

dry location.

NOTE: Do not store the battery packs in a tool with the trigger switch locked on. Never tape the trigger switch in the ON position.

- **Do not incinerate the battery pack even if it is severely damaged or is completely worn out.** The battery pack can explode in a fire. Toxic fumes and materials are created when lithium-ion battery packs are burned.
- **Do not expose a battery pack or appliance to fire or excessive temperature.** Exposure to fire or temperature above 265 °F (130 °C) may cause explosion.
- **Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions.** Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- **If battery contents come into contact with the skin, immediately wash area with mild soap and water.** If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.
- **Contents of opened battery cells may cause respiratory irritation.** Provide fresh air. If symptoms persist, seek medical attention.
- **Battery liquid may be flammable if exposed to spark or flame.**
- **Never attempt to open the battery pack for any reason. If the battery pack case is cracked or damaged, do not insert into the charger.** Do not crush, drop or damage the battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on). Damaged battery packs should be returned to the service center for recycling.

Storage Recommendations

The best storage place is one that is cool and dry, away from direct sunlight and excess heat or cold. Store the fully charged battery pack out of the charger.

Battery Pack Cleaning Instructions

Dirt and grease may be removed from the exterior of the battery pack using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.

Fuel Gauge Battery Packs (Fig. B)

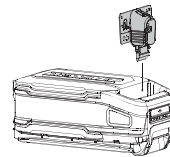
Some battery packs include a fuel gauge. When the fuel gauge button is pressed and held, the LED lights will indicate the approximate level of charge remaining. This does not indicate tool functionality and is subject to variation based on product components, temperature, and end-user application.

Transportation

▲ WARNING: Fire hazard. Do not store, carry, or transport the battery pack so that metal objects can contact exposed battery terminals. For example, do not place the battery pack in aprons, pockets, tool boxes, product kit boxes, drawers, etc., with loose nails, screws, keys, coins, hand tools, etc. When transporting individual battery packs, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit. **NOTE: Li-ion battery packs should not be put in checked baggage on airplanes and must be properly protected from short circuits if they are in carry-on baggage.**

Shipping the DeWALT POWERSHIFT® Battery Pack

Your DeWALT POWERSHIFT® battery pack of 600 Wh or less has a shipping card that should be used when shipping POWERSHIFT® batteries.



Attach the card to the battery pack to ready it for shipping. This converts the battery pack to three separate batteries. The three batteries have the Watt hour rating labeled "Shipping" on the battery pack for US ground shipments. If shipping without the card, the pack is one battery at the Watt hour rating labeled "Use."

Example battery pack label:

USE: 554 Wh SHIPPING: 3 x 184.5 Wh

In this example, the battery pack is three batteries with 184.5 Watt hours each when using the card. Otherwise, the battery pack is one battery with 554 Watt hours.

Battery Recycling

It is important to recycle lithium ion batteries at end of life as they contain valuable materials that can be reused for new purposes. Do not discard lithium ion batteries in the trash as they can be crushed and start a fire during processing. The batteries that are supplied with this equipment are considered "High Energy Batteries" which mean that have an energy greater than 300 Wh and need to be recycled in a different a program than other lower energy rechargeable battery packs. Please see the following website for more information regarding battery recycling: dewalt.com/high-energy-battery-info.

IMPORTANT SAFETY INSTRUCTIONS FOR ALL BATTERY CHARGERS

▲ WARNING: Read all safety warnings, instructions, and cautionary markings for the battery charger, battery pack, and product. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

- **SAVE THESE INSTRUCTIONS** - This manual contains important safety and operating instructions for DeWALT battery chargers.
- **Before using battery charger, read all instructions and cautionary markings on battery charger, battery, and product using the battery.**
- **To reduce risk of injury, charge only DeWALT DCBPS-series Li-ion batteries.** Other types of batteries may burst causing personal injury and damage.
- **Do not expose the charger to rain or snow.**
- **Do not allow water or any liquid to enter charger.**
- **Pull by the plug rather than the cord when disconnecting the charger.** This will reduce the risk of damage to the electric plug and cord.
- **Make sure that the cord is located so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.**
- **Do not use an extension cord or power strip unless it is absolutely necessary.** Use of improper extension cord

or power strip could result in risk of fire, electric shock or electrocution.

