

**DEWALT**®

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**DW735-XE**



Fig. A

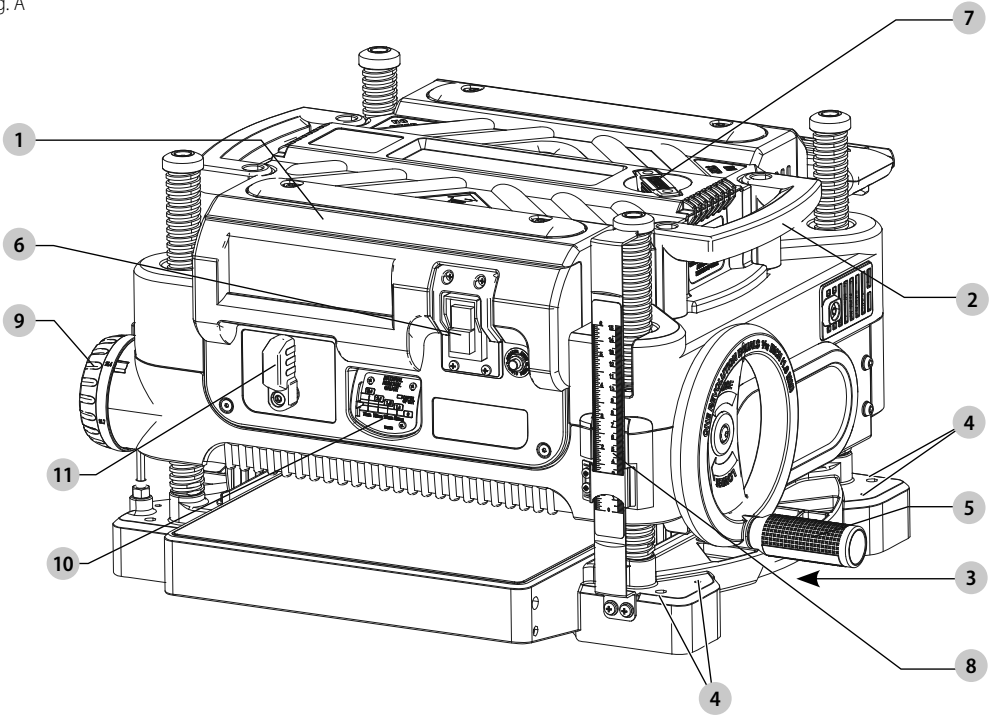


Fig. B

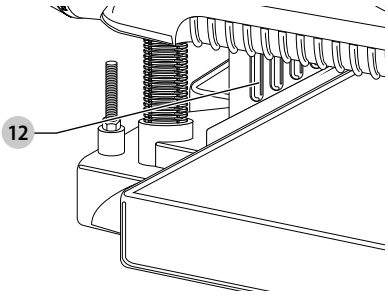


Fig. C

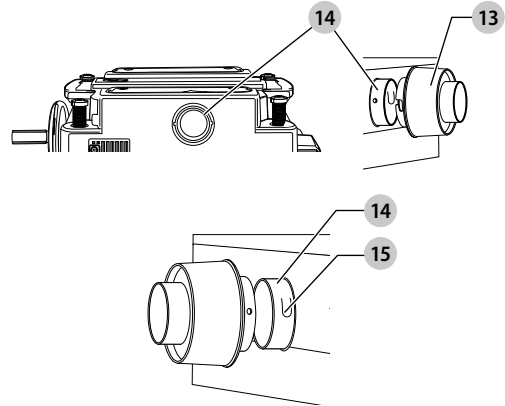


Fig. D

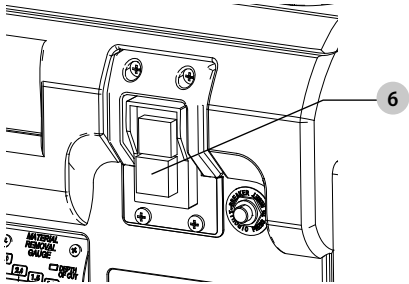


Fig. E

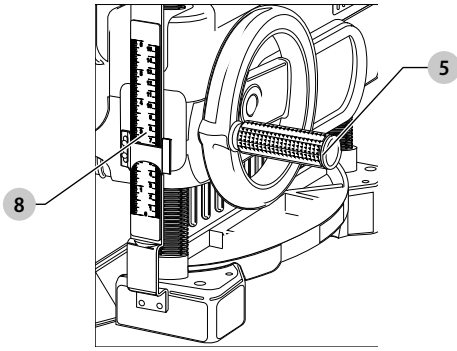


Fig. F

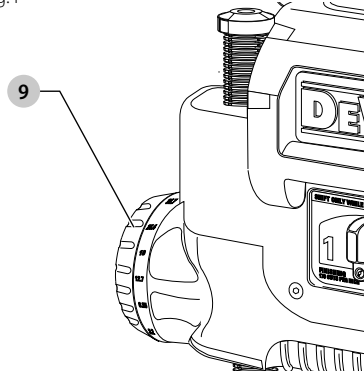


Fig. G

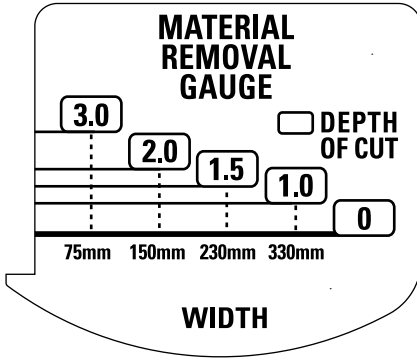


Fig. H

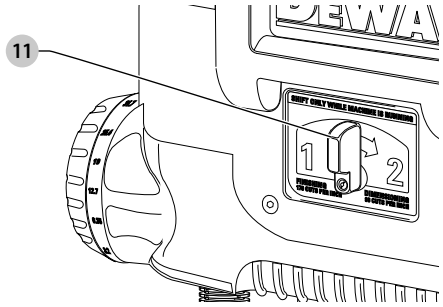


Fig. I



Fig. J

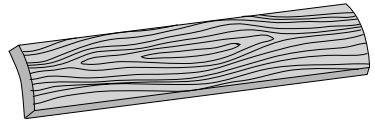


Fig. K

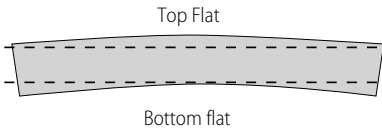
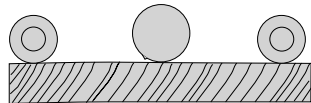


Fig. L

BOWED WOOD WILL BE  
FLATTENED BY FEED ROLLERS AND CUTTERHEAD...



