

DEWALT
DEWALT DCPS320
Powershift Concrete
Powerpack



DEWALT DCPS320 Powershift Concrete Powerpack Instruction Manual

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DEWALT DCPS320 Powershift Concrete Powerpack



Product Information

Specifications

- Model: DCPS320
- Brand: DEWALT
- Power Source: POWERSHIFTTM Powerpack
- Control Features: Control dial, Wireless tool control position
- Indicators: Low battery indicator LED
- Additional Features: Quick change collar, Shoulder strap, Wireless tool control on/off switch

Product Usage Instructions

Intended Use

The DEWALT POWERSHIFTTM DCPS320 is specifically designed to power DEWALT POWERSHIFTTM vibrators. It should not be used in the presence of flammable liquids or gases. Ensure that children do not come into contact with the tool, and supervision is required when inexperienced operators use it.

General Power Tool Safety Warnings

It is crucial to read and adhere to all safety warnings, instructions, illustrations, and specifications provided with this power tool to prevent electric shock, fire, and serious injury. Save all warnings and instructions for future reference.

Work Area Safety

1. Keep the work area clean and well-lit to prevent accidents.
2. Avoid operating power tools in explosive atmospheres with flammable liquids, gases, or dust that could ignite from sparks.
3. Ensure children and bystanders are kept away during tool operation to avoid distractions that may lead to loss of control.

Electrical Safety

Use power tool plugs that match the outlet without modification. Do not use adapter plugs with earthed (grounded) power tools to reduce the risk of electric shock.

FAQ (Frequently Asked Questions)

- **Q: What is the main purpose of the DEWALT POWERSHIFTTM DCPS320?**
 - A: The main purpose of this product is to power DEWALT POWERSHIFTTM vibrators.

- **Q: Can children use this tool unsupervised?**

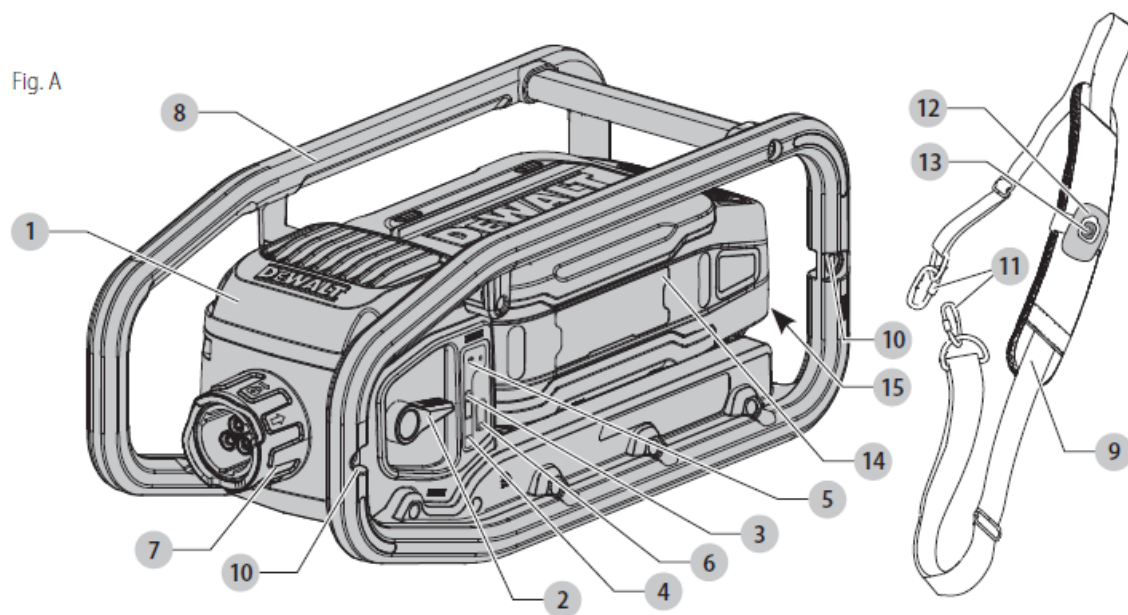
- A: No, children should not come into contact with this tool, and supervision is required when inexperienced operators use it.

Instruction Manual

DCPS320

POWERSHIFT™ Concrete Powerpack POWERSHIFT™ Concrete Powerpack

Fig. A



1. POWERSHIFT™ Powerpack
2. Control dial
3. Off position
4. On position
5. Wireless tool control position
6. Low battery indicator LED
7. Quick change collar
8. Cage
9. Shoulder strap
10. Strap mount
11. Strap latch
12. Wireless tool control on/off switch
13. On/off remote button
14. Battery
15. Battery release button


If you have questions or comments, contact us.


1-800-4-DEWALT


WARNING: Read all safety warnings, instructions, illustrations, and specifications in this manual, including the battery and charger sections provided in an original tool manual or the separate Batteries and Chargers manual. Manuals can be obtained by contacting Customer Service as described elsewhere in this manual. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Definitions: Safety Alert Symbols and Words

This instruction manual uses the following safety alert symbols and words to alert you to hazardous situations and your risk of personal injury or property damage.

 **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.

 (Used without word) Indicates a safety related message.

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

Intended Use

- This DEWALT POWERSHIFT™ DCPS320 is designed to power DEWALT POWERSHIFT™ vibrators.
- DO NOT use 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.

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.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 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.
- 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.
- If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.

3. Personal Safety

- 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.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- 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 energizing power tools that have the switch on invites accidents.
- 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.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- 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.
- 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

- 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.
- 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.
- Disconnect the plug from the power source and/ or remove 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.

- 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.
- 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.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- Use the power tool, accessories and tool bits, 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.
- 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. Battery Tool Use and Care

- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or tool 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 tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

6. Service

- 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.
- Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

Additional Safety Rules for Concrete Vibrators

- The tool is designed for long period of usage, the vibration level is below 5m/s². Use gloves to provide extra cushion, take frequent rest periods, and limit daily time of use.
- Keep hands away from moving parts. Never place your hands near the vibrator head.
- Do not hold vibrator head when starting the tool or during operation. Serious personal injury may result.
- Ensure switch is in the off position and disconnect battery pack before cleaning the vibrator head or hose.

