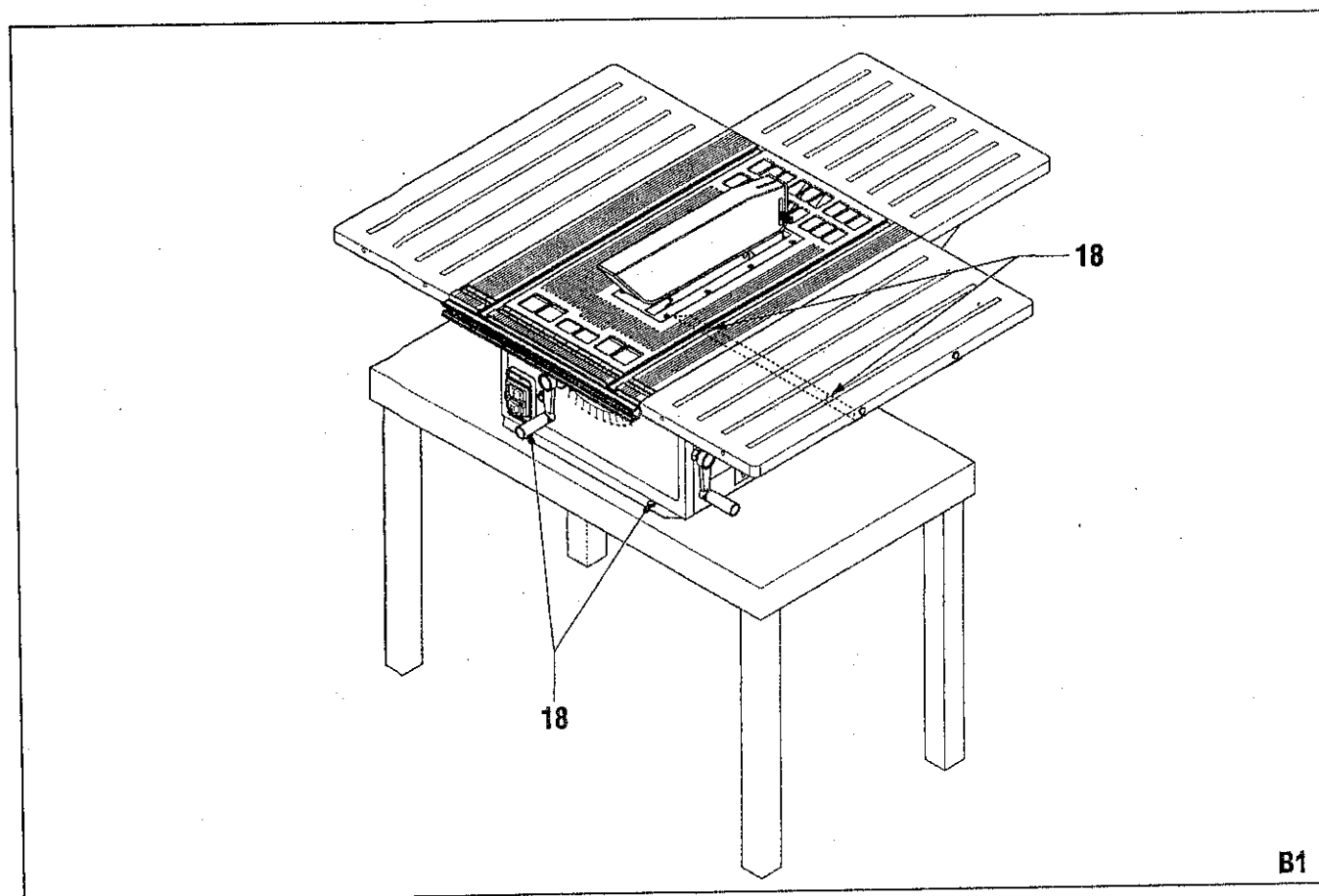
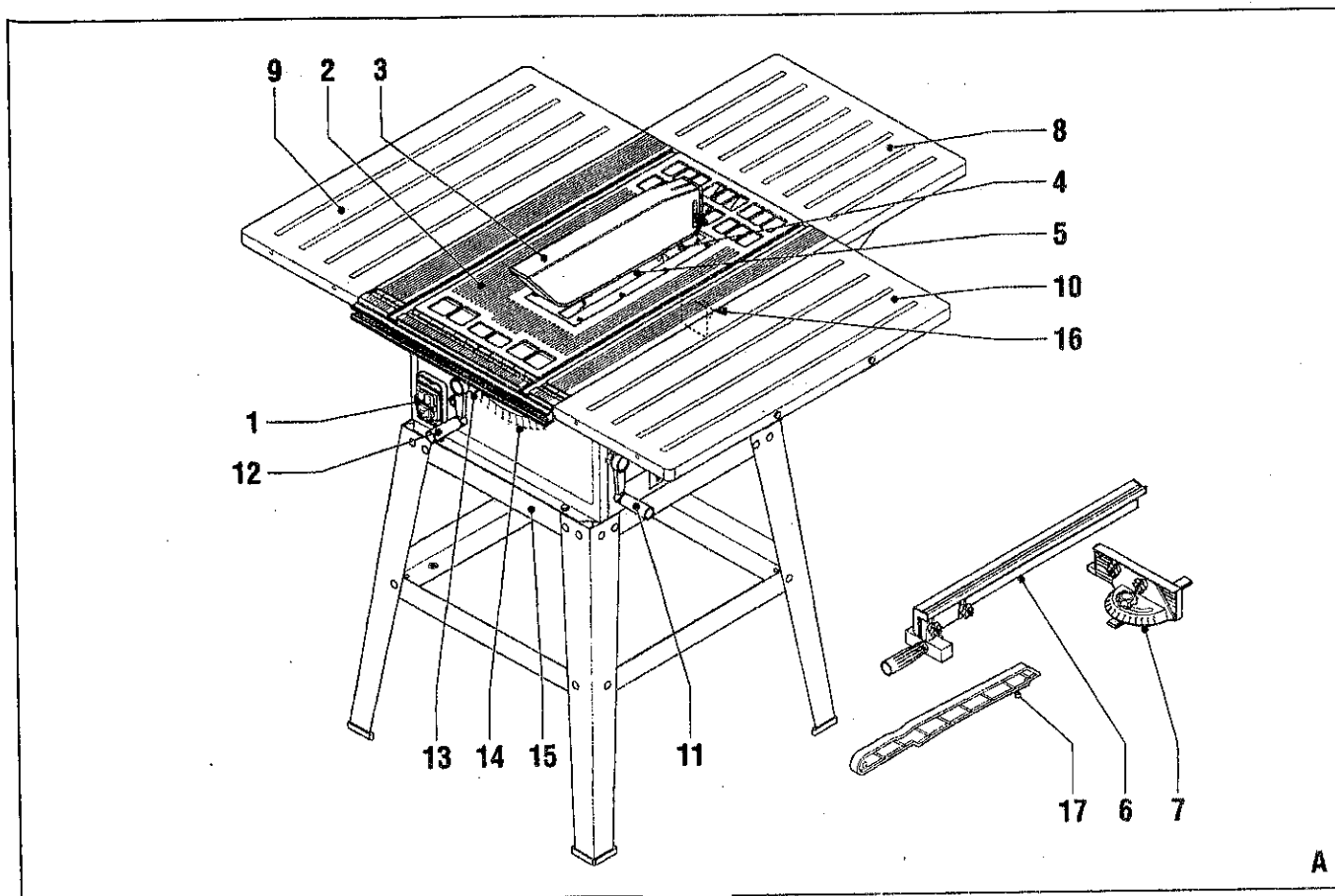


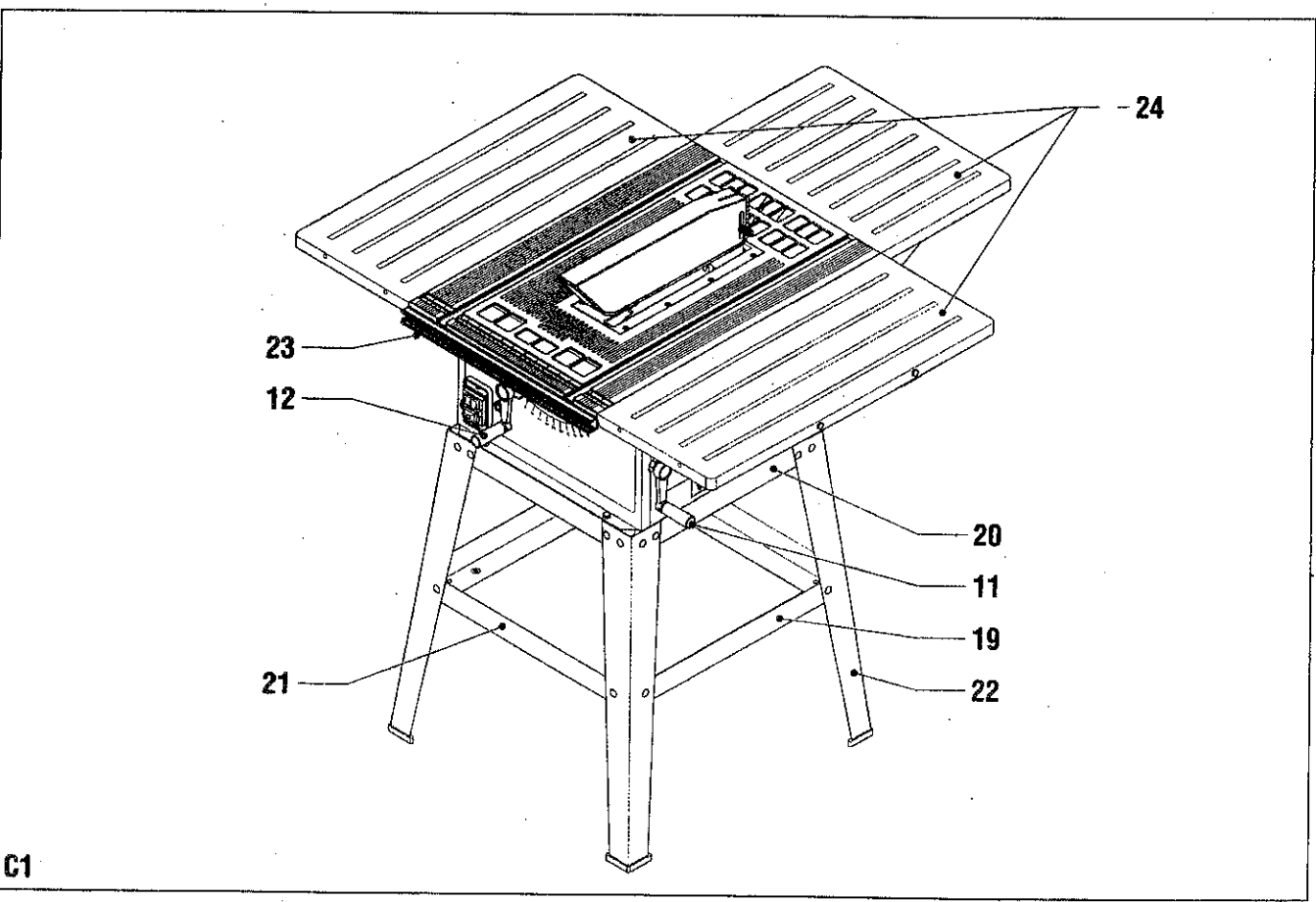
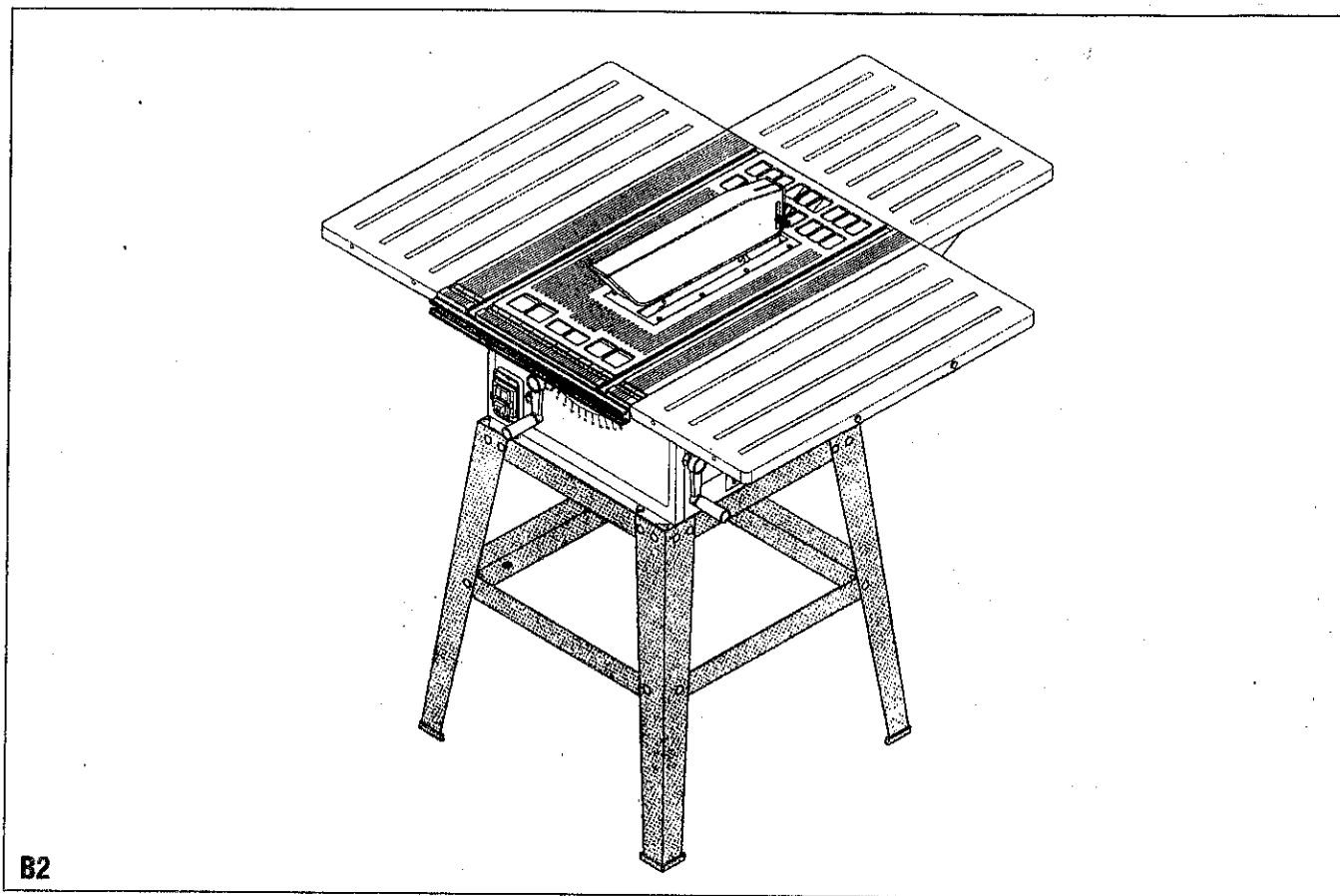