- **When operating a charger outdoors, always provide a dry location and use an extension cord or power strip suitable for outdoor use.** Use of a device suitable for outdoor use reduces the risk of electric shock.
- **When using a power strip, be sure that its current rating is not exceeded by the sum of the individual device's current ratings.**
- **An extension cord must have adequate wire size (AWG or American Wire Gauge) for safety.** The smaller the gauge number of the wire, the heavier the cord and thus the greater its capacity. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on total length of all extension cords plugged together, and nameplate ampere rating. If in doubt, use the next heavier gauge.

Minimum Gauge for Cord Sets

Volts		Total Length of Cord in Feet (meters)			
		25 (7.6)	50 (15.2)	100 (30.5)	150 (45.7)
Ampere Rating		American Wire Gauge			
More Than	Not More Than				
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Recommended	

- **Do not place any object on top of the charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat.** Place the charger in a position away from any heat source. The charger ventilates through left and right side vents adjacent to the pad printed "DEWALT" logo on the top cover.
- **Do not operate the charger with a damaged cord or plug.** Have them replaced immediately.
- **Do not operate the charger if it has received a sharp blow, been dropped or otherwise damaged in any way.** Take it to an authorized service center.
- **Do not disassemble the charger; take it to an authorized service center when service or repair is required.** Incorrect reassembly may result in a risk of electric shock, electrocution or fire.
- **The charger is designed to operate on standard 120V household electrical power. Do not attempt to use it on any other voltage.** This does not apply to the vehicular charger.
- **Foreign materials of a conductive nature, such as, but not limited to, grinding dust, metal chips, steel wool, aluminum foil or any buildup of metallic particles should be kept away from the charger cavities and ventilation slots.**
- **Always unplug the charger from the power supply when there is no battery pack in the cavity.**
- **The rated output current for this charger is the maximum charging rate when used with DEWALT battery packs designed to charge at this rate.**

Charging a Battery (Fig. A, B)

NOTE: To ensure maximum performance and life of Li-ion battery packs, charge the battery pack fully before first use.

1. Plug the charger into an appropriate outlet before inserting battery pack.

2. Insert the battery pack ❶ into the charger, making sure the battery pack is fully seated in the charger. The red (charging) light will blink repeatedly indicating that the charging process has started.
3. The Stage 1 charging blink indicator represents the charge process that charges the majority of the battery's capacity. Stage 2 charging blink indicator represents the remainder, or top off charge process, for the battery to reach full capacity.
4. The completion of charge for Stage 1 or Stage 2 will be indicated by the stage's light remaining ON continuously. The battery pack is fully charged when both Stage 1 and Stage 2 charging lights remain ON continuously.
5. To remove the battery pack, press the battery pack release button ❷.

The charger will not charge a faulty battery pack. The charger refusing to light could indicate a problem with the charger or a faulty battery pack. Discontinue use and take both to an authorized service center.

▲ WARNING: Only charge when battery temperature is over 40 °F (4.5 °C) and below 104 °F (40 °C).

Hot/Cold Pack Delay

When the charger detects a battery pack that is too hot or too cold, it automatically starts a Hot/Cold Pack Delay, suspending charging until the battery pack has reached an appropriate temperature. The charger then automatically switches to the pack charging mode. This feature ensures maximum battery pack life.

A cold battery pack may charge at a slower rate than a warm battery pack.

The hot/cold pack delay will be indicated by the left indicator light continuously blinking red and the right indicator light continuously yellow. Once the battery pack has reached an appropriate temperature, the yellow light will turn OFF and the charger will resume the charging procedure.

Fan-Cooled Chargers

Your charger is equipped with an internal fan. The fan will turn on automatically when the battery pack is charging.

Never operate the charger if the fan does not operate properly or if ventilation slots are blocked. Do not permit foreign objects to enter the interior of the charger.

Electronic Protection System

POWERSHIFT® tools are designed with an Electronic Protection System that will protect the battery pack against overloading, overheating or deep discharge. The tool will automatically turn off and the battery pack will need to be recharged.

Important Charging Notes

1. Longest life and best performance can be obtained if the battery pack is charged when the air temperature is between 65 °F–75 °F (18 °C–24 °C). DO NOT charge when the battery pack is below 40 °F (4.5 °C), or above 104 °F (40 °C). This is important and will prevent serious damage to the battery pack.
2. The charger and battery pack may become warm to the touch while charging. This is a normal condition, and does not indicate a problem. To facilitate the cooling of the battery pack after use, avoid placing the charger or battery pack in a warm environment such as in a metal shed or an uninsulated trailer.
3. If the battery pack does not charge properly:

- Check operation of receptacle by plugging in a lamp or other appliance;
 - Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights;
 - If charging problems persist, take the tool, battery pack and charger to your local service center.
4. You may charge a partially used pack whenever you desire with no adverse effect on the battery pack.