- Use gloves when cleaning the vibrator head. Concrete is caustic and may cause personal injury.
- Keep hands and body parts clear of immediate work area.
- Do not overreach. Maintain proper footing and balance at all times. This enables better control of the tool in unexpected situations.
- Use both hands for safe handling of this tool (Fig. F). This tool should not be used while standing on a ladder.
- This tool is intended only for vibrating concrete. Any other use of the product may cause serious personal injury.
- Actuating tool may result in flying debris, collation material or dust which could harm operator's eyes. The operator and all those persons in the general area should wear approved safety glasses with permanently attached side shields. Approved safety glasses are imprinted with the characters "Z87.1". It is the employer's responsibility to enforce the use of eye protection equipment by the tool operator and other people in the work area.
- Actuating tool may result in flying debris, collation material or dust which could harm operator's eyes. To minimize risk of flying debris only operate tool while vibrator head is fully submerged in the wet, mixed, poured concrete.
- Do not use tool in a concrete mixer. Serious personal injury may result.
- Disconnect battery pack from the tool whenever assembling or disassembling the tool, performing any maintenance or repair, moving the tool or when the tool is unattended.
- When assembling or disassembling the hose from the power unit, the internal hose core may act like a spring. Slowly separate the hose from the power unit, while wearing eye protection and gloves to prevent personal injury.
- Do not alter or modify the tool in any way.
- Do not use tool in or around grain hoppers, flammable dust, gases or fumes. The tool may produce a spark that could ignite gases causing an explosion.
- Do not contact the vibrator head to any part of your body while it is running.
- Do not point the tool at co-workers or yourself at any time. No horseplay! Work safe! Respect the tool as a working implement.

Additional Safety Information

- **WARNING:** Never modify the power tool or any part of it. Damage or personal injury could result.
- **WARNING:** ALWAYS use safety glasses. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if cutting operation is dusty.
- ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:
 - ANSI Z87.1 eye protection (CAN/CSA Z94.3),
 - ANSI S12.6 (S3.19) hearing protection,
 - NIOSH/OSHA/MSHA respiratory protection.
- **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California 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, and arsenic and chromium from chemically-treated lumber. 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.
- 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. Direct particles away from face and body.
 - Use the appropriate dust extractor vacuum to remove the vast majority of static and airborne dust. Failure to remove static and airborne dust could contaminate the working environment or pose an increased health risk to the operator and those in close proximity.
 - Use clamps or other practical ways to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control and injury.
 - Air vents often cover moving parts and should be avoided. Loose clothes, jewelry or long hair can be caught in moving parts.
 - **CAUTION:** When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard. Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over.

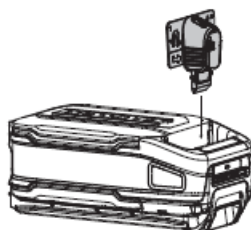
WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.
- **KEEP** new and used batteries OUT OF REACH of CHILDREN.
- Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.

Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate. Even used batteries may cause severe injury or death. Call a local poison control center for treatment information. The Tool Connect™ chip uses a CR2450 type battery of nominal 3V voltage. Non-rechargeable batteries are not to be recharged. Do not force discharge, recharge, disassemble, heat above 140 ° F (60 ° C), or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns. Ensure the batteries are installed correctly according to polarity (+ and -). Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

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.

The label on your tool may include the following symbols. The symbols and their definitions are as follows:

- V..... volts
- Hz.....hertz
- min.....minutes
-  or DC.....direct current
-  Class I Construction (grounded)
- .../min..... per minute
- BPM..... beats per minute
- IPM..... impacts per minute
- OPM..... oscillations per minute
- RPM..... revolutions per minute
- sfpm..... surface feet per minute
- SPM..... strokes per minute
- A..... amperes
- W..... watts
- Wh..... watt hours
- Ah..... amp hours
-  or AC alternating current
-  or AC/DC alternating or direct current
-  Class II Construction (double insulated)
- no..... no load speed
- n..... rated speed
- PSI..... pounds per square inch
-  earthing terminal
-  safety alert symbol
-  visible radiation—do not stare into light
-  wear respiratory protection
-  wear eye protection
-  wear hearing protection

-  read all documentation
-  do not expose to rain

BENEFITS OF VIBRATING CONCRETE

- Increased concrete strength by removing air voids.
- Improved appearance by removing air voids.
- Increased bond between reinforcing bars and concrete.
- Provides low permeability to water and to aggressive substances contained therein.
- Reduced cold joints and honeycombing.
- Increased life cycle of concrete.

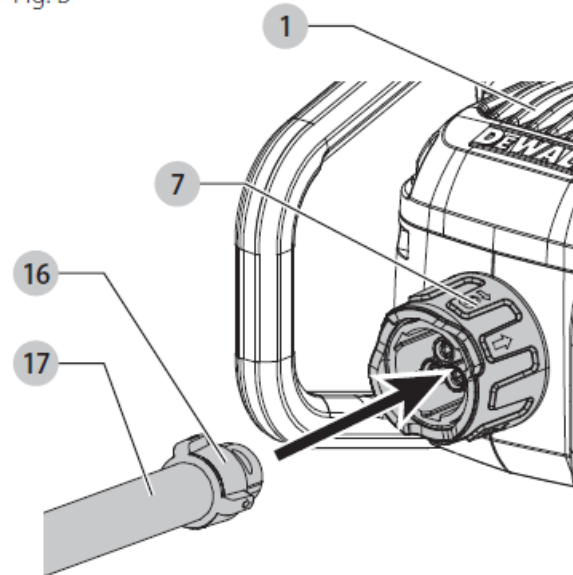
ASSEMBLY AND ADJUSTMENTS

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.

HEAD/HOSE SELECTION	
SKU #	DIMENSIONS – HEAD/HOSE
DCPS3382	1.5"/38 mm head – 7 ft/2 m hose
DCPS3383	1.5"/38 mm head – 10 ft/3 m hose
DCPS3385	1.5"/38 mm head – 16 ft/5 m hose
DCPS3386	1.5"/38 mm head – 21 ft/6 m hose
DCPS3452	1.75"/46 mm head – 7 ft/2 m hose
DCPS3453	1.75"/46 mm head – 10 ft/3 m hose
DCPS3455	1.75"/46 mm head – 16 ft/5 m hose
DCPS3456	1.75"/46 mm head – 21 ft/6 m hose
DCPS3502	2"/50 mm head – 7 ft/2 m hose
DCPS3503	2"/50 mm head – 10 ft/3 m hose
DCPS3505	2"/50 mm head – 16 ft/5 m hose
DCPS3506	2"/50 mm head – 21 ft/6 m hose
DCPS3592	2.25"/59 mm head – 7 ft/2 m hose
DCPS3593	2.25"/59 mm head – 10 ft/3 m hose
DCPS3595	2.25"/59 mm head – 16 ft/5 m hose
DCPS3596	2.25"/59 mm head – 21 ft/6 m hose

Attaching the POWERSHIFT™ Vibrator to the POWERSHIFT™ Powerpack (Fig. B)
(POWERSHIFT™ Vibrator Sold Separately)