...BUT BOW WILL RETURN AFTER WOOD IS PLANED

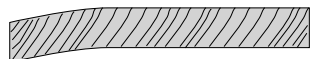


Fig. M

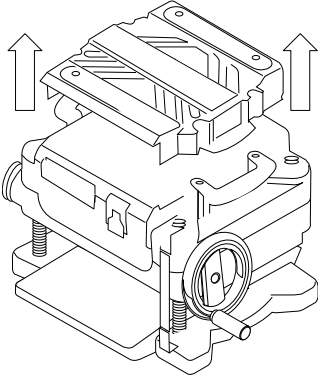


Fig. N

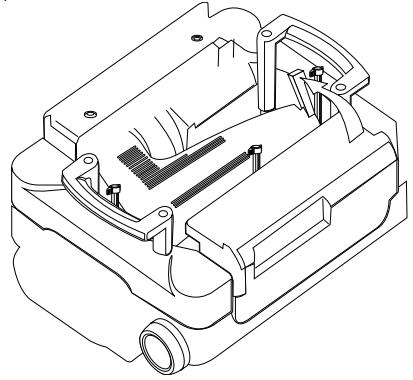


Fig. O

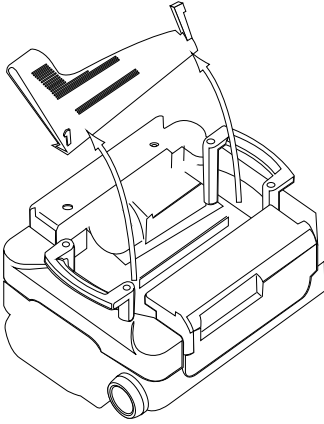


Fig. P

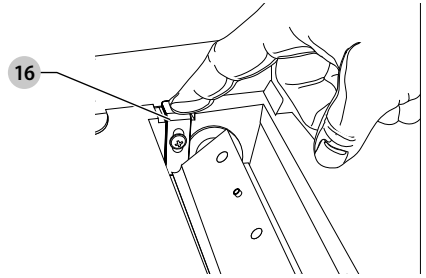


Fig. Q

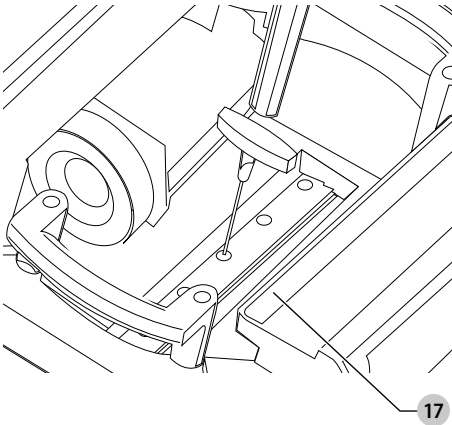


Fig. R

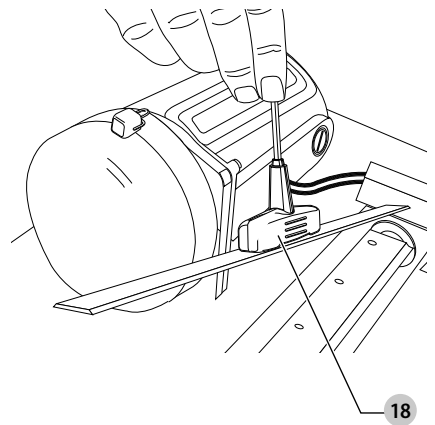


Fig. S

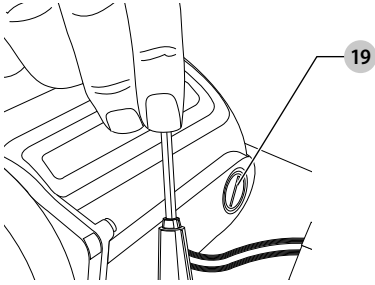


Fig. T

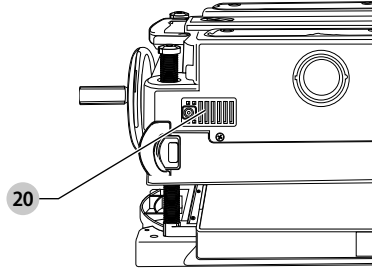


Fig. U

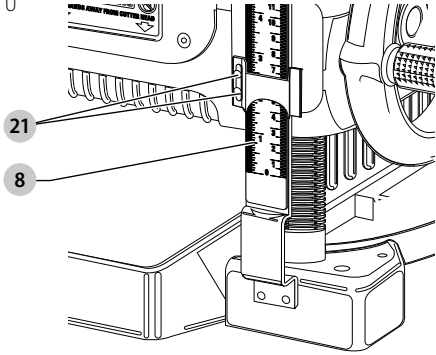


Fig. V

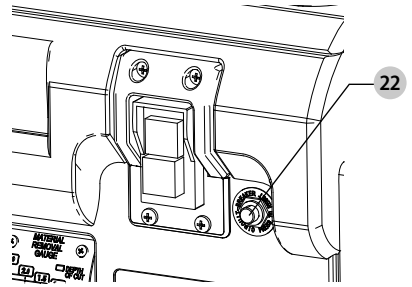


Fig. W

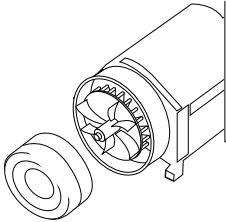


Fig. X

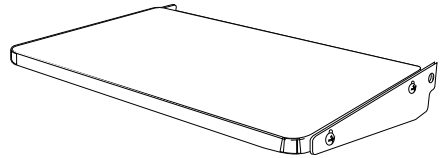


Fig. Y

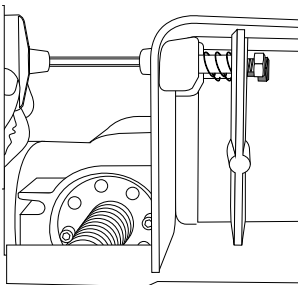
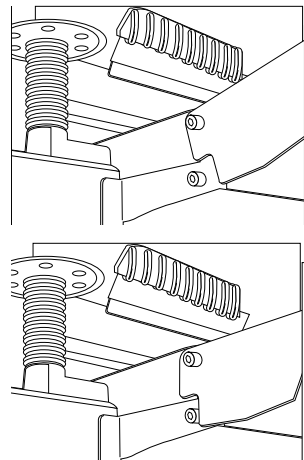


Fig. Z



# HEAVY-DUTY PORTABLE THICKNESS PLANER

## DW735-XE


### Congratulations!

You have chosen a DEWALT tool. Years of experience, thorough product development and innovation make DEWALT one of the most reliable partners for professional power tool users.

### Technical Data


		DW735-XE
Voltage	V <sub>Ac</sub>	230–240
Type		11
Power input	W	1800
No-load/rated speed	min <sup>-1</sup>	10000
Feed Speed	m/min (ft./min)	4.3 (14) or 8.0 (26)
Cutting height (max.)	mm (")	152 (6)
Cutting width (max.)	mm (")	330 mm (13)
Max. cutting depth for max. board width of 152 mm (6")	mm (")	3 mm (1/8)
Weight	kg	38.5
Noise values according to EN62841:		
L <sub>PA</sub> (emission sound pressure level)	dB(A)	90
L <sub>WA</sub> (sound power level)	dB(A)	109.5
K (uncertainty for the given sound level)	dB(A)	3

The vibration and/or noise emission level given in this information sheet has been measured in accordance with a standardised test given in EN62841 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

 **WARNING:** The declared vibration and/or noise emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration and/or noise emission may differ. This may significantly increase the exposure level over the total working period.


An estimation of the level of exposure to vibration and/or noise should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.


Identify additional safety measures to protect the operator from the effects of vibration and/or noise such as: maintain the tool and the accessories, keep the hands warm (relevant for vibration), organisation of work patterns.


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

### Definitions: Safety Guidelines


The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

 **DANGER:** Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.

 **WARNING:** Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.


 **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

**NOTICE:** Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.

 Denotes risk of electric shock.

 Denotes risk of fire.

