

14" Gas Dust Director

BLADE CAPACITY: 12" & 14"

A *Dust Director*® for Your Stihl Cut-Off Saw



INSTALLATION INSTRUCTIONS · DUSTLESS CUTTING · VACUUM INFORMATION

The 14" Gas Dust Director is shipped as follows (Fig 1):

- 14" Dust Director / Legs Assembly
- Front & Rear Mounting Bracket
- (2) M5 x .8 x 2 hex cap screws (for front bracket)
- (4) 1/4-20 x 1" hex cap screws w/ flat washers (secures the Dust Director to the Mounting Brackets).

To Install the 14" Gas Dust Director to a Stihl Saw, proceed as follows:

INSTALLATION OF REAR MOUNTING BRACKET (Fig 2).

- Remove the bottom two (2) hex screws from the saw's filter cover using a 3/16" allen wrench
- Align the Rear Mounting Bracket into the holes of the filter cover (vertical leg of the Mounting Bracket towards the saw.)
- As you hold the Rear Mounting Bracket in place, insert the (2) previously removed hex screws through the holes of the Rear Mounting Bracket and tighten securely.

Installation of Front Mounting Bracket (Fig 3)

- Remove the saw's two front rubber feet (2)
- With the flat side of the Front Mounting Bracket towards the saw and its tapered edge points towards the rear of the saw, align the bracket's two outside threaded holes with the threaded holes of the rubber feet (2).
- Using the provided M5 hex cap screws (2) tighten the Front Mounting Bracket securely into the saw's housing using a 5/32" or M4 allen wrench.



Fig. 1 — 14" Gas Dust Director Components.



Fig. 2 — Remove filter cover screws (2), install rear mounting bracket, reinstall the cover screws and tighten securely.

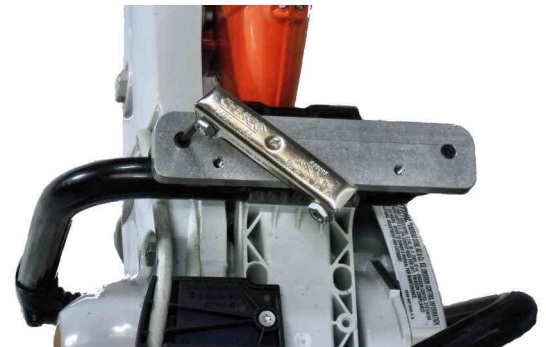


Fig. 3 — Installation of Front Mount Bracket. Remove saw's flat surface of bracket mounts to the saw, tapered edge points towards rear saw, tighten securely using M5 screws (2, included).

Installation of Dust Director / Leg Assembly to the Mounting Brackets (Fig 4)

- Align the oval slots (4) of the Dust Director / Leg Assembly to the threaded holes on the front and rear mounting brackets.
- Using the provided 1/4-20 x 1" hex cap bolts and flat washers (4), use a 3/16" allen wrench to tighten the Dust Director / Leg Assembly to the Mounting Brackets. Slightly adjust or align the Assembly to the center line of the blade. Once positioned, securely tighten the hex cap bolts (4) into the brackets.



Fig. 5 — Adjust the saw's blade guard to the top of the Dust Director.

Final Adjustment — IMPORTANT: Rotate the saw's blade guard to the top of the Dust Director's guard (Fig 5).

14" Gas *DUST DIRECTOR*®

US Patent US 6,648,742 B1

OPERATING, INSTALLATION, SAFETY / WARNING INSTRUCTIONS, WARRANTY



Fig. 4 — Installation of Dust Director onto Mounting Brackets

Please visit the *Dust Director* Web Site for More & Exciting New Products for
Concrete & Masonry Restoration: www.dustdirector.com

Dear Customer: Many thanks for the confidence you have shown in us with the purchase of our 14" GAS DUST DIRECTOR. Many years of working with contractors on their construction sites: understanding their needs, requirements and health concerns went into the design of this product. When used with a Dust Director Vacuum - specific for vacuuming silica dust - the 14" GAS DUST DIRECTOR promotes a cleaner, healthier and more productive construction site.

OPERATING / SAFETY INSTRUCTIONS. Buyer acknowledges receipt of these Operating & Safety / Warning Instructions for Use of the Product and agrees to strictly comply with such instructions. **PRODUCT USE / DESIGN APPLICATION.** Cutting through masonry, concrete and stone material where containment of airborne dust is critical. Product is only for use by a licensed contractor who understands these instructions, as well as being thoroughly trained and experienced in the use and operation of cut-off saws when cutting through the stated materials. Buyer acknowledges receipt of these Operating & Safety / Warning Instructions for Use of the Product and agrees to strictly comply with such instructions. Buyer is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of application.

