

 **Operating and  
Safety Instruction**

 **Gebrauchs- und  
Sicherheitsanweisung**

 **Bedienings- en veiligheids-  
voorschriften**

 **Istruzioni Per L'uso E La  
Sicurezza**

 **Instructions D'utilisation &  
Consignes De Sécurité**

 **Instrucciones De Funcionamiento  
Y Seguridad**



Thank you for purchasing this Triton tool. These instructions contain information necessary for safe and effective operation of this product.

Please read this manual to make sure you get the full benefit of this unique Triton product. Keep this manual close to hand and ensure all users of this tool have read and fully understand the instructions.

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## SYMBOLS



Always wear ear, eye and respiratory protection.



**WARNING.** To reduce the risk of injury, user must read instruction manual.



Instruction warning.

## GUARANTEE

To register your guarantee visit our web site at [www.tritontools.com](http://www.tritontools.com)\* and enter your details.

Your details will be included on our mailing list (unless indicated otherwise) for information on future releases. Details provided will not be made available to any third party.

## PURCHASE RECORD

Date of Purchase: \_\_\_ / \_\_\_ / \_\_\_

Model: AJA150

Serial Number: \_\_\_\_\_

Retain your receipt as proof of purchase

Triton Precision Power Tools guarantees to the purchaser of this product that if any part proves to be defective due to faulty materials or workmanship within 12 MONTHS from the date of original purchase, Triton will repair, or at its discretion replace, the faulty part free of charge.

This guarantee does not apply to commercial use nor does it extend to normal wear and tear or damage as a result of accident, abuse or misuse.

\* Register online within 30 days.

Terms & conditions apply.

This does not affect your statutory rights

## PARTS LIST

A. Mounting Plate (1)



B. Alignment Disc (1) C. Adaptor Ring (1) D. Adaptor Ring (1)



E. Router Locators (4)



F. Coach Bolts (4)



G. Spring Washers (8)



H. Hex Nuts (4)



I. Top Clamps (4)



J. Wing Nuts (4)



K. Washers (4)



## SAFETY INSTRUCTIONS



**WARNING.** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save these instructions for future use.

### 1. WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause loss of control.

### 2. ELECTRICAL SAFETY

**WARNING.** The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use. Ensure your mains supply voltage is the same as your tool rating plate voltage.

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce the risk of electric shock.
- Ensure that extension cables used with this planer have the right ampere rating for your planer and are in safe electrical condition. Completely unwind cable drum extensions to avoid potential overheating.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not abuse the power lead. Never use the power lead for carrying, pulling or unplugging the power tool. Keep the power lead away from heat, oil, sharp edges or moving parts. Damaged or entangled leads increase the risk of electric shock.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. e. If operating a power tool in a damp location is unavoidable, use an extension lead suitable for outdoor use and a residual current device (RCD) protected supply to reduce the risk of electric shock.

### 3. PERSONAL SAFETY

- Do not use power tools while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Always use safety equipment: wearing eye protection, hearing protection, dust mask, gloves, non-slip safety shoes and hard hat, used in appropriate conditions will reduce personal injuries.
- Wear suitable clothing and footwear. Do not wear loose clothing, neckties, jewellery, or other items which may become caught. Wear non-slip footwear or where appropriate, footwear with protective toe caps. Long hair should be covered or tied back.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Avoid accidental starting. Ensure the switch is in the 'Off' position before plugging in. Carrying power tools with your finger on the switch or connecting to power with the switch on the 'On' position invites accidents.
- If devices are provided for the collection of dust particles, ensure these are connected and correctly used. Use of these devices can reduce dust related hazards.
- Keep hands away from rotating parts.
- After long working periods, external metal parts and accessories may be hot.
- Do not over-reach. Keep secure footing and balance at all times. This enables better control of the power tool in unexpected situations.

### 4. POWER TOOL USE AND CARE

**WARNING.** Before connecting a tool to a power source (mains socket power point receptacle, outlet, etc.) be sure that the voltage supply is the same as that specified on the nameplate of the tool. A power source with a voltage greater than that specified for the tool can result in serious injury to the user, as well as damage to the tool. If in doubt, do not plug in the tool. Using a power source with a voltage less than the nameplate rating is harmful to the motor.

- Using the correct power tool for your application will be safer and produce better results at the rate for which it was designed.
- Do not use the power tool if the 'On/Off' switch is not working correctly. Power tools that cannot be controlled by the switch are dangerous and must be repaired prior to use.
- Disconnect the plug from the power source before making any adjustments, changing accessories or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Do not force the tool, or use it for a purpose for which it was not designed, let it work at a reasonable speed. Overloading will occur if too much pressure is applied, and the motor slows, resulting in a poor quality result and possible damage to the motor.
- Power tools are dangerous in the hands of untrained users. Store power tools out of reach of children, and do not allow persons who are unfamiliar with the product or these instructions to operate the power tool.