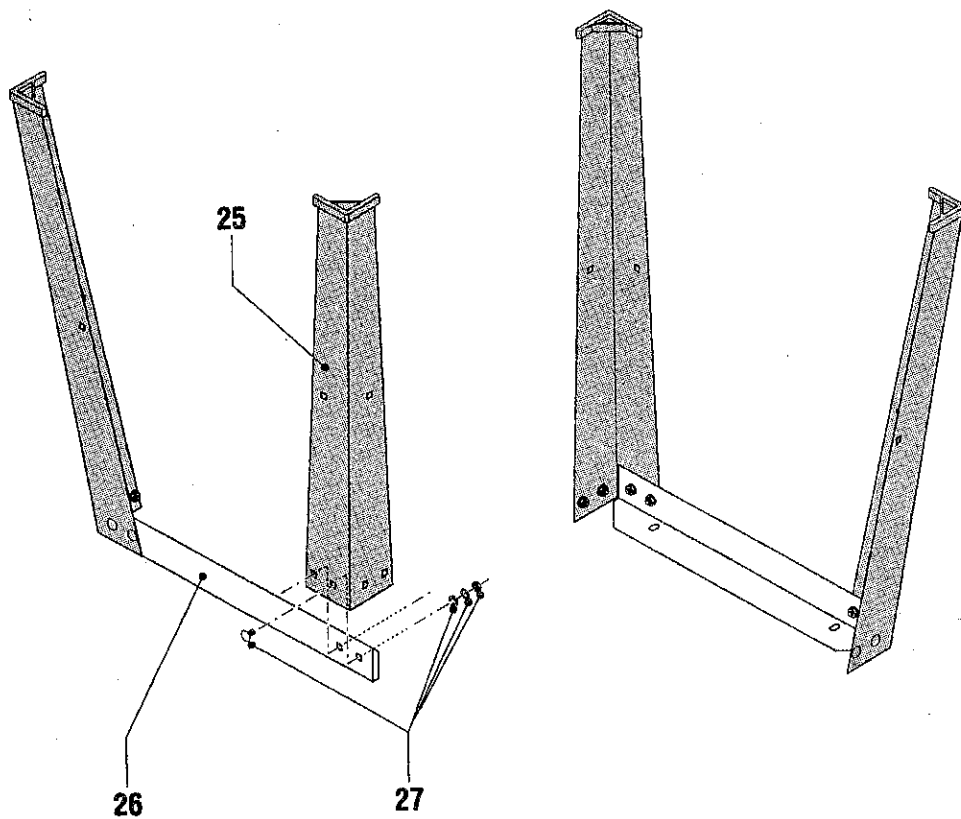
254mm TABLE SAW

SAFETY AND OPERATING MANUAL

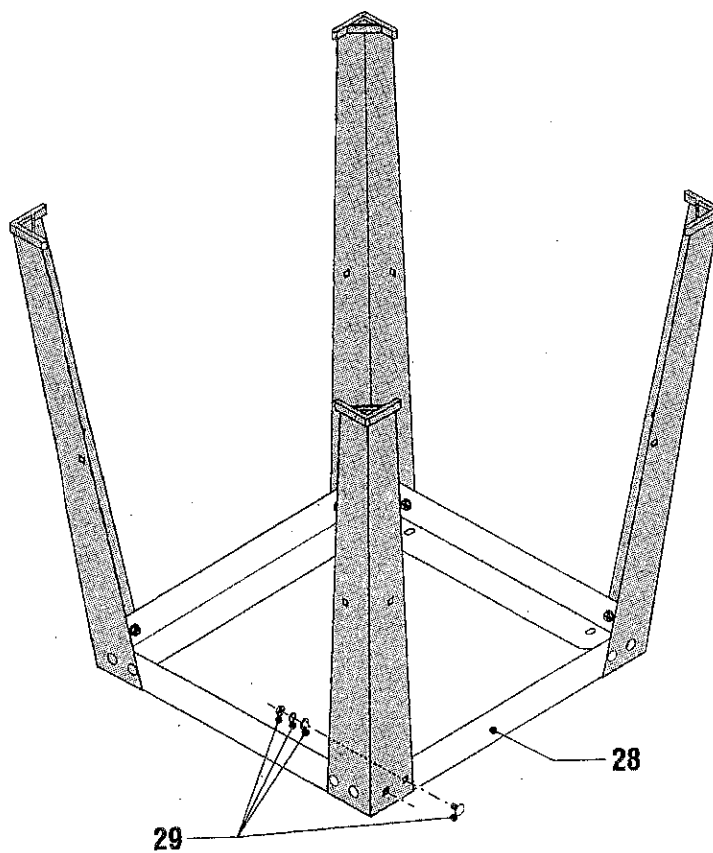
**Technical specifications, safety and operational instructions,
maintenance and troubleshooting**