Charger Cleaning Instructions

▲ WARNING: *Shock hazard. Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.*

WALL MOUNTING

Some DEWALT chargers are designed to be wall mountable or to sit upright on a table or work surface. If wall mounting, locate the charger within reach of an electrical outlet, and away from a corner or other obstructions which may impede air flow. Mount the charger securely using drywall screws (purchased separately) at least 1" (25.4 mm) long, with a screw head diameter of 0.28–0.35" (7–9 mm), screwed into wood through the mounting holes.

SAVE THESE INSTRUCTIONS FOR FUTURE USE

DEWALT Tool Connect™ Integrated Connectivity

Tool Connect™ Integrated Connectivity is powered by an internal coin cell. The internal coin cell battery, when necessary, should be replaced by your local DEWALT authorized service center. Do not attempt to replace the coin cell battery yourself.

DEWALT Tool Connect™ products are capable of connecting with devices that support Bluetooth® technology using the DEWALT Site Manager application.

DEWALT Site Manager is a web and mobile application and is compatible with most popular devices.

Bluetooth® capability is provided by the Site Manager app. Additional subscription charges and third-party data charges may apply.

DEWALT Tool Connect™ integrated connectivity is designed to support tracking, locating, and providing product data using the DEWALT Site Manager app. To learn more and for a full list of features, visit: www.DEWALT.com/en-us/jobsite-solutions/tool-connect.

Getting Started with DEWALT Tool Connect™

NOTE: The DEWALT Site Manager app is governed by separate terms and conditions available for viewing through the mobile or web application.

Step 1: Download the DEWALT Site Manager application at:



Step 2: Follow the instruction in the app to create your account or log into an existing Site Manager account.

Step 3: Connect your product with the DEWALT Site Manager app by going to the Inventory screen and selecting "+ Tool", then following the steps in app.

NOTE: Your device is enabled with an optimized pairing process. Simply select "Add via QR or Barcode" to connect your Bluetooth® enabled product to your account.

For more information on DEWALT Tool Connect™ functionality and features, visit www.DEWALT.com/en-us/jobsite-solutions/tool-connect or call 1-800-4-DEWALT.

OPERATION

▲ WARNING: *To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.*

▲ DANGER: *Death hazard from tilting or sliding the machine. Unstable material, unstable edges and slippery surfaces can cause the machine to tip over. This can cause severe injury or death.*

- Navigate slopes carefully, and always drive upward in a straight direction.
- Drive up steep slopes backwards to keep from tipping the machine.
- At ditch edges and terraces, and in front of obstacles, guide the machine so that the machine operator cannot be injured by falling or crushing (Fig. D).
- When driving the machine backwards, guide the machine sideways to prevent the machine operator from being crushed. (Fig. E).
- Keep adequate distance from trench edges and embankments.
- Refrain from any manner of working that threatens the machine's stability.
- Make sure to position operator in a location during use so that if the machine were to tip over, the operator would be clear.
- Do not move over hard concrete, hardened bitumen surfaces, frozen ground or ground that does not have an adequate load capacity.

▲ CAUTION: *Accident hazard. The machine drives off immediately after start-up. Keep a strong hold on the machine.*

▲ CAUTION: *Finger pinch hazard. When folding the handle up, fingers can get between the handle and durable steel roll cage. When inserting, make sure that fingers are not between the handle and durable steel roll cage.*

▲ NOTICE: *Beware of property damage. When compacting interlocking paving stones, it is recommended that wear-protection plates (optional equipment) be used to prevent damage to the machine and compaction materials.*

Inserting and Removing the Battery Pack from the Tool (Fig. H)

NOTE: Make sure your battery pack ① is fully charged.

To Install the Battery Pack into the Tool Handle

- Align the battery pack with the rails inside the tool.
- Slide it in until the battery pack is firmly seated in the tool and ensure that you hear the lock snap into place.

To Remove the Battery Pack from the Tool

- Lightly push the battery into the tool to release tension.
- Press the battery release button ②.
- Insert battery pack into the charger as described in the charger section of this manual.

Fuel Gauge Battery Packs (Fig. B)

Some battery packs include a fuel gauge. When the fuel gauge button is pressed and held, the LED lights will

indicate the approximate level of charge remaining. This does not indicate tool functionality and is subject to variation based on product components, temperature, and end-user application.

