**SAFETY INSTRUCTIONS**

When using power tools, always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock and personal injury. Read the following safety instructions before attempting to operate this product. Keep these instructions in a safe place.

**GENERAL**

1. **Keep work area clean.** Cluttered areas and benches can cause accidents.
2. **Consider work area environment.** Do not expose power tools to high humidity or rain. Keep work area well lit. Do not use power tools in the presence of flammable liquids or gases.
3. **Guard against electric shock.** Prevent body contact with earthed surfaces (e.g. pipes, radiators, cookers and refrigerators).
4. **Keep children away.** Do not let children come into contact with the tool or extension cord. Keep all people away from the work area.
5. **Extension cords for outdoor use.** When the tool is used outdoors, always use extension cords intended for outdoor use and marked accordingly.
6. **Store idle tools.** When not in use, power tools must be stored in a dry place and locked up securely, out of the reach of children.
7. **Dress properly.** Do not wear loose clothing or jewellery. They can be caught in moving parts. Preferably wear rubber gloves and non-slip footwear when working outdoors. Wear protective hair covering to keep long hair out of the way.
8. **Wear safety goggles.** Also use a face or dust mask in case the operations produce dust or flying particles.
9. **Be aware of maximum sound pressure.** Take appropriate measures for the protection of hearing if the sound pressure of 85dB(A) is exceeded.
10. **Secure workpiece.** Use clamps or a vice to hold the workpiece. It is safer and it frees both hands to operate the tool.
11. **Do not overreach.** Keep proper footing and balance at all times.
12. **Avoid unintentional starting.** Do not carry the plugged-in tool with a finger on the switch. Be sure that the switch is released when plugging in.
13. **Stay alert.** Watch what you are doing. Use common sense. Do not operate the tool when you are tired.
14. **Disconnect tool.** Shut off power and wait for the tool to come to a complete standstill before leaving it unattended. Unplug the tool when not in use, before servicing or changing accessories.
15. **Remove adjusting keys and wrenches.** Always check that adjusting keys and wrenches are removed from the tool before operating the tool.
16. **Use appropriate tool.** Do not force small tools or attachments to do the job of a heavy-duty tool. The tool will do the job better and safer at the rate for which it is intended. The use of any accessories or attachments other than the ones recommended in this instruction manual may induce a risk of personal injury.
17. **Do not abuse cord.** Never carry the tool by its cord or pull the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
18. **Maintain tools with care.** Keep tools in good condition and clean for better and safer performance. Follow the instructions for maintenance and changing accessories. Inspect tool cords at regular intervals and, if damaged, have them repaired by an authorised DeWALT Repair Centre. Inspect extension cords periodically and replace them if damaged. Keep all controls dry, clean and free from oil and grease. **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
19. **Check damaged parts.** Before using the tool, carefully check it for damage to ensure it will operate properly and perform its intended function. Check for misalignment and seizure of moving parts, breakage of parts and any other conditions that may affect its operation. Have damaged guards or other defective parts repaired or replaced as instructed. Do not use the tool if switch is defective. Have the switch replaced by an authorised DeWALT Repair Centre.
20. **Have your tool repaired by an authorised DeWALT Repair Centre.** This power tool is in accordance with the relevant safety regulations. To avoid danger, electric appliances must only be repaired by qualified technicians.
21. **Intended users.** This tool is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with this tool.
22. **Replacement of the supply cord.** If the supply cord is damaged, it must be replaced by the manufacturer or an authorised DeWALT Service Centre in order to avoid a hazard.
ADDITIONAL SPECIFIC SAFETY INSTRUCTIONS
FOR SANDERS

• Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator.
• Do not sand metal of any kind with your belt sander. Sparks may be generated by sanding screws, nails or other metals which may ignite dust particles.
• Do not wet sand with this sander. Liquids may enter the motor housing and cause electric shock.
• Empty dust bag frequently, especially when sanding resin coated surfaces such as polyurethane, varnish, shellac, etc. The accumulation of fine sanding dust particles may self ignite and cause fire.
• Clean out your tool often, especially after heavy use. Dust and grit containing metal particles often accumulate on interior surfaces and could create a risk of serious injury, electric shock or electrocution. **ALWAYS WEAR SAFETY GLASSES.**

⚠️ **CAUTION:** Use of this tool can generate and/or disburse dust, which may cause serious and permanent respiratory or other injury. Always use approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.