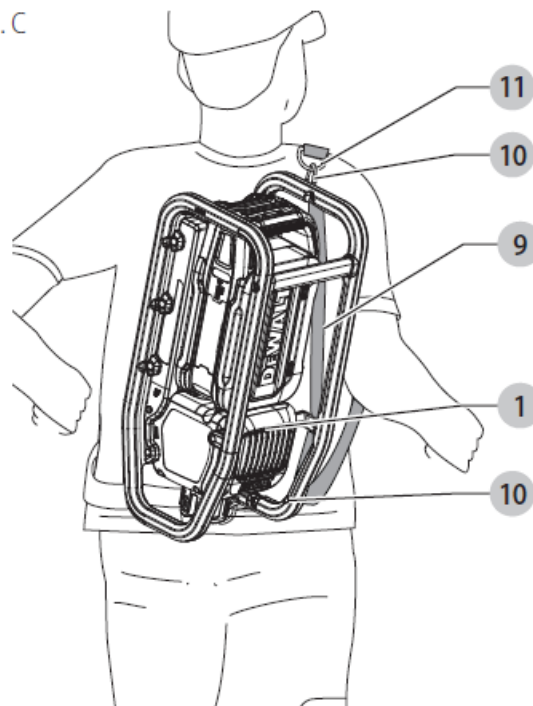
Fig. B



1. Align the arrow on quick change plug 16 located at the end of the hose 17 into the quick change collar 7 of the POWERSHIFT™ Powerpack 1 by rotating the quick change collar 7 .
2. Firmly press the plug 16 into the quick change collar 7 until it clicks into the locked position.
NOTE: Do not use a wrench to tighten the quick change collar.
3. To disconnect, rotate the quick change collar 7 clockwise and pull the quick change plug 16 from the quick change collar 7 and the POWERSHIFT™ Powerpack 1 .

Attaching and Adjusting the Shoulder Strap (Fig. C)

Fig. C



WARNING: The shoulder strap 9 should only be slung over one shoulder and not across the body. Attach the shoulder strap 9 to the POWERSHIFT™ Powerpack 1 as shown in Fig. C and adjust for proper balance and support.

1. Snap the strap latch 11 onto the strap mount 10 located on the POWERSHIFT™ Powerpack 1, as shown in Fig. C.
2. Adjust the shoulder strap 9 so it fits over your shoulder and provides proper balance and support.
3. To remove the shoulder strap 9 pinch the strap latch 11 and pull it from the strap mount 10.

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.

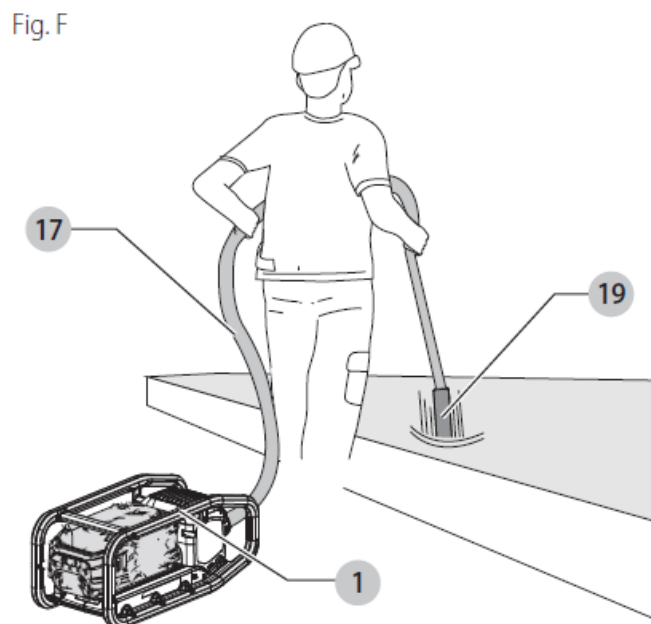
Vibration of Concrete

WARNING: Leaving the vibrator head in the mix too long can cause defects.

The result of the compression depends on the following factors

- The time the vibrator head is in the concrete.
- The diameter of the vibrator head.
- The consistency of the concrete.
- Narrow spacing between the steel rods.

Proper Hand Position (Fig. F)

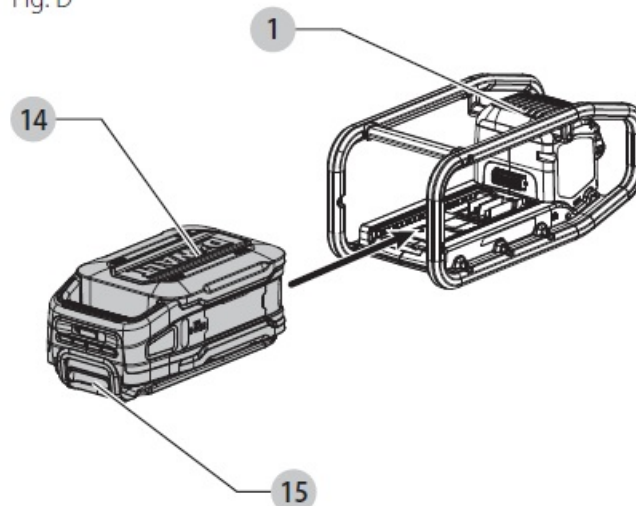


- **WARNING:** To reduce the risk of serious personal injury, ALWAYS use proper hand position as shown.
- **WARNING:** To reduce the risk of serious personal injury, ALWAYS hold securely in anticipation of a sudden reaction.

Proper hand position requires both hands on the hose 17.

Installing and Removing the Battery Pack (Fig. D)

Fig. D



WARNING: Ensure the tool/appliance is in the off position before inserting the battery pack.

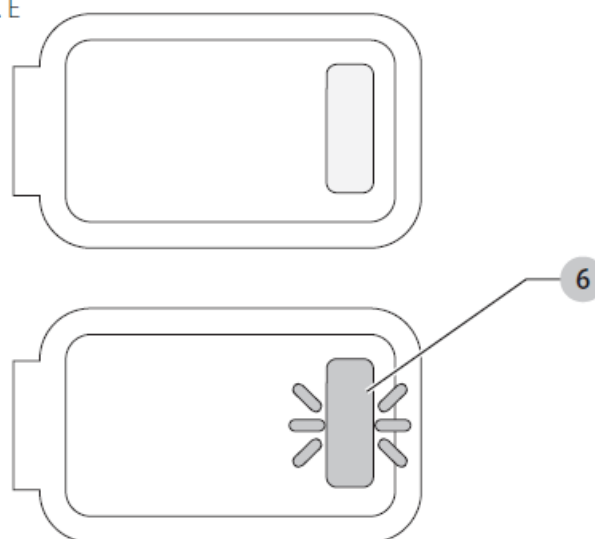
NOTE: For best results, make sure your battery pack is fully charged.