### General Power Tool Safety Warnings

 **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.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

#### 1) Work Area Safety

- Keep work area clean and well lit.** Cluttered or 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 you to lose control.

#### 2) Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- 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.

- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

### 3) Personal Safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool 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.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) **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.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

### 4) Power Tool Use and Care

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

### 5) Service


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

### Supplemental Safety Rules for Planers

- To avoid injury, never rotate the cutterhead directly with your hands.
- Keep hands away from the underside of the cutterhead carriage.
- Never clear clogs, make cutter knife replacement, or any other repairs/adjustments with unit plugged in.
- Make certain that the switch is in the "OFF" position before connecting plug to a power source.
- Stay alert—never operate the unit when tired or under the influence of drugs, alcohol, or medication.
- Do not use in dangerous environments. Do not use near flammable substances, in damp or wet locations, or expose to rain. Never plane material which is shorter than 12" (304.8 mm) narrower than 3/4" (19.05 mm), or wider than 12" (304.8 mm) or thinner than 1/2" (12.7 mm).
- Exhaust chute: remove shavings with brush or vacuum after power has been shut off and cutterhead has stopped rotating.



- Always locate planer with proper clearance on the outfeed side of the unit to prevent pinching or binding of the workpiece against any obstacle.
- Maintain the proper relationships of infeed and outfeed table surfaces and cutterhead knife path.

 **WARNING:** We recommend the use of a residual current device with a residual current rating of 30mA or less.

## Residual Risks

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided. These are:

- Impairment of hearing.
- Risk of personal injury due to flying particles.
- Risk of burns due to accessories becoming hot during operation.
- Risk of personal injury due to prolonged use.

## Electrical Safety

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.

If the supply cord is damaged, it must be replaced by a specially prepared cord available through the DeWALT service organisation.

### Using an Extension Cable

If an extension cable is required, use an approved 3-core extension cable suitable for the power input of this tool (see **Technical Data**). The minimum conductor size is 1.5 mm<sup>2</sup>; the maximum length is 30 m.

When using a cable reel, always unwind the cable completely.

## Package Contents

The package contains:

- 1 Heavy-duty planer
- 1 Instruction manual
- Check for damage to the tool, parts or accessories which may have occurred during transport.
- Take the time to thoroughly read and understand this manual prior to operation.

## Markings on Tool

The following pictograms are shown on the tool:



Read instruction manual before use.



Wear ear protection.



Wear eye protection.

## Date Code Position

The date code, which also includes the year of manufacture, is printed into the housing.

Example:

2020 XX XX  
Year of Manufacture

## Description (Fig. A)



**WARNING:** Never modify the power tool or any part of it. Damage or personal injury could result.

- 1 Planer
- 2 Side carrying handles
- 3 Base handles
- 4 Bench mounting holes
- 5 Crank handle
- 6 On/off switch
- 7 T-wrench

## Intended Use

This planer is designed for professional wood working.

**DO NOT** use under wet conditions or in the presence of flammable liquids or gases.

**DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision.
- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

## Fan-Assisted Chip Ejection System

Your planer is equipped with a fan-assisted chip ejection system to aid in exhausting chips from the unit. The fan-assisted chip ejection system will work in conjunction with independent dust collection systems.

**NOTE:** It is not recommended that a shop vac be connected to the DW735. The capacity of most vacs does not support the volume of chips ejected during planing. The vacuum hose may clog stopping the flow of chips. It is recommended to use the dust collection system to clean debris from the interior of the tool.

See the **Troubleshooting Guide**, for additional information.

## Automatic Carriage Lock

There is no manual carriage lock on your planer. A device that automatically minimizes the movement that causes snipe during planing is designed into the four threaded posts.

## Transporting the Planer (Fig A)



**WARNING:** For your own safety, it is recommended that two people carry this machine or serious injury could result.

When moving your planer, hold it by the side carrying handles **2** or by the base handles **3** at the base of the planer.

## Bench Mounting (Fig. A)

To facilitate bench mounting, two different sized holes **4** are provided on the four corners of your planer as shown in Figures A. If mounting the planer with bolts, use the larger holes. If mounting the planer with nails or screws, use the smaller holes. It is not necessary to use both sets of holes.

Always mount your planer firmly to a secure surface to prevent movement. To enhance the tool's portability, it can be mounted to a piece of 12.7 mm (1/2") or thicker plywood which can then be clamped to your work support or moved to other work areas and reclamped.

**NOTE:** If you elect to mount your planer to a piece of plywood, make sure that the mounting screws don't protrude from the bottom of the wood. The plywood must sit flush on the work support.



**CAUTION:** The mounting surface should not be warped or otherwise uneven.

## ASSEMBLY AND ADJUSTMENTS



**WARNING:** Do not remove guards (**12**, Fig. B). Serious injury could result.



**WARNING:** To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories.

## To Attach the Depth Adjustment Crank Handle (Fig. A)

1. Remove the screw located in the crank handle shaft.
2. Insert the crank handle **5** over the shaft.
3. Secure in place with the screw and T-wrench **7** provided.