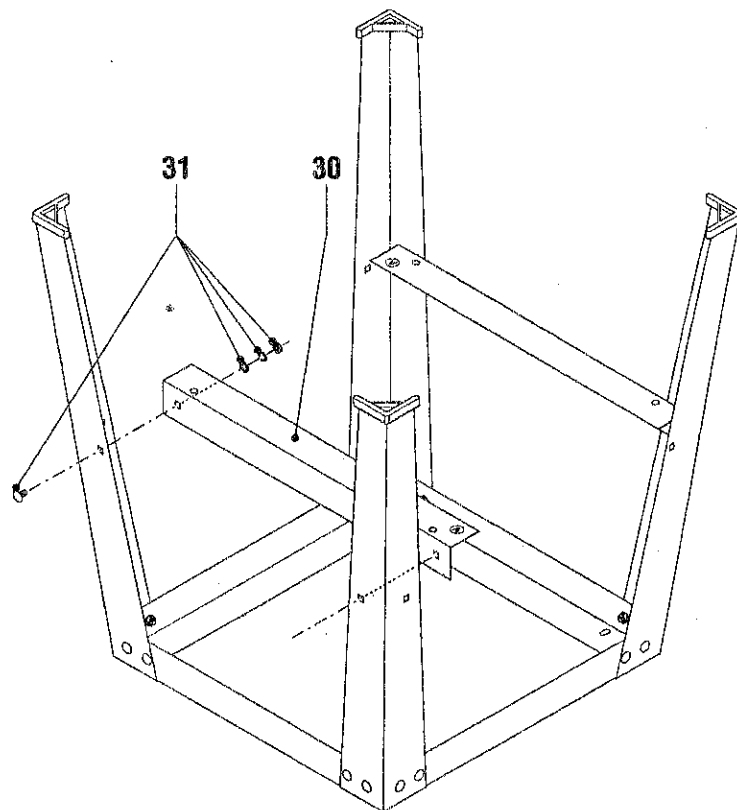




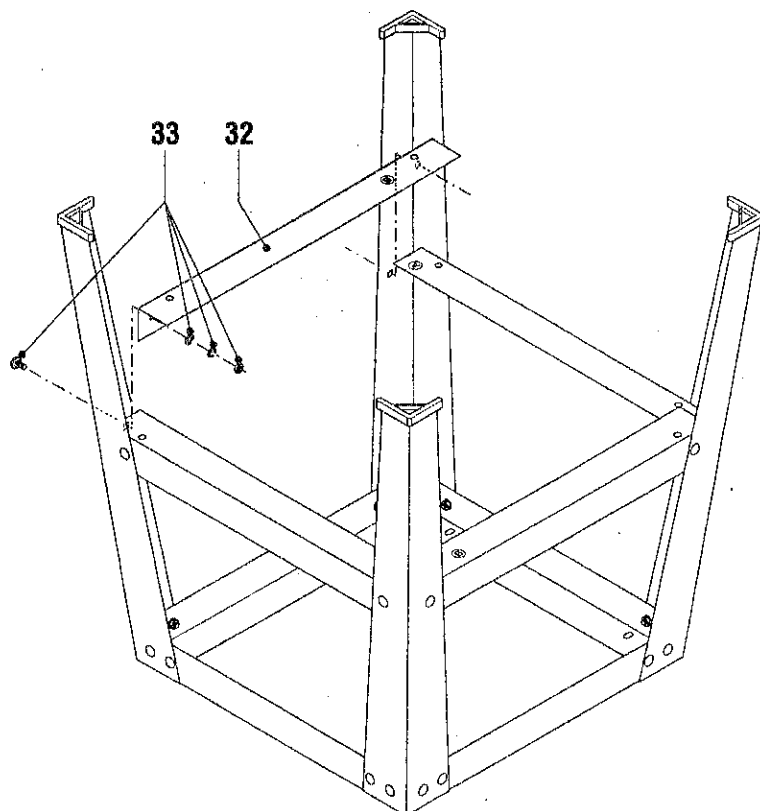
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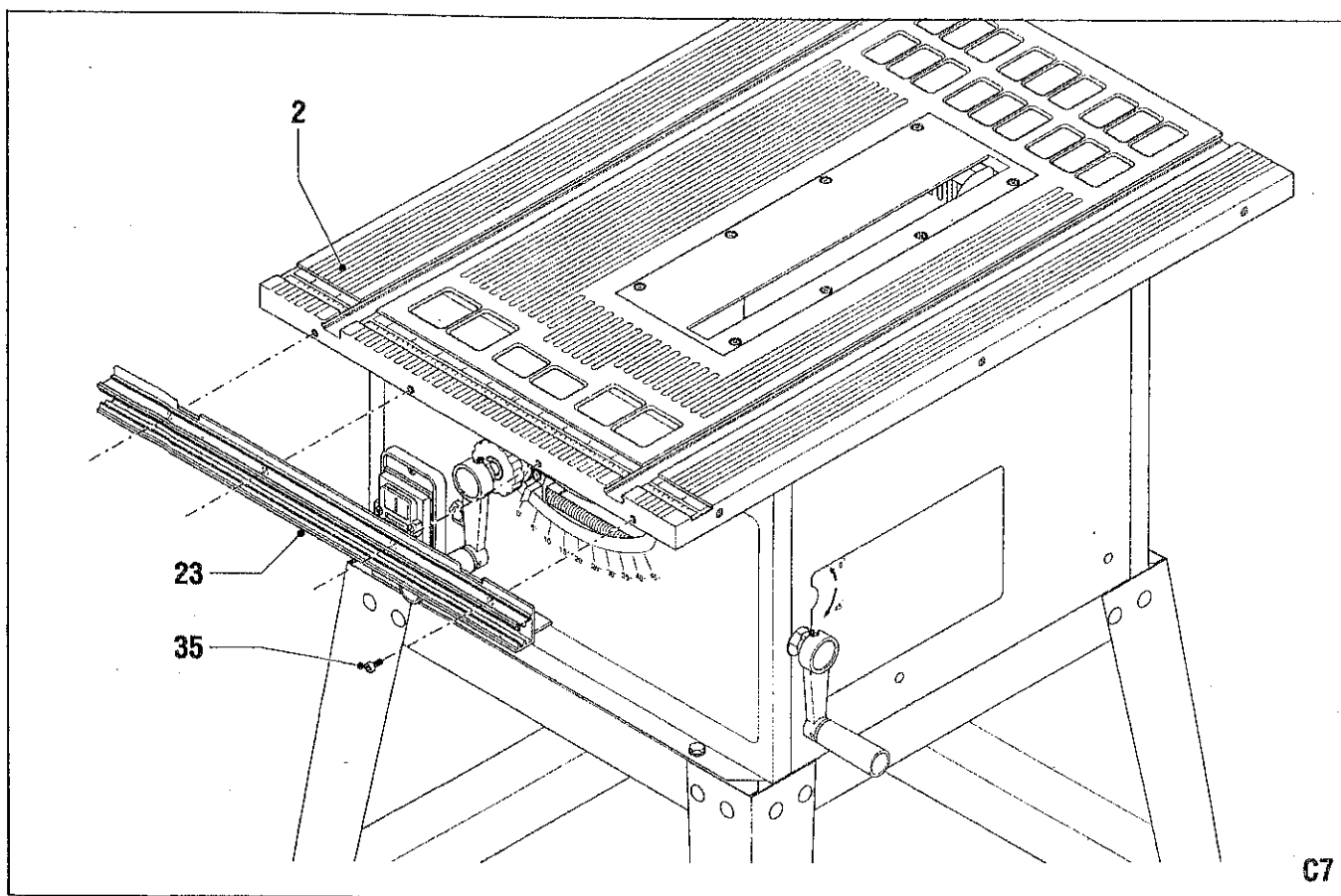
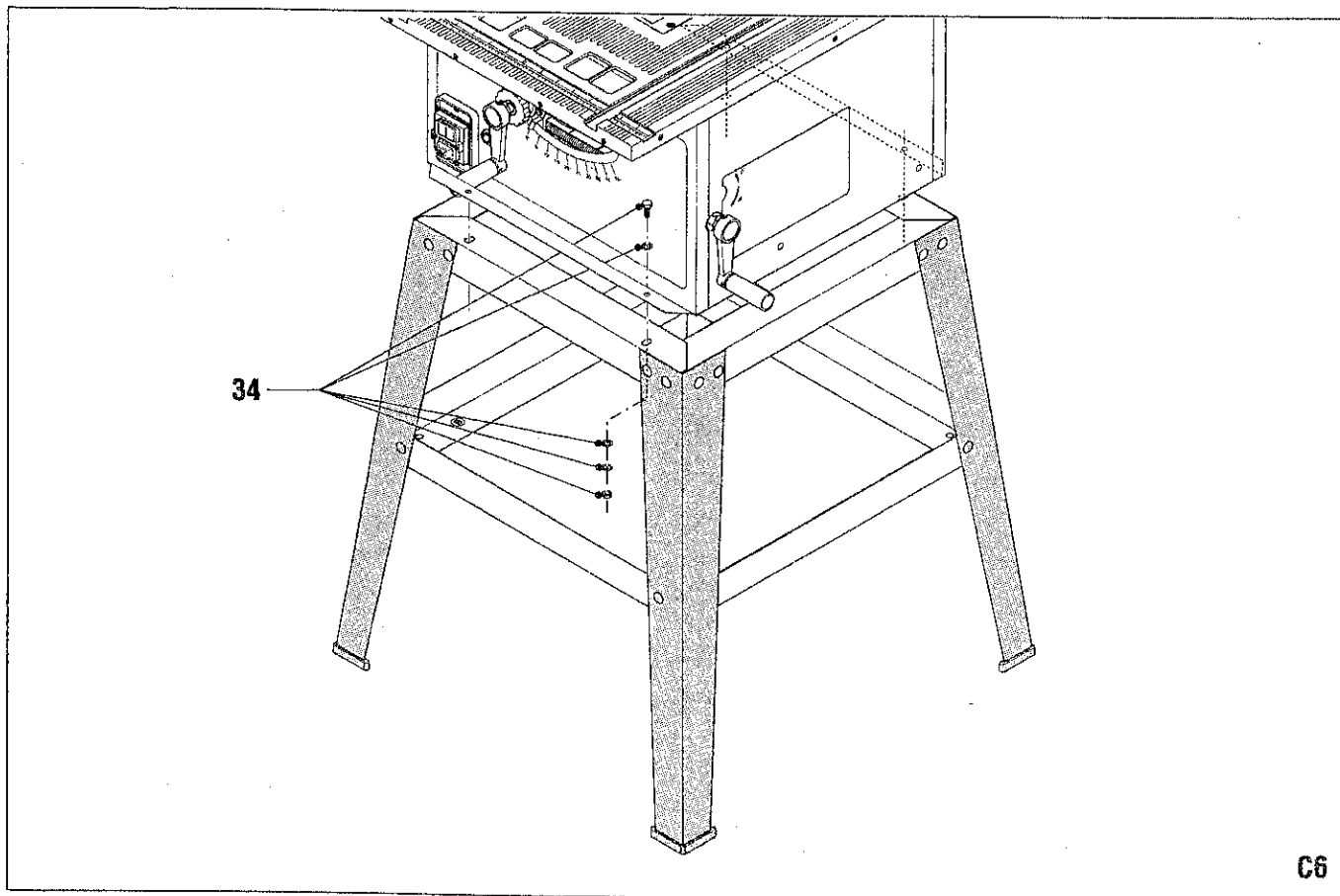
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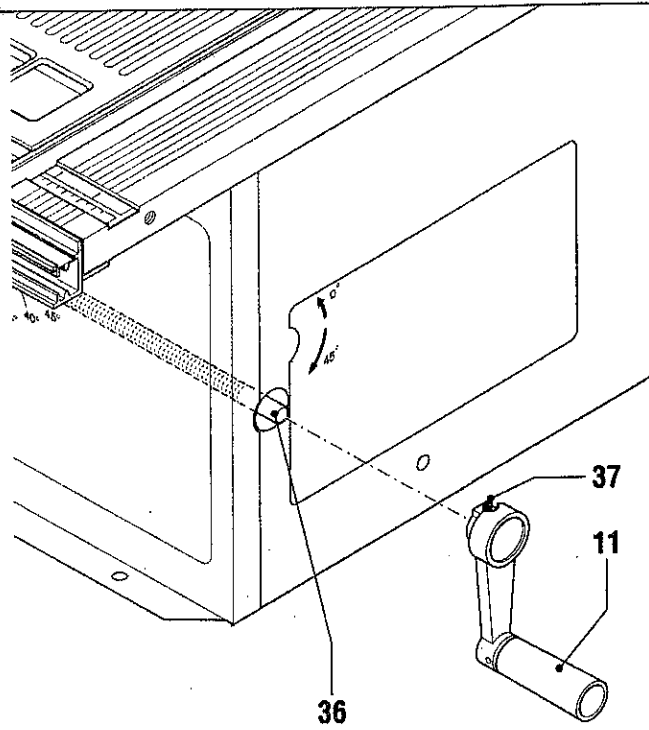


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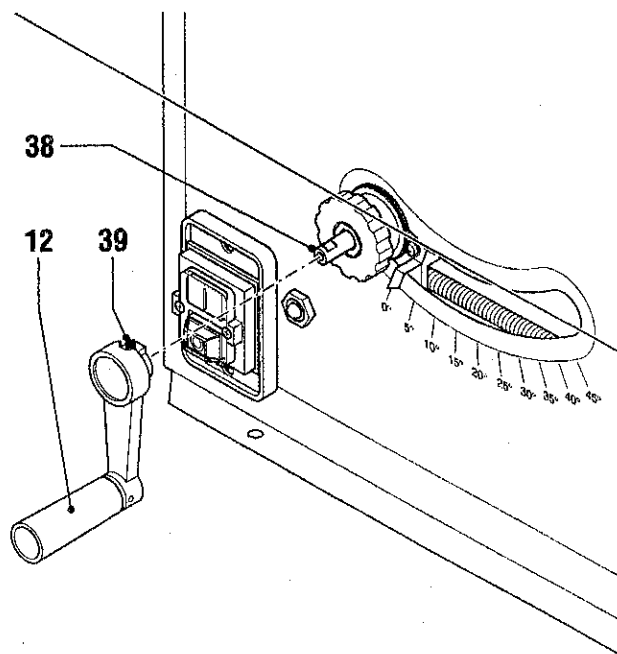


