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Pour toute question ou tout commentaire, nous contacter.
Si tiene dudas o comentarios, contáctenos.*

1-800-4-DEWALT • www.dewalt.com

**INSTRUCTION MANUAL
GUIDE D'UTILISATION
MANUAL DE INSTRUCCIONES**

INSTRUCTIVO DE OPERACIÓN, CENTROS DE SERVICIO Y PÓLIZA DE GARANTÍA. **ADVERTENCIA:** LEÁSE ESTE INSTRUCTIVO ANTES DE USAR EL PRODUCTO.

DEWALT®

DWE46170

7" (178 mm) Concrete Surface Grinding Shroud with Hinged Door

178 mm (7 po) Carter d'aspiration pour meuleuses de finition du béton avec capot à charnière

178 mm (7") Cubierta protectora para esmerilado de superficies de concreto

Definitions: Safety Guidelines

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

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

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

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

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

IF YOU HAVE ANY QUESTIONS OR COMMENTS ABOUT THIS OR ANY DEWALT TOOL, CALL US TOLL FREE AT: **1-800-4-DEWALT (1-800-433-9258)**.



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

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

General Safety Warnings

⚠ WARNING: For your own safety, read the instruction manual for both the grinder tool and the dust extractor vacuum before using any accessory. Failure to heed these warnings may result in personal injury and serious damage to the tool and the accessory. When servicing this tool, use only identical replacement parts.

English

1) WORK AREA SAFETY

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.
- c) **Ensure the workplace is well ventilated.** Exposure to dust at a poorly ventilated workplace may result in damage to the health.

2) ELECTRICAL SAFETY

- a) **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.

3) PERSONAL SAFETY

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- d) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.

4) POWER TOOL USE AND CARE

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- ⚠ WARNING:** The use of any accessory or attachment or performance of any operation with this tool, other than those recommended in this instruction manual may present a risk of personal injury.
- b) **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.
- c) **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.

5) SERVICE

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

Surface Grinding Shroud Safety Rules

- **The shroud must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator.** The shroud is designed to collect dust and help protect the operator from accidental contact with the wheel.
- **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** Just because the accessory can be attached to your power tool, it does not assure safe operation.

- **Only use dry diamond surface cup wheels with this surface grinding shroud.** The surface grinding shroud is not intended to be used with standard grinding, cut-off, cup wheels or wire brushes.
- **The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** Accessories running faster than their rated speed can break and fly apart.
- **Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electrical shock.
- **Always use side handle. Tighten the handle securely.** The side handle should always be used to maintain control of the tool at all times.
- **Do not use a damaged accessory. Before each use inspect the accessory such as diamond wheel for chips and cracks, backing pad for cracks and tear or excess wear. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.** Damaged accessories will normally break apart during this test time.
- **When starting the tool with a new or replacement wheel, hold the tool in a well protected area and let it run for one minute.** If the wheel has an undetected crack or flaw, it should burst in less than one minute. Never start the tool with a person in line with the wheel. This includes the operator.
- **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves**

English

and workshop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.

- **Position the cord clear of the spinning accessory.** If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.
- **Never lay the power tool down until the accessory has come to a complete stop.** The spinning accessory may grab the surface and pull the power tool out of your control.
- **Do not run the power tool while carrying it at your side.** Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
- **Regularly clean the power tool's air vents.** The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
- **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.
- **DO NOT use wire brushes with this surface grinding shroud.**
- **DO NOT use abrasive wheels.**
- **DO NOT grind or cut metal with a diamond cup wheel.** Fragments could loosen and fly apart.
- **ALWAYS use with a dust collector.**

⚠WARNING: When not in use, place grinder on a stable surface where it will not move inadvertently, roll or cause a tripping or falling hazard. Serious personal injury may 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 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.

- **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.

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

⚠WARNING: Before beginning the work, check to determine the hazard classification of the dust produced. Use an industrial dust extractor vacuum of the appropriate, officially approved safety class that is in compliance with your local dust hazard control regulations.

⚠WARNING: Always wear proper personal hearing protection.
Under some conditions and duration of use, noise from this product may contribute to hearing loss.

