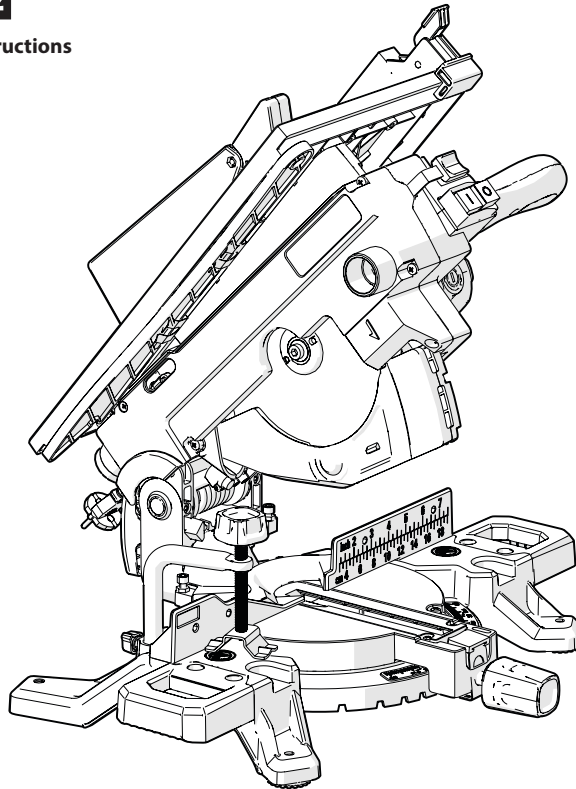


evOLUTION®

www.evolutionpowertools.com

R210
MTS G2

Original Instructions



Written in UK English

Date Published: 08/02/2022

IMPORTANT

Please read these operating and safety instructions carefully and completely.

For your own safety, if you are uncertain about any aspect of using this equipment please access the relevant technical helpline, the number of which can be found on the Evolution Power Tools website.

We operate several helplines throughout our worldwide organization, but technical help is also available from your supplier.

WEB

www.evolutionpowertools.com

EMAIL

UK: customer.services@evolutionpowertools.com

US: evolutioninfo@evolutionpowertools.com

GUARANTEE

Congratulations on your purchase of an Evolution Power Tools Machine. Please complete your product registration 'online' as explained on the leaflet included with this machine. This will enable you to validate your machine's guarantee period via Evolution's website by entering your details and thus ensure prompt service if ever needed.

We sincerely thank you for selecting a product from Evolution Power Tools.

Evolution Power Tools reserves the right to make improvements and modifications to the product design without prior notice. Please refer to the guarantee registration leaflet and/or the packaging for details of the terms and conditions of the warranty.

SPECIFICATIONS

| MACHINE | UK/EU |
|-------------------------|------------------------|
| Motor (220-240V~ 50 Hz) | 1500W |
| Speed No Load | 3800 min ⁻¹ |
| Weight | 13kg |

| CUTTING CAPACITIES | UK/EU |
|-----------------------------------|-------|
| Mild Steel Plate - Max. Thickness | 3mm |
| Mild Steel Plate - Max. Hardness | 210HB |

MAXIMUM CUTTING CAPACITY (ALUMINIUM, WOOD & PVC) MITRE SAW CONFIGURATION

| BEVEL | MITRE | UK/EU |
|-------|-----------|------------|
| 0° | 0° | 55 x 120mm |
| 45° | 0° | 35 x 120mm |
| 0° | 45° Left | 55 x 65mm |
| 0° | 45° Right | 55 x 55mm |
| 45° | 45° Left | 35 x 30mm |
| 45° | 45° Right | 35 x 70mm |

MAXIMUM CUTTING CAPACITY - TABLE SAW CONFIGURATION

| CUTTING CAPACITIES | UK/EU |
|----------------------|-------|
| Wood - Max Thickness | 40mm |

| BLADE DIMENSIONS | UK/EU |
|------------------|--------|
| Diameter | 210mm |
| Bore | 25.4mm |
| Number of Teeth | 20 |
| Kerf | 1.7mm |

NOISE & VIBRATION DATA

| | |
|------------------------------------|----------------------|
| Sound Pressure L _p A | 103 dB(A); K=3 dB(A) |
| Sound Power Level L ^W A | 116 dB(A); K=3 dB(A) |

The declared noise emission values have been measured in accordance with a standard test method (EN 61029-1, EN 61029-2-11) and may be used for comparing one tool with another.

WARNING: The noise emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used, in particular, what kind of work piece is machined.

It is necessary to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time)

LABELS & SYMBOLS

WARNING: Do not operate this machine if warning and/or instruction labels are missing or damaged. Contact Evolution Power Tools for replacement labels.

Note: All or some of the following symbols may appear in the manual or on the product.

| Symbol | Description |
|---|---|
| V | Volts |
| A | Amperes |
| Hz | Hertz |
| Min ⁻¹ | Speed |
| ~ | Alternating Current |
| n ₀ | No Load Speed |
|  | Wear Safety Goggles |
|  | Wear Ear Protection |
|  | Do Not Touch |
|  | Wear Dust Protection |
|  | Read Instructions |
|  | CE certification |
|  | UKCA Certification |
|  | Warning |
|  | Waste electrical and electronic equipment |
|  | Double Insulated |
|  | Triman - Waste Collection & Recycling |

INTENDED USE OF THIS POWER TOOL

WARNING: This product is a Hand Operated Compound Mitre Saw and has been designed to be used with special Evolution blades. Only use accessories designed for use in this machine and/or those recommended specifically by Evolution Power Tools Ltd.

When fitted with an appropriate blade this machine can be used to cut:

Mild Steel
Aluminium
Wood
Plastics

PROHIBITED USE OF THIS POWER TOOL

WARNING: This product is a Hand Operated Compound Mitre Saw and must only be used as such. It must not be modified in any way, or used to power any other equipment or drive any other accessories other than those mentioned in this Instruction Manual.