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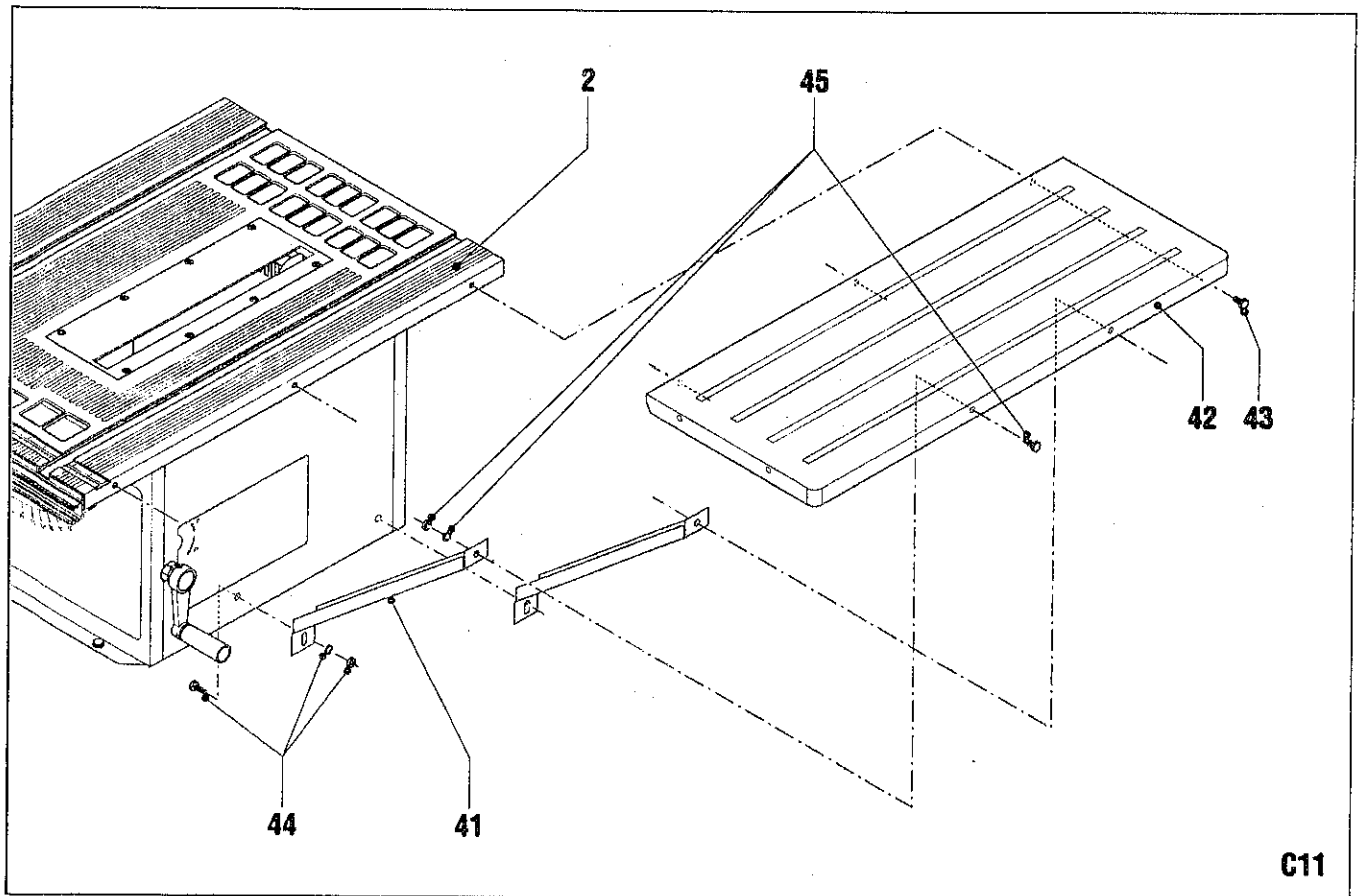
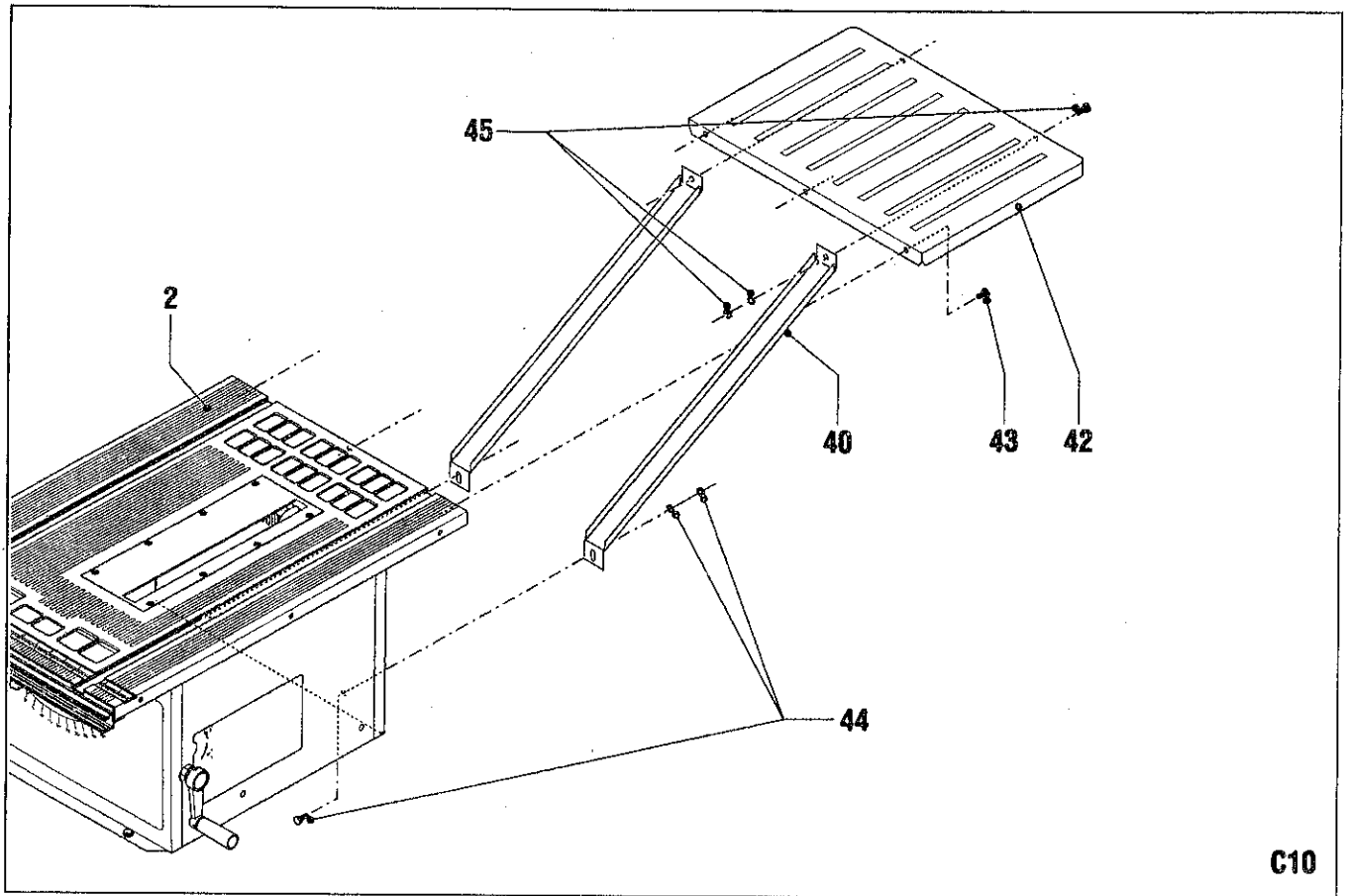


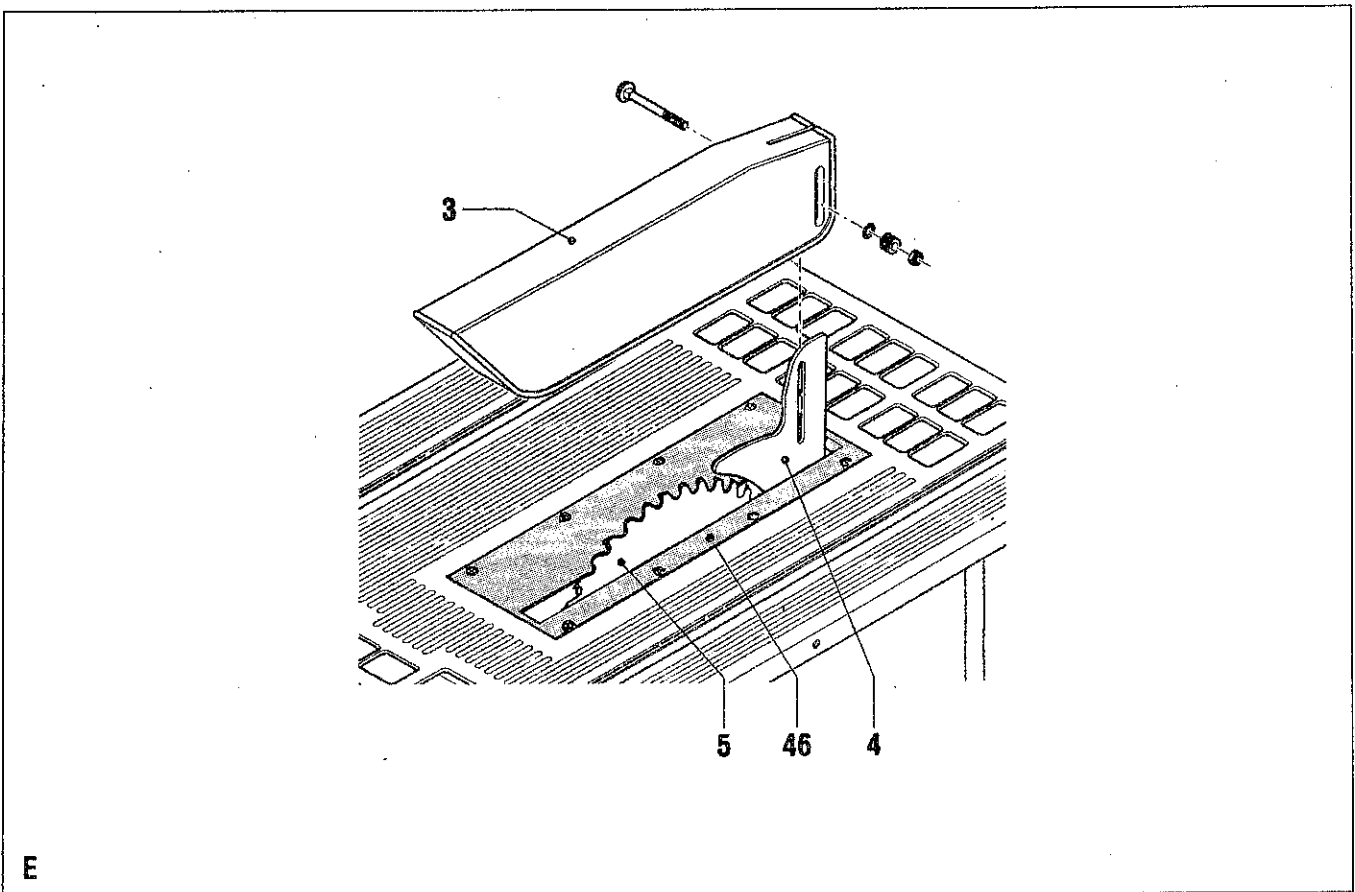
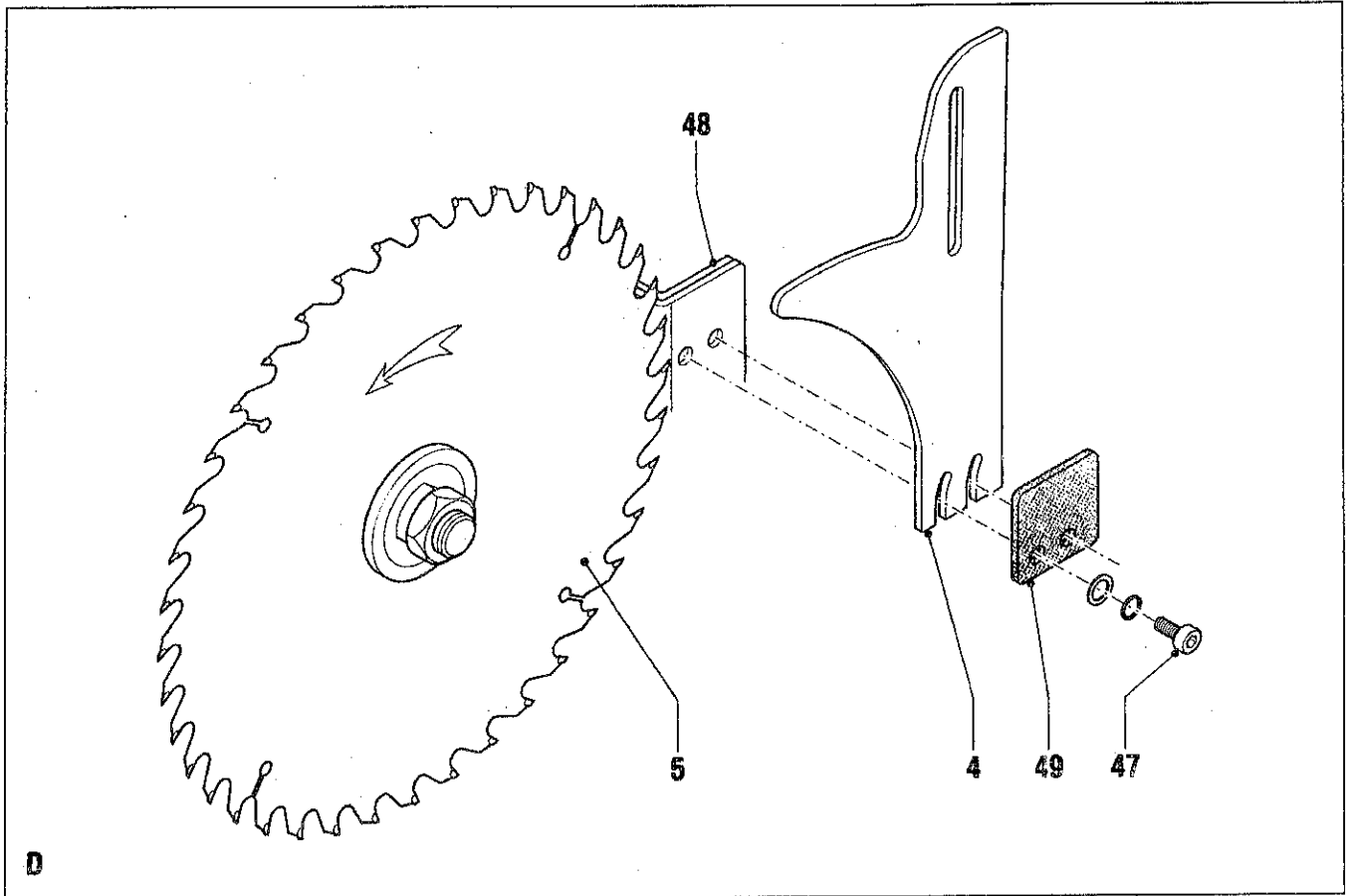