## Dust Ejection Ports (Fig. C)

Your planer comes with a dust ejection port. The round port **14** as shown in Figure. C is for use with a dust collector hose no less than 200 mm (8").

### To Set Up Dust Ejection (Fig. C)



**WARNING:** Do not operate your planer without the dust ejection port locked into place. Do not insert anything into the dust ejection chute unless the planer is unplugged and you are clearing a clog or obstruction in the unit. Do not get your face or eyes near the dust ejection port when the planer is in operation. Serious injury could result.



**WARNING:** A hose no less than 200 mm (8") in length **MUST** be used on the dust ejection port in order to avoid injury.



**WARNING:** Chips are ejected at significant velocity. Keep hands and face clear of dust ejection port.

1. Select the port **14**.
2. Depress the lock button **15** on the chip ejection chute **13**.
3. Slide the notches in the dust port over the pins on the chip ejection chute.
4. Rotate the port until the button engages the dust ejection chute and locks in place.

### To Remove the Dust Ejection Port

1. Use the T-wrench to depress the lock button **15** on the dust chute.
2. Twist the port until the pins are disengaged from the notches on the port.
3. Pull the dust ejection port off of the dust chute.

## OPERATION



**WARNING:** Always observe the safety instructions and applicable regulations.



**WARNING:** To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories.

## On/Off Switch (Fig. A, D)

The on/off switch **6** of your saw bench offers multiple advantages.

- No-volt release function: should the power be shut off for any reason, the switch has to be deliberately reactivated.
- To switch the machine on, press the green start button.
- To switch the machine off, press the red stop button.

## Depth Adjustment

### Depth Adjustment Scale (Fig. A, E)

The depth adjustment scale **8**, located on the right front of your planer, indicates the finished thickness of your workpiece. One rotation of the depth adjustment crank is equal to 1.6 mm (1/16"), half rotation is equal to 0.8 mm (1/32"), etc.

### Depth Adjustment Crank (Fig. A, E)

Turning the crank **5** clockwise lowers the cutterhead. Turning the crank counterclockwise raises the cutterhead.

## Turret Stop (Fig. F)

Your planer is equipped with a turret stop **9** for repetitive planing at pre-set depths. Stops are set at 3 mm (1/8"), 6.5 mm (1/4"), 12.5 (1/2"), 19 mm (3/4"), 25.5 mm (1"), and 32 mm (1-1/4").

### To Set the Minimum Depth to Which the Carriage Can Travel with the Turret Stop

1. Be sure the carriage is set above 32 mm (1-1/4") before trying to set the turret stop.
2. Turn the dial on the front left of the planer until the desired thickness setting aligns with the red indicator, then lower the carriage.

- Plane the workpiece at desired increments until the correct final thickness is achieved.

**NOTE: Do not use force to crank the carriage below the level that the turret stop indicates. Permanent damage to the height adjustment system on your planer will result.**

## Material Removal Gauge (Fig. A, G)

Your planer is equipped with a material removal gauge **10**. It is used to indicate the amount of wood that will be removed in one pass with the carriage set at its current height.

### To Use the Material Removal Gauge

- Slide approximately 75 mm (3") of your material under the middle of the carriage.
- Be sure the wood is lying flat against the base of the planer. If the material is inserted at an angle, the reading may be inaccurate.
- Crank the carriage down on the material until the material removal bar engages the wood. You will see the red arrow begin to move up the scale indicating the amount of material to be removed with the carriage at that height.
- Adjust the carriage height until the desired depth of cut appears on the gauge.
- Pull the material out from under the carriage.
- Turn the unit on and feed your material into the cutterhead.

**NOTE:** Do not exceed the recommended depth of cut for various widths of material recommended on the material removal gauge.



**WARNING: DO NOT switch the unit on with the material positioned under the carriage. Serious injury could result.**

## Speed Selection (Fig. A, H)

**NOTE: Only switch speeds when the planer is running.**

Your planer has the ability to feed material at two different speeds. The two-speed feature was designed to improve efficiency when planing and to provide the best possible surface finish to a variety of materials.

To remove material thickness more quickly, set the speed selector **11** to "2". This setting delivers 96 cuts per inch to the material.

For finishing, set the speed selector **11** to "1". Speed "1" is ideal for ensuring the finest finish on the last pass before your final thickness is achieved.

**NOTE:** When planing particularly hard or figured species of wood, speed "1" is recommended. The slower feed rate will reduce knife wear and tear-out by delivering 179 cuts per inch to the material.

## Planing Basics

### Proper Planing Technique



**WARNING: DO NOT turn the unit on with the material already inserted under the carriage. Wait until the rollers and cutterhead are up to full speed before feeding your material into the machine.**

### To Plane Your Material

- Lower the carriage to the desired height for your first pass.
- Turn the unit on and feed the material into the feed rollers.
- Examine the finished cut and adjust the carriage to the appropriate height for your next pass.