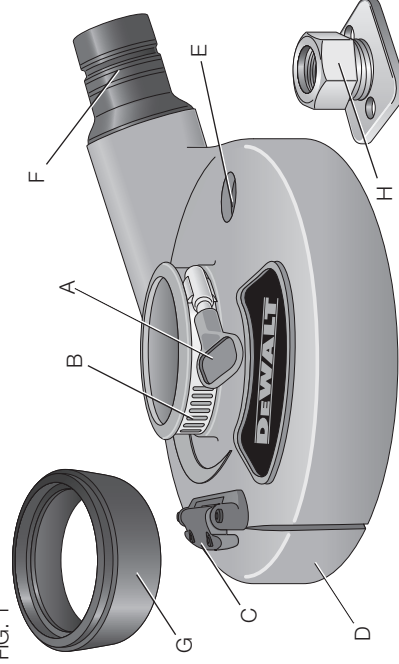
SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

COMPONENTS (FIG. 1)

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

- A. Hose clamp screw
- B. Hose clamp
- C. Edge grinding door hinge
- D. Edge grinding door
- E. Intake vent
- F. Dust port for universal connector
- G. Gear case adaptor
- H. Adaptor for non-hubbed diamond wheels

FIG. 1



INTENDED USE

Your concrete surface grinding shroud has been designed for dust removal of the following: grinding, leveling and polishing concrete surfaces. It can remove dust when removing surface paint, epoxy and glue. Using the appropriate grinder, diamond grinding wheel and dust extractor vacuum it can be used to remove the vast majority of static and airborne dust which without the use of the surface grinding shroud could otherwise contaminate the working environment or pose an increased health risk to the operator and those in close proximity. This concrete surface grinder should ALWAYS be used with a dust extractor vacuum designed for concrete dust removal.

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

The surface grinding shroud is a professional tool. **DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

Recommended power tools to be used with this attachment are available at extra cost from your local dealer or authorized service center. If you need assistance in locating any power tool, please contact DEWALT Industrial Tool Co., 701 East Joppa Road, Baltimore, MD 21286, call 1-800-4-DEWALT (1-800-433-9258) or visit our website www.dewalt.com.

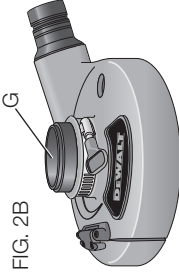
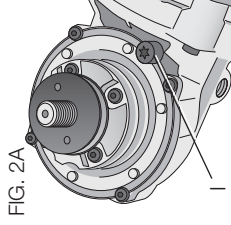
ASSEMBLY (FIG. 1, 2)

⚠WARNING: To reduce the risk of injury, **ALWAYS** turn off the tool and disconnect the tool from the power source before making any adjustments or removing or installing attachments or accessories. This applies to both the grinder and the dust extractor vacuum. Such preventative safety measures reduce the risk of starting the tool accidentally.

Mounting and Removing Surface Grinding Shroud (Fig. 2A-D)

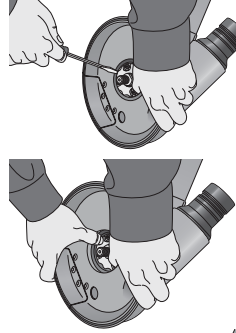
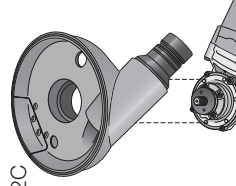
NOTE: The shroud and adaptor (G) have a tight fit onto the grinder. Take extra care when mounting the shroud.

1. Follow the mounting and removing guard instructions in the power tool manual to remove the existing guard from grinder.
2. If present, remove the stop screw (I) from your DEWALT Grinder with a T40 star wrench. If a star wrench is unavailable, use a flat head screwdriver or a pair locking pliers to remove the screw.

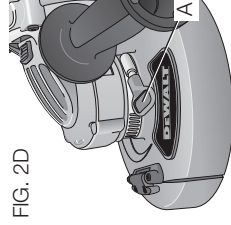


3. With the beveled edge facing upward from the shroud collar, insert the gear case adaptor (G) partially into the collar as seen in figure 2B.

4. Aligning the adaptor and shroud with the gear casing, push the both down onto the gear case with your thumbs. You can also use a large flathead screwdriver to be sure the adaptor is seated correctly. Both the shroud and the adaptor should slide down onto the gear case at the same time.