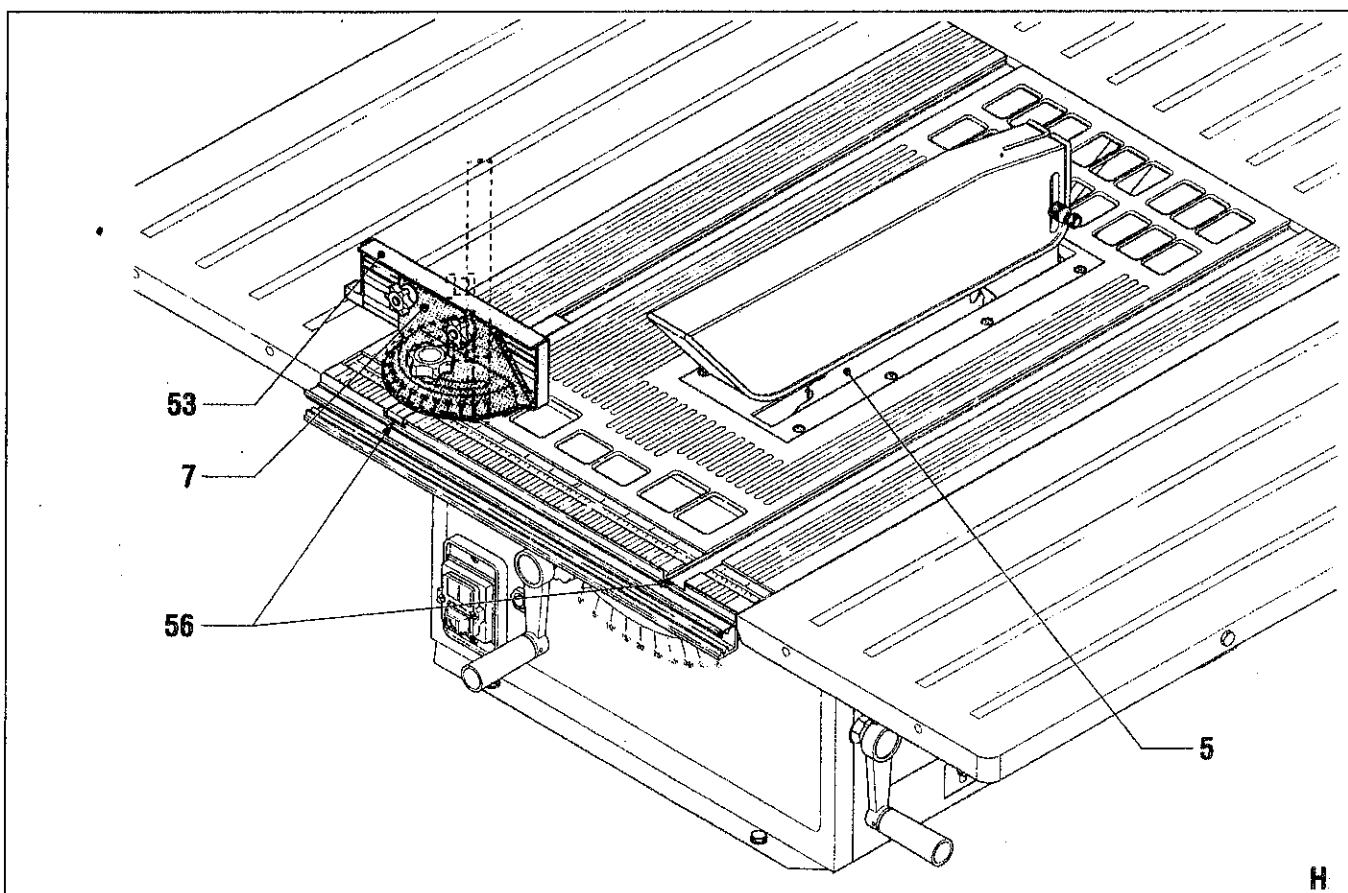
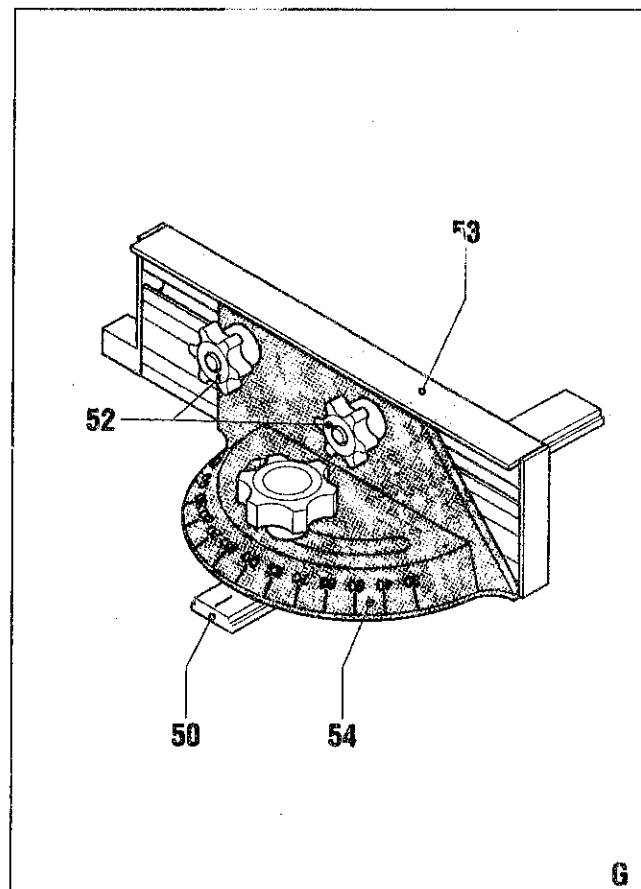
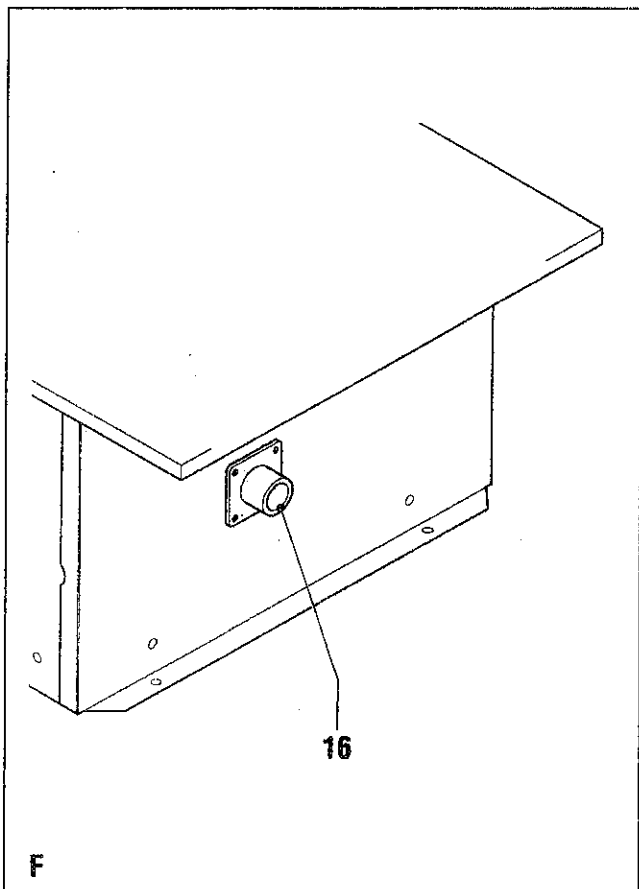
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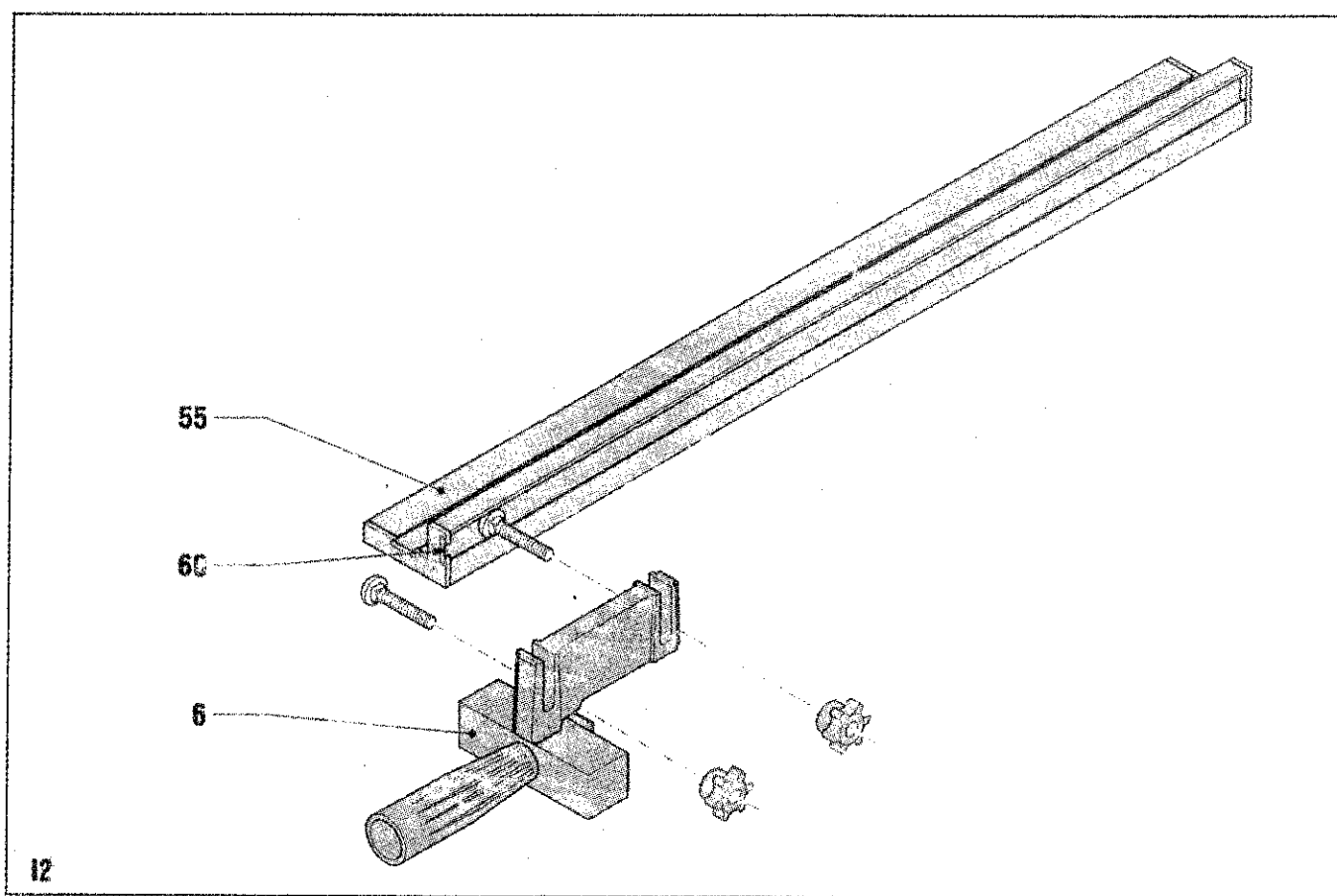
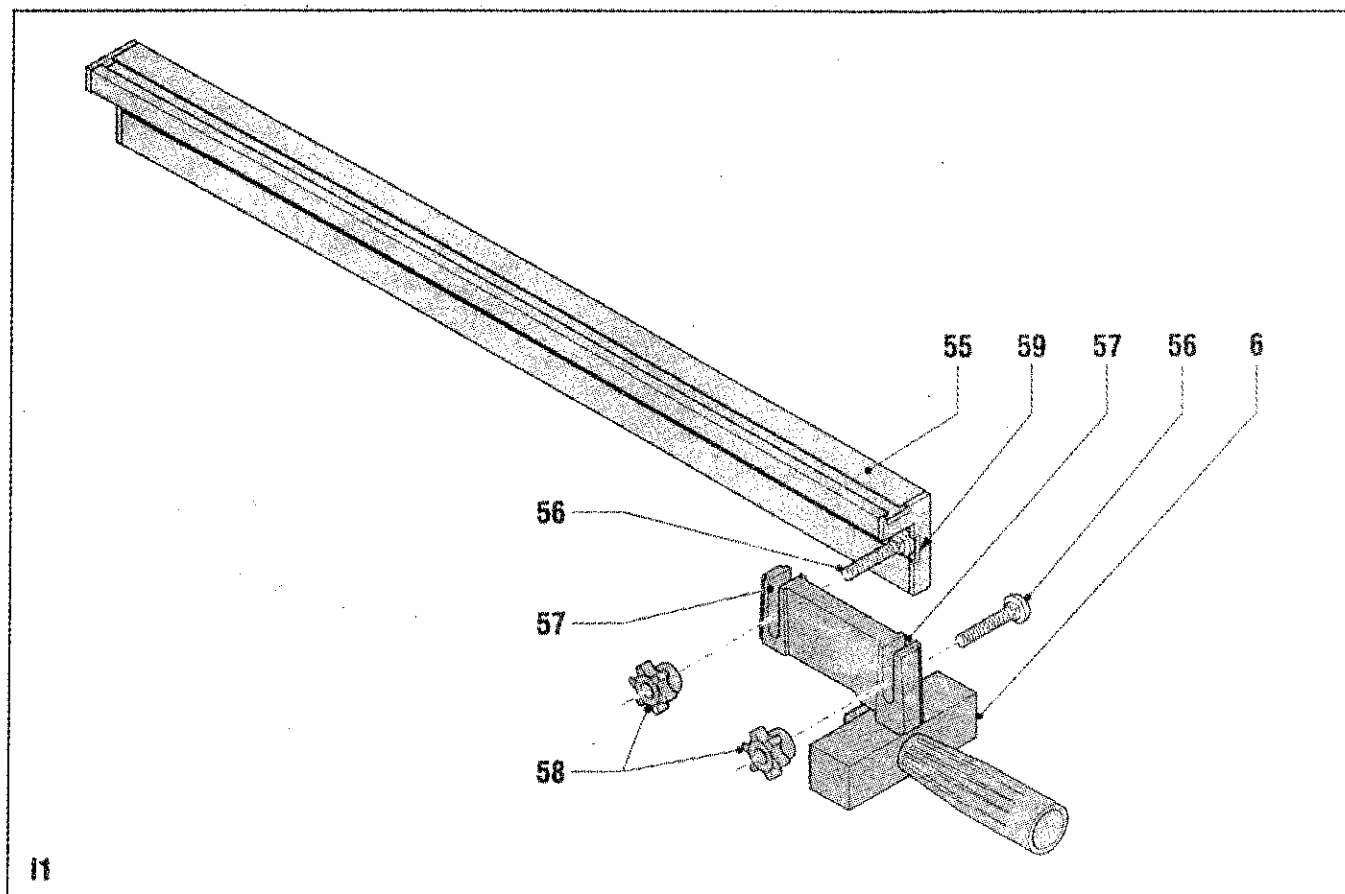