**NOTE:** Flip the board back and forth between each pass as recommended in *Proper Planing Techniques*.

See the *Troubleshooting Guide*, for additional information.

For best results, plane both sides of the workpiece to reach a desired thickness. For example, if you need to remove 1/8" (3 mm) from your workpiece, remove 1/16" (1.6 mm) from each side. This not only allows the workpiece to dry with an even moisture content, it also produces finer cuts.



**WARNING:** Plane only wood that is free from foreign objects, with no loose knots and as few tight knots as possible. Do not plane wood that is severely warped, twisted, knotted or bowed.



**WARNING:** Do not place your body between the rear of the planer and a stationary object while material is feeding. Serious injury could result.

### Minimum/Maximum Width/Height/ Depth (Fig. G)

**NOTE:** Always plane in the direction of the grain. Support the workpiece adequately at all times. Planing material less than 3/4" (19 mm) wide is not recommended. If you must plane narrow material, group several pieces together and plane them as one wide workpiece whenever possible.

The maximum depth of cut your planer can take in one pass is 1/8" (3 mm) [on material less than 6" (152 mm) wide]. Never attempt to modify your planer to take a deeper cut. Follow the recommended depth/width of cut guidelines shown in Table (Fig. G) for best results.

### Snipe

Snipe is a depression made when an unsupported end of your material drops toward the floor, causing the opposite end to lift up into the cutterhead.

### To Avoid Snipe

Feed the workpiece into the planer so it is level and remains flat against the base at all times.

Keep the workpiece level throughout planing operation by receiving or "catching" it from the rear of the planer.

If you are planing material that is especially long, the use of additional material support is recommended.

### Twisted, Cupped and Bowed Wood (Fig. I–L)

If both sides of your material are very rough or if the material is cupped, bowed or twisted, your planer may not produce the desired result. Ideally, you should have at least one level face/surface on your material before you plane. Your thickness planer will work best with material that has been run through a jointer to produce one flat surface. If you do not have at least one flat surface or a jointer, see the following recommendations.

### To Plane Twisted Wood (Fig. I)



**WARNING:** Twisted wood may jam your thickness planer. If a jam occurs, turn the power off, disconnect the power supply and raise the carriage to release the material from the cutterhead.

If your material is only slightly twisted:

Plane both sides alternating from one to the other until the desired thickness is reached.

### To Plane Cupped Wood (Fig. J)

To obtain the best possible results with cupped wood:

Rip the material down the middle and plane it as two separate pieces.

Ripping the material reduces the severity of the cup and allows the machine to deliver better results. Understand that you will have to remove more material on cupped wood to achieve the desired thickness than you would on a normal board.

### If Ripping the Material is Not an Option (Fig. K)

Plane one side of the material until flat, then plane the opposite side until it is also flat.

**NOTE:** Do not flip the board back and forth between each pass as recommended by the general planing directions.

### To Plane Bowed Wood (Fig. L)

The feed rollers and cutterhead in your planer will push the bow out of the material as it feeds. However, when the material exits the planer, the pressure of the rollers and cutterhead will release allowing the wood to spring back into a bowed formation. To properly remove the bow, use a jointer.

## MAINTENANCE

Your DEWALT power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.



**WARNING:** To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories.

### Periodic Maintenance

1. Routinely check the tool for damage or broken parts.
2. Clean the top cover, dust shroud and all accessible areas of the unit of dust and wood debris that have collected in from planing.
3. Wipe off infeed and outfeed rollers.
4. Clean base table. Light waxing will help wood material pass through the planer.
5. Evaluate blade sharpness condition. Replace as necessary.
6. Gauge Calibration, check thickness gauge calibration and turret stop calibration.
7. Check brushes for wear and replace as necessary.

### Changing or Rotating the Planer Knives



**WARNING:** To reduce the risk of serious personal injury, disconnect the planer from the power source before attempting to change or access the knives. An accidental start-up can cause injury.

### To Change Planer Knives (Fig. M-R)

1. Use the T-wrench to remove the four screws in the top of the planer.
2. Lift the top off (Fig. M) and place it aside.
3. Remove the three wing nuts that seal the dust shroud over the cutterhead.
4. Rotate the dust shroud up so the round connection that locks onto the fan housing is in the open position (Fig. N).
5. Push the dust shroud to the left so it disengages from the fan housing.
6. Take the dust shroud out of the unit (Fig. O) and set it aside.
7. The cutterhead is now exposed. If the eight screws in the cutterhead clamp are not visible, use a piece of scrap wood to carefully rotate the cutterhead (Fig. P) until the screws are accessible and the cutterhead lock lever **16** engages. This will prevent further rotation of the cutterhead as you change the knives.



**WARNING:** Keep your fingers away from the cutterhead at all times. Use the tool provided to handle the knives.

8. Use the T-wrench to remove the eight screws on the knife clamp and set them in the small screws bin **17** on the front panel of the planer (Fig. Q).
9. Use the magnets on the top of the T-wrench to attract the knife clamp and lift it off of the cutterhead. One of the knives should now be exposed.
10. Use the magnet **18** on the top of the T-wrench (Fig. R) to attract the knife. Avoid touching it with your fingers.