1. To install the battery pack 14 into the Powerpack 1, align the battery pack with the rails inside the Powerpack 1 and slide it into the powerpack 1 until the battery pack is firmly seated in the tool and ensure that it does not disengage.
2. To remove the battery pack 14 from the tool, press the battery pack release button 15 and firmly pull the battery pack out of the Powerpack 1. Insert it into the charger.

Low Battery Charge Indicator LED (Fig. E)

When the battery charge becomes low, the low battery charge indicator LED 6 will flash every ten seconds. When the battery charge is depleted the charge indicator LED 6 will illuminate. This indicates that you need to charge or replace the battery before continuing to work.

Fig. E



Operation Modes (Fig. A, H-K)

The POWERSHIFT™ Powerpack 1 can be operated remotely using the wireless tool control on/off switch 12 or by setting the control dial 2 to the on position 4.

Pairing The Wireless Tool Control On/Off Switch

Fig. A

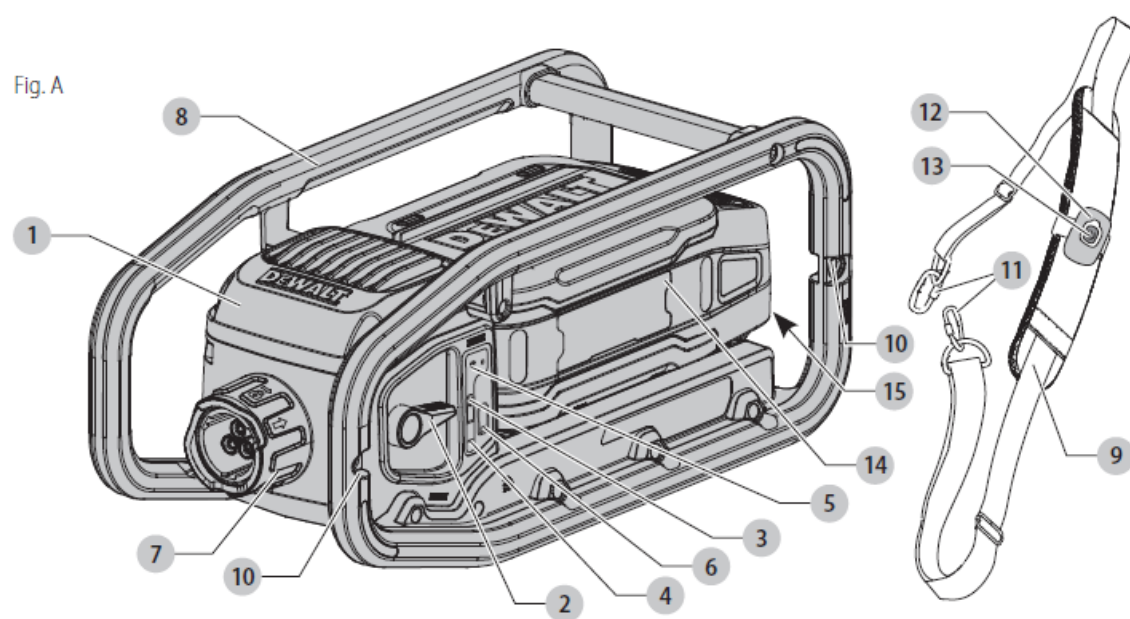


Fig. H

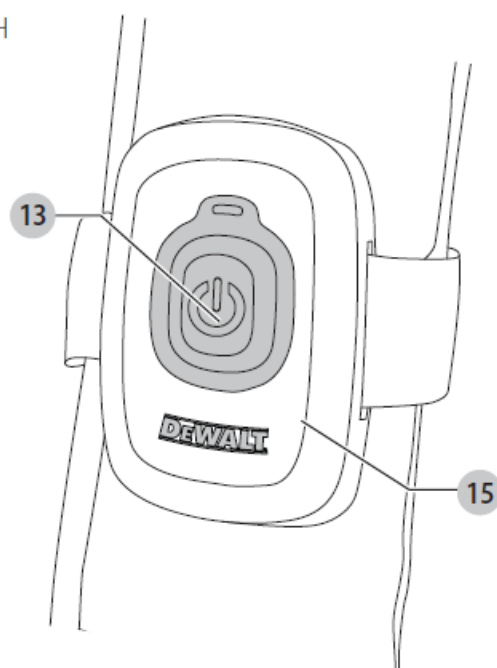
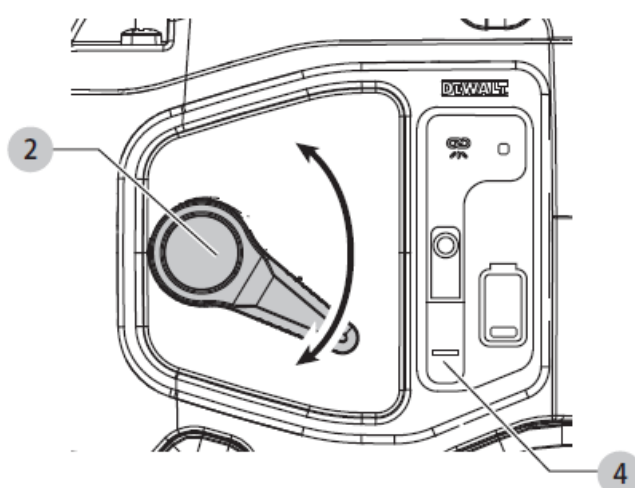


Fig. K



With The Powerpack (Fig. A, H, I)

- **CAUTION:** When the DCPS320 is being controlled with the wireless tool control on/off switch it may start or stop without warning.
- **WARNING:** Do not attach the wireless tool control on/off switch strap to any moving parts.

