A)
 KpA uncertainty 3 dB(A)
 LWA sound power level 106.2 dB(A)
 KWA uncertainty 3 dB(A)

Wear ear-muffs.

The impact of noise can cause damage to hearing.

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

Warning:

The noise emission levels may vary from the level specifi ed 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.

Limit the operating time!

All stages of the operating cycle must be considered (for example, times in which the electric tools are switched off and times in which the tool is switched on but operates without load).

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.

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.

- Unpack the bench-type circular saw and check it for damage which may have occurred in transit.
- The machine has to be set up where it can stand firmly, e.g. on a work bench, or it must be bolted to a strong base.
- All covers and safety devices have to be properly fitted before the machine is switched on.
- It must be possible for the saw blade to run freely.
- When working with wood that has been processed before, watch out for foreign bodies such as nails or screws etc.
- Before you actuate the On/Off switch, make sure that the saw blade is correctly fitted and that the machine's moving parts run smoothly.

Assembly

Danger! Pull out the power plug before carrying out any maintenance, resetting or assembly work on the circular saw!

6.1 Assembling the base frame (Fig. 3-4)

Danger! Make allowance for the weight of the machine and arrange another person to help you if necessary!

- Turn the bench-type circular over and set the saw down on the floor or on some other work surface.
Important! Place suitable material (e.g. packaging material) between the table surface and the surface on which it is stood to prevent any damage to the table surface.
- **Important!** Only fasten all the screw connections between the base frame and machine loosely at first. Wait until you have returned the bench-type circular saw to its working position before tightening the screw connections securely. This is so that you can be sure the base frame is aligned level with the surface on which it is stood.

- Use the hexagon screws (56) and washers (47) to fasten the struts (55) loosely to the base frame (52). To reinforce the strut connection, mount the hexagon screw (57) and self-locking nut (58) in the middle of the two struts (55).
- Use the hexagon screws (46) and washers (47) to fasten the four legs (29) loosely to the saw.
- Then use the lock bolt (48), washer (49), spring washer (50) and nut (51) to screw the cross-struts loosely to the legs.
- Plug the rubber feet (13) onto the legs (29).

6.2 Assembling the table width extension (Fig. 5, 6)

- Use the screws (54), washers (49) and nuts (51) to fasten the table width extensions (33) and (34) loosely to the saw table (1).
- Remove the screws (46) from the base frame (52) on the left and right-hand side to enable the struts (31, 32) and the base frame to be fitted.
- **Important!** The struts for the left and righthand sides are different in length. You therefore have to fit the long struts (31) on the lefthand side of the saw table (1) and the short struts (32) on the right-hand side.
- Fasten the struts (31, 32) loosely to the base frame (52) with screws (46), but do not tighten.
- Use the screws (54), washers (49) and nuts (51) to screw the struts (31, 32) loosely to the table width extensions (33, 34).
- Align the table width extensions (33, 34) level with the saw table (1).
- Then tighten the screw connections referred to in 6.2. Use both the wrenches (38) and (39) to do this.

6.3 Standing the bench-type circular saw upright (2, 7-9)

- Turn the machine over so that it stands on its legs.
- The bench-type circular saw must be stood on a flat surface.
- Then tighten all loose screw connections. Use both the wrenches (38) and (39) to do this.
- • Screw the additional legs (37) to the rear legs (29) so that they point towards the rear of the machine. Use the screws (57), washers (49) and nuts (51) to fasten them.
- **Warning!** Do not fit the additional legs (37) too far away from the surface on which the machine stands; they are intended to provide protection against tipping over.
- Remove the screw (53) from the shaft (25).
- Slide the hand wheel (8) and then the crank (10) onto the shaft (25) as shown in Fig. 9.
- **Important!** The shaft (25) and the crank (10) engage with a positive fit, i.e. the flat surface on the shaft (25) and the flat surface in the hub of the crank (10) must lie on top of each other to enable the crank (10) to be slid on.
- Secure the hand wheel (8) and crank (10) with the screw (53).

6.4 Changing the table insert (Figure 12)

- To prevent increased likelihood of injury, the table insert should be changed whenever it is worn or damaged.
- Remove the countersunk head screws (17).
- Remove the worn table insert (6) by pulling it out through the opening at the back past the splitter (5) and the saw blade (4).