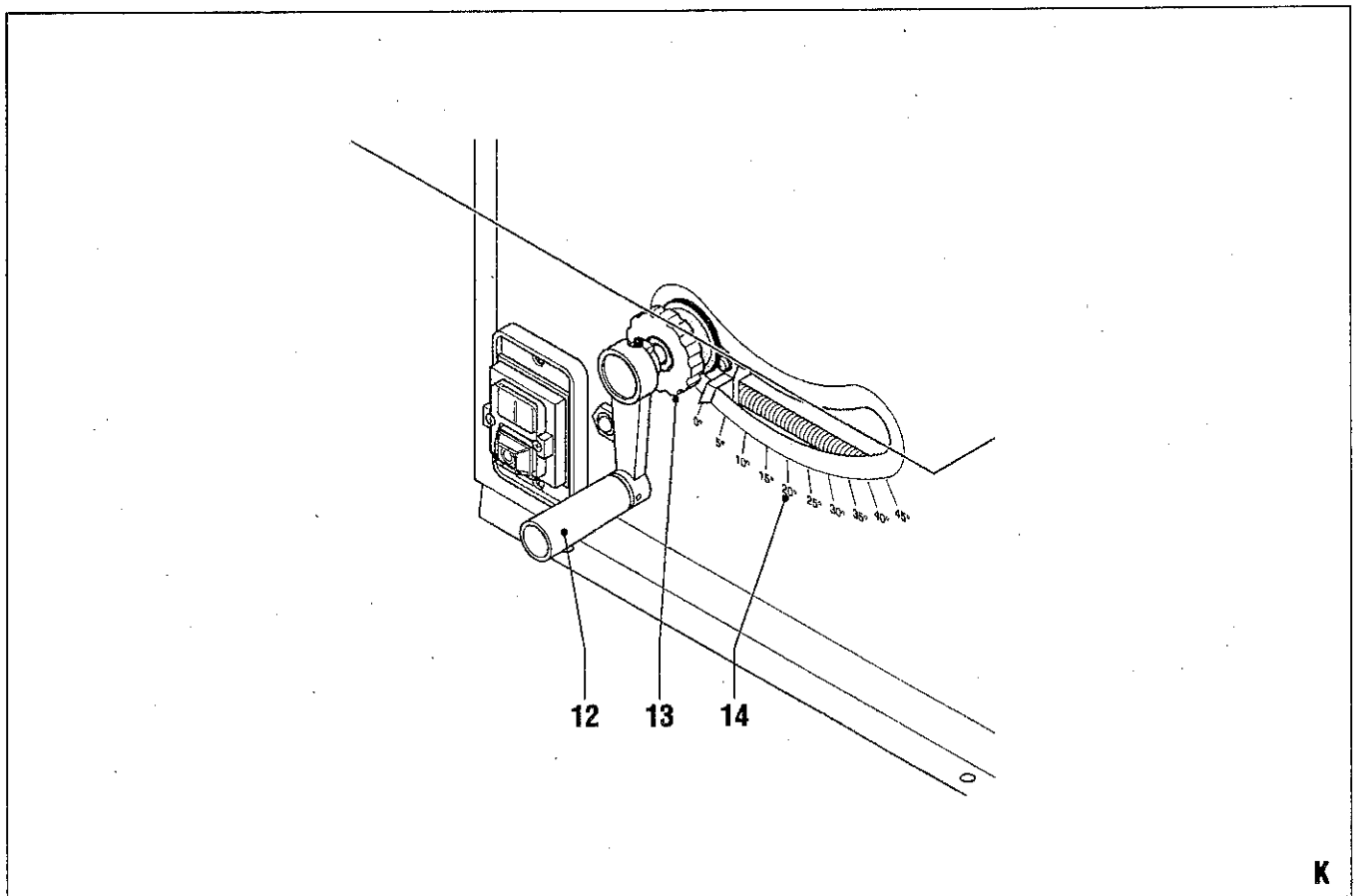
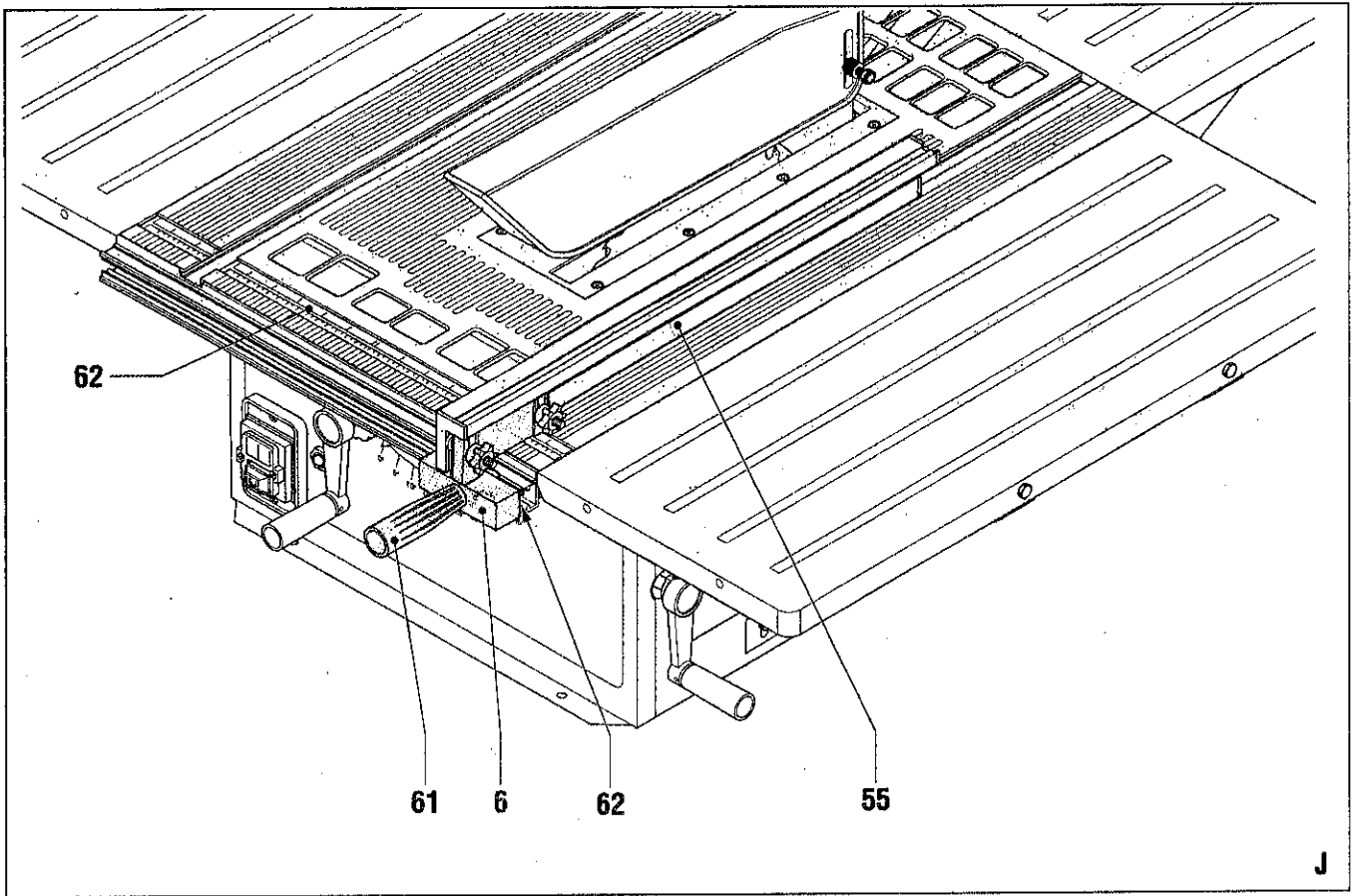
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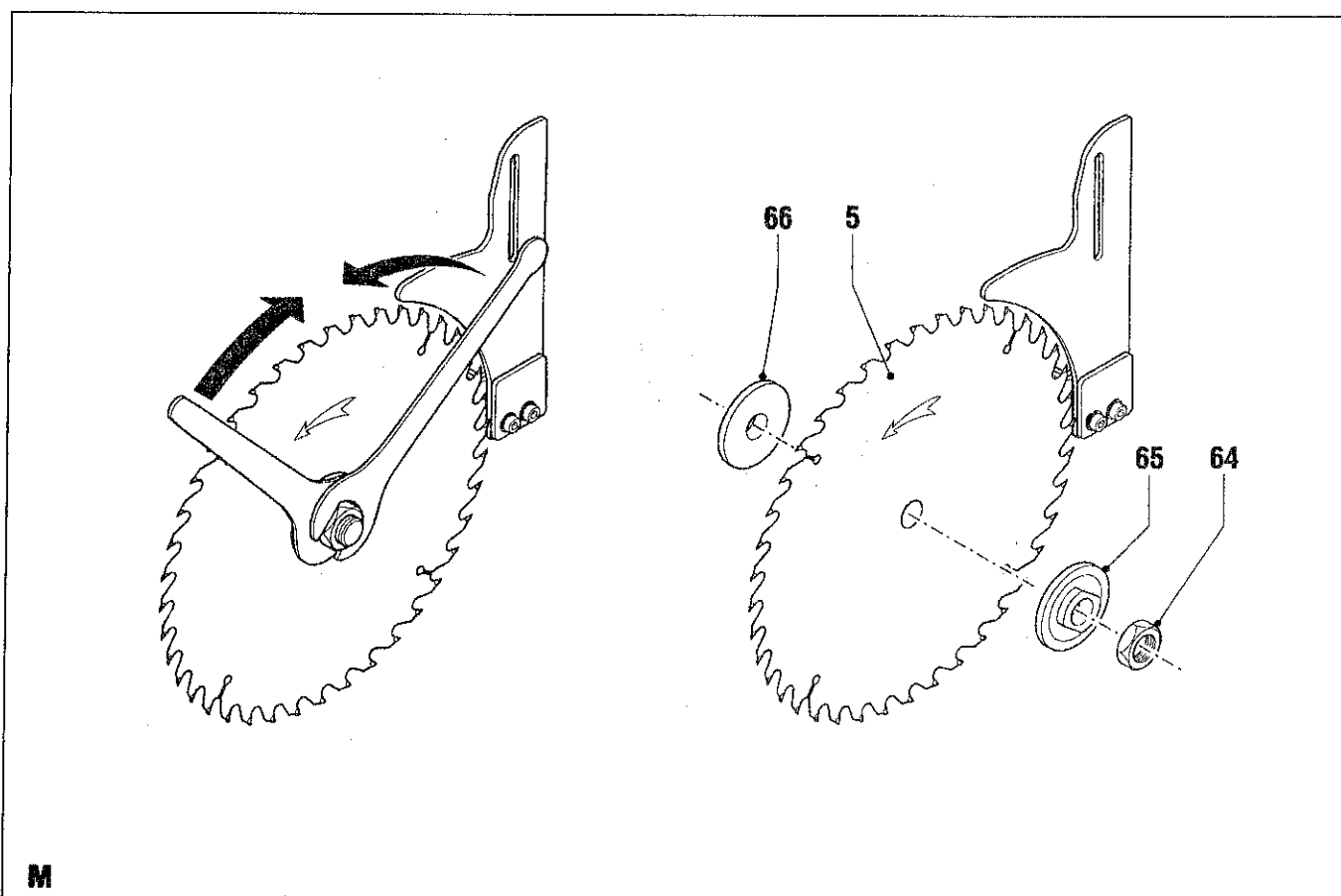
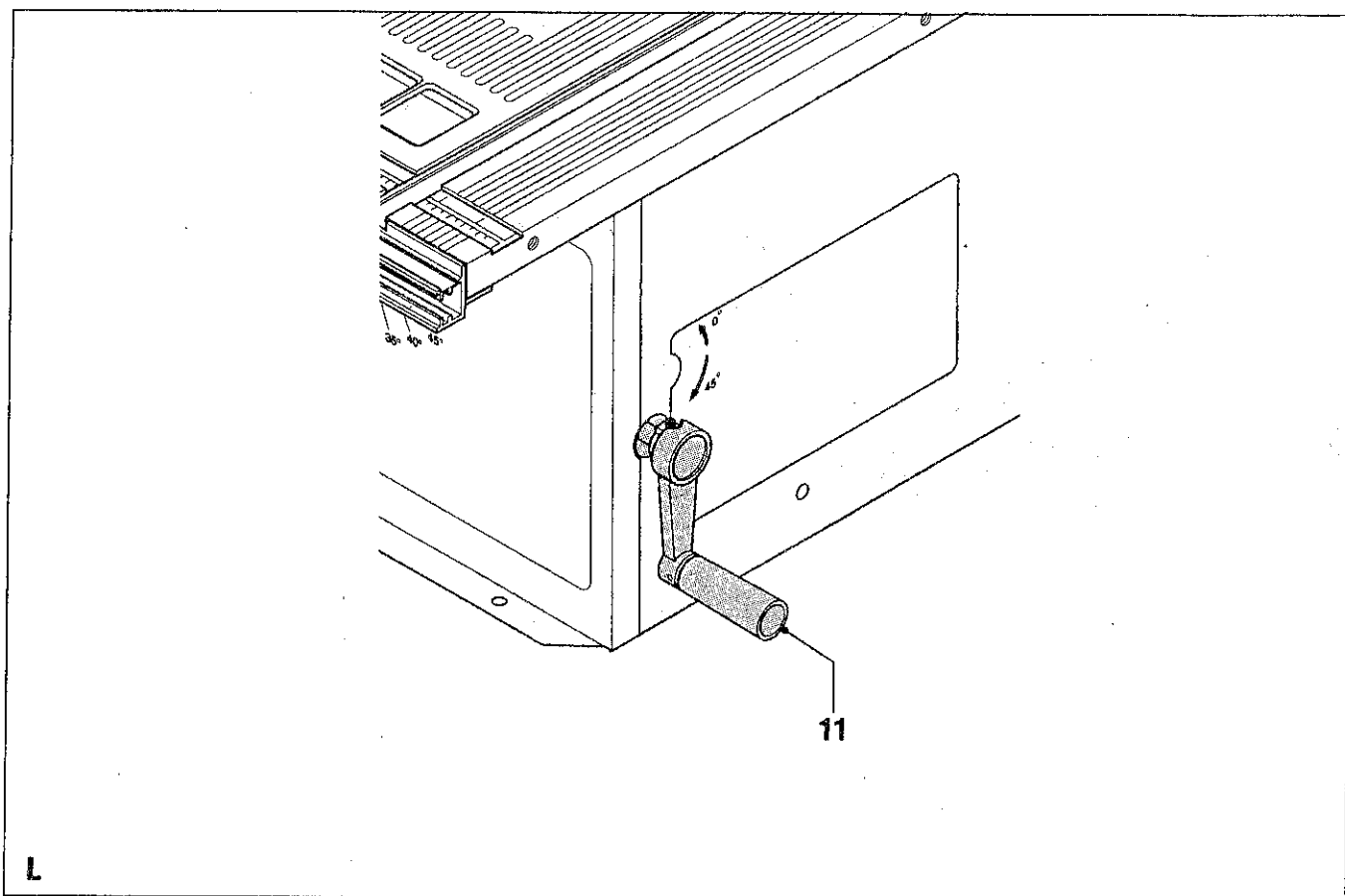