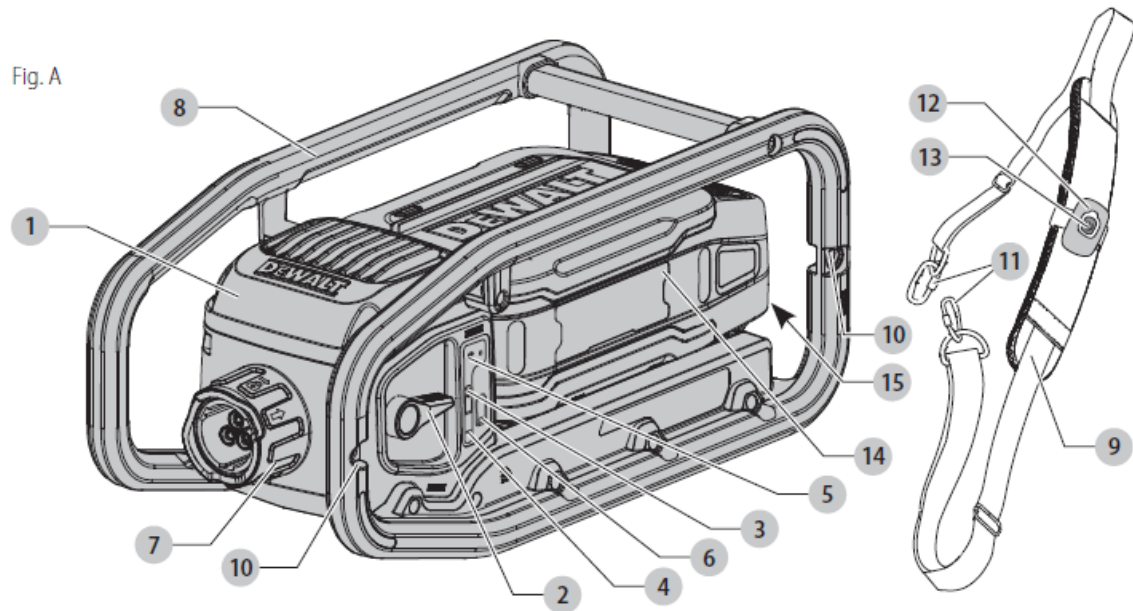


Fig. H

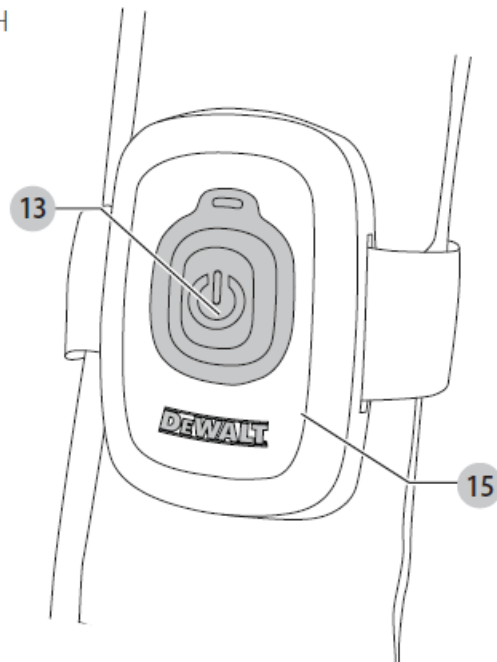
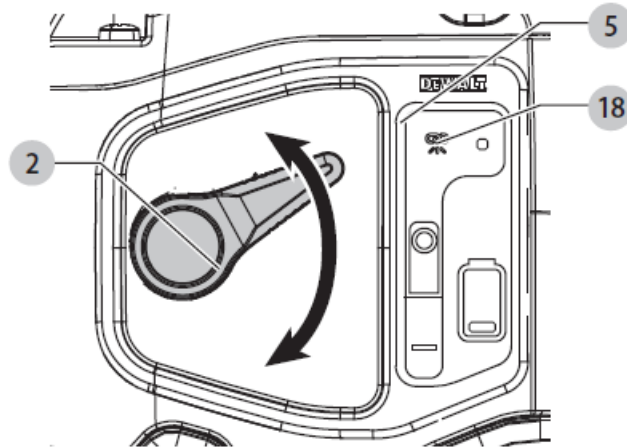


Fig. I



1. Move the control dial 2 wireless tool control to the position 5 .
2. Press and hold the Wireless Tool Control™ pairing button 18 on the DCPS320 and move the control dial 2 to the wireless tool control position 5 . Press the on/off remote button 13 on the wireless tool control on/off switch 12 at the same time.
3. The LED above the Wireless Tool Control™ pairing button 18 will be steadily illuminated to indicate a successful pairing.

NOTE: Only one transmitter can be paired to the DCPS320 at a time. If the DCPS320 has already paired the previous transmitter will be overridden.

To Unpair The Wireless Tool Control On/Off Switch

1. Move the control dial 2 to the wireless tool control position 5 and press the on/off remote button 13 on the wireless tool control on/off switch 12 at the same time.
2. The LED above the Wireless Tool Control™ pairing button 18 will flash slowly to indicate a successful unpairing.

CAUTION: To prevent unintentional switch-on after the end of work, move the control dial 2 to the off position 3 or unpair the Wireless Tool Control of tool or remote.

LED FLASH PATTERN

- In pairing mode

-

No device is paired

-

Device is successfully paired

=====

Remote Operation (Fig. A, H-K)