5. Position shroud to desired orientation, and tighten hose clamp screw (A) securely.

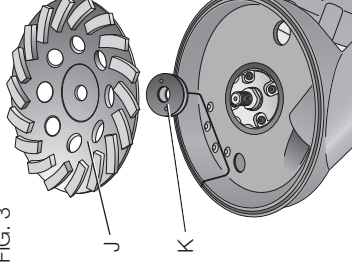


6. To remove the shroud, repeat these steps in reverse.

NOTICE: If surface grinding shroud cannot be tightened by the hose clamp screw, do not use the tool and take the tool and surface grinding shroud to a service center to repair or replace the surface grinding shroud.

Mounting Dry Diamond Surface Cup Wheels (Fig. 3)

Follow the mounting and using cutting wheels instructions in the tool manual and mount the grinding wheel. DO NOT use Type 1 cutting wheels or bonded abrasive wheels.



Dry diamond surface cup (J) wheels are recommended for use with this shroud. The inner soft mount washer (K) should be installed behind the wheel, allowing free tool removal and proper fit and alignment to shroud.

Hose Connection (Fig. 4-6)

WARNING: Use only power tools recommended by DEWALT with this attachment.

For more information about DEWALT power tools compatible with this attachment, please contact your local dealer, call 1-800-4-DEWALT (1-800-433-9258) or visit our website www.dewalt.com.

⚠ WARNING: This attachment **MUST BE** used with a dust extractor system. **ALWAYS** wear certified safety face or dust mask.

NOTE: Ensure hose connection is secure.

NOTE: The amount of dust retained by the dust extractor vacuum is dependent on its filter system. Refer to the dust extractor vacuum instruction manual for more information.

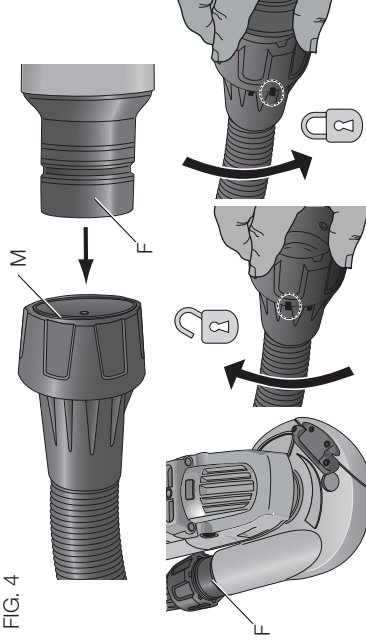
All DEWALT dust collection shrouds are designed to connect and secure easily with the DEWALT universal DWV9000 connector. The DWV9000 connector comes pre-installed on some DEWALT dust extractors. Consult your local dealer for compatible extractors.

CONNECTING THE DWV9000 ONTO THE SHROUD (FIG. 4)

NOTE: If the DWV9000 is not installed on your dust extractor hose refer to **Installing the DWV9000 on a Dust Extraction Hose**.

1. With the DWV9000 connector (M) unlocked, slide it onto the shroud's dust port (F).
2. Lock the DWV9000 connector (M) to secure.

FIG. 4



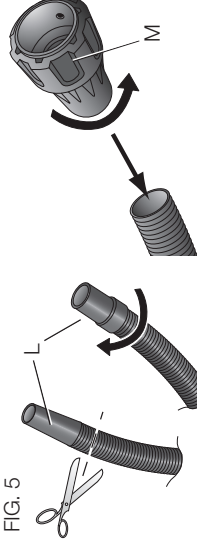
INSTALLING THE DWV9000 ON A DUST EXTRACTION HOSE (FIG. 5, 6)

The DWV9000 is can be attached to a 1-1/4" or 2-1/2" (31.8 mm or 63.5 mm) dust extraction hose. The DWV9000 can be used with a 2-1/2" (31.8 mm) hose with the use of the DWV9190 adaptor.

For 1-1/4" (31.8 mm) hoses:

1. Remove the existing hose connector (L) by twisting clockwise, or if connector is permanently attached, remove by cutting.
2. Install the universal DWV9000 connector (M) onto the hose by turning counterclockwise.

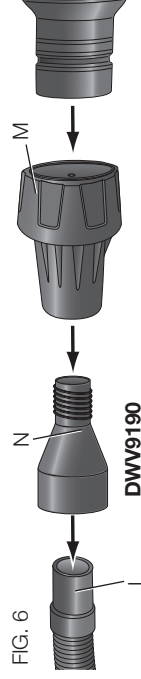
FIG. 5



For 2-1/2" (63.5 mm) hoses:

1. Use a DWV9190 adaptor (N), and slide it onto the existing hose connector (L).
2. Install the universal DWV9000 connector (M) onto the adaptor by turning counterclockwise.