- Fit the replacement table insert by following the above in reverse.

6.5 Fitting / removing the splitter together with the saw blade guard (Fig. 10 – 13)

- Remove the table insert (6) by undoing the countersunk head screws (17) (see 6.4).
- Using the crank (10) set the saw blade (4) to the maximum cutting depth.
- Slacken the fastening screw (19) until the gap between the fastening plate (40) and the support surface opposite is approx. 5 mm.
- **Caution!** Do not completely undo the fastening plate (40).
- Insert the splitter (5) together with the saw blade guard in the gap, push it right down as far as it goes and then secure it with the fastening screw (19). Make sure that the splitter has been fitted straight and not wobbly.
- The splitter (5) must be positioned in the center along an imaginary line extending behind the saw blade (4), so that it is not possible for the material to get jammed.
- The gap between the blade (4) and the splitter (5) should be 3 mm to 8 mm. (Fig. 13)
- Push the table insert (6) through the opening at the back over the saw blade (4) and the splitter (5) and insert it in the saw table (1).
- Use countersunk head screws (17) to fasten the table insert (6).
- To dismantle, proceed in reverse order.

6.6 Fitting/changing the saw blade (Fig. 14)

- Before changing the saw blade: Pull out the power plug!
- Wear work gloves to prevent injury when changing the saw blade.
- Using the crank (10) set the saw blade (4) to the maximum cutting depth.
- Remove the table insert (6) by undoing the countersunk head screw (17) (see 6.4).
- Remove the splitter (5) together with the saw blade guard (2) (see 6.5).
- Undo the screw (15) with a wrench (38) on the screw (15) itself and a second wrench (39) on the motor shaft to apply counterpressure.
- **Caution!** Turn the screw (15) in the direction of rotation of the saw blade.
- Take off the outer flange and pull the old saw blade (4) off the inner flange.
- Clean the blade flange thoroughly before fitting the new blade.
- Fit and fasten the new saw blade (4) in reverse order.
- **Important!** Note the running direction. The cutting angle of the teeth must point in running direction, i.e. forwards (see the arrow on the blade guard).
- Refit and set the splitter (5) and the saw blade guard (2) (see 6.5.)
- Check to make sure that all safety devices are properly mounted and in good working condition before you begin working with the saw again.
- **Warning!** Every time that you change the saw blade, check that the saw blade guard (2) opens and closes again in accordance with requirements. Also check that the saw blade (4) spins freely in the saw blade guard (2).
- **Warning!** Every time that you change the saw blade (4), check to see that it spins freely in the table insert (6) in both perpendicular and 45° angle settings.
- **Warning!** You should replace the table insert (6) immediately whenever it is worn or damaged (see 6.4).
- **Warning!** The work to change and align the saw blade (4) must be carried out correctly.

6.7 Putting away loose parts (Fig. 15)

- When not in use, the parallel stop (7), push stick (3) and the two wrenches (38+39) can be secured as shown in Fig. 15a.
- The cross stop (14) can be secured as shown in Fig. 15b.

6.8 Connection for dust extractor (Fig. 2, 26)

A connection for a dust extractor is provided on the extractor adapter on the housing (16) and on the saw blade guard (2).

6.8.1 Dust extraction using a wet & dry vac (Fig. 2):

- A wet & dry vac is not supplied with the product and is available as an accessory.
- Connect the wet & dry vac to the extractor adapter on the housing (16).

6.8.2 Dust extraction using a vacuum extraction system and extractor adapter set (Fig. 26):

- The product is not supplied with an extractor adapter set with suction hose (a) and adapter (b) or a vacuum extraction system, which are available as accessories.
- Using a crosstip screwdriver, undo the screw on the cap (36) on the saw blade guard (2).
- Remove the cap (36) from the saw blade guard (2).
- Connect the adapter (b) to the extractor adapter on the housing (16).
- Connect the saw blade guard (2) and the adapter (b) to the suction hose (a).
- A vacuum extraction system can now be connected to the 100 mm diameter of the adapter (b).

Using the saw

7.1 ON/OFF switch (Fig. 1, 16 / Item 11)

- The On/Off switch is covered by an additional cap. This has to be opened to switch on the saw.
- To turn the saw on, press the green button „I“. Wait for the blade to reach its maximum speed of rotation before commencing with the cut.
- To turn the equipment off again, press the red button „0“.