⚠️ **CAUTION:** Wear appropriate personal hearing protection during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.

⚠️ **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
- lead from lead-based paints.
- crystalline silica from bricks and cement and other masonry products.
- arsenic and chromium from chemically-treated timber (CCA).

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water. Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.

PRECAUTIONS TO TAKE WHEN SANDING PAINT

1. Sanding of lead based paint is NOT RECOMMENDED due to the difficulty of controlling the contaminated dust. The greatest danger of lead poisoning is to children and pregnant women.
2. Since it is difficult to identify whether or not a paint contains lead without a chemical analysis, we recommend the following precautions when sanding any paint:

PERSONAL SAFETY

a. No children or pregnant women should enter the work area where the paint sanding is being done until all clean up is completed.

b. A dust mask or respirator should be worn by all persons entering the work area. The filter should be replaced daily or whenever the wearer has difficulty breathing or as per the instructions with the dust mask. **NOTE:** Only those dust masks suitable for working with lead paint dust and fumes should be used. Ordinary painting masks do not offer this protection. See your local hardware dealer for the proper approved mask.

c. **NO EATING, DRINKING or SMOKING** should be done in the work area to prevent ingesting contaminated paint particles. Workers should wash and clean up BEFORE eating, drinking or smoking. Articles of food, drink, or smoking should not be left in the work area where dust would settle on them.

ENVIRONMENTAL SAFETY

a. Paint should be removed in such a manner as to minimize the amount of dust generated.

b. Areas where paint removal is occurring should be sealed where possible.

c. Sanding should be done in a manner to reduce tracking of paint dust outside the work area.

CLEANING AND DISPOSAL

a. All surfaces in the work area should be vacuumed and thoroughly cleaned daily for the duration of the sanding project. Vacuum filter bags should be changed frequently.

b. Plastic drop cloths should be gathered up and disposed of correctly along with any dust chips or other removal debris. During clean up, children and pregnant women should be kept away from the immediate work area.

c. All toys, washable furniture and utensils used by children should be washed thoroughly before being used again.
ASSEMBLY

REPLACING THE SANDING BELT

WARNING: BE SURE SANDER IS TURNED OFF AND DISCONNECTED FROM THE POWER SUPPLY WHEN CHANGING THE SANDING BELT. BEFORE RECONNECTING THE TOOL, DEPRESS AND RELEASE THE TRIGGER SWITCH TO ENSURE THAT THE TOOL IS OFF.

To Remove Sanding Belt (FIG. 2)
1. Rotate the belt release lever (A) up until the top front wheel of the sander retracts releasing the tension on the abrasive belt.
2. Set the sander on its side so all three wheels are visible.
3. Remove the worn out belt.

To Install Sanding Belt
1. Slip a new belt around the wheels. Arrows printed on the inside of the belt point in the direction in which the wheels turn. Orient the belt in the direction of wheel rotation. Be sure the belt does not go over the tracking flange located on the inside of the top, front wheel as shown in Figure 3.
2. Rotate the belt release lever (A) down into position to reapply tension to the belt.

NOTE: Some sanding belts are multi-directional and do not have arrows. The direction of rotation is also indicated on the brush cover (C) in Fig 1.

OPERATION

SWITCH OPERATION

• To start the belt sander, depress the trigger switch (D). Allow the belt sander to reach operating speed before touching the work surface (Fig. 1).
• To slow or stop the belt sander, release the trigger switch.
• For continuous operation, press in the lock-on button (E) while the trigger switch is depressed and the belt sander is running (Fig. 2).
• To release from continuous operation, squeeze the trigger and the lock will disengage.