FIG. 6



OPERATION

⚠WARNING: To reduce the risk of injury, **ALWAYS** turn off tool and disconnect the tool from the power source before making any adjustments or removing or installing attachments or accessories. This applies to both the grinder and the dust extractor vacuum. Such preventative safety measures reduce the risk of starting the tool accidentally.

⚠WARNING: For your own safety, read the instruction manual for both the grinding tool and the dust extractor vacuum before using any accessory. Failure to heed these warnings may result in personal injury and serious damage to the tool and the accessory. When servicing this tool, use only identical replacement parts.

NOTE: The amount of dust retained by the dust extractor vacuum is dependent on its filter system. Refer to the dust extractor vacuum instruction manual for more information.

1. Ensure all assembly instructions have been completed.
2. Turn the dust extractor vacuum on as instructed in the dust extractor vacuum instruction manual.
3. Turn the tool on as instructed in the tool instruction manual and allow it to reach full speed before making contact with work surface.
4. Place the surface grinding shroud to flat work surface, such as a floor or wall, and begin grinding.
5. When surface grinding is complete, turn the tool off and disconnect from the power source. Allow the tool to stop rotating before laying it down.

NOTE: The surface grinding shroud and dust extractor vacuum will only be effective when used with a diamond surface cup wheel on a flat surface.

English

Edging Use Application (Fig. 7)

This concrete grinding shroud features a hinged, edge-grinding door to allow flush grinding against the wall.

1. Turn off the tool and disconnect from power source.
2. Open the edge grinding door (D). The door should remain open and rest in a parked position.
3. Connect the tool to the power source.
4. Position hands and body away from wheel and door opening.
5. Place the door edge flush to the work surface before turning the tool on and begin grinding. Remove the tool from the work surface before turning the tool off.
6. When flush grinding is complete, turn off the tool and disconnect from power source.
7. Allow the tool to stop rotating before pushing edge grinding door (D) closed.

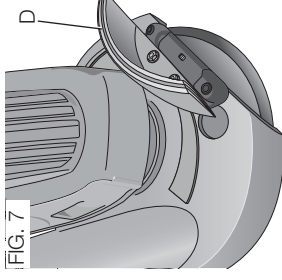


FIG. 7

MAINTENANCE

⚠WARNING: To reduce the risk of injury, **ALWAYS** turn off tool and disconnect the tool from the power source before making any adjustments or removing or installing attachments or accessories. This applies to both the grinder and the dust extractor vacuum. Such preventative safety measures reduce the risk of starting the tool accidentally.

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.

⚠ 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.

Accessories

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

Recommended accessories for use with your tool are available at extra cost from your local dealer or authorized service center. If you need assistance in locating any accessory, please contact DEWALT Industrial Tool Co., 701 East Joppa Road, Baltimore, MD 21286, call 1-800-4-DEWALT (1-800-433-9258) or visit our website: www.dewalt.com.

Repairs

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by a DEWALT factory service center, a DEWALT authorized service center or other qualified service personnel. 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/register.

Three Year Limited Warranty

DEWALT will repair, without charge, any defects due to faulty materials or workmanship for three years from the date of purchase. This warranty does not cover part failure due to normal wear or tool abuse. For further detail of warranty coverage and warranty repair information, visit www.dewalt.com or call 1-800-4-DEWALT (1-800-433-9258). This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.

In addition to the warranty, DEWALT tools are covered by our:

1 YEAR FREE SERVICE

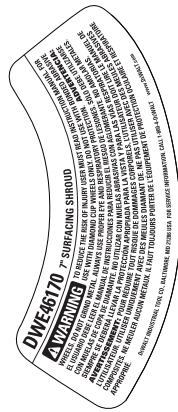
DEWALT will maintain the tool and replace worn parts caused by normal use, for free, any time during the first year after purchase.

90 DAY MONEY BACK GUARANTEE

If you are not completely satisfied with the performance of your DEWALT Power Tool, Laser, or Nailer for any reason, you can return it within 90 days from the date of purchase with a receipt for a full refund – no questions asked.

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.



English