Fig. A

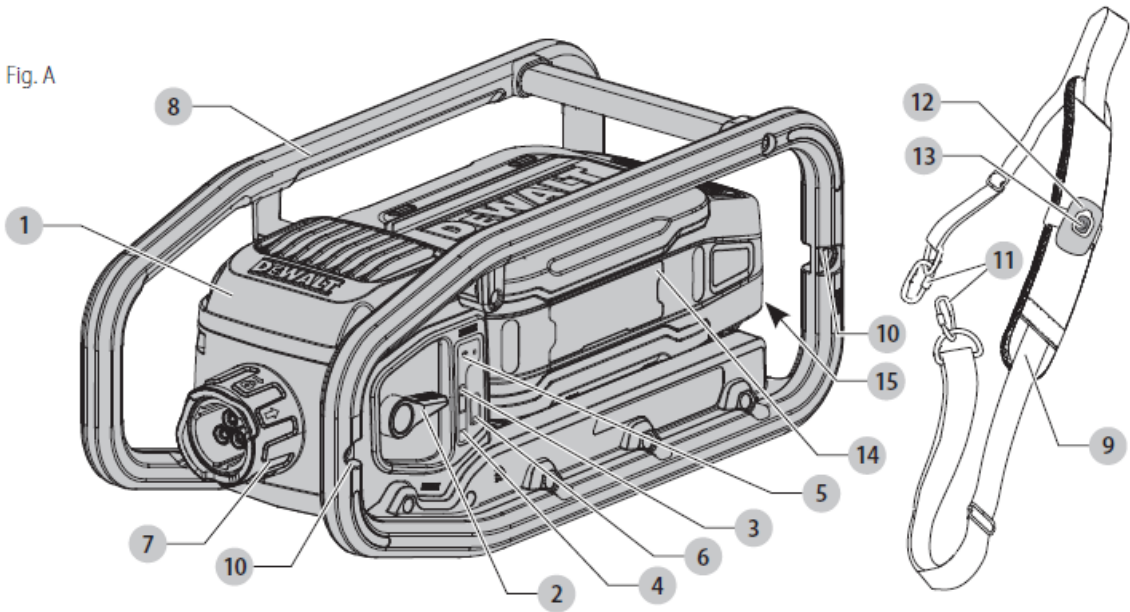


Fig. H

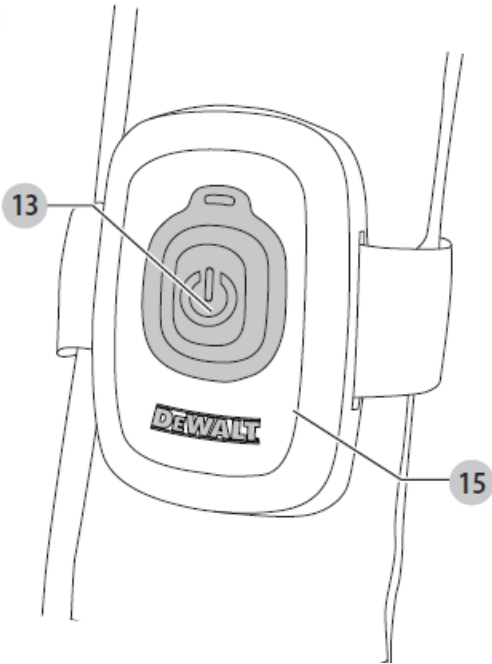
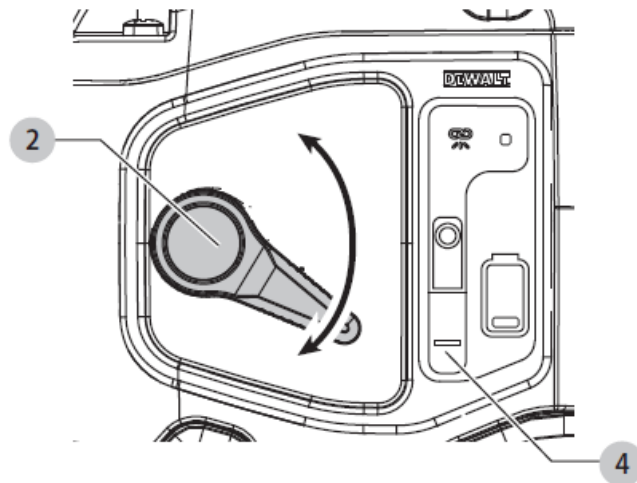


Fig. K



1. Move the control dial 2 to the wireless tool control position 5 as shown in Fig. I.
2. Locate the wireless tool control on/off switch 12 and press the on/off remote button 13 to turn on the vibrator head 19 .
3. Press the on/off remote button 13 to turn off the vibrator head 19 as shown in Fig. H. You can also move the control dial 2 to the off position 3 as shown in Fig. J.

Fig. J

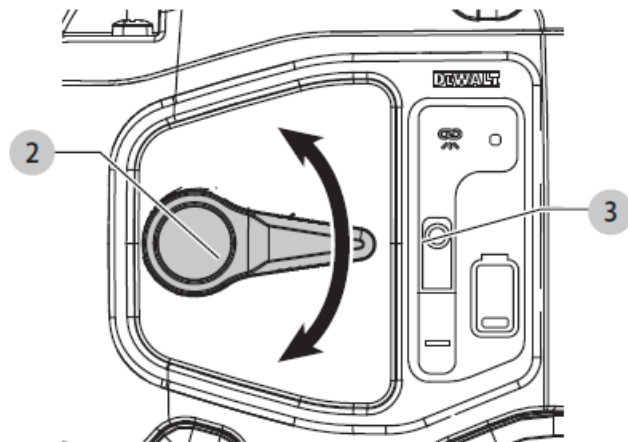


Fig. I

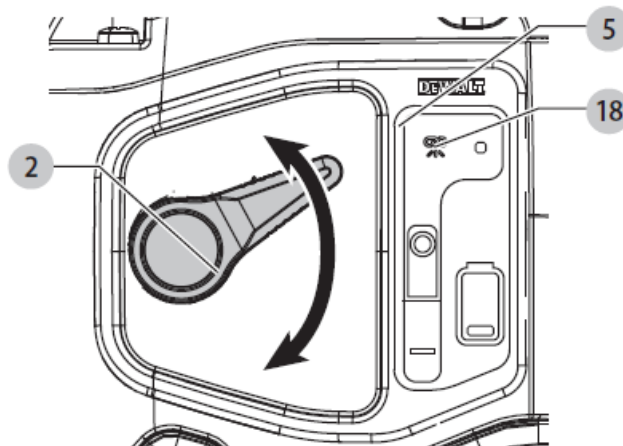
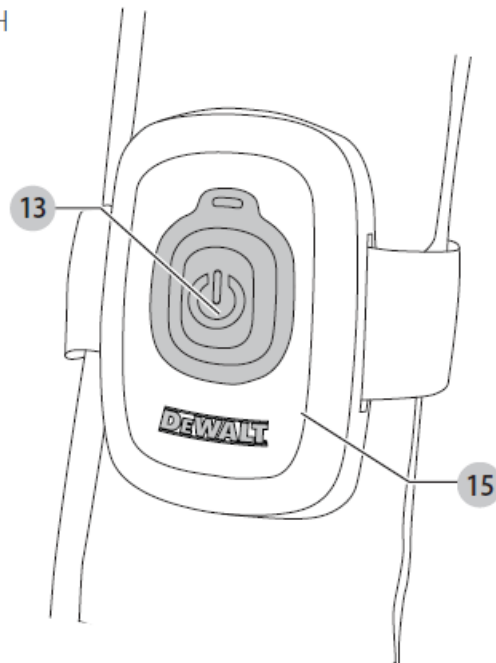


Fig. H



Direct Operation

1. Move the control dial 2 to the on position 4 as shown in Fig. K. The vibrator head 19 will turn on.
2. To turn the vibrator head 19 off move the control dial 2 to the off position 3 as shown in Fig. J.

