

Installation instructions	2
Instructions d'installation	23
Instrucciones de instalación	44



DOWNDRAFT HOOD HDD80051UC, HDD86051UC
HOTTE À TIRAGE DESCENDANT HDD80051UC, HDD86051UC
CAMPANA DE TIRO DESCENDENTE HDD80051UC, HDD86151UC



TABLE OF CONTENTS

ABOUT THIS MANUAL	3
Be sure to observe all listed warnings and cautions.....	3
IMPORTANT SAFETY INSTRUCTIONS	4-7
General notes	4
Proper installation and maintenance	5
Fire safety	6
Child safety	7
State of California Proposition 65 Warnings	7
Protecting the environment.....	7
BEFORE YOU BEGIN	8
Installation review	8
Tools needed	8
Parts supplied	8
PLAN THE INSTALLATION	9
Select ducting option	9
Ductwork preparation	9
Plan cabinetry	9
DUCT EQUIVALENT CHART	10
SYSTEM DIMENSIONS	11
ACCESSORIES	12
INSTALLATION	13-21
Take measurements	13
Cut countertop opening	13
Installation with electric and induction cooktops.....	13
Installation with gas cooktops.....	14
Prepare downdraft housing	14
Optional: Electrical panel can be mounted in a remote location	15
A - Installation using flexible blower attached to downdraft	15
B - Installation using flexible or remote blower - mounted in a remote location - ducting through front panel opening	16
C - Installation using inline or remote blower - ducting through left, right, below or rear	16
Insert upper support brackets and attach support legs	16
Cut out ductwork opening in cabinet	17
Mounting downdraft with recirculation kit (HDDREC5UC)	17
Mount downdraft in cabinet	17-18
Gas cooktops only: Install gas cooktop seal kit (HDD0RSP, HDD6RSP)	18-19
Install roof cap, wall cap, or remote blower	19
Connect ductwork	19
Install the electrical panel	19
Plan house wiring	19
Install electrical wiring	20
Plug electrical panel	21
Connect downdraft to power	21
Install cooking appliance	21
Attach endcaps to downdraft	21
BOSCH® SUPPORT	22
Before calling service	22
Data label	22
Service	22
Parts and accessories	22

Additional information on products, accessories, replacement parts and services can be found at **www.bosch-home.com** and in the online shop **www.bosch-home.com/us/store**

ABOUT THIS MANUAL

Be sure to observe all listed warnings and cautions.

Look for the triangles with exclamation marks inside.

⚠ WARNING

This indicates that death or serious injuries may occur as a result of non-observance of this warning.

⚠ CAUTION

This indicates that minor or moderate injuries may occur as a result of non-observance of this warning.

NOTICE: This indicates that damage to the appliance or property may occur as a result of non-compliance with this advisory.

NOTE: This alerts you to important information and/or tips.

Pay special attention to the important safety instructions in the “Safety” section.

⚠ IMPORTANT SAFETY INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS

General notes

Examine the appliance after unpacking it. In the event of transport damage, do not plug it in.

NOTE: Do not remove any of the aluminum tape as it is needed for sealing air leaks.

WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally.
- When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

WARNING

WARNING – TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
- When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- Ducted fans must always be vented to the outdoors.

INSTALLER: LEAVE THESE INSTRUCTIONS WITH THE APPLIANCE AFTER INSTALLATION IS COMPLETE.

OWNER: SAVE FOR THE LOCAL INSPECTOR'S USE.

WARNING

When properly cared for, your new appliance has been designed to be safe and reliable. Read all instructions carefully before use. These precautions will reduce the risk of burns, electric shock, fire, and injury to persons. When using kitchen appliances, basic safety precautions must be followed, including those in the following pages.

⚠ IMPORTANT SAFETY INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS

Proper installation and maintenance

WARNING

Remove all tape and packaging before using the appliance. Destroy the packaging after unpacking the appliance. Never allow children to play with packaging material.