LIMITED WARRANTY / LIABILITY. Distributed by Industrial Contractors Supplies. **Made In USA.** Seller warrants it has title to the product delivered and may properly sell the same to Buyer and that such Product will conform for use as intended and as described more fully in these attached Operating and Safety Instructions and Warnings for use of the Product. SELLER MAKES NO OTHER WARRANTY OR REPRESENTATION, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT OR ITS MERCHANTABILITY, FITNESS THEREOF FOR ANY PURPOSE, OR ITS NON-INFRINGEMENTS. Seller shall not be liable for special, indirect, consequential or punitive damages of any kind under this Agreement or otherwise, whether or not caused by its negligence, and assumes no risk whatsoever as to the result of the use of Product either singly or in combination with other material. Buyer represents that it is familiar with the characteristics of Product and assumes all responsibility and liability for and will indemnify and hold Seller harmless from any and all loss or injury to persons or property arising out of handling, use or possession of Product delivered to it. IN THE EVENT THAT THIS DISCLAIMER OF LIABILITY IS HELD BY A COURT OF COMPETENT JURISDICTION NOT TO APPLY TO BUYER, SELLER'S MAXIMUM LIABILITY TO BUYER ON ANY CLAIM IN ANY WAY CONNECTED WITH THE SALE OR USE OF ANY OF THE PRODUCTS, WHETHER LIABILITY ARISES IN CONTRACT, FROM BREACH OF WARRANTY, IN TORT OR OTHERWISE, SHALL BE LIMITED TO THE PRODUCT'S INVOICE PRICE.

CLAIMS. Any claims by Buyer must be received by Seller in writing within 20 days of the date of delivery or non-delivery. Failure to deliver notice of claim to Seller within such 20 day period will constitute a waiver Buyer of all claims in respect of such delivery or non-delivery.

IMPORTANT SAFETY NOTES:

1. **FINGERS and HANDS MUST BE KEPT AWAY from BOTH CUTTING "EDGES" of the DIAMOND BLADE**
2. **STAY ALERT, WATCH WHAT YOU ARE DOING, AND USE COMMON SENSE WHEN OPERATING THE 14" GAS DUST DIRECTOR.** A moment of inattention while operating the may result in serious personal injury
3. **DO NOT TOUCH THE "HOUSING" OF THE 14" GAS DUST DIRECTOR** - Do not force the tool when cutting
4. Use the right diamond blade for the application: **INDUSTRIAL CONTRACTORS SUPPLIES** recommends using the following (and included) 14" DUST DIRECTOR BLADE for use with the 14" GAS DUST DIRECTOR (blade P/N: DD1412U). This blade has been designed specifically for use with the 14" GAS GAS DUST DIRECTOR to match the saw's safe RPM speed while providing a fast, smooth cut - through the *hardest* of materials.
5. Please read and understand the information contained in these Operating Instructions.

CAUTION: Before any use, be sure that everyone using the 14" GAS DUST DIRECTOR reads and understands all the Operating and Safety instructions and all other information contained in this manual. **SAVE THESE INSTRUCTIONS AND REVIEW THEM PRIOR TO EACH USE AND INSTRUCTION TO OTHERS.** Do not attempt to install, start or operate the 14" GAS DUST DIRECTOR until all the instructions have been read and understood by the operator. Failure to do so could result in personal injury and/or property damage. No person should attempt to operate the 14" GAS DUST DIRECTOR without first being trained in the operation of industrial cutting tools. These instructions are not intended as a substitute for training and experience. Any user of the 14" GAS DUST DIRECTOR should be thoroughly familiar with safety rules and regulations of portable grinders and diamond blades before use of this tool

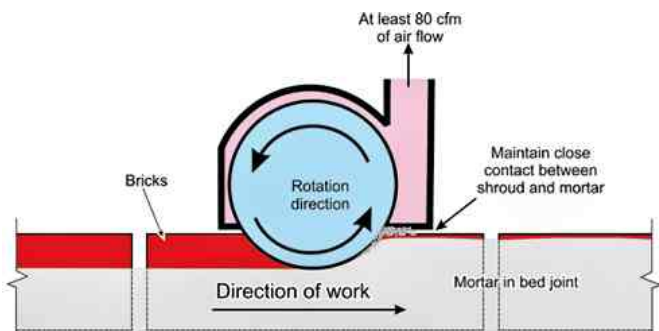
There Is a Risk Assumed by Individuals Who Use the 14" Gas Dust Director. To Minimize Risk You must Follow These Rules:

1. INSPECT EQUIPMENT DAILY. Tighten all loose connections and replace worn parts immediately. Failure to do so may result in serious injury.
2. When using the 14" GAS DUST DIRECTOR, exercise care to avoid injury. Perform your "cutting" at a smooth, moderate pace: never perform jerky or uncoordinated movements that may cause injury.
3. KEEP HANDS, FINGERS AND ALL BODY PARTS AWAY FROM BOTH CUTTING "EDGES". DO NOT TOUCH THE 14" GAS DUST DIRECTOR's "HOUSING" while the BLADE IS MOVING. The spinning blade is extremely dangerous. It is your responsibility to observe all safeguards when using the 14" GAS DUST DIRECTOR. A moment of inattention while operating the 14" GAS DUST DIRECTOR may result in serious personal injury.
4. WORK GLOVES REQUIRED. Hands become "sweaty", work gloves help prevent your hands from accidental slippage into the spinning blade.
5. If unsure of the proper use of the 14" GAS DUST DIRECTOR, call your local *Dust Director* distributor or **Industrial Contractors Supplies**.