WARNING: BE SURE THE LOCK BUTTON IS NOT DEPRESSED BY CYCLING THE SWITCH SEVERAL TIMES OR BY DEPRESSING AND RELEASING THE SWITCH SEVERAL TIMES BEFORE PLUGGING IN YOUR BELT SANDER! DAMAGE TO YOUR TOOL OR PERSONAL INJURY MAY RESULT.

Variable Speed
The speed control dial, located on the back of the rear handle, moves the speed of the sanding belt from approximately 850 surface feet per minute on speed #1 (light sanding; fine grit sanding belts) to approximately 1400 surface feet per minute on speed #6 (more aggressive sanding; coarse sanding belts). Low speeds also prevent excessive belt wear and overheating when removing paint with the belt sander.

FRONT HANDLE
There are two positions for the front handle: top position and front position. The unit comes with the handle installed in the top position (F) as shown in Figure 1.

To Reposition Top Handle
1. Loosen the screw in the centre of the top handle using a Phillips screwdriver.
2. Attach the top handle to the threaded hole in the front (G) or the top (F) of the unit.
3. Tighten the screw.

NOTE: The handle must be properly seated over the mounting surface before tightening the screw.

TRACKING THE BELT
Your belt sander is equipped with an automatic tracking system that prevents the belt from moving into the housing while the sander is operating. The automatic tracking system prevents damage to the sander housing and the destruction of the sanding belt.

MOTOR

Your D-WEAL tool is powered by a DeWALT-built motor. Be sure your power supply agrees with the nameplate marking. Volts 50 Hz or “AC only” means your tool must be operated only with alternating current (AC) and never with direct current (DC). Voltage decrease of more than 10% will cause loss of power and overheating. All DeWALT tools are factory tested, if this tool does not operate, check the power supply.
To Properly Track The Belt (FIG. 2)
1. Grasp the rear handle (H) of the unit firmly and flip the sander so that the belt is facing the operator.
2. Depress the trigger (D) to begin rotation of the belt.
3. Turn the tracking knob (I) counter clockwise to move the belt toward the housing. Turn the knob clockwise to move it away from the housing.

*NOTE:* The belt should be aligned with the flush edge of the platen (J) while the sander is in operation (Fig. 4).
4. Release the trigger and make sure the belt has come to a complete stop before setting the unit down.

**PROPER HAND POSITION**
Safe belt sanding is a two-handed operation. One hand is used to grip the rear handle of the unit while the other hand is used to grip the front handle as seen in Figure 4.

**DUST COLLECTION SYSTEM**

⚠️ **WARNING:** Turn off and unplug sander before making any adjustments or removing or installing accessories. Before reconnecting the tool, depress and release the trigger switch to ensure that the tool is off.

**To Attach The Dust Collector (FIG. 5)**
1. Pull the locking dust chute collar (K) up.
2. Insert the rubber dust ejection chute into the collar. Make sure the slots on the collar are aligned with the nubs (L) on the ejection chute.
3. Push the dust collector from the rear of the bag until the ejection chute snaps into the dust chute collar and the locks onto the belt cover (M).
4. Push the locking dust chute collar down to secure the dust collector to the unit.

**To Empty The Dust Collector**
1. Pull up on the locking dust chute collar.
2. Remove the dust collector, the rubber ejection chute, and dust collector from the unit together.
3. Once the dust collector is disconnected from the unit, release the dust seal latch (N) on the underside of the collector (Fig. 6).
4. Squeeze the dust chute in the spaces indicated (O) to release the collector.
5. Pull the dust bag up to release it from the chute.
6. Slide the dust collector off of the rubber dust ejection chute.
7. Shake the bag and ejection chute over a trash can, tapping the bag lightly against the can to loosen any compacted dust particles.
8. When the dust collector is empty, re attach it to the dust ejection chute and then to the sander.