INSTALLER: Show the owner the location of the circuit breaker or fuse. Mark it for easy reference.

This appliance must be properly installed and grounded by a qualified technician. Connect only to properly grounded outlet. Refer to Installation Instructions for details.

This appliance is intended for normal family household use only. It is not approved for outdoor use. See the Statement of Limited Product Warranty in the Use and Care Guide. If you have any questions, contact the manufacturer.

Do not store or use corrosive chemicals, vapors, flammables or nonfood products in or near this appliance. It is specifically designed for use when heating or cooking food. The use of corrosive chemicals in heating or cleaning will damage the appliance and could result in injury.

Do not operate this appliance if it is not working properly, or if it has been damaged. Contact an authorized servicer.

Do not repair or replace any part of the appliance unless specifically recommended in this manual. Refer all servicing to a factory authorized service center.

WARNING

Make sure the appliance and lights are cool and power to the appliance has been turned off before replacing the LED (if equipped). Failure to do so could result in electrical shock or burns.

WARNING

Do not use this unit in conjunction with a recirculation unit in gas cooking application.

CAUTION

Grease left on filters can melt and move into the vent and catch fire.

WARNING

Hidden surfaces may have sharp edges. Use caution when reaching behind or under appliance.

WARNING

Unit is heavy and requires at least two people or proper equipment to move and install.

WARNING

Tie long hair so that it does not hang loose, and do not wear loose fitting clothing or hanging garments, such as ties, scarves, jewelry, or dangling sleeves.

WARNING

When the hood is operated in exhaust-air mode simultaneously with a different appliance which also makes use of the same chimney (such as gas, oil or coal-fired heaters, continuous-flow heaters, hot-water boilers) care must be taken to ensure that there is an adequate supply of fresh air which will be needed by the appliance for combustion.

This can be achieved if combustion air can flow through non-lockable openings, e.g. in doors, windows and via the air-intake/exhaust-air wall box or by other technical measures, such as reciprocal interlocking, etc.

WARNING

Avoid carbon monoxide poisoning – Provide adequate air intake so combustion gases are not drawn back into the room. An air-intake/exhaust-air wall box by itself is no guarantee that the limiting value will not be exceeded.

NOTE: When assessing the overall requirement, the combined ventilation system for the entire household must be taken into consideration. This rule does not apply to the use of cooking appliances, such as cooktops and ovens.

WARNING

To avoid electrical shock hazard, before installing, switch power off at the service panel and lock the panel to prevent the power from being switched on accidentally.

⚠ IMPORTANT SAFETY INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS

Fire safety

WARNING

Use this appliance only for its intended use as described in this manual.

Always have a working smoke detector near the kitchen. In the event that personal clothing or hair catches fire, drop and roll immediately to extinguish flames.

Have an appropriate fire extinguisher available, nearby, highly visible and easily accessible near the appliance.

Smother flames from food fires other than grease fires with baking soda. Never use water on cooking fires.

WARNING

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING:^a

- a. SMOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.
- b. NEVER PICK UP A FLAMING PAN – You may be burned.
- c. DO NOT USE WATER, including wet dishcloths or towels – a violent steam explosion will result.
- d. Use an extinguisher ONLY if:
 - You know you have a Class ABC extinguisher, and you already know how to operate it.
 - The fire is small and contained in the area where it started.
 - The fire department is being called.
 - You can fight the fire with your back to an exit.

^a Based on “Kitchen Fire Safety Tips” published by NFPA.

Whenever possible, do not operate the ventilation system during a cooktop fire. However, do not reach through fire to turn it off.

Seal the connection points of the ducts appropriately.
• Ductwork must vent outside, not into attic spaces for example, unless the available 'Non-duct Recirculation Kit' is used.