**NOTE:** Before installing the knife, ensure the cutterhead and knife are free of debris; clean if needed.

### If Only One Side of the Knife is Worn

1. Rotate the knife around so that the sharp, unused edge hangs over the end of the cutterhead where it will cut the material. Be sure to set the oblong holes in the knife over the pins machined on the cutterhead.
2. Reset the knife clamp over the knife. Be sure to align the beveled edge on the clamp with the sharp, cutting edge of the knife. If these are not aligned correctly, the clamp will not secure the knife properly.
3. Install the screws into the clamp and tighten sufficiently.  
**NOTE:** Make sure all screws are tightened sufficiently.

### To Access the Other Two Knives

1. Depress the cutterhead lock lever **16** as shown in Figure P.
2. Use the piece of scrap wood to carefully turn the cutterhead until it locks into place revealing another knife clamp.
3. Follow the same knife change procedure indicated above.
4. Repeat the procedure for the last dull knife.

## After Installing New Knives

1. Insert the round end of the dust shroud into the fan housing and rotate it down to lock it into place.
2. Place the three wing nuts back into the shroud.
3. Screw the top cover of the planer back onto the unit.

**NOTE:** The planer will not operate if the top cover is not placed correctly.

## Brush Change (Fig. S, T)

Your planer is equipped with brush caps **19** that are external to the motor. If your brushes need to be replaced, begin by acquiring a new set from a DEWALT service center or a dealer authorized to service DEWALT products. Use only identical DEWALT brushes.

### To Replace the Brushes on Your Planer (Fig. S, T)

1. Use the T-wrench to remove the top cover and brush cover screen on the planer.
2. Use a flathead screwdriver to unscrew the brush cap located in the right, rear of the unit **20**.
3. Do the same for the brush cap located on the side of the motor, inside the planer cover.
4. Place the new brushes into the brush holders.
5. After installing the brushes, replace the top cover and brush cover screen.
6. Before using the planer, run the unit for 10 minutes to seat new brushes.

**NOTE:** If existing brushes do not need replacing, be sure to maintain the same orientation when you reinstall them.

## Calibrating the Depth Adjustment Scale (Fig. U)

The depth adjustment scale **8** on your planer is set at the factory. However, with extended use, the depth adjustment scale could show an incorrect measurement.


To check the depth adjustment scale, plane a piece of scrap wood, noting the measurement on the depth adjustment scale. Measure the finished thickness of the workpiece. If the thickness of the workpiece does not match the reading on the depth adjustment scale, loosen the two screws **21** on the red indicator. Adjust the pointer up or down until its reading matches the finished thickness of the workpiece. Securely re-tighten the screws.

## Base Maintenance

Keep the table clean and free from oil, grease, and pitch. Treat the table with paste wax to help maintain its smooth finish.

## Circuit Breaker Reset Button (Fig. V)

Your planer is equipped with an 9 amp circuit breaker. If your planer becomes overloaded and stops operating, turn off the planer, let the unit sit for 2 minutes and press the reset button **22** before you resume working.

 **WARNING:** The workpiece should not be in contact with the cutterhead when switching on.

**NOTE:** Circuit breaker overload is often the result of dull knives. Change your knives on a regular basis to avoid tripping your breaker. Check your knives before re-setting the circuit breaker and continuing to plane.


See the **Troubleshooting Guide** for additional information on circuit breaker trips.

## Replacing the Drive Belt

Drive belts are available at extra cost at DEWALT authorized service centers. Replacement of the drive belt should be performed by qualified service personnel.

## Chip Ejection Fan (Fig. N, O, W)


The chip ejection fan on your planer should be cleaned or cleared of debris periodically.

 **WARNING:** Turn off and unplug the planer prior to accessing the chip ejection fan.


### To Access the Fan


1. Remove the top cover of the planer with the T-wrench.
2. Remove the dust shroud (Fig. N, O) and place it aside.
3. Remove the screws and clips around the fan housing.
4. Remove the fan housing and place it aside as shown. The fan will now be exposed for cleaning.

See the **Troubleshooting Guide** for additional information.

 **WARNING:** Be sure to properly attach the fan housing and assemble the shroud and top cover correctly before using your planer again.


## Cleaning

 **WARNING:** Blow dirt and dust out of all air vents with clean, dry air at least once a week. To minimize the risk of eye injury, always wear ANSI Z87.1 approved eye protection when performing this procedure.

 **WARNING:** Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

It is recommended that, once a year, you take or send the tool to a DEWALT certified service center for a thorough cleaning, inspection and lubrication of the gear case.

## Accessories

 **WARNING:** Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.

Recommended accessories for use with your tool are available at extra cost from your local dealer or authorized service center. If you need assistance in locating any accessory, please contact Stanley Black & Decker, 810 Whitehorse Rd., Box Hill VIC 3128, Australia or call 1800 338 002 (Aust) or (NZ) 0800 339 258.