NOTE: The fuel gauge is only an indication of the charge left on the battery pack. It does not indicate tool functionality and is subject to variation based on product components, temperature and end-user application.

Guiding the Machine (Fig. F, G)

Always check the effectiveness of the machine and the required PPE (personal protective equipment) being used before starting any job. Nonfunctional PPE and/or machine can cause severe injury.

- If safety equipment defects or other defects that threaten safe operation of the machine are detected, the machine must be stopped immediately and the defects repaired.
- If the compacting work must be done near buildings or above pipelines, etc., you must check the effect the vibrations are having on the building or pipelines and stop the compacting work whenever necessary

In general:


- Operate the machine so as to prevent crushing to the machine operator (between machine and obstacles such as buildings, walls or objects).
- Operate the machine so as to ensure that the machine operator does not fall (into ditches, construction pits or embankments).
- Never work in a way that might destabilize the machine.
- Navigate slopes carefully and always move upward in a straight direction (Fig. F).
- Move in reverse on steep slopes to prevent the machine from tipping onto the machine operator (Fig. G).

Parking the Machine

After work, park the machine on level ground, dry conditions (under roof).

Stop the drive system and secure it against unintentional movement and unauthorized use. Users can add a padlock which prevents unauthorized starting of the machine.

Remove the POWERSHIFT® battery from the tool or FLEXVOLT® Adaptor from the tool and FLEXVOLT® battery from the adaptor.

NOTE: Do not place or store the machine on the transport wheels  Damage may occur. The transport wheels are designed only for transporting the unit short distances.

Before Using the Machine

▲ DANGER: Failure to follow this manual and all the safety instructions it contains can result in death, injury or property damage.

Carefully read and follow this manual, especially the safety instructions.

▲ DANGER: Failure to observe the following instructions can result in death, injury or property damage. Failure to observe the following instructions can result in overheating, fire, bursting, explosion or electric shock.

▲ DANGER: Death or injury hazard from damaged cables or contacts on the machine. If any cables or contacts are damaged in any way, have them replaced by technical personnel or the manufacturer.

▲ WARNING: Failure to use personal protective equipment (PPE) or using unsuitable equipment, may harm health or

cause injury. Personal protective equipment includes: Eye protection.

Hearing protection.

Safety shoes.

Work gloves.

Respiratory protection.

Determine and prepare the right personal protective equipment for the job. Use only personal protective equipment that is in proper condition and offers effective protection.

Adjust the personal protective equipment to the person, such as to body size.

▲ WARNING: Use only DEWALT batteries.

Before using the machine, do as follows:

1. Place the machine on a level floor.
2. Inspect:
 - Screw joints for firm seating
 - Condition of the machine (visual inspection).
 - Check the battery and attachment of the battery for damage (visual inspection).
 - Check the battery rail and terminal block for dirt (visual inspection).

If necessary, clean with a clean, dry cloth. Dry any visible condensed water or any other water in battery rail and terminal block area.

If necessary, contact an authorized service center to repair any defects found.

3. Check the ON/OFF controls are in "OFF" mode.

4. Unlock the handle. Refer to **Chassis**.

5. Check the battery charge status.

If necessary, replace with a fully charged battery.

6. Slide the battery into the machines mounting and lock it. An audible click ensures it is installed correctly.

7. When used for hot asphalt, a spray system is required, so user should turn on sprinkler function.

8. Adjust the speed to the slow setting before starting.

9. Once these steps are finished, the machine can be started.

10. Adjust speed to desired level.

After Using the Machine

After using the machine, do as follows:

1. Turn off the machine.
2. Turn off the water sprinkler.
3. Place the machine on a level floor.
4. Remove the battery from the machine. Refer to **Inserting and Removing the Battery**.
5. Clean the battery with a clean, dry cloth.
6. Clean the battery rail and terminal block with a clean, dry cloth.
7. Visually check the battery for damage.
8. Charge the battery. Refer to **Charging the Battery**.
9. Lock by padlock (not supplied with the tool).

Starting the Machine (Fig. C)

▲ WARNING: Death/injury hazard from operation in an explosion-prone atmosphere! Starting and operating the machine in explosion- and fire-prone areas can cause severe injury or even death. Never start or operate the machine in explosion- or fire-prone areas.

▲ WARNING: Injury hazard from damage and defects on the machine. Damage and defects on the machine, especially the safety equipment, are hazard sources. Damaged machines can injure the machine operator or bystanders. Before every startup, visually inspect for damage. If damage is located and identified, never operate the machine. Replace defective components.