WARNING

RISK OF FIRE

When gas burners are in operation without any cookware placed on them, they can build up a lot of heat. A ventilation appliance installed above the cooker may become damaged or catch fire. Only operate the gas burners with cookware on them.

WARNING

RISK OF FIRE

Hot oil and fat catch fire fast. Never leave hot oil and fat unsupervised. Never extinguish a fire with water. Switch off the cooking position. Suffocate flames carefully with a lid, a fire blanket or similar.

WARNING

RISK OF FIRE

Grease deposits in the grease filters can ignite. Clean the grease filters at least every two months or as frequently as necessary. Never operate the appliance without the grease filters.

WARNING

RISK OF FIRE

Grease deposits in the grease filters can catch fire. Never work with a naked flame near the appliance (e.g. flambéing). Install the unit near a heat-producing appliance for solid fuels (e.g. wood or coal) only if there is a closed, non-detachable cover. There must be no flying sparks.

WARNING

RISK OF FIRE

Use only metal ductwork.

WARNING

RISK OF BURNS

The accessible parts get hot during operation. Never touch hot parts. Keep children away.

CAUTION

It is recommended to wear gloves and long sleeves to protect hands and forearms from abrasion and potential scratches during the installation process.

IMPORTANT SAFETY INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS

Child safety

When children become old enough to use the appliance, it is the responsibility of the parents or legal guardians to ensure that they are instructed in safe practices by qualified persons.

Do not allow anyone to climb, stand, lean, sit, or hang on any part of an appliance. This can damage the appliance or cause injury.

WARNING

Be sure the entire appliance (including the grease filters and light bulbs, if applicable) has cooled and grease has solidified before attempting to clean any part of the appliance.

Do not use steam cleaners to clean the appliance.

State of California Proposition 65 Warnings

WARNING

This product may contain a chemical known to the State of California, which can cause cancer or reproductive harm. Therefore, the packaging of your product may bear the following label as required by California:

STATE OF CALIFORNIA PROPOSITION 65 WARNING:



WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Protecting the environment

Unpack the appliance and dispose of the packaging in line with environmental requirements.

NOTICE

Risk of damage due to corrosion. Always turn appliance on when cooking to avoid condensation buildup. Condensation can lead to corrosion damage.

Risk of damage due to moisture entering into the electronic circuitry. Never clean operator controls with a wet cloth.

Surface damage due to incorrect cleaning. Clean stainless steel surfaces in the grain direction only. Do not use any stainless steel cleaners on operator controls. Never use strong or abrasive cleaning agents, since they can cause surface damage.

Risk of damage from condensation back flow. Install exhaust vent at a slight downward slope away from the appliance (1° slope).

BEFORE YOU BEGIN

Installation review

This downdraft system can be used to exhaust cooking by-products such as heat, steam, and smoke that may be created while cooking using gas or electric cooktops. With its versatile design, there are six (6) basic discharge options - left, right, rear, front, down and recirculation. It is important to first plan your installation. The purchase of additional accessories to complete the installation may be necessary.

It can be mounted in an island, peninsula, or conventional wall location. The blower (purchase separately) and electrical panel can be mounted to the downdraft unit, inside the cabinet, or in a convenient remote location.

This unit can be easily installed following these basic steps:

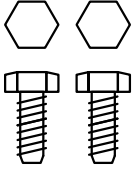
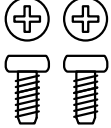
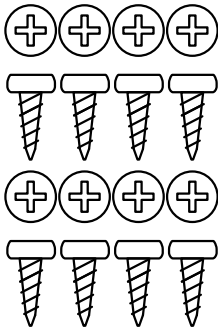
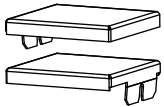
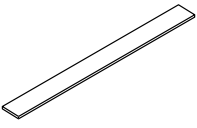
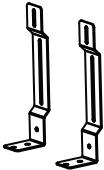
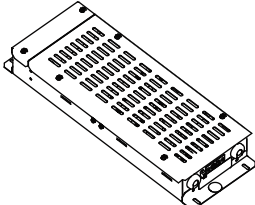
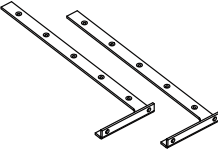
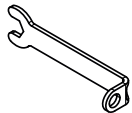