WARNING: This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the safe use of the machine by a person responsible for their safety and who is competent in its safe use.

Children should be supervised to ensure that they do not have access to, and are not allowed to play with, this machine.

ELECTRICAL SAFETY

This machine is fitted with the correct moulded plug and mains lead for the designated market. If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturers or its service agent.

OUTDOOR USE

WARNING: For your protection if this tool is to be used outdoors it should not be exposed to rain, or used in damp locations.

Do not place the tool on damp surfaces. Use a clean, dry workbench if available. For added protection use a residual current device (R.C.D.) that will interrupt the supply if the leakage current to earth exceeds 30mA for 30ms. Always check the operation of the residual current device (R.C.D.) before using the machine.

If an extension cable is required it must be a suitable type for use outdoors and so labelled. The manufacturers instructions should be followed when using an extension cable.

POWER TOOL GENERAL SAFETY INSTRUCTIONS

- Follow all these instructions before and while you are working with the saw.
- Keep these instructions in a safe place.
- Avoid body contact with earthed components.
- When equipment is not being used it should be kept in a dry, closed place out of children's reach.
- You will work better and more safely if you keep your tools sharp and clean. Check the power cable regularly and have it replaced by an authorized specialist at the first sign of any damage.
- Check your extension cables regularly and replace them if damaged.
- When working outdoors, use only extension cables that are approved for outdoor use and which are marked accordingly.
- Concentrate on what you are doing. Take a sensible attitude to your work. Never use the tool when you are tired.
- Never use a tool with a switch that cannot be turned on and off.
- Caution! The use of plug-in tools and accessories other than those intended may put you at risk of injury.
- The machine is equipped with a safety switch to prevent it being switched on again accidentally after a power failure (in table saw mode).
- Never use the saw to cut round timber.
- Check the power cable. Never use a faulty or damaged power cable.
- Do not use the cable to pull the plug out of the socket-outlet. Protect the cable from heat, oil and sharp edges.
- We recommend that you wear non-slip shoes when working outdoors.
- Keep long hair in a hair net.
- Avoid abnormal working postures.
- An untidy work area may result in accidents.
- Do not allow other persons, particularly children, to touch the tool or the power cable. Keep them away from your workplace.
- The splitter is an important safety device. Not only does it guide the workpiece, it also prevents the kerf closing behind the blade so that there is no kickback from the workpiece. Note the thickness of the splitter, the splitter should never be thinner than the saw blade body or thicker than the width of its kerf.

- The upper saw blade guard has to be lowered over the workpiece for each cut.
- Be sure to use a push stick when slitting narrow workpieces smaller than 120 mm in width or a push block when slitting narrow workpieces smaller than 30 mm in width.

IMPORTANT: Never use this saw to make plunge cuts.

- Always stand to the side of the saw blade when working with the mitre saw.
- Make sure that off-cuts do not catch on the saw blade crown or they may be catapulted into the surrounding area.
- If the sawing gap is worn, replace the table insert.
- To prevent injury from flying sawdust and chips, use the saw only with a suitable vacuum extraction system or standard industrial vacuum cleaner.
- Always pull the plug out of the power socket before adjusting or servicing the machine.
- Give these safety regulations to all persons who work on the machine.
- Do not use this saw to cut fire wood.
- Caution! Hands and fingers may be injured on the rotating saw blade.
- Before you use the machine for the first time, check that the voltage marked on the rating plate is the same as your mains voltage.
- If you need to use an extension cable, make sure its conductor cross-section is big enough for the saw's power consumption. Minimum cross-section: 1.0 mm².
- If you use a cable reel, the complete cable has to be pulled off the reel.
- Never carry the saw by its cable.
- Do not leave the saw in the rain and never use it in damp or wet conditions.
- Provide good lighting.
- Never saw near combustible liquids or gasses.
- Wear suitable work clothes. Loose garments or jewellery may become caught up in the rotating saw blade.
- Operators have to be at least 18 years of age. Trainees of at least 16 years of age are allowed to use the machine only under supervision.
- Keep children away from the machine when it is connected to the power supply.

IMPORTANT:

- Check the power cable. Never use a faulty or damaged power cable.
- Keep your workplace clean of wood scrap and any unnecessary objects.
- Persons working on the machine should

- not be distracted.
- Note the direction of rotation of the motor and saw blade.
- After you have switched off the motor, never slow down the saw blade by applying pressure to its side.
- Fit only blades which are well sharpened and have no cracks or deformations.
- The machine is to be operated only with tools which conform with EN 847-1
- Faulty saw blades have to be replaced immediately.
- Never use saw blades which do not comply with the data specified in this manual.
- Make sure that the arrow on the saw blade complies with the arrow marked on the machine.
- Make certain that the saw blade does not touch the turn table in any setting. To do so, pull out the power plug and tilt the saw blade by hand into the 45° position and the 90° position. If necessary, re-adjust the saw head.
- It is imperative to make sure that all the devices used to cover the saw blade are in good working order.
- Never wedge the hinged guard hood in open position.

HEALTH ADVICE

WARNING: When using this machine, dust particles may be produced. In some instances, depending on the materials you are working with, this dust can be particularly harmful. If you suspect that paint on the surface of material you wish to cut contains lead, seek professional advice. Lead based paints should only be removed by a professional and you should not attempt to remove it yourself. Once the dust has been deposited on surfaces, hand to mouth contact can result in the ingestion of lead.

Exposure to even low levels of lead can cause irreversible brain and nervous system damage. The young and unborn children are particularly vulnerable. You are advised to consider the risks associated with the materials you are working with and to reduce the risk of exposure. As some materials can produce dust that may be hazardous to your health, we recommend the use of an approved face mask with replaceable filters when using this machine.

You should always:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as dust masks that are specially designed to filter microscopic particles.

WARNING: the operation of any power tool can result in foreign objects being thrown towards your eyes, which could result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shield or a full face shield where necessary.