Four accessories are available for the DW735 Thickness Planer.

- DW7350 Mobile Stand
- DW7351 Folding Tables
- DW7352 325 mm Knives
- DW7353 Chip Ejection Accessory

**NOTE:** Helical cutterheads have not been tested with this product and are not recommended for use.

## DW7351 Accessory Folding Tables (Fig. X)



**WARNING:** For your own safety, read the tool instruction manual before attaching the tables. Failure to heed these warnings may result in personal injury and serious damage to the planer and the accessory. When servicing this tool, use only identical replacement parts. Have damaged cords replaced by an authorized service center.

Your DW7351 folding table box should include:

- |                  |                 |
|------------------|-----------------|
| 2 folding tables | 4 nuts          |
| 4 cap screws     | 4 stepped bolts |
| 4 springs        |                 |

## Set-Up and Installation of Base Hardware (Fig. Y, Z)

1. Place planer on a secure table or workbench. Position planer so the front 75–100 mm (3–4") of the base can be accessed from the underside.
2. Secure the rear of the planer to the table/bench with nails or screws to prevent it from tilting or falling from the table.



**WARNING:** The planer could tilt or fall from the table if it is not properly secured opposite the end where the folding table is being installed. Serious injury may result.

3. Place the spring onto the small end of the stepped bolt.
4. Insert the end of the bolt with the spring around it into the larger hole on the side of the base.
5. Push the stepped bolt all the way through the hole in the first rib on the underside of the planer. The spring should engage the rib slightly and the threads should show on the right side of the rib.
6. On the underside of the planer, use a wrench to hold the nut in place while turning the stepped bolt into it. The 5/32" (4 mm) hex wrench can be used to turn the stepped bolt until it is fully secured (Fig. Y).
7. Install the smaller screw into the lower threaded hole on the side of the base. Use the 5/32" (4 mm) hex wrench to tighten that fastener securely.
8. Depress the top pin until it is flush with the base and slide the top hole of the table over the pin and release the pin so they lock together (Fig. Z).
9. To attach the table to the rear of the planer, install the bolts and spring following the above procedure.

Your tables should now fold up and down on the top screw and rest on the bottom screw while in position for planing.

**NOTE:** To transport the planer with the tables, fold them up and carry the unit as recommended by the planer manual.



**WARNING:** For your own safety, it is recommended that two people carry this machine or serious injury could result.

## To Remove the Tables

1. Depress the spring-loaded bolts on the base and slide each end of the table toward you so they disengage the holes in the tables. You may want to use the T-wrench from your planer to push the bolts flush with the base to easily remove the tables.
2. Leave the hardware (stepped bolts and small cap screw) in the base until you need to re-attach the tables.



## Lubrication

Your power tool requires no additional lubrication.

## Protecting the Environment



Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.



Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions. Further information is available at [www.2helpU.com](http://www.2helpU.com).

## Troubleshooting Guide

Problem	Possible Cause	Possible Solution
If the material does not feed properly	Check for dull knives.	Rotate or replace as necessary. Refer to <b><i>Changing or Rotating the Planer Knives</i></b> section.
	Check for excess clogging in the dust ejection port.	Refer to <b><i>Dust Ejection Port</i></b> paragraphs in the <b>Assembly and Adjustments</b> section.
	Check for excess oil/debris/pitch on feed rollers.	Refer to <b><i>Periodic Maintenance</i></b> and <b><i>Cleaning</i></b> paragraphs under the <b>Maintenance</b> section.
	Check for excessively twisted, cupped or bowed material.	Refer to <b><i>Twisted, Cupped and Bowed Wood</i></b> paragraphs in the <b>Basic Planing</b> section.
	Check for a broken drive belt.	Refer to <b><i>Replacing the Drive Belt</i></b> paragraph in the <b>Maintenance</b> section.
If the circuit breaker trips repeatedly	Dull knives	Dull knives can cause motor overloading, rotate or replace as necessary. Refer to <b><i>Changing or Rotating the Planer Knives</i></b> section. <b>NOTE:</b> Circuit breaker overload is often the result of dull knives. If the circuit breaker on your planer trips, check the sharpness of your knives before attempting to reset the breaker in order to continue planing.
	Reduce the depth of cut.	An overly aggressive cut could cause motor overloading. Refer to <b><i>Depth Adjustment</i></b> paragraphs in the <b>Assembly and Adjustments</b> section.
If the unit does not run	Check to see if the unit is plugged in.	Ensure unit is plugged into the appropriate outlet, refer to the <b><i>Electrical Safety</i></b> section under <b>General Power Tool Safety Warnings</b> .
	Check to see if the circuit breaker needs to be reset.	Refer to <b><i>Circuit Breaker Reset Button</i></b> paragraph under the <b>Maintenance</b> section.
	Check to see if the motor brushes are depleted.	Refer to <b><i>Brush Change</i></b> paragraph under the <b>Maintenance</b> section.

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