WARNING

Read this manual carefully before using the machine, for your own safety.

SAFETY INSTRUCTIONS

When using the machine, always observe the enclosed safety instructions as well as the additional safety instructions.

The following symbols are used throughout this manual:



Denotes risk of personal injury or damage to the tool.

You will find the following symbols on the machine:



Take measures to protect your eyes.



Take measures to protect hearing.



Keep your hands out of the immediate vicinity of rotating parts.

ADDITIONAL SAFETY INSTRUCTIONS FOR CIRCULAR SAW BENCHES

- ✱ Never remove the guard. Make sure that the saw blade is correctly screened by the guard.
- ✱ Never remove the riving knife. The distance between the toothed rim and the riving knife should not exceed 5 mm.
- ✱ Only use the original riving knife.
- ✱ Replace the table insert as soon as it is damaged or worn-out.
- ✱ Do not use saw blades made of HSS steel. Use exclusively the types of saw blades that are mentioned in this manual and that meet the requirements of prEN 847-1. See the technical data for proper rating of the saw blade.
- ✱ Do not use bent, deformed or otherwise damaged saw blades.
- ✱ Do not use saw blades which do not meet the specifications stated in this manual.
- ✱ Do not use an adapter to mount a saw blade with a larger bore.
- ✱ Before sawing, remove all nails and other metal objects from the workpiece.
- ✱ Never switch on the machine while the workpiece touches the saw blade.
- ✱ Never start sawing before the saw reaches its full speed.
- ✱ Never reach over the rotating saw blade.
- ✱ Never remove the sawed-off workpiece while the saw blade is rotating.
- ✱ Keep your hands out of the immediate vicinity of the rotating saw blade.
- ✱ Use a push stick (supplied) when sawing extremely small workpieces. Use a push block (supplied) when sawing bigger workpieces.
- ✱ Never attempt to saw round workpieces.
- ✱ Never use the machine for sawing grooves or for slotting.
- ✱ When expecting need for assistance during your sawing activities make sure the table extension is mounted. Your assistant may only take place at the outfeed end of the table extension. When the table extension is not mounted the machine may be operated by one person only.
- ✱ Only leave the machine after switching off and when the saw blade has come to a complete standstill.
- ✱ Never try to slow the saw blade down by exerting pressure on the side.

- ✱ Always unplug the machine before performing any maintenance.
- ✱ Do not use the machine before it has been completely assembled and installed according to the instructions.
- ✱ Do not perform any design, assembly or construction activities on the table while the machine is switched on.
- ✱ Unplug the machine and clean the table before leaving the work area.

Residual risks

The following hazards may occur during the operation of this machine:

- danger of injury to the fingers and hands while changing the saw blade
- danger of injury through flying debris from the workpiece
- danger of hearing damage
- health risk due to inhalation of airborne particles

ELECTRICAL SAFETY



Always check that the power supply corresponds to the voltage on the rating plate.

DESCRIPTION (fig. A)

Your circular saw bench has been designed for sawing wooden workpieces. The machine is not suitable for grooving.

- 1 On/off switch
- 2 Table top
- 3 Guard
- 4 Riving knife
- 5 Saw blade
- 6 Parallel fence
- 7 Mitre fence
- 8 Table extension rear
- 9 Table extension left
- 10 Table extension right
- 11 Handle for bevel angle adjustment
- 12 Handle for saw blade height adjustment
- 13 Lock knob saw blade adjustment
- 14 Scale for bevel angle
- 15 Support
- 16 Dust extraction connection
- 17 Push stick

Mounting the machine (fig. B1 & B2)

The machine can be set up in two ways: for use on a workbench (fig. B1) and for use with the support (fig. B2).