ADDITIONAL SAFETY INSTRUCTIONS - MITRE SAWS

The following specific safety instructions for Mitre Saws are based on the requirements of EN 61029-2-11

BLADE SAFETY

WARNING: Rotating Circular Saw Blades are extremely dangerous and can cause serious injury and amputation. Always keep fingers and hands at least 150mm away from the blade at all times. Never attempt to retrieve sawn material until the cutting head is in the raised position, the guard is fully closed and the saw blade has stopped rotating.

Only use saw blades that are recommended by the manufacturer and as detailed in this manual and that comply with the requirements of EN 847-1.

Do Not use saw blades that are damaged or deformed as they could shatter and cause serious injury to the operator or bystanders.

Do Not use saw blades that are manufactured from high speed steel (HSS).

If the table insert becomes damaged or worn it must be replaced with an identical one available from the manufacturer as detailed in this manual.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Hearing protection should be worn in order to reduce the risk of induced hearing loss.

Eye protection should be worn in order to prevent the possibility of the loss of sight from ejected chippings.

Respiratory protection is also advised as some wood and wood type products especially MDF (Medium Density Fibreboard) can produce dust that can be hazardous to your health.

We recommend the use of an approved face mask with replaceable filters when using this machine in addition to using the dust extraction facility. Gloves should be worn when handling blades or rough material. It is recommended that saw blades should be carried in a holder wherever

practicable. It is not advisable to wear gloves when operating the mitre saw.

SAFE OPERATION

Always ensure that you have selected the correct saw blade for the material being cut.

Do Not use this mitre saw to cut materials other than those specified in this instruction Manual.

When transporting a mitre saw ensure that the cutting head is locked in the 90 degree down position (if a sliding mitre saw ensure that the slide bars are locked). Lift the machine by gripping the outer edges of the base with both hands (if a sliding mitre saw, transport using the handles provided). Under no circumstances shall the machine be lifted or transported using the retractable guard or any part of its operating mechanism.

Before each use check the operation of the retractable guard and its operating mechanism ensuring that there is no damage, and that all moving parts operate smoothly and correctly.

Keep the work bench and floor area clear of all debris including sawdust, chips and off-cuts.

Always check and ensure that the speed marked on the saw blade is at least equal to the no load speed marked on the mitre saw.

Under no circumstances shall a saw blade be used that is marked with a speed that is less than the no load speed marked on the mitre saw.

Where it is necessary to use spacer or reducing rings these must be suitable for the intended purpose and only as recommended by the manufacturer.

The saw blade shall only be replaced as detailed in this Instruction Manual.

Never attempt to retrieve off-cuts or any other part of the work piece until the cutting head is in the raised position, the guard is fully closed and the saw blade has stopped rotating.

PERFORM CUTS CORRECTLY & SAFELY

Wherever practicable always secure the work piece to the saw table using the work clamp where provided.

Always ensure that before each cut the mitre saw is mounted in a stable position.

If needed the mitre saw can be mounted on a wooden base or work bench or attached to a mitre saw stand as detailed in this Instruction Manual.

Long work pieces should be supported on the work supports provided or on appropriate additional work supports.

WARNING: If any parts are missing, do not operate your machine until the missing parts are replaced. Failure to follow this rule could result in serious personal injury.

**ADDITIONAL SAFETY ADVICE
CARRYING YOUR TABLE MITRE SAW****Safety Advice**

- **Although compact, this saw is heavy.** To reduce the risk of back injury, get competent help whenever you have to lift the saw.
- **To reduce the risk of back injury, hold the tool close to your body when lifting.** Bending your knees so you can lift with your legs, not your back. Lift by using the handhold areas at each side of the machines base.
- **Never carry the Table Mitre Saw by the power cord.** Carrying the tool by the power cord could cause damage to the insulation or the wire connections resulting in electric shock or fire.
- **Before moving the saw tighten the mitre and bevel locking screws to guard against sudden unexpected movement.**
- **Lock the Cutting Head in its lowest position.** Ensure that the Cutting Head Locking Pin is completely engaged in its socket.

WARNING: Do not use the blade guard as a 'lifting point'. The power cord must be removed from the power supply before attempting to move the machine.

- Lock the Cutting Head in the down position using the Cutting Head locking pin.
- Loosen the Mitre Angle Locking Screw. Turn the table to either of its maximum settings.
- Lock the table in position using the Locking Screw.
- Use the two carry handle cut-outs machined into either side of the machine base, to transport the machine.

Place the saw on a secure stationary work surface and check the saw over carefully.

Check particularly the operation of all the machines safety features before attempting to operate the machine.

GETTING STARTED - UNPACKING

Caution: This packaging contains sharp objects. Take care when unpacking. Remove the machine, together with the accessories supplied from the packaging. Check carefully to ensure that the machine is in good condition and account for all the accessories listed in this manual.

Also make sure that all the accessories are complete. If any parts are found to be missing, the machine and its accessories should be returned together in their original packaging to the retailer. Do not throw the packaging away; keep it safe throughout the guarantee period. Dispose of the packaging in an environmentally responsible manner. Recycle if possible. Do not let children play with empty plastic bags due to the risk of suffocation.