7.2 Cutting depth (Fig. 1, 16)

Turn the crank (10) to set the blade (4) to the required cutting depth.

Turn anti-clockwise:

smaller cutting depth

Turn clockwise:

larger cutting depth

7.3 Parallel stop

The parallel stop (7) has to be used when making longitudinal cuts in wooden workpieces.

7.3.1 Stop height (Fig. 18, 19)

- The parallel stop (7) supplied with the benchtype circular saw has two different guide faces.
- For thin material you must use the stop rail (23) as shown in Fig. 19a, for thick material you must use the stop rail as shown in Fig. 19b.

- To change over the stop rail (23) to the lower guide face you have to slacken the two knurled screws (26).
- Remove the two screws (18) from the parallel stop through the one slot (27) in the stop rail (23).
- Thread the two screws (18) into the other slot (35) in the stop rail (23) and slide the stop rail (23) back onto the parallel stop.
- Retighten the two knurled screws (26) in order to fix the stop rail (23).
- The procedure for changing over to the high guide face is the same.
- **Warning!** When in use, the stop rail (23) must always be screwed to the side of the parallel stop (7) which faces the saw blade.

7.3.2 Cutting width (Fig. 17)

- The parallel stop (7) can be mounted on either side of the saw table (1).
- The parallel stop (7) has to be mounted in the guide rail (28) of the saw table (1).
- The parallel stop (7) can be set to the required dimension with the help of the scale (22) on the guide rail (28).
- You can clamp the parallel stop in the required position by pressing the eccentric lever (12).

7.3.3 Setting the stop length (Fig. 17, 18)

- The stop rail (23) can be moved in longitudinal direction in order to prevent the workpiece from becoming jammed.
- Rule of thumb: The rear end of the stop comes up against an imaginary line that begins roughly at the center of the blade and runs at an angle of 45° to the rear.
- Set the required cutting width
 - Slacken the knurled screws (26) and push the stop rail (23) forward until it touches the imaginary 45° line.
 - Retighten the knurled screws (26).

Warning! The gap between the saw table (1) and the underside of the stop rail (23) must not be too large in order to prevent the material getting jammed. To adjust the distance, the parallel stop (7) must be fastened first using the eccentric lever (12). Then slacken the knurled screws (26), lower the stop rail (23) down to the saw table (1) and secure the knurled screws (26) again afterwards.

7.4 Cross stop (Fig. 20)

The cross stop (14) has to be used when making cross cuts in wooden workpieces.

- Slide the cross stop (14) into the slot (21) of the saw table.
- Undo the locking screw (20).
- Turn the stop rail (24) until the arrow points to the angle required.
- Re-tighten the fastening screw (20).
- Check the gap between the stop rail (24) and the saw blade (4).
- **Warning!** Do not push the stop rail (24) too far toward the blade. The distance between the stop rail (24) and the blade (4) should be approx. 2 cm.
- If necessary, slacken the two knurled screws (43) and adjust the stop rail (24).
- Retighten the knurled screws (43).

7.5 Setting the angle of the saw blade (Fig. 16)

- Undo the locking grip (9).
- To adjust the angle of the saw blade, press the hand wheel (8) towards the machine and turn it at the same time until the pointer (41) is aligned with the desired angular setting on the scale (42).
- Secure the locking grip (9) again.
- If needed, the end stop for adjusting the angle of the saw blade can be readjusted for 0° and 45°. To do this, adjust the two adjustment screws (44) and (45).

Operation

Warning!

- After every new adjustment we recommend you to make a trial cut in order to check the new settings.
- After switching on the saw, wait for the blade to reach its maximum speed of rotation before commencing with the cut.
- Take extra care when starting the cut!
- Never use the equipment without the suction function.
- Regularly check and clean the suction channels.

8.1 Making longitudinal cuts (Figure 21)

Longitudinal cutting (also known as slitting) is when you use the saw to cut along the grain of the wood. Press one edge of the workpiece against the parallel stop (7) while the fl at side lies on the saw table (1). The guard hood (2) must always be lowered over the workpiece.

When you make a longitudinal cut, never adopt a working position that is in line with the cutting direction.