**Dust Collection Shut-Off Valve (FIG. 2)**
When sanding in tight places, the dust collector may be removed.

⚠️ **CAUTION:** With the dust collector removed, the stream of dust will be blown through the exhaust port toward the operator unless the dust collection valve is closed.

To close the dust collection valve, push the lever (P) forward. This will prevent the flow of dust from the exhaust port.

To open the dust collection valve, pull the lever (P) backward. This will allow the flow of dust to exit the exhaust port.

**ACCESSORIES**
Two accessories are offered for Delta belt sanders, DW433, at extra cost from your local service centre. Instructions to attach those accessories are listed below.

⚠️ **CAUTION:** The use of any other accessory not recommended for use with this tool could be hazardous.

**INTEGRATED SANDING FRAME AND INVERSION STAND – DW4055 (Sold Separately)**
The inversion stand allows the belt sander to be used like a small stationary sander. It is best when used to sand small pieces of material that need to maintain a 90-degree edge and cannot easily be sanded with a hand-held sander.
WARNING: BE SURE THE UNIT IS TURNED OFF AND NOT ATTACHED TO A POWER SOURCE WHILE INSTALLING THE SANDING FRAME OR INVERSION STAND. Before reconnecting the tool, depress and release the trigger switch to ensure that the tool is off.

WARNING: AVOID CONTACTING THE ROTATING BELT ON THE INVERSION STAND WITH FINGERS OR HANDS. HARSH ABRASIONS COULD RESULT.

NOTE: The belt sander cannot be properly positioned on the stand with the dust bag attached. The dust collection system is not operable when the belt sander is in this mode.

To Attach The Sanding Frame To The Belt Sander

1. Place the front handle in the top position (F) of the belt sander.
2. Remove dust bag and close the dust collector valve.
3. Use the hardware provided to attach the sanding frame brace to the front of the belt sander. Tighten the knob (Q) to secure the sander into the sanding frame (Fig. 8).
4. Seat the tabs (R) on the back end of the sander onto the rod (S) located on the sanding frame (Fig. 9).
5. Use the angle dial (T) to adjust the height of the sanding frame relative to the material as shown in Figure 8.

To Create The Inversion Stand (FIG.10)

1. Attach the legs (U) to the sanding frame to create the working orientation desired.
2. Attach the fence (V) to the sanding frame.

WARNING: Leave no more than 1/16” (2 mm) between the sanding belt and the fence. Pinching could result during use.

WARNING: Do not allow the fence to touch the sanding belt. Resulting sparks may ignite dust particles.
8. Clamp or screw the feet to a workbench or flat work surface for stability using the screw holes (W).
9. Adjust the fence to the desired angle and lock in place with the wing nuts provided.
11. Depress the trigger and engage the lock button so the sander is running.
12. When you are finished sanding, pull the trigger to disengage the lock and stop the rotation of the belt.

WARNING: If the belt sander in the inversion stand is in the horizontal position, be sure guard (X) is covering the space between the belt and the rear of the housing as shown in Figure 10. Otherwise, serious injury could result.

WARNING: If the belt sander in the inversion stand is in the horizontal position, hold wood firmly during sanding. The belt may pull the material away from you resulting in injury.

VACUUM ADAPTER – DW4050 (Sold Separately)

Your belt sander can be attached to a 1-1/4” shop vacuum hose for dust collection.

To Attach The Vacuum Adaptor To The Belt Sander

1. Pull up on the dust seal latch (N), shown in Fig 6, and remove the dust chute and dust bag from the belt sander.
2. Insert the vacuum adapter (Fig. 11) into the dust ejection port and push the latch closed securing the adapter to the sander.