- Maintain power tools. Check for misalignment, binding or breakage of moving parts, and any other condition that may affect the operation of the power tool. If damaged, have the power tool repaired before use. Accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Correctly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- Use the power tool, accessories and tool bits in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be carried out. Failure to use the tool for its intended purposes could result in a hazardous situation and may invalidate the warranty.

### 5. SERVICE

- Have your power tool serviced by a qualified repair technician, using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

## SETTING UP

### Fitting your router

The Alignment Disc (B) provides easy and accurate positioning of the router on the Mounting Plate (A).

First fit a straight cutter to your router. The alignment disc fits onto a 1/2" shank cutter, but if you are fitting a 1/4" or a 5/16" shank cutter, use the appropriate Adaptor Ring (C or D), located in the sides of the disc. The adaptor ring fits into the centre of the alignment disc. It should be fitted to the cutter shank before fitting the cutter to the router.

Fit the mounting plate into the bearing channels of the workcentre.

Set the router height so that the cutter shank protrudes through the hole in the mounting plate. Push the alignment disc onto the shank of the cutter and lock it into the centred position.

Manoeuvre the router until you are able to clip the disc into the hole in the mounting plate. The router is now exactly centred over the hole in the plate.

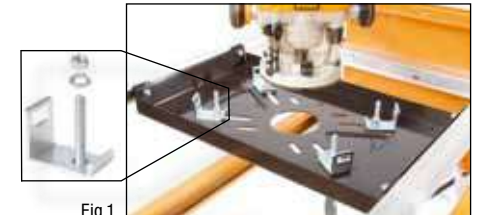


Fig.1.

Fit the four Router Locators (E) to the longer slots in the plate, using the four Coach Bolts (F), Spring Washers (G) and Hex Nuts (H), as shown in Fig.1. **Note** that the lower lip of each locator should fit hard up against the side of the router base. Do not completely tighten the hex nuts yet.

If the router has a round base you should now be able to rotate the router until there are four clear positions on the top edge of the base for fitting the top clamps. The router handles may overhang the edges of the plate, try to keep this overhang to a minimum.

If the router has a square or rectangular base it may be necessary to reposition one or more of the locators until all four top clamps can be fitted. See 'Possible fitting problems' below.

**Note** that the four clamps should be spaced as equally as possible around the router base. Once the locators are correctly positioned, use a spanner to securely tighten the hex nuts. Place the Top Clamps (I) over the coach bolts and hook them into the locators. Note that the bent portions of the top clamps angle downwards.



Fig.2

The top clamps are secured by the Wing Nuts (J), after first placing the Washers (K) and then the Spring Washers (G) onto the coach bolts, as shown in Fig.2.

Remove the alignment disc from the cutter shank and store it for possible future use.

### Possible fitting problems

In cases where a router base obstructs the clamping positions, it is possible to slightly modify a clamp by filing off a corner until it clears the obstruction.

In rare cases where it is still impossible to fit all four clamps, even with modifications, it may be necessary to re-locate one or more of the clamps. Sometimes the jigsaw mounting slots can be used. Alternatively, drill a new hole or holes in the mounting plate.

If your router has a large D-handle, angle the handle diagonally across the mounting plate.

### Overhead routing

Insert the mounting plate into the bearing channels of the workcentre and spray some lubricant into the channels to ensure a smooth slide. The main table of the workcentre is used to support material when overhead routing.

If the router cutter does not reach the workpiece at full cutter depth. Do not raise the table. Use flat packing to raise the workpiece.

**WARNING: If the table has been raised ensure it is lowered when refitting the saw. Failure to lower the table could result in the saw cutting into the subframe bars under the blade slot.**

### Cross trenching

When working with long, wide or heavy pieces, such as shelving, cupboard sides etc., cross trench as shown in Fig.3.



Fig.3.

Where possible, clamp the workpiece in place to avoid movement during cuts. Use the on/off switch on the workcentre instead of the router switch. When making a cut, push the mounting plate not the router.

Prior to starting work, and after each new set-up, slide the assembled mounting plate the full length of the cutting area to ensure that the cutter does not make contact with any part of the workcentre.

For deep trenches, make two or three shallow passes instead of one deep pass. This will result in a smoother, more accurate finish and will also extend the service life of the router cutters.

### Angled trenching

When angle trenching (for louvres, steps, etc.) remove the workstops or crosscut fence and clamp a straight wooden guide across the table at the required angle. When possible clamp the workpiece to the table.

### Stopped trenches

Clamp a piece of scrap wood to the bearing channel to act as a stop block for 'blind' or 'stopped' trenches.

### Fitting your jigsaw

To fit your jigsaw to the mounting plate use the Coach Bolts (F), and only use the top Clamps (I), as shown in Fig.4. Use the Washers (K), Spring Washers (G) and Wing Nuts (J).



Fig.4.

The jigsaw blade should be positioned centrally in its small slot in the mounting plate.

If the size or shape of your jigsaw base is unusual, you may need to relocate one or more of the clamps by drilling the mounting plate. Alternatively, drill holes in the base of your jigsaw and bolt it directly to the plate.

Only use the jigsaw upside down in conjunction with the Triton Router & Jigsaw Table.