Fig. J

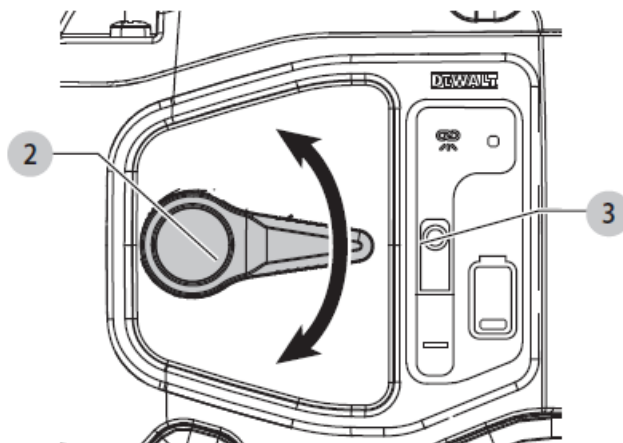


Fig. K

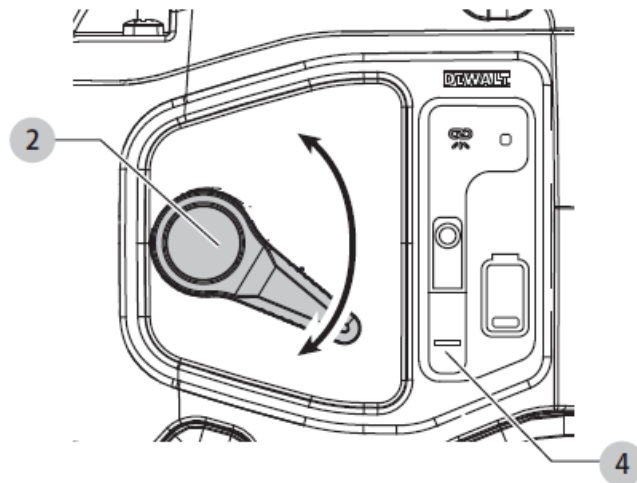
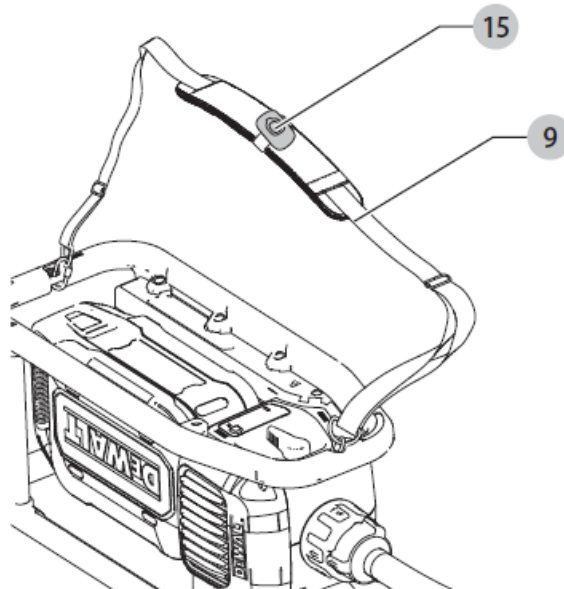


Fig. G



To Operate (Fig. A, H–K)

1. Place the POWERSHIFT™ Powerpack 1 on a flat, stable surface or place the attached shoulder strap 9 over your shoulder to provide proper balance and support of the POWERSHIFT™ Powerpack 1 .
2. Hold the hose 17 with both hands.
3. Switch the POWERSHIFT™ Powerpack 1 on as described in Operation Modes.
4. Immerse the vibrator head 19 into the freshly mixed (green) concrete allowing the weight of the vibrator head 19 to fully penetrate.
5. Guide the vibrator head 19 through the freshly mixed concrete for five to fifteen seconds, then slowly lift the vibrator head 19 out to avoid retrapping air. Small up and down movements will close any holes formed by the vibrator head 19 .
6. Move the vibrator head 19 to the next location and repeat.