- Set the parallel stop (7) in accordance with the workpiece height and the desired width. (See 7.3.)
- Switch on the saw.
- Place your hands (with fingers closed) flat on the workpiece and push the workpiece along the parallel stop (7) and into the blade (4).
- Guide at the side with your left or right hand (depending on the position of the parallel stop) only as far as the front edge of the guard hood.
- Always push the workpiece through to the end of the splitter (5).
- The offcut piece remains on the saw table (1) until the blade (4) is back in its position of rest.
- Secure long workpieces against falling off at the end of the cut (e.g. with a roller stand etc.).

8.1.1 Cutting narrow workpieces (Fig. 22)

Be sure to use a push stick (3) when making longitudinal cuts in workpieces smaller than 150 mm in width. A push block is supplied with the saw! Replace a worn or damaged push stick immediately.

8.1.2 Cutting extremely narrow workpieces (Fig. 23)

- Be sure to use a push block when making longitudinal cuts in very narrow workpieces with a width of 50 mm and less.
- The low guide face of the parallel stop is best used in this case.
- There is no push block supplied with the saw! (Available from your specialist dealer). Replace the push block without delay when it becomes worn.

8.2 Making bevel cuts (Fig. 24)

Bevel cuts must always be used using the parallel stop (7).

If you tilt the saw blade (4) to the left when making angular cuts, position the parallel stop (7) on the right-hand side of the saw blade (4). Guide the workpiece between the saw blade (4) and the parallel stop (7).

- Set the blade (4) to the desired angle. (See 7.5.)
- Set the parallel stop (7) in accordance with the workpiece width and height (see 7.3)
- Carry out the cut in accordance with the workpiece width (see 8.1.1., 8.1.2.)

8.3 Making cross cuts (Fig. 25)

- Slide the cross stop (21) into one of the grooves (21) in the table and adjust to the required angle. (See 7.4.) If you also want to tilt the blade (4), use the groove (21) which prevents your hand and the cross stop from making contact with the blade guard.
- Press the workpiece firmly against the cross stop (14).
- Switch on the saw.
- Push the cross stop (14) and the workpiece toward the blade in order to make the cut.
- **Warning!** Always hold the guided part of the workpiece. Never hold the part which is to be cut off.
- Push the cross stop (14) forward until the workpiece is cut all the way through.
- Switch off the saw again. Do not remove the offcut until the blade has stopped rotating.

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.

Cleaning, maintenance and ordering of spare parts

Danger!

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

10.1 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.

10.2 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.

10.3 Maintenance

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

10.4 Ordering spare parts and accessories

Please provide the following information when ordering spare parts:

- Type of unit

- Article number of the unit
- ID number of the unit
- Spare part number of the required spare part

For our latest prices and information please go to www.Einhell-Service.com



<http://accessory.kwb.eu/>

Tip! For good results we recommend high-quality accessories from



www.kwb.eu

welcome@kwb.eu

10.5 Transport

Only ever transport the machine by lifting it by the saw table. Never use the safety devices such as the saw blade guard and stop rails for handling or transporting purposes.

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.

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.

Please note that batteries and lamps (e.g. light bulbs) must be removed from the tool before it is disposed of.

The reprinting or reproduction by any other means, in whole or in part, of documentation and papers accompanying products is permitted only with the express consent of the Einhell Germany AG.

Subject to technical changes

- The product meets the requirements of EN 61000-3-11 and is subject to special connection conditions. This means that use of the product at any freely selectable connection point is not allowed.
- Given unfavorable conditions in the power supply the product can cause the voltage to fluctuate temporarily.
- The product is intended solely for use at connection points that a) do not exceed a maximum permitted supply impedance $Z_{\text{sys}} = 0.25 + j0.25$, or b) have a continuous current-carrying capacity of the mains of at least 100 A per phase.
- As the user, you are required to ensure, in consultation with your electric power company if necessary, that the connection point at which you wish to operate the product meets one of the two requirements, a) or b), named above.

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*	V-belt, carbon brushes, table insert, push stick
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.

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. 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 to 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.