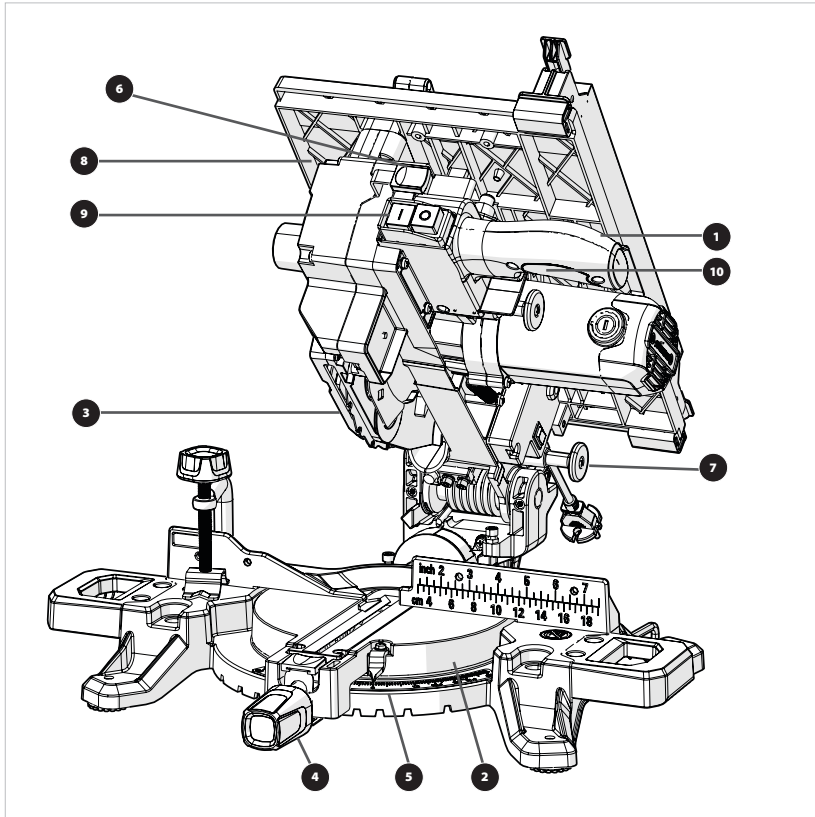
ITEMS SUPPLIED

| Description | 116-0001, 116-0002, 116-0003, 116-0004 |
|-------------------------------|---|
| Instruction Manual | ✓ |
| Hold Down Clamp | ✓ |
| Push Stick | ✓ |
| Pin Spanner (Blade Change) | ✓ |
| Double ended hex key 6-5mm | ✓ |
| Multi-Purpose Blade | ✓ |
| Rip Fence | ✓ |
| Dust bag | ✓ |
| Table saw guard | ✓ |
| Base side extensions x 2 | ✓ |

ADDITIONAL ACCESSORIES

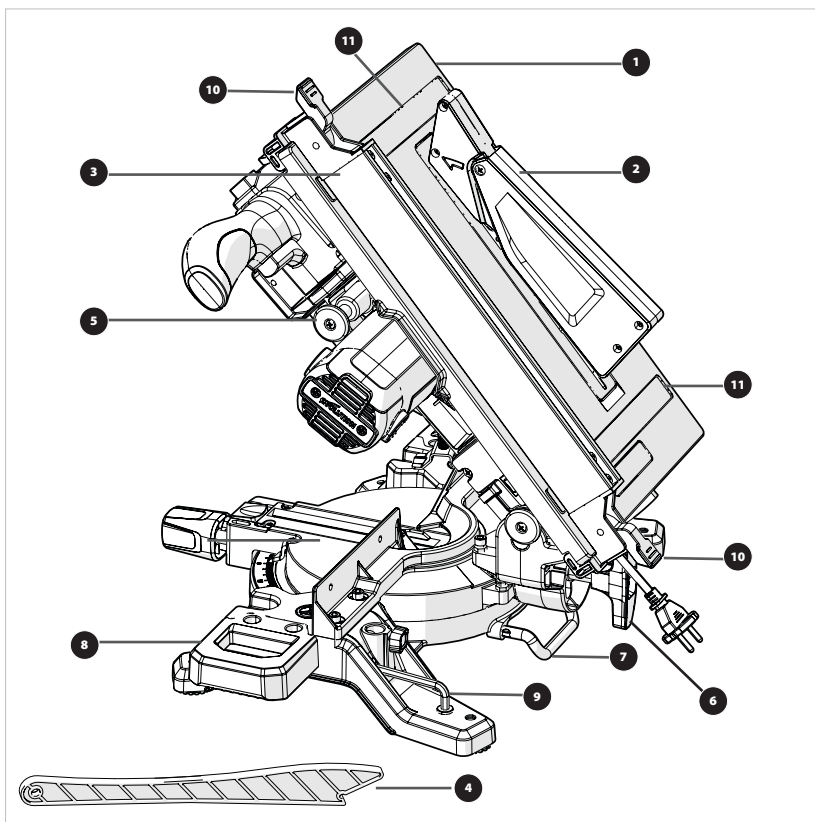
In addition to the standard items supplied with this machine the following accessories are also available from the Evolution online shop at www.evolutionpowertools.com or from your local retailer.

| Description | Part No |
|----------------------------------|-------------------|
| RAGE Multi-Material TCT Blade | RAGEBLADE210MULTI |
| 210mm General wood blade | GW210TCT-30 |
| 210mm Fine wood blade | FW210TCT-40 |
| 210mm Diamond blade | D210CON |
| Mitre saw stand | 005-0001 |
| Mitre saw stand + | 005-0005 |

R210MTS-G2 MACHINE OVERVIEW

1. CUTTING HANDLE
2. ROTARY TABLE
3. RETRACTABLE LOWER BLADE GUARD
4. MITRE ANGLE LOCKING HANDLE
5. MITRE ANGLE SCALE
6. CUTTING HEAD RELEASE LEVER
7. CUTTING HEAD LOCK DOWN PIN
8. PUSH STICK STORAGE
9. TABLE SAW ON/OFF SWITCH
10. MITRE SAW ON/OFF TRIGGER

R210MTS-G2 MACHINE OVERVIEW



1. TABLE TOP
2. TABLE SAW GUARD
3. RIP FENCE
4. PUSH STICK
5. TABLE/MITRE MODE PIN
6. BEVEL LOCKING LEVER
7. REAR STABILISING ARM
8. WORKPIECE SUPPORTS (X2)
9. TOOL STORAGE
10. RIP FENCE LOCKING LEVERS (X2)
11. TABLE TOP SCALES

GETTING STARTED

WARNING: ALWAYS DISCONNECT THE SAW FROM THE POWER SOURCE BEFORE MAKING ANY ADJUSTMENTS.