▲ WARNING: When the ON/OFF control is set to ON, the machine starts to move forward immediately. In cold conditions, or after a long time of not being used, the motor will start but machine will not move forward, and white LED will fade. As soon as machine warms up, it will start to move forward automatically.

To start the motor, do as follows:

1. Slide the dual action activation switch **4** to the right and then push down.

The machine is ready to operate. Refer to **Operating the Machine**.

Shutting Off the Machine

▲ WARNING: Injury hazard from unauthorized access. If the machine is left unsupervised with the engine running, unauthorized people can use the machine and injure themselves and others.

Shut the machine off after finishing work.

During operation interruptions or after finishing work, remove the battery and protect the machine from unauthorized access.

To stop the machine, do as follows:

1. Press down firmly on the red OFF button **7**.
2. The machine shuts off.

Speed Controls (Fig. A, I)

The speed of the machine can be controlled by the speed selection button **6**.

Pressing the speed control button on the left increases the speed of the machine. Pressing the speed control button on the right decreases the speed of the machine.

The speed control panel has a hot motor warning **8** in the center and a low speed indicator **7** in the speed selection button.

- **Low speed indicator constantly illuminated:** low speed / slow.
- **Low speed indicator dims:** Power Limitation (active for startup in "cold" conditions).
- **Hot motor warning constantly illuminated:** Tool is not able to run due to hot motor.
- **Hot motor warning blinking:** NTC disconnect detected. If the hot motor warning LED is blinking, the operator must stop using the machine immediately and have it serviced. (defect NTC can lead to an overheating motor and therefore a damaged and lower performance motor).

Operating the Machine (Fig. J)

To start working, do the following:

1. Start the machine on low speed. The proper place for the operator is behind the machine. Once running, adjust speed to desired level.
2. Guide and steer the machine with the handle **3**.
3. To stop the machine, set the start/stop switch to "STOP".
4. Protect the machine from unauthorized use. Refer to **Decommissioning**.
5. In tight spaces, the handle can be folded forward.

Vulcanized Rubber Mat (Fig. K)

When compacting interlocking stone pavement, it is recommended that the vulcanized rubber mat (DCPS740) **15** be used. This prevents damage to the machine and compaction material.

The vulcanized rubber mat can be installed without tools.

1. Lay the vulcanized rubber mat **15** on a flat, level surface.
2. Place the machine on top of the rubber mat and slide the machine forward so that the front corners of the base plate **9** fit under the two tabs on each corner of the rubber mat.
3. Secure the two clips on the back of the rubber mat, by lifting each clip and placing them over the back edge of the base plate.

Attaching and Removing the Water Tank (Fig. L, M)

Installing the Water Tank (Fig. L)

1. Before installing the water tank **11**, spray both buffer stops **29** with silicon spray.
2. Place the water tank on the buffer stops and with force push the water tank towards the machine, so that the groove **30** in the water tank fits under the bar **31** on the front of the machine.

Removing the Water Tank (Fig. M)

To remove the water tank, pull the tank away from the machine from the sprinkler tube **15** of the tank until it separates from the machine.

Water Sprinkler (Fig. N, O)

▲ WARNING: Beware of property damage. Fill the water tank only with water or antifreeze mixture. If there is danger of freezing, empty the water sprinkler or fill it with antifreeze mixture.

▲ WARNING: DO NOT allow water to splash out/over the water tank to prevent the water contacting the battery rail and terminal block area.

1. Remove the battery.
2. Fill the water tank **11** through the tank opening **17**.
3. Insert the battery.
4. Turn the tap **18**.
5. Inspect for wet areas in the battery interface area and thoroughly dry the area.
 - a. Position "0" = OFF
 - b. Position "I" = ON

To remove the water tank, stand in front of the machine, grab the sprinkler tube **15** and pull it horizontally towards you. The water tank will snap off from the machine.

MAINTENANCE

▲ WARNING: To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

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.

▲ DANGER: Injury or death hazard due to malfunction.
Improper machine maintenance or ignoring a problem before commissioning can cause severe malfunctions.

Proceed according to the maintenance recommendations and maintenance schedules in the operating manual.

