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DEWALT DCN660B

DEWALT 20V MAX* 16GA Angled Finish Nailer DCN660B User Manual

Model: DCN660B | Brand: DEWALT

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1. SAFETY INFORMATION

Always observe basic safety precautions when using this tool to reduce the risk of personal injury. Read and understand all instructions before operating the DEWALT DCN660B finish nailer. Keep this manual for future reference.

- **Wear Eye Protection:** Always wear safety glasses that comply with ANSI Z87.1.
- **Wear Hearing Protection:** Prolonged exposure to noise can cause hearing damage.
- **Keep Work Area Clear:** Ensure the work area is well-lit and free of clutter.
- **Do Not Overreach:** Maintain proper footing and balance at all times.
- **Disconnect Power:** Always remove the battery pack before making adjustments, changing accessories, or storing the tool.
- **Use Correct Fasteners:** Only use 16 gauge angled finish nails within the specified length range (1-1/4 inch to 2-1/2 inch).
- **Avoid Accidental Firing:** Keep fingers away from the trigger when not actively driving fasteners.
- **Proposition 65 Warning:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2. SETUP

2.1. Battery Installation and Removal

The DCN660B operates with DEWALT 20V MAX* Lithium-Ion batteries. Ensure the battery is fully charged

before use.

- **To Install:** Align the battery pack with the tool's battery port and slide it in until it clicks securely into place.
- **To Remove:** Press the battery release button and pull the battery pack out of the tool.



Image 1: The DEWALT DCN660B 16GA Angled Finish Nailer. This image shows the overall design of the nailer, including the battery port at the base of the handle where a 20V MAX* battery would be inserted.

2.2. Loading Nails

This nailer uses 16 gauge angled finish nails. Always ensure the battery is removed before loading nails.

1. Pull back the pusher assembly until it locks into the open position.
2. Insert a strip of 16 gauge angled finish nails into the magazine with the nail points facing down.
3. Release the pusher assembly, allowing it to push the nails forward until they are seated against the nosepiece.



Image 2: A close-up view of the DEWALT DCN660B nailer's magazine. This image highlights the angled magazine design, where the 16 gauge finish nails are loaded.

2.3. Adjusting Depth

The tool-free depth adjustment allows for precise countersinking of nails. Rotate the depth adjustment wheel located near the nosepiece to achieve the desired nail depth.

- Turn the wheel clockwise to increase nail depth (drive deeper).
- Turn the wheel counter-clockwise to decrease nail depth (drive shallower).

2.4. Selecting Actuation Mode

The DCN660B features a tool-free selectable trigger for two actuation modes:

- **Sequential Actuation Mode:** For precise placement. The trigger must be pulled for each fastener.
- **Contact Actuation Mode:** For rapid fastening. The trigger can be held, and fasteners are driven by contacting the nosepiece with the workpiece.

Use the selector switch on the side of the tool to choose the desired mode.

3. OPERATION

3.1. Basic Nailing Procedure

1. Ensure the battery is installed and nails are loaded.
2. Select the appropriate actuation mode (Sequential or Contact).
3. Place the nosepiece firmly against the workpiece where the nail is to be driven.
4. Pull the trigger to drive the nail. For sequential mode, release the trigger and lift the tool before moving to the next fastening point. For contact mode, keep the trigger pulled and move the tool to the next point, pressing the nosepiece against the surface.
5. Observe the nail depth and adjust as necessary.

3.2. Clearing Nail Jams

In the event of a nail jam, follow these steps:

1. **Remove the battery pack immediately.**
2. Open the tool-free jam release latch located near the nosepiece.
3. Carefully remove any jammed nails or debris using pliers if necessary.
4. Close the jam release latch securely.
5. Reinstall the battery pack and resume operation.

3.3. LED Indicators

The multi-functional LED lights provide both workspace illumination and tool diagnostics:

- **Solid Green:** Tool is ready for operation.
- **Flashing Green:** Battery is low.
- **Solid Red:** Tool is jammed or stalled. Refer to clearing jams or stall release.
- **Flashing Red:** Tool is overheating. Allow the tool to cool down.

An integrated tool-free stall release lever is available to quickly reset the driver blade in the event of a stall.

4. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool. Always remove the battery pack before performing any maintenance.

- **Cleaning:** Use a clean, dry cloth to wipe down the tool. Do not use solvents or harsh chemicals. Keep the ventilation openings clear of dust and debris.
- **Magazine Inspection:** Periodically inspect the nail magazine for any build-up of debris or damage that could impede nail feeding.
- **Nosepiece Inspection:** Check the nosepiece for wear or damage. A worn nosepiece can affect nail placement and depth.
- **Storage:** Store the tool in a dry, secure location out of reach of children. Remove the battery pack before storage.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not fire.	Battery not installed or discharged; no nails in magazine; nosepiece not fully depressed; actuation mode incorrect.	Check battery charge and installation; load nails; ensure nosepiece is firmly against workpiece; verify actuation mode setting.
Nails jam frequently.	Incorrect nail size/type; damaged nails; debris in magazine; worn nosepiece.	Use only specified 16GA angled finish nails; inspect nails for damage; clear magazine debris; inspect/replace nosepiece if worn.
Nails not driven to desired depth.	Depth adjustment incorrect; low battery charge; insufficient pressure on nosepiece.	Adjust depth setting; charge battery; apply firm, consistent pressure to the nosepiece.
LED indicator shows red.	Tool jammed or stalled; tool overheating.	Clear any jams using the jam release; use the stall release lever; allow tool to cool if overheating.

6. SPECIFICATIONS

Model Number	DCN660B
Power Source	Cordless (DEWALT 20V MAX* Battery System)
Nail Gauge	16 Gauge Angled Finish Nails
Nail Length Capacity	1-1/4 inch to 2-1/2 inch
Item Weight	1 pounds (tool only)
Product Dimensions	13.06 x 1 x 12.38 inches
Motor Type	Brushless
Actuation Modes	Sequential and Contact

7. WARRANTY AND SUPPORT

DEWALT provides a limited warranty for its products. For detailed warranty information, including terms, conditions, and registration, please refer to the official DEWALT website or the warranty card included with your purchase.

For technical assistance, service, or to locate a service center, please visit the official DEWALT support page or contact their customer service directly.

Official DEWALT Website: www.dewalt.com

DEWALT Store on Amazon: Visit the DEWALT Store