PERMANENTLY MOUNTING THE R210MTS-G2 TABLE/MITRE SAW (Fig. 1)

WARNING: To reduce the risk of injury from unexpected saw movement, place the saw in the desired location either on a workbench or other recommended leg set. The base of the saw has four holes to mount the mitre saw. If the saw is to be used in one location, permanently fasten it to the workbench or leg set using appropriate bolts with lock washers and nuts.

1. Tighten the mitre and bevel locks.
2. Position the saw so other people cannot stand behind it. Thrown debris could injure people in its path.
3. Place the saw on a firm, level surface where there is plenty of room for handling and properly supporting the workpiece.
4. Support the saw so that the table is level and the saw does not rock.
5. Bolt or clamp the saw to its support.

REAR STABILISING BAR

Extend bar to the rear of the machine (Fig. 2)

TABLE SAW GUARD

To fit the table saw guard:

- Using the hex key loosen the 2 hex screws
- Fit the table saw guard assembly (Fig.3)
- Tighten the 2 hex screws

INSTALLING/REMOVING BLADE

WARNING: Only use genuine Evolution blades which are designed for use in this machine. Ensure that the maximum speed of the blade is compatible with the machine. Only perform this operation with the machine disconnected from the mains supply.

Note: It is recommended that the operator considers wearing protective gloves when handling the blade during installation or when changing the machines blade.

To change a blade:

- Pull out pin (Fig. 4) to release the motor.
- Slightly push down on the cutting head handle.
- Pull out the cutting head latching pin and allow the cutting head to rise to its upmost position. (Fig. 5)
- Use the pin spanner (provided) to hold the outer blade flange.
- Use the hex key (provided) to unscrew the arbor screw. (Fig. 6)

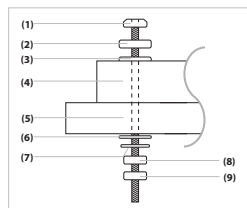


Fig. 1
 1) Hex headed bolt 6) Flat washer
 2) Spring washer 7) Spring washer
 3) Flat washer 8) Hex nut
 4) Mitre saw base 9) Lock nut
 5) Workbench

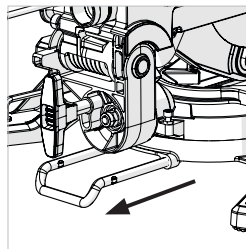


Fig. 2

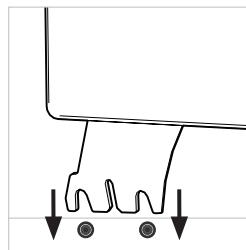


Fig. 3

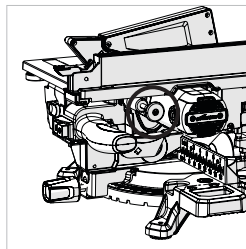


Fig. 4

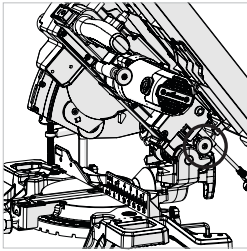


Fig. 5

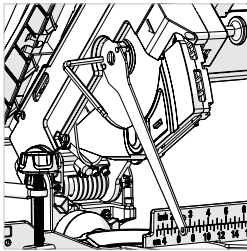


Fig. 6

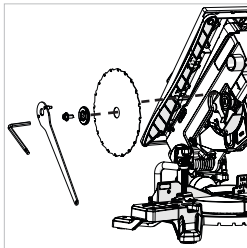


Fig. 7

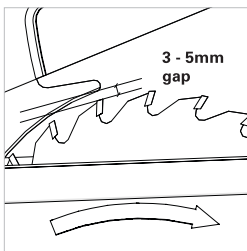


Fig. 8

Note: The arbor screw has a Left Hand thread. Turn clockwise to undo and counterclockwise to tighten.

- Remove the arbor screw and outer blade flange.
- Retract the lower blade guard by pressing cutting head release lever and rotate lower guard upwards exposing the blade.
- Remove the blade by withdrawing it outwards to clear the end of the arbor and then downwards and forwards away from the machine. (Fig.7)

Riving Knife

The Riving Knife is a very important component and comes fitted to the upper blade guard. The Riving Knife prevents the work from binding as it passes through the blade. Inspect the Riving Knife at regular intervals and replace it if it is worn or damaged.

The Riving Knife should be adjusted so that the gap between the tips of the blade teeth and the edge of the Riving Knife is approximately 3-5mm. (Fig. 8)

To adjust the Riving Knife loosen the two fixing screws (Fig. 9) slightly using an allen key. When correct alignment is achieved tighten the fixing screws.

Note: Use only a genuine Evolution upper blade guard assembly, as this is a dedicated component for this machine. Non genuine parts could be dangerous. If in any doubt, please contact the Helpline.

TO CONFIGURE THE R210MTS-G2 FOR USE AS A MITRE SAW

WARNING: Only carry out this procedure with the machine disconnected from the power source.

Caution: The R210MTS-G2 has many built in safety features and safety interlocks. It is important that the following instructions, are read, understood and acted upon. Failure to carry out the configuration procedure could result in damage to the machine and/or injury to the operator.

- Pull out pin (Fig. 4) to release the motor.
- Slightly push down on the cutting head handle.
- Pull out the cutting head latching pin and allow the cutting head to rise to its upmost position. (Fig. 5)

The R210MTS-G2 is now ready to use as a mitre saw.

WORKPIECE SUPPORTS

Workpiece supports must be fitted to both sides of the machine (**Fig.10**)

HOLD DOWN CLAMP

A Hold Down clamp is supplied with the R210MTS-G2. Two sockets (one on either side) are incorporated into the rear of the machines fence. (**Fig. 11**)

- Fit the pillar of the clamp into the socket that best suits the cutting application, ensuring that it is pushed fully down.
- Tighten the fence thumbscrew to lock the pillar of the hold down clamp into the fence socket.
- Put the workpiece onto the rotary table and against the fence.
- Adjust the hold down clamp so that it securely holds the workpiece to the rotary table.
- Before attempting any cutting check to ensure that the clamp does not interfere with the blade path as the cutting head is lowered.