- Heed the safety regulations!
- Perform maintenance only with the machine off and the battery removed.
- Clean the machine with a clean, dry cloth before starting maintenance.
- Place the machine on level ground and secure it against sliding or rolling away.
- Ensure that all replaced parts are recycled in a safe, environmentally-friendly way.
- Prevent short circuits on machine's conductive cables.
- Never spray electrical components with a high-pressure water jet.
- After cleaning the machine with a clean, dry cloth, blow the components dry with compressed air to prevent leakage currents.

Maintenance and Repair Work

Proper maintenance, inspection and adjustment are important parts of the machine's safety concept. If these tasks are not performed properly, there is great risk of injury due to nonfunctional safety equipment. Therefore, heed the following points:

- Adhere to the maintenance, inspection and adjustment tasks and intervals specified in the **Maintenance Chart**, located at the end of each language section.
- Maintenance is to be done only by qualified, especially authorized personnel.
- Use only original replacement parts.
- Only use suitable and technically faultless lifting equipment and load suspending devices with sufficient lifting capacities when replacing larger assemblies and specific parts. Attach and secure parts carefully to the lifting equipment! Falling parts may severely injure people.

Chassis (Fig. A, P–R)

▲ CAUTION: Injury hazard from tilting the machine!

Long downtimes on the transport vehicle and driving on uneven or sloped ground decreases the machine's stability. The machine can tilt or slide off. For long downtimes, do not park the machine on the wheel kit. Drive carefully on uneven or sloped ground.

▲ CAUTION: Injury hazard from heavy load! *Foot injuries may occur when lifting or lowering the machine. Do not place feet on or under the lifted base plate. Wear safety shoes.*

When using the wheel kit, the machine can be transported short distances.

To extend the chassis, do as follows:

1. Press the handle **3** downward to the stop.
2. Snap the locking bolts **19** into the opening on the lever. (Fig. P)
3. Release the transport wheels **20** from the transport wheels release lever **21** and lay it on the floor. (Fig. P)
4. With the handle locked, tilt the machine onto the front edge. The transport wheels swivels under the plate. (Fig. Q)
5. Tilt the machine back until the plate lies horizontally on the transport wheels. (Fig. R) The device is ready to move.

6. After transport, follow the opposite sequence to hang the transport wheels back in.

NOTE: Make sure that the transport wheels have completely snapped in.

Loading and Transporting the Machine (Fig. U, V)

▲ WARNING: *The machine is heavy. Do not lift by hand.*

▲ DANGER: *Death hazard from suspended load! The machine is heavy, xx lbs (xx kg). Improperly transporting the machine can cause it to fall and injure people.*

- It is forbidden to:
 - Walk under suspended loads.
 - Stand under suspended loads.
 - Ride on suspended loads.
 - Lift by hand.
 - Lift by forklift.
- Ensure that nobody will be endangered!
- Only use load-bearing capable and stable loading ramps for the loading.
- Check the attachment points (shackles, lifting eyes) for damage or wear before use.
- Damaged parts must be changed immediately.
- Secure the machine against rolling, sliding and tipping over.
- Always use the provided lifting points when loading, lashing and lifting the machine.
- After loading, lock the handle.
- Remove the battery.
- Refer to **After Using the Machine**.
- Keep the machine horizontal during transport.

This machine includes a front handle **14** that the user can use to manipulate, or slide the machine to desired location.

If the wheel kit is not activated, use the front handle to properly locate the machine to the exact area you want.

To transport the machine or lift it with a crane, do as follows:

1. Always remove the battery before loading and transport.
2. Make sure that the motor has cooled and the battery has been removed.
3. Lock the handle.
4. Hang the crane hooks **23** in the central lifting point **13**.
5. Load the machine onto the transport vehicle.
6. Remove the crane hooks from the central lifting point.
7. Secure the machine to the transport lugs with straps and load it correctly.
8. At the destination, loosen the transport locks.
9. Hang the crane hooks into the central lifting point.
10. Lift the machine with a crane and unload it.
11. Place the machine on a level floor and prepare it for operation.

Removing the Handle (Fig. S)

▲ WARNING: Injury hazard from improper handling of the machine! *If the machine is operated without the handle, it can not be controlled can cause injury.*

Do not operate the machine without the handle.

After transport, properly install the handle again.

For easier transport, the handle can be removed.

To remove the handle, do as follows:

1. Disconnect the M19 Connector **27** by unscrewing the gray nut on the connector. No tools are required.
2. Pull out the lynch pins **22**.

3. Pull the handle **3** gently out and remove it.
4. Insert the lynch pins back into the holes to secure them against loss.