Mounting the machine for use on a workbench:

The machine must be screwed to a workbench.

- ✱ Mark the position of the mounting holes (18) on the workbench.
- ✱ Drill holes at each of the marked positions, adjusting the diameter and depth of the holes to the screws used.
- ✱ Place the machine on the workbench and insert the screws into the mounting holes.
- ✱ Firmly tighten the screws.

Mounting the machine for use with the support:

- ✱ Follow the instructions below 'Assembling the machine'.

Assembling the machine (fig. C1)

Always use the following procedure, in the order given, when assembling the machine.

- ✱ Mount the table legs (19).
- ✱ Mount the frame (20).
- ✱ Mount the short support rails (21).

- ✳ Mount the long support rails (22).
- ✳ Put the support straight up.
- ✳ Tighten all fasteners.
- ✳ Mount the machine on the support.
- ✳ Mount the guide rail (23).
- ✳ Mount the table extensions (24).
- ✳ Mount the handle for bevel angle adjustment (11).
- ✳ Mount the handle for saw blade height adjustment (12).

Mounting the table legs (fig. C2)

- ✳ Hold the first leg (25) in place at one corner of the first short rail (26) and fit using the fasteners (27).
- ✳ Do not completely tighten the fasteners.
- ✳ Mount the second leg at the other corner of the rail.
- ✳ Fit the other legs according to the same instructions to the other rail.

Mounting the frame (fig. C3)

- ✳ Hold the first long rail (28) in place between the table legs and fit using the fasteners (29).
- ✳ Do not completely tighten the fasteners.
- ✳ Mount the other rail according to the same instructions.

Mounting the short support rails (fig. C4)

- ✳ Hold the first rail (30) in place between the table legs and fit using the fasteners (31).
- ✳ Do not completely tighten the fasteners.
- ✳ Mount the other rail according to the same instructions.

Mounting the long support rails (fig. C5)

- ✳ Hold the first rail (32) in place between the table legs and fit using the fasteners (33).
- ✳ Do not completely tighten the fasteners.
- ✳ Mount the other rail according to the same instructions.

Mounting the machine to the support (fig. C6)

- ✳ Place the machine on the support.
- ✳ Place the fasteners (34).
- ✳ Tighten the fasteners.

Mounting the guide rail (fig. C7)

- ✳ Hold the guide rail (23) in place against the front of the table top (2) and fit using the fasteners (35).
- ✳ Tighten the fasteners.

Mounting the handle for bevel angle adjustment (fig. C8)

- ✳ Place the handle (11) on the spindle (36).
- ✳ Fasten the set screw (37) against the flat side of the spindle.

Mounting the handle for saw blade height adjustment (fig. C9)

- ✳ Place the handle (12) on the spindle (38).
- ✳ Fasten the set screw (39) against the flat side of the spindle.

Mounting the table extensions (fig. C1, C10 & C11)

Use the long support braces (40) for mounting to the rear of the machine. Use the short support braces (41) for mounting to the sides of the machine.

- ✳ Hold the table extension (42) in place against the table top (2) and fit using the fasteners (43). The table extension should fit tightly against the table surface.
- ✳ Do not completely tighten the fasteners.
- ✳ Hold the first brace in place against the housing and fit using the fasteners (44).
- ✳ Fit the brace to the table extension.

- ✳ Tighten the fasteners (45).
- ✳ Mount the other brace according to the same instructions.

Mounting and adjusting the riving knife (fig. D & E)

- ✳ Bring the saw blade (5) to its highest position.
- ✳ Remove the table insert (46).
- ✳ Loosen the Allen screws (47) a few turns.
- ✳ Place the riving knife (4) between the bracket (48) and the clamping plate (49) over the screw thread.
- ✳ Adjust the riving knife correctly.
- ✳ Tighten the Allen screws.
- ✳ Replace the table insert.



- Ensure that the riving knife is always correctly adjusted:
- The top of the riving knife does not protrude more than approximately 20 mm from the top tooth of the saw blade.
 - The distance between the riving knife and the teeth of the saw blade is about 3-8 mm.

Mounting the blade guard (fig. E)

- ✳ Place the guard (3) over the riving knife (4).
- ✳ Fit the blade guard to the riving knife.



Never saw without having the blade guard in place.

Using the dust extraction connection (fig. F)

The dust extraction connection together with an external vacuum cleaner takes care of the dust extraction of the working surface.

- ✳ Slide the suction mouth of a vacuum cleaner onto the connection (15).



If possible, always provide for proper dust extraction.

Mounting the mitre fence (fig. G & H)

The mitre fence is used for straight cross-cuts or sawing mitre cuts. The guide fence can be mounted both to the left and to the right of the saw blade.

- ✳ Slide the guide fence (7) with the holder (50) into the slot (51).

Setting the guide fence for straight cross-cutting (fig. G & H)

- ✳ Mount the guide fence.
- ✳ Set the protractor (54) at 90°.
- ✳ Set the guide fence so that the guide profile (53) is just out of reach from the saw blade (5).
- ✳ Tighten the knobs (52).

Setting the guide fence for mitre cutting (fig. G & H)

The mitre angle is infinitely variable from 0 - 60°.

- ✳ Mount the guide fence.
- ✳ Set the desired mitre angle using the scale on the protractor (54).
- ✳ Set the guide fence so that the guide profile (53) is just out of reach from the saw blade (5).
- ✳ Tighten the knobs (52).

Assembling the parallel fence (fig. I1 & I2)

The parallel fence is used for ripping. The guide fence has two profiles of various width. The guide fence can be mounted both to the left and to the right of the saw blade.

- ✳ Place a bolt (56) in each of the recesses (57) and fit a knob (58) on the screw thread.

- * Fit the guide profile (55) to the guide (6). Choose slot (59) for the wide profile (fig. 11); slot (60) for the narrow profile (fig. 12).
- * Tighten the knobs (58).

Setting the guide fence for ripping (fig. J)

- * Loosen the knob (61) and slide the guide fence (6) with the holder (62) in the guide rail.
- * Set the desired distance using the scale (63) on the table top.
- * Tighten the knob (60).

Setting the bevel angle (fig. K & L)

The bevel angle is infinitely variable from 0 – 45°.

- * Loosen the lock knob (13).
- * Turn the handle (11) to set the bevel angle.
- * Set the desired bevel angle according to the scale (14).
- * Tighten the lock knob.

Setting the depth of cut (fig. K)

- * Turn the handle (12) to bring the saw blade higher or lower.

Changing the saw blade (fig. E & M)

- * Bring the saw blade (5) to its highest position.
- * Remove the blade guard (3) and the table insert (46).
- * Remove the locknut (64).
- * Remove the outer flange (65), the old saw blade (5), and the inner flange (66).
- * Clean the flanges.
- * Place the inner flange, the new saw blade, and the outer flange. While placing the saw blade, make sure that the teeth point to the direction rotation as indicated by the arrow on the blade guard.
- * Replace the locknut and tighten it firmly.
- * Adjust the riving knife.
- * Replace the table insert and the blade guard.

Instructions for use

- * Check whether the guide fence has been mounted correctly.
- * Switch the machine on before the saw blade touches the workpiece.
- * Do not exert pressure on the saw blade. Do not try to push the workpiece through the machine with excessive force. Allow the machine enough time to cut the workpiece.
- * If the saw blade comes to a standstill or decelerates, the machine is being overloaded. Immediately stop sawing and let the motor cool down by leaving the machine running idle for some time.

Switching on and off (fig. A)

This machine is equipped with a no-volt release feature. This feature avoids that the machine is accidentally switched on when the plug is inserted into the mains outlet.

- * To switch the machine on, set the on/off switch (1) to 'I'.
- * To switch the machine off, set the on/off switch (1) to 'O'.

Ripping (fig. J)

While ripping, the workpiece is guided along the parallel guide and sawn through longitudinally.

- * Set the guide fence (6) for parallel guiding when ripping and set the guide profile (55).
- * Switch on the machine.
- * Securely hold the workpiece and guide it along the saw blade keeping it pressed against the guide fence.
- * In the final stage use the push stick to keep your hands well clear from the saw blade.
- * Switch the machine off as soon as the cut is completed.



Always use the push stick to cut extremely small workpieces.

Sawing straight cross-cuts (fig. H)

While sawing straight cross-cuts, the workpiece is placed against the guide fence and sawn through transversely.

- * Set the guide fence (7) for sawing straight cross-cuts.
- * Place the workpiece lengthwise against the guide profile (53).
- * Switch on the machine.
- * Securely hold the workpiece and guide it along the saw blade keeping it pressed against the guide fence.
- * Switch the machine off as soon as the cut is completed.

Sawing mitre cuts (fig. H)

While sawing mitre cuts, the workpiece is placed against the guide fence and sawn through transversely at an angle.

- * Set the guide fence (7) for sawing mitre cuts.
- * Proceed as described for sawing straight cross-cuts, starting in point 2.

Sawing bevel cuts (fig. H, J, K & L)

While sawing bevel cuts, the workpiece is sawn through at an inclination. A bevel cut is combined with either ripping or sawing straight cross-cuts.

For sawing bevel cuts combined with ripping, proceed as follows:

- * Set the guide fence (6) for parallel guiding when ripping and set the guide profile (55). Set the bevel angle.
- * Proceed as described for ripping, starting in point 2.

For sawing bevel cuts combined with sawing straight cross-cuts, proceed as follows:

- * Set the guide fence (7) for sawing straight cross-cuts and set the bevel angle.
- * Proceed as described for sawing straight cross-cuts, starting in point 2.

Sawing compound mitre cuts (fig. H, K & L)

While sawing compound mitre cuts, the workpiece is placed against the guide fence and sawn through in a combined mitre and bevel cut.

- * Set the guide fence (7) for sawing mitre cuts and set the bevel angle.
- * Proceed as described for sawing straight cross-cuts, starting in point 2.

Lubrication (fig. M)

- * From time to time, apply a drop of oil to the thread of the locknut (64).

CLEANING AND MAINTENANCE

The machine does not require any special maintenance.

- * Regularly clean the ventilation slots.
- * Remove all dust from the housing.
- * Regularly check the machine for possible damages.
- * Before use always check the state of the saw blade. Particularly make sure that the saw blade is fastened firmly and that there is no play on it.
- * Before use always check the distance between riving knife and saw blade and between guard and saw blade.

TECHNICAL DATA

Mains voltage	V	120
Mains frequency	Hz	60
Power input	W	1,500
Speed	min ⁻¹	4,500
Saw blade diameter	mm	25.4
Blade bore	mm	15.9
Max. saw blade thickness	mm	2
Min. tooth thickness	mm	3
Max. depth of cut	mm	80
Mitre angle	°	0-60°
Bevel angle	°	0-45°
Table dimensions	mm	635 x 430
Table extensions dimensions	mm	
rear		430 x 300
side		635 x 260
Weight	kg	21.5

Level of sound pressure measured according to EN 50144:

L _{PA} (sound pressure)	dB(A)	99.5
L _{WA} (acoustic power)	dB(A)	112.5



Take appropriate measures for the protection of hearing.

The sound levels stated are emission levels; they are not necessarily safe working levels. Even though the measured values are related to exposure levels, this information does not allow to determine if additional measures are required. Factors that can affect the radiated levels are duration of exposure, the characteristics of the work area and other sound sources, as well as the number of machines of the same type or other machines in the work area. The acceptable exposure levels may differ according to the country of use. This information is only intended to help the user assess possible risks.

GUARANTEE

Refer to the enclosed guarantee conditions for the terms and conditions of guarantee.

ENVIRONMENT

Should your machine need replacement after extended use, do not put it in the domestic waste but dispose of it in an environmentally safe way.