OPERATING INSTRUCTIONS MITRE SAW CONFIGURATION

1. Releasing the Cutting Head

Note: When configured in mitre saw mode the cutting head will be automatically locked in its upper position with the retractable lower blade guard completely covering the blade teeth.

To release the cutting head press and hold the cutting head release lever. (**Fig. 12**)

Gently press down on the cutting head handle to lower the cutting head. The operation of the retractable lower blade guard is automatic, when in contact with the workpiece.

2. Body and Hand position (Fig. 13)

- Never place hands within the 'no hands zone' (at least 150mm away from the blade). Pictograms on the machines rotary table are provided as an aid to safe working practices. Keep hands away from the path of the blade.
- Hold the workpiece firmly to the fence to prevent any movement. Use a hold down clamp if possible but check that it is positioned that it does not interfere with the path of the blade or other moving machine parts.
- Before attempting a cut, make a 'dry run' with the power off so that you can see the path of the blade.
- Keep hands in position until the ON/OFF trigger has been released and the blade has completely stopped.

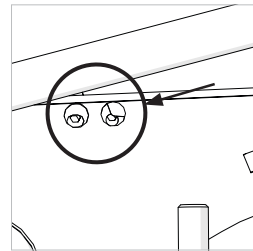


Fig. 9

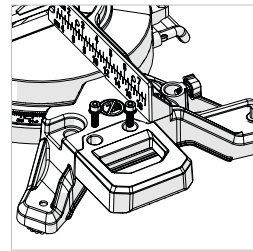


Fig. 10

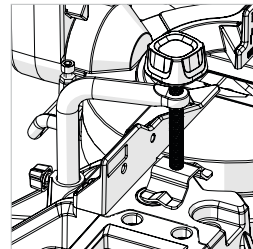


Fig. 11

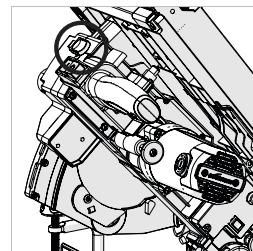


Fig. 12

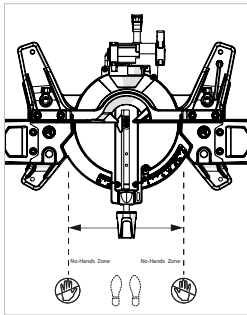


Fig. 13

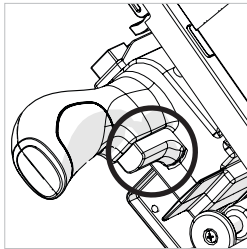


Fig. 14

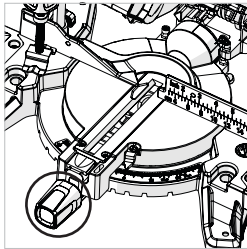


Fig. 15

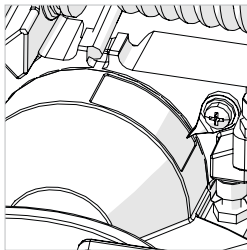


Fig. 16

3. The Mitre Saw On/Off Trigger Switch Operation

Operate the switch to turn on the machines motor. Release the switch to turn off the machines motor. (Fig. 14)

4. Chop Cutting

The Cutting Head is gently pushed down to cut through the workpiece.

- Place the workpiece on the Rotary Table and against the fence in the desired position. Secure with clamp(s) as appropriate.
- Grasp the cutting Handle.
- Turn on the motor using the trigger switch and allow the blade to reach full operating speed.
- Press and hold the cutting head Release Lever to release the cutting head.
- Gently lower the cutting head to its lowest position, cutting through the workpiece.
- After the cut is completed, turn off the motor by releasing the trigger switch. Allow the blade to come to a complete stop. Allow the cutting head to rise to its upper position.
- Only remove your hands or the workpiece from the machine when the cutting head is in its upper position with the blade teeth completely covered by the retractable blade guard.

5. Mitre Cutting

Any angle from 46° left to 46° right is available, and a protractor scale can be found to the front of the rotary table. Positive stops are provided for 0°, 15°, 22.5°, 31.6° & 45° left and right of angular movement.

Note: The rotary table must always be locked into position with the Mitre Angle Locking handle even if a positive stop is selected.

To select a Mitre Angle:

- Loosen the mitre angle locking handle. (Fig.15)
- Turn the rotary table to the required angle.
- Tighten the mitre angle locking handle securely when the desired angle has been selected.

A mitre cut can now be made using the same techniques as previously described in chop cutting.

6. Bevel Cutting

The cutting head can be set at any angle up to 47° to the left hand side only.

The bevel locking lever is found at the rear of the machine.

A protractor guide and pointer are incorporated into the bevel mechanism to aid setting. (Fig.16)

To set a Bevel Angle:

- Loosen the bevel lock handle
- Tilt the cutting head to the desired angle. Use the protractor guide to aid with setting.
- Ensure that the bevel lock handle is securely tightened when the desired angle has been achieved.

A bevel cut can now be made using the same techniques as previously outlined.

Note: Always make a 'dry run' with the machine switched 'off' so that the path of the blade can be checked. Some bevel and compound cuts may require the hold down clamp to be positioned to the RH side of the cutting head. This may be necessary to avoid interference with the blade and other parts of the machine as the cutting head is lowered.

7. Compound Cutting

A compound cut is a combination of a mitre cut and bevel cut.

- Set the mitre angle required as previously described.
- Set the bevel angle as previously described.
- Ensure the tightness of all adjustment/locking screws, and conduct a 'dry run' to check the path of the blade.
- Make the cut as previously described.