Cleaning

▲ WARNING: Fire and explosion hazard from combustible materials. Combustible materials can cause severe burns. Never use petrol or cleaning solutions with a low combustion point for cleaning. Do not use flammable or aggressive cleaning materials for cleaning.

▲ 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. *Clean the bottom area of the machine with only low pressure water, being careful to stay away from motor, battery port and electronics.*

▲ NOTICE: Property damage hazard to the machine from high pressure water.

▲ WARNING: Injury hazard from hot surfaces. Allow the machine to cool down to prevent touching hot surfaces (namely eccentric area and motor parts, also all parts under the Belt Cover).

- Remove the battery.
- Wipe the machine dry with a clean, dry cloth.

Cleaning the Machine

Clean the machine every day. To clean the machine, do as follows:

1. Remove the battery.
2. Protect the motor well from water.
3. Wipe the machine dry with a clean, dry cloth.
4. Dry any damp spots on the machine that may have occurred during cleaning.
5. After cleaning, check the cables, wires and screw joints for leaks, loose connections, chafe marks and other damage and for contamination of the plug contacts.

Eliminate any problems immediately.

Checking the Motor for Damage

▲ WARNING: Injury hazard from damage or defects on the motor. Damages and defects on the motor are hazard sources. A damaged machine motor can injure the machine operator or bystanders.

Before every startup, visually inspect for damage. If damage is located and identified, never operate the machine. Replace defective components.

To check the motor for damage, do as follows:

1. Inspect:
 - Motor cover.
 - Power cable.
2. Do a visual inspection. Contact an authorized service center to repair any defects found.

Checking the Vents

Check air vents and outlet openings for coarse contamination, such as leaves, heavy dust deposits, etc., and clean if necessary.

Checking the Screw Joints

With vibrating devices it is always important to check the screw connections for tightness at regular intervals.

For that, do as follows:

1. Check all screw joints for firm seating.
2. Retighten the screw joints, if necessary.

Inspect the Rubber Cylinders (Fig. T)

There are four rubber cylinders **27**, two in the front, and two in the rear, between the chassis and the bottom vibrating plate that serve to dampen vibrations.

To check the rubber cylinders, do as follows:

1. Check the with rubber cylinders as shown for
 - Cracks and ruptures and
 - Firm seating.
2. Replace damaged rubber cylinders immediately.

Sealed Eccentric

▲ WARNING: Burn hazard from hot oil. Working on the sealed eccentric may cause a burn hazard from hot oil. Wear safety gloves. Slowly, carefully open the oil drainage screw to release pressure.

V-belt

▲ WARNING: Injury hazard from rotating parts. Crushing injuries can occur with an open-running belt drive. Perform inspection and maintenance tasks only with the engine off. Do not operate the machine without the V-belt guard.

▲ NOTICE: Property damage hazard to the machine. Make sure the frame can slide on the on the surface of the rubber buffers, and that the rubber buffers are not just stretched. If the rubber buffers are stretched, tap the buffers forward. After about 25 operating hours, check the V-belt tension again, and retighten if necessary.

▲ WARNING: Injury hazard from hot surfaces (pulleys, fastenings and V-Belt). Allow the machine to cool down first before beginning any maintenance. Users must wear gloves to perform any required maintenance.

Inspect the V-Belt (Fig. W, X)

To check the V-belt, do as follows:

1. Shut off the motor and allow the machine to cool down.
2. Remove the battery.
3. Remove the V-belt guard **24**.
4. Check the condition of the V-belt **25**, and replace it if damage is visible.
5. Check the V-belt tension, and tighten if necessary.

Tightening the V-belt (Fig. X)

1. Shut off the motor and allow the machine to cool down.
2. Remove the battery.
3. Remove the V-belt guard.
4. Loosen the external fastening nut **26** of the rubber buffer.
5. Tighten the V-belt by sliding the V-belt frame rearward.
6. Push-through dimension X = approx. 0.4" (10 mm).
7. Make sure the buffers' pretension is even.
8. Screw the rubber buffer tight.
9. Install the belt guard.

IMPORTANT: Ensure all four screws are firmly tightened. DO NOT use the machine if any of the four screws are missing. Contact an authorized service center if one or more screws are missing, or is not possible to firmly tighten them.

Storage

When shutting down the machine for an extended time (longer than 6 weeks), it should be placed on even, firm, stable ground on a pallet to prevent the ground from causing the bottom base of the machine from rusting.