Fig. A

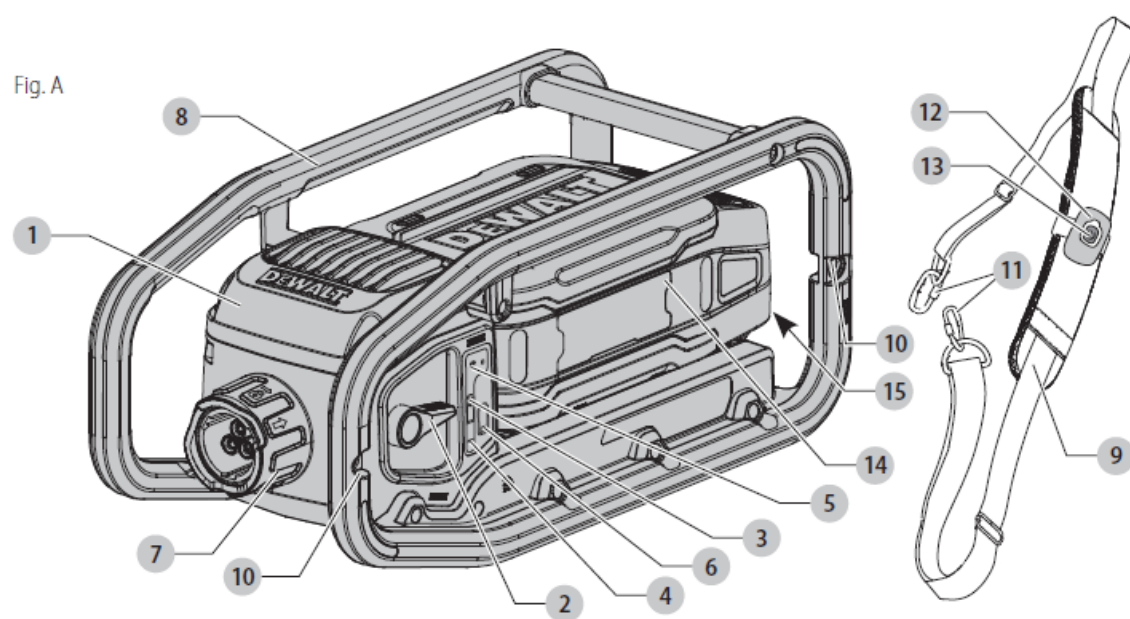


Fig. H

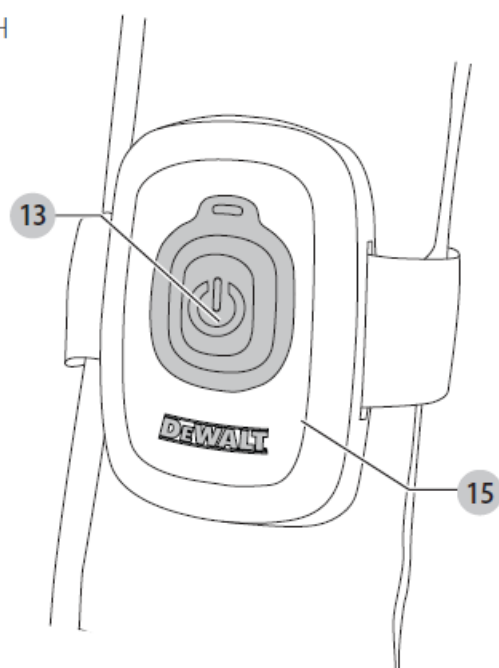
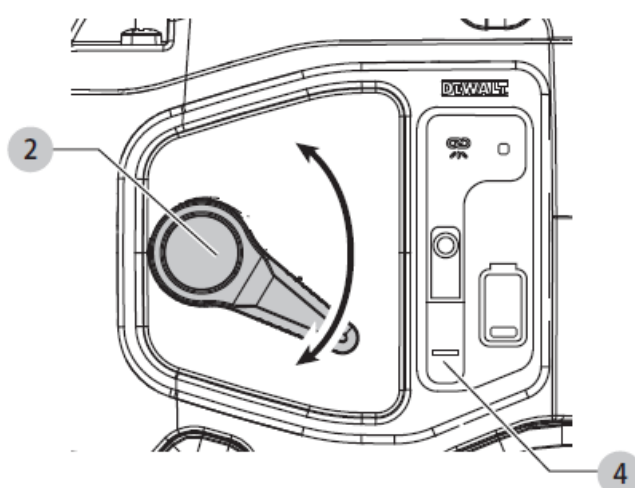


Fig. K



- **NOTE:** Lift the vibrator head 19 vertically from the mix at a rate of about three seconds per foot of thickness of the concrete.
- **NOTE:** For best results, it is usually best to keep the vibrator head vertical at all times and to avoid side-to-side movement.
- **NOTE:** Compact particularly intensely within formwork corners as reinforcement density is the greatest there.
- **NOTE:** If a small diameter vibrator head is used, it must be compacted longer to achieve the same effect as with a large diameter.

IMPORTANT: Do not drag the vibrator head 19 through the mix, as this will form mortar channels (areas where there is no stone). Once the vibrator head 19 reaches the surface, remove it quickly to avoid churning the concrete at the surface.

Signs that the concrete has been sufficiently compacted

- Concrete no longer settles.
- Little to no air bubbles are rising any longer.

After Use

- **WARNING:** Do not let the machine run outside of the freshly mixed (green) concrete.
- **WARNING:** Risk of burning from hot surface.
- **WARNING:** Damage to the machine from increased wear.

If Vibrator Head Becomes Too Hot

1. Slowly pull the vibrator head 19 out of the freshly mixed (green) concrete and hold it in the air.
2. Turn the control dial 2 to the off position 3.
3. Wait until the vibrator head 19 comes to a complete stop.
4. Disconnect the hose 17 from the POWERSHIFT™ Powerpack 1. Rotate the quick change collar 7 clockwise and pull the quick change plug 16 from the quick change collar 7 and POWERSHIFT™ Powerpack unit 1.
5. Allow the vibrator head 19 to cool down before attempting to use again.

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.

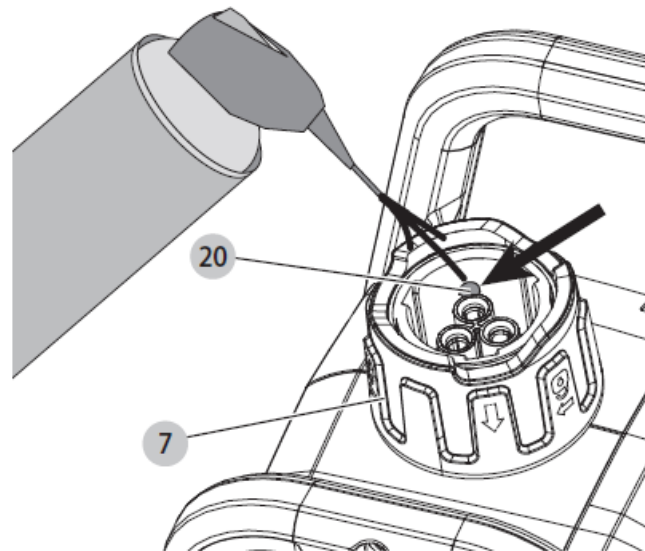
Shaft Lubrication

Do not disassemble vibrator head. The vibrator head is sealed at the factory and contains a special high-performance lubricant. Breaking the seal and adding incorrect lubricant will significantly decrease the performance and life of the tool. If vibrator head is damaged or needs lubricant, take the tool to a DEWALT authorized service center.

Collar Ball Lubrication (Fig. L)

It is recommended to lubricate the collar ball 20 , inside the collar 7 , twice a year using a spray penetrant and moisture displacer as shown in Fig. L. DO NOT use grease.

Fig. L



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](tel:8004339258)) or visit our website: www.dewalt.com .

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.

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.
- **WARNING:** DO NOT clean with a high pressure cleaner.

Repairs

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

WARNING: To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement, when applicable) 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](tel:8004339258)).

- **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](tel:8004339258)) for a free replacement.

Technical Data

- **Voltage** V 60
- **Weight** lbs (kg) 9.9 (4.5)

Compatible battery packs and chargers

POWERSHIFT

- **Battery Packs** DCBPS0554
- **Chargers** DCBPSC0550
- **Battery Packs** DCB606, DCB609, DCB609G, DCB612, DCB615
- **Chargers** DCB094, DCB102, DCB103, DCB104, DCB107, DCB112, DCB113, DCB115, DCB118, DCB132, DCB1102, DCB1104, DCB1106, DCB1112

The DCPS320 POWERSHIFT® 6.375IN core drill stand is compatible with the mentioned FLEXVOLT® batteries when those batteries are put into the DCAVPS FLEXVOLT® Adaptor.

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

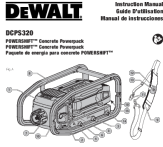
WARNING: Use of any other battery packs may create a risk of injury and fire.

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).

- DeWALT Industrial Tool Co., 701 East Joppa Road, Towson, MD 21286
- Copyright © 2024

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.

Documents / Resources

 <p>DEWALT DCPS320 POWERSHIFT® Concrete Powerpack FLEXVOLT® Concrete Powerpack Paquete de energía para concreto POWERSHIFT®</p>	<p>DEWALT DCPS320 Powershift Concrete Powerpack [pdf] Instruction Manual DCPS320, DCPS320 Powershift Concrete Powerpack, Powershift Concrete Powerpack, Concrete Powerpack, Powerpack</p>
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References

- [!\[\]\(694fcb4611893e9db5249daba48abfc1_img.jpg\) **DEWALT® Power Tools Official Site | Guaranteed Tough®**](#)
- [!\[\]\(8ec8d5dc48934930a762fecf6ecbe179_img.jpg\) **DEWALT® Power Tools Official Site | Guaranteed Tough®**](#)
- [**User Manual**](#)

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