8. Clearing Jammed Material

- Turn mitre saw "OFF" and allow the blade to come to a complete halt.
- If possible allow the cutting head to rise to its upper position.
- Unplug the mitre saw from the mains supply.
- Carefully remove any jammed material from the machine.

TO CONFIGURE THE R210MTS-G2 FOR USE AS A TABLE SAW

WARNING: Do not cut metal or metallic materials when the machine is configured as a table saw.

WARNING: Only carry out this procedure with the machine disconnected from the power supply.

- Ensure that the Rotary Table is set at 0° Mitre angle and the cutting head is set at 0° Bevel angle.
- Lower the cutting head to the fully down position. Push the cutting head latching pin into its socket. **(Fig. 17)**
- Retract motor latching pin and rotate motor upwards. **(Fig. 18)**

The R210MTS-G2 is now ready to use as a Table Saw. **(Fig. 19)**

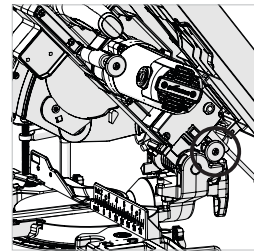


Fig. 17

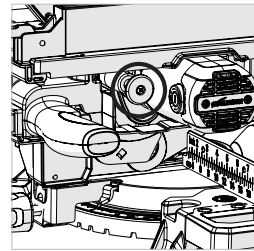


Fig. 18

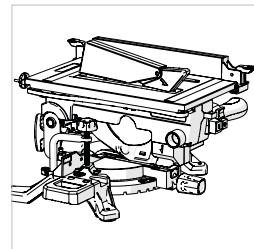


Fig. 19

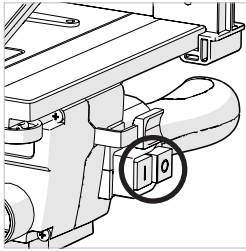


Fig. 20

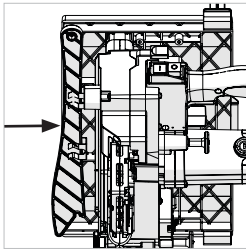


Fig. 21

FENCE ASSEMBLY AS A RIP FENCE

To use the Fence Assembly as a Rip Fence the Face Plate must be accurately aligned with the blade.

WARNING: Only carry out this procedure with the machine disconnected from the power supply.

To Align the Rip Fence:

- Set the bevel to 0° using the table measurement scales.
- Align the fence using the table top scales and lock in place with the 2 locking levers.

BASIC TABLE SAW OPERATIONS

WARNING: Do not cut metal or metallic materials when the machine is configured as a Table Saw.

WARNING: Never attempt freehand cuts on this machine. Always use a correctly adjusted Rip Fence to minimise the possibility of the blade binding and kickback.

WARNING: This machine is not suitable for cutting rebates or stopped grooves.

Note: A workshop dust extraction device can be connected to the extraction port found at the front left hand side of the machine if required.

1. Table Saw On/Off Switches (Fig. 20)

- Push the Green (I) button to start the motor.
- Push the Red (O) button to stop the motor.

2. Rip cutting

Note: Check that the Rip Fence is locked in position and is parallel to the saw blade. Check that the riving knife is properly aligned with the saw blade.

When ripping small section material a Push Stick should be used to feed/guide the final 300mm of the material past the blade. A Push Stick should always be used when making cuts of less than 300mm.

Note: A Push Stick is provided with the R210MTS-G2 and has a dedicated storage position to the front of the machine.

We recommend that when not in use the Push Stick is stored on the machine. (Fig.21)

When ripping long boards or large panels always use a remote work support or enlist competent trained help. Hands should never be in line with the blade.

Note: If the push stick becomes damaged it should be replaced.

CHECKING AND SETTING OF BEVEL ANGLES

WARNING: Before making any adjustments ensure that the machine is disconnected from the power supply.

Note: While all angular settings have been factory set, checking and adjustment may be required as a consequence of normal operational wear and tear.

Note: To check and adjust the bevel angles the machine must be in mitre saw configuration.

0° BEVEL ANGLE

At 0° Bevel Angle the blade should be perpendicular and at exactly 90° to the Rotary Table. An accurate engineers square (not supplied) is needed to check the 0° Bevel Angle.

To check:

- Ensure that the cutting head is in the vertical position, against its stop with the bevel pointer indicating 0° bevel angle.
- Tighten the bevel lock handle.
- Lower the cutting head to its lowest position. Lock in place using head locking pin and manually raise lower blade guard.
- The engineers square can now be used to check the angle between the blade and the rotary table.

If adjustment is required:

Note: The cutting head will need to be tilted to gain access to the 0° bevel stop adjustment screw.

- Loosen slightly the 0° bevel stop adjustment screw locknut. (**Fig. 22**)
- Use an allen key to turn the bevel stop screw clockwise or counterclockwise as required.
- When exact alignment between the blade and rotary table is achieved, tighten the locknut.

45° BEVEL ANGLE

The 45° bevel angle can be checked in a similar manner to the 0° bevel angle. An accurate 45° engineers set square (not supplied) will be required.

To check:

- Ensure that the cutting head is tilted to the 45° position, against its stop, with the bevel pointer indicating 45° bevel angle.
- Tighten the bevel lock handle.
- Lower the cutting head to its lowest position. Lock in place using head locking pin and manually raise lower blade guard.
- Use the engineers 45° set square to check the angle of between the blade and the rotary table.