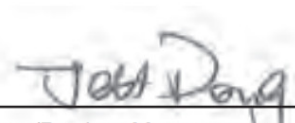
Declaration of conformity: We declare conformity in accordance with the EU directive and standards for article **Tischkreissäge* TC-TS 254 U (Einhell)**

<input type="checkbox"/> 2014/29/EU <input type="checkbox"/> 2005/32/EC_2009/125/EC <input type="checkbox"/> (EU)2015/1188 <input type="checkbox"/> 2014/35/EU <input type="checkbox"/> 2006/28/EC <input checked="" type="checkbox"/> 2014/30/EU <input type="checkbox"/> 2014/32/EU <input type="checkbox"/> 2014/53/EU <input type="checkbox"/> 2014/68/EU <input type="checkbox"/> (EU)2016/426 Notified Body: <input type="checkbox"/> (EU)2016/425 <input checked="" type="checkbox"/> 2011/65/EU_(EU)2015/863	<input checked="" type="checkbox"/> 2006/42/EC <input checked="" type="checkbox"/> Annex IV Notified Body: TÜV SÜD Product Service GmbH, Zertifizieren (NB 0123), Ridlerstr. 65 D-80339 München, Germany Reg. No.: M6A 024192 1883 Rev.00 <input type="checkbox"/> 2000/14/EC_2005/88/EC <input type="checkbox"/> Annex V <input type="checkbox"/> Annex VI Noise: measured LWA = dB (A); guaranteed LWA = dB (A) P = KW; L/Ø = cm Notified Body: <input type="checkbox"/> 2012/46/EU_(EU)2016/1628 Emission No.:
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**Standard references: EN 62841-1; EN 62841-3-1;
 EN 55014-1; EN 55014-2; EN 61000-3-2; EN 61000-3-11**
 ISC GmbH · Eschenstraße 6 · D-94405 Landau/Isar
 Landau/Isar, den 27.06.2022



 Andreas Weichselgartner/General-Manager



 Jeff Dong/Product-Management

First CE: 19 Art.-No.: 43.405.10 I.-No.: 21022 Subject to change without notice	Archive-File/Record: NAPR028204 Documents registrar: Korbinian Wasmeier Wiesenweg 22, D-94405 Landau/Isar
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Bench-type circular saw



Declaration of conformity

We, Einhell UK Ltd

Champions Business Park, First Floor Unit 10, Arrowe Brook Rd, Upton, Wirral CH49 0AB, United Kingdom
 declare the conformity to UK standards and legislation was assessed for:

Table Saw TC-TS 254 U (Einhell)

UK legislation

- ☐ Simple Pressure Vessels (Safety) Regulation
- ☐ Electrical Equipment (Safety) Regulation
- ☐ Radio Equipment Regulation
- ☐ Personal Protective Equipment Regulation
- ☐ The Ecodesign for Energy-Related Products and Energy Information Regulation
- ☒ The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulation
- ☐ Noise Emission in the Environment by Equipment for use Outdoors Regulation

Noise: measured LWA = dB (A); guaranteed LWA = dB (A)

☒ Supply of Machinery (Safety) Regulation 2008

☒ Annex IV

UK Approved Body: Technology International (Europe) Limited; 56 Shrivenham Hundred Business Park
 Shrivenham, Swindon, SN6 8TY, UK; UK Approved Body Number 0673

UKTE Certificate No.: TI(E) / SOMSR(08) – UKTE / 24 / 03092021

☒ Electromagnetic Compatibility Regulation

☐ Measuring Instruments Regulation

☐ Pressure Equipment (Safety) Regulation

**Standard References: BS EN 62841-1; BS EN 62841-3-1; BS EN 55014-1;
BS EN 55014-2; BS EN 61000-3-2; BS EN 61000-3-11**

Wirral, 2022.06.27


Tom Chambers, Managing Director Einhell UK Ltd.


Article Number: 43.405.10 **I.-No.:** 21022

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Documents registrar: Korbinian Wasmeier
Wiesenweg 22, 94405 Landau/Isar, Germany

Documents / Resources

	<p>Einhell TC-TS 254 U Bench-Type Circular Saw [pdf] Instruction Manual TC-TS 254 U, TC-TS 254 U Bench-Type Circular Saw, Bench-Type Circular Saw, Circular Saw, Saw</p>
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References

-  [Einhell Service](#)
-  [VICE - VICE is the definitive guide to enlightening information.](#)
-  [Einhell Service](#)
-  [kwb Germany GmbH](#)