WARNING: The use of a vacuum hose and vacuum adapter with the belt sander may generate static electricity that could result in startling static discharge.
MAINTENANCE

⚠️ **WARNING:** Turn off and unplug sander before making any adjustments or removing or installing accessories. Before reconnecting the tool, depress and release the trigger switch to ensure that the tool is off.

**TO REMOVE THE BRUSHES**
The brushes on your belt sander may require replacement at some point during the life of the tool. Contact your local DeWALT authorized service centre to obtain additional brushes.

1. To remove the brush cover (FIG.1(C), use a flat head screwdriver or a T20 TorxBit.
2. Remove the brushes.

**TO INSTALL A NEW PLATEN/CORK ON YOUR BELT SANDER**
The cork under the platen on your belt sander may require replacement at some point during the life of the tool. A new platen/cork is available through your DeWALT service centre.

1. Remove the sanding belt from the sander as described in Assembly.
2. Use an M3 hex wrench to remove the existing steel platen/cork on the underside of the unit.
3. Attach the new platen/cork to the sander and discard the old one.
4. Install a sanding belt as described in Assembly.

**LUBRICATION**
Your tool was properly lubricated before leaving the factory. In from two to six months, depending upon use, take or send your tool to a Service Centre, or authorized service centre, for a complete cleaning, inspection and lubrication. Tools used constantly on production jobs will need re lubrication more often. Also, tools “out of service” for long periods should be re lubricated before being put back to work.

**DeWALT AFTER SALES SERVICE**
All DeWALT power tools are thoroughly tested before leaving the factory. However, if the power tool needs repair, please contact your dealer or take it to your nearest DeWALT Service Centre. There is a Service Centre in every capital city. For service, repair or parts call 1800 654 155.

ACCESSORIES
Recommended accessories for use with your tool are available at extra cost from your local service centre. Call 1800 654 155 (Aust) or 09 526 2556 (NZ).

⚠️ **CAUTION:** The use of any non-recommended accessory may be hazardous.

**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. Your DeWALT tool is double insulated, therefore no earth wire is required.

**EXTENSION CORDS**

⚠️ **CAUTION:** Use only extension cords that are approved and marked accordingly. Before using extension cords, inspect it for loose or exposed wires, damaged insulation and defective fittings. Replace the cord if necessary.
GUARANTEE
Applicable to hand held power tools.

FULL ONE YEAR WARRANTY
DeWALT heavy duty industrial tools are warranted for one year from date of purchase. We will repair, without charge, any defects due to faulty materials or workmanship. Please return the complete unit, transportation prepaid, to any DeWALT Service Centre, or any authorised service centre.
This warranty does not apply to:
- Accessories
- Damage caused where repairs have been made or attempted by other then a DeWALT authorised service centre
- Damage due to misuse, neglect, wear and tear, alteration or modification.

Free One Year Service Contract
In addition to a full one year warranty, every DeWALT tool is backed with a Free One Year Service Contract. We will provide free labour on all repairs and preventative maintenance during the first year after purchase. Proof of purchase date is required.
Contact your Service Centre on 1800 654 155.

30 Day No Risk Satisfaction Guarantee
If you are dissatisfied with any DeWALT power tool, for any reason, simply return it to the point of purchase with your sales receipt within 30 days for a replacement unit or a full refund.

INFORMATION HOTLINE
When you need further information on a DeWALT product please phone:
AUSTRALIA: 1800 816 900
NEW ZEALAND: 09 579 7600

Unwanted Tools and the Environment
Take your old tool to an authorised DeWALT Service Centre where it will be disposed of in an environmentally safe way.

NOTES:
- DeWALT reserves the right to change or upgrade product specifications or standard equipment at any time without notice.
- Standard equipment and accessories may vary by country.
- Product specifications may vary by country.
- Complete product range may not be available in all countries. See your local DeWALT dealer for range availability.

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment should be performed by authorized service centres or other qualified service personnel. Always use identical replacement parts.
on a DeWALT product please phone:
Note: This instruction manual is applicable for the following subcodes: –XE