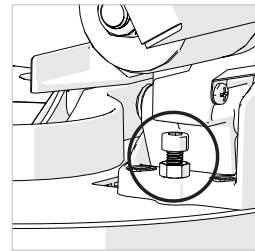


Fig. 22

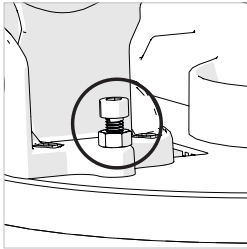


Fig. 23

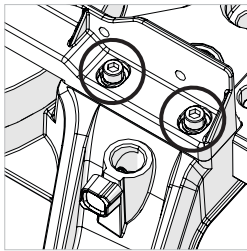


Fig. 24a

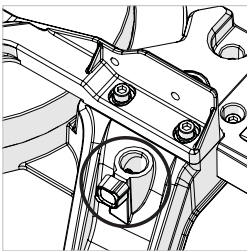


Fig. 24b

If adjustment is required:

Note: The Cutting Head will need to be tilted to gain access to the 45° Bevel Stop Adjustment Screw.

- Loosen slightly the 45° Bevel Stop Adjustment Screw locknut. (**Fig. 23**)
- Use a Hex Key to turn the Bevel Stop Screw clockwise or counterclockwise as required.
- When exact alignment between the blade and Rotary Table is achieved, tighten the locknut.

FENCE ADJUSTMENT (Fig. 24a & 24b)

The Fence is fastened to the machines base by four socket head screws, two on either side. These Screws are located in elongated holes, which enable the Fence to be repositioned as required.

The Fence should be set at exactly 90° to a correctly installed blade. An accurate Engineers Square (not supplied) will be required to precisely position the Fence.

To reposition the Fence:

- Set the Rotary Table to 0° Mitre Angle.
- Set the Cutting Head to 0° Bevel Angle.
- Slightly loosen the four Fence socket head screws.
- Lower the Cutting Head to its lowest position.
- Check the alignment of the Fence with the Blade using the Engineers Square.
- Align the Fence as necessary and then tighten the socket head screws.

MAINTENANCE AND ADJUSTMENTS

WARNING: Ensure that the machine is disconnected from the mains supply before any maintenance tasks or adjustments are attempted.

Cleaning

After each use the machine should be cleaned. Remove all sawdust etc from the visible parts of the machine with a vacuum cleaner. A vacuum cleaner can also be connected to the machine dust extraction port at the rear of the machine. This should remove debris from the inside of the machine. Never use solvents to clean plastic parts, as solvents can damage them. Clean only with a soft slightly damp cloth.

In order to extend the service life of the tool, oil the rotary parts once monthly. Do not oil the motor. When cleaning the plastic do not use corrosive products.

WARNING: Water must never come into contact with the tool.

ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



EC DECLARATION OF CONFORMITY**The manufacturer of the product covered by this Declaration is:****UK:** Evolution Power Tools Ltd. Venture One, Longacre Close, Holbrook Industrial Estate, Sheffield, S20 3FR.**FR:** Evolution Power Tools SAS. 61 Avenue Lafontaine, 33560, Carbon-Blanc, Bordeaux, France.

The manufacturer hereby declares that the machine as detailed in this declaration fulfils all the relevant provisions of the Machinery Directive and other appropriate directives as detailed below.

The manufacture further declares that the machine as detailed in this declaration, where applicable, fulfils the relevant provisions of the Essential Health and Safety requirements.

The Directives covered by this Declaration are as detailed below:

| | |
|--------------------------|---|
| 2006/42/EC. | Machinery Directive. |
| 2014/30/EU. | Electromagnetic Compatibility Directive |
| 2011/65/EU. & | The Restriction of the Use of certain Hazardous |
| 2015/863/EU. | Substances in Electrical Equipment (RoHS) Directive |
| 2012/19/EU. | The Waste Electrical and Electronic Equipment (WEEE) Directive. |

And is in conformity with the applicable requirements of the following documents:

**EN 61029-1:2009+A11 • EN 61029-2-11:2012+A11 • EN 55014-1:2017+A11:2020 •
EN IEC 55014-1:2021 • EN IEC 55014-2:2021 • EN IEC 61000-3-2:2019+A1 •
EN IEC 61000-3-11:2019**

EC type approval to 2006/42/EC Article 12 Section 3b Machinery

Notified Body: TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Notified Body No.: 0197 Reg. No.: BM 50592380 0001

Product Details

Description: R210MTS G2 210mm MULTI-MATERIAL TABLE/MITRE SAW
Evolution Model No: 116-0001, 116-0002, 116-0003, 116-0004
Brand Name: EVOLUTION
Voltage: 220-240V~ 50Hz
Input: 1500W

The technical documentation required to demonstrate that the product meets the requirements of directive has been compiled and is available for inspection by the relevant enforcement authorities, and verifies that our technical file contains the documents listed above and that they are the correct standards for the product as detailed above.

Name and address of technical documentation holder.

Signed:

Print: Barry Bloomer

Supply Chain & Procurement Director

Date:

08/02/22

UK: Evolution Power Tools Ltd. Venture One, Longacre Close, Holbrook Industrial Estate, Sheffield, S20 3FR.**FR:** Evolution Power Tools SAS. 61 Avenue Lafontaine, 33560, Carbon-Blanc, Bordeaux, France.

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The Directives covered by this Declaration are as detailed below:

UK legislation_Supply of Machinery (Safety) Regulations 2008;
UK legislation_Electromagnetic Compatibility Regulations 2016;
UK legislation_The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

And is in conformity with the applicable requirements of the following documents:

BS EN 61029-1:2009+A11 • BS EN 61029-2-11:2012+A11 • BS EN IEC 55014-1:2021 •
BS EN IEC 55014-2:2021 • BS EN IEC 61000-3-2:2019+A1 • BS EN IEC 61000-3-11:2019

Type-examination UK Regulations SI 2008 No. 1597

Notified Body: TUV Rheinland UK Ltd. – Friars Gate (Third Floor), 1011 Stratford Road, Shirley, Solihull, B90 4BN

Notified Body No.: 8400 Reg. No.: A6 50541548 0001

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Notes

Notes

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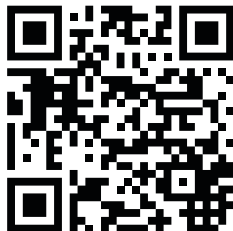
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