The Operator must Observe Safeguards That Include but Are Not Limited to the Following:

1. Under no circumstances may the 14" GAS DUST DIRECTOR be modified from its original design, with out the permission of ICS in writing. Non-authorized modifications can lead to serious injury or death to yourself or others.
2. CAUTION: KEEP YOUR HAND AND FINGERS AWAY FROM THE 14" GAS DUST DIRECTOR's "HOUSING". SERIOUS BODILY INJURY WILL RESULT SHOULD THE EXPOSED BLADE CONTACT / CUT YOU.
3. BEFORE CUTTING, always inspect areas for wires, cords, glass or other foreign objects which could come in contact with the blade.
4. KEEP CHILDREN AWAY. All visitors should be kept at a safe distance from work area.
5. Never use diamond blades that exceed the grinder's maximum blade diameter rating. Never use diamond blades marked less than 6,000 RPM.
6. Never service the 14" GAS DUST DIRECTOR or change blades without first disconnecting the electrical power to the angle grinder.
7. Always inspect the installed blade for damage before use - Make sure the 14" GAS DUST DIRECTOR and its blade are not damaged.
8. Always check to be sure that the guard of the 14" GAS DUST DIRECTOR is fitted securely onto the angle grinder properly before each use.
9. Caution: Diamond Blade segments may break away from the blade itself
10. ALWAYS WEAR SAFETY GLASSES, FULL-FACE SHIELDS, SAFETY SHOES, WORK GLOVES, HEARING PROTECTION.
11. DRESS PROPERLY - Do not wear loose clothing or jewelry. They can be caught in moving parts.
12. Select the proper blade for the material being cut. Be sure that the blade and equipment arrows are facing in the same "direction".
13. Be sure that the diamond blade is correctly mounted and turns without wobbling. Never cut material for which the blade is not designed.

PROPER CUTTING TECHNIQUE — CUTTING WITH THE 14" GAS DUST DIRECTOR



1. Turn the cut-off saw and vacuum "on". On a 45 degree angle, ease the *Dust Director* into the material being cut, simultaneously observe the dust stream coming out of the cut and lower or adjust the *Dust Director* to catch the dust stream.
2. WALK AND CUT BACKWARDS. Once the blade has sunk to the depth-of-cut, walk and cut backwards while observing the dust stream. Always cut into the work surface. This is the only direction acceptable for dustless cutting.

PHYSICS of DUSTLESS CONCRETE CUTTING: Dust streams are created by a circular blade and it follows the direction of the blade's rotation. With a gas cut-off saw, the blade spins towards you. Likewise, as the dust follows the curve of the cut it is directed towards you. If you walk forward to cut "the dust follows the cut" and it will go **BENEATH** the *Dust Director*.

OPTIMUM DUSTLESS CUTTING RESULTS: Achieved by sinking the blade to the desired depth, walk backwards as you cut, observe the dust stream as it exits from the curve of the cut, adjust the *Dust Director* accordingly to catch the dust stream.

USE THE CORRECT DIAMOND BLADE. Dustless cutting is made with (1) pass of the blade. The "right" blade for the material being cut will enable you to completely "sink" the blade into the material. If you find yourself making multiple passes in order to obtain proper depth **you are using the wrong blade!**

If you are experiencing a "bouncing" blade, insufficient blade life, or if you need a 3/8" or 1/2" wide blade, contact ICS for help in selecting the right blade for your application. Beware of blade "kickback". Allow the blade to cut freely, do not force the blade to cut - there is no need to.

14" GAS DUST DIRECTOR NOT WORKING - DUST ESCAPING FROM THE GUARD

This is your signal that either the vacuum's filters are clogged or its tank is full or your vacuum is not equipped to handle the volume of dust that comes off the saw's 14" diamond blade. **LESSON TO NOTE:** The *Dust Director's* sole purpose is to "direct" the dust away from the user. The purpose of the "vacuum" is to keep-up with the "powder" silica dust that the *Dust Director* "directs" into the vacuum.

Unsatisfactory Dustless Cutting is the result of the user either not using the *Dust Director* correctly, the vacuum's filters are clogged with dust, its tank is full or the vacuum does not have the correct "airflow" to handle the volume of dust from the saw's 14" diamond blade.

For the Very Best in *Maintained* Vacuum Cleaner Suction Power, call ICS for a Dust Director Vacuum.