- Remove the battery from the machine.
- The storage location should be dry, protected and have low air humidity.
- The ambient temperature should be between 32 °F (0 °C) and 86 °F (30 °C) and be subject to no strong temperature deviations.
- Clean thoroughly with a clean, dry cloth.
- Check for leaks and damage. Contact an authorized service center to repair any defects found.
- Cover with a protective tarp.

Returning the Machine to Use

Before returning the machine to use, check the machine:

- for leaks,
 - for defects or leaked oil, or
 - other damage.
1. Contact an authorized service center to repair any defects found.
 2. Check and retighten all screw joints.

Accessories

▲ WARNING: *Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this product 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 product are available at extra cost from your local dealer or authorized service center. If you need assistance in locating any accessory, please contact DEWALT. Call **1-800-4-DEWALT (1-800-433-9258)** or visit our website: **www.dewalt.com**.

Repairs

The charger and batteries are not serviceable. There are no serviceable parts inside the charger or battery pack.

▲ WARNING: *To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment should be performed by a factory service center or an authorized service center. Always use identical replacement parts.*

Register Online

Thank you for your purchase. Register your product now for:

- **WARRANTY SERVICE:** Registering your product will help you obtain more efficient warranty service in case there is a problem with your product.
- **CONFIRMATION OF OWNERSHIP:** In case of an insurance loss, such as fire, flood or theft, your registration of ownership will serve as your proof of purchase.
- **FOR YOUR SAFETY:** Registering your product will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act.
- Register online at **www.dewalt.com/account-login**.

Three-Year Limited Warranty

For warranty terms, go to **www.dewalt.com/support/warranty**.

To request a written copy of the warranty terms, contact: Customer Service at DEWALT Industrial Tool Co., 701 East Joppa Road, Towson, MD 21286 or call **1-800-4-DEWALT (1-800-433-9258)**.

LATIN AMERICA: This warranty does not apply to products sold in Latin America. For products sold in Latin America, see country-specific warranty information contained in the packaging, call the local company or see website for warranty information.

FREE WARNING LABEL REPLACEMENT: If your warning labels become illegible or are missing, call **1-800-4-DEWALT (1-800-433-9258)** for a free replacement.

Maintenance Chart

Maintenance	Every day	After 20 hours of use	After 100 hours of use	After 500 hours of use
Clean the machine.	X			
Visually check the wire harness.	X			
Visually check the rail system and terminal block.	X			
Visually check all rubber elements.	X			
Replace all rubber elements.				X
Tighten the V-belt tension.			X	
Check all screw joints for firm seating.		X	X	

**Compatible battery packs and chargers / Blocs-piles et chargeurs compatibles /
Baterías y cargadores compatibles**

POWERSHIFT®	Battery Packs	
	Blocs-piles	DCBPS0554
	Baterías	
	Chargers	
	Chargeurs	DCBPSC0550
	Cargadores	

* Maximum initial battery voltage (measured without a workload) is 120 volts. Nominal voltage is 54.

* La tension initiale maximum du bloc-piles (mesurée à vide) est de 120 volts. La tension nominale est de 54.

* El máximo voltaje inicial de la batería (medido sin carga de trabajo) es 60 voltios. El voltaje nominal es de 54.

▲ WARNING: Use of any other battery packs may create a risk of injury and fire.

▲ AVERTISSEMENT : utiliser d'autres blocs-piles peut créer un risque de blessure ou d'incendie.

▲ ADVERTENCIA: El uso de cualquier otro paquete de batería puede crear un riesgo de lesiones e incendio.

NOTE: DO NOT charge when the battery pack is below 40° F (4.5° C) or above 104° F (40° C). Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 104° F (40° C).

REMARQUE : NE PAS charger lorsque le bloc-piles est en dessous de 4,5° C (40° F) ou au-dessus de 40° C (104° F). Ne pas entreposer ou utiliser l'outil et le bloc-piles dans des endroits où la température peut atteindre ou excéder 40° C (104° F).

NOTA: NO cargue cuando el paquete de batería esté debajo de 4,5° C (40° F), o arriba de 40° C (104° F). No almacene ni use la herramienta y el paquete de baterías en lugares donde la temperatura pueda alcanzar o exceder los 40° C (104° F).

PART NUMBER

DEWALT Industrial Tool Co., 701 East Joppa Road, Towson, MD 21286
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The following are trademarks for one or more DEWALT power tools: the yellow and black color scheme, the "D" shaped air intake grill, the array of pyramids on the handgrip, the kit box configuration, and the array of lozenge-shaped humps on the surface of the tool.