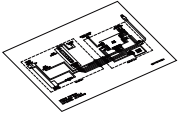
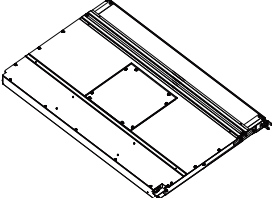
- Plan the installation.
- Cut out the countertop opening.
- Prepare the downdraft housing.
- Cut out the cabinet opening for discharge.
- Mount the downdraft in the cabinet.
- Install gas cooktop seal kit accessory, if applicable.
- Connect the ductwork and install the blower.
- Install downdraft electrical panel, if in remote location.
- Install the cooking appliance.
- Install end caps to downdraft.
- Check the operation.

NOTE: The high level of air flow of this appliance may effect the gas flame on some types of gas cooktops. This is NORMAL and will cause no harm, but can be corrected by lowering the speed of the blower.

Tools needed

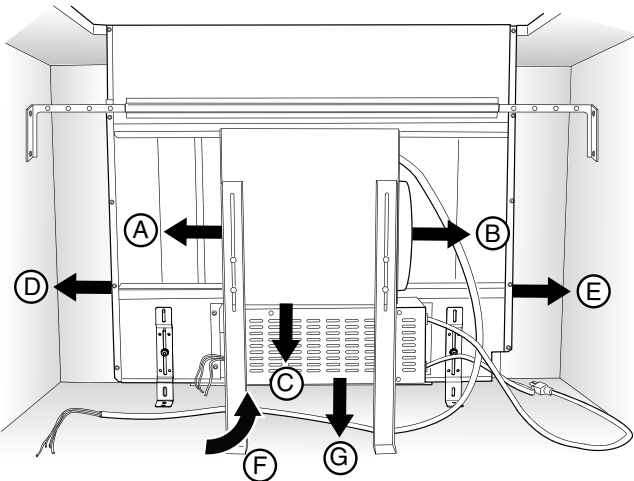
- Measuring tape
- Pencil
- Phillips screwdriver no. 2
- Nut drivers - 11/32" (8.7 mm), 3/8" (9.5 mm), 7/16" (11.1 mm)
- Box-end wrench
- Spirit-level
- Aluminum tape (DO NOT use insulating tape)
- Saw
- Tin snips
- Work gloves

Parts supplied

1 Parts Bag containing:		
 2 - Screws, 1/4-20 x .50 (12.7 mm) Hex Head	 2 - Screws, no. 8-18 x .375 (9.5 mm) Phillips	 8 - Wood Screws, no. 10 x .50 (12.7 mm) Phillips Round Head
 2 - End Cap Trim	 1 - Plastic installation template (see page 13)	 2 - Support Legs
 1 - Electrical Panel		 2 - Upper Support Brackets
 1 - Special key	 Installation instructions	 Use and Care guide
 Wiring diagram		 Downdraft Ventilator Housing

PLAN THE INSTALLATION

Select ducting option



The 6 basic discharge connections, left, right, rear, front, down and recirculation can be achieved through A to G with the optional parts listed.

1. The downdraft blower system is designed for use with 8" (203 mm) round ductwork using a flexible blower or 6" (152 mm) round ductwork using an inline or remote blower. (Purchase blowers separately.): Seven (7) different discharge connections are available - A to G, below:

A = 8" (203 mm) Round, Left Discharge out of Flex Blower

B = 8" (203 mm) Round, Right Discharge out of Flex Blower

C = 8" (203 mm) Round, Down Discharge out of Flex Blower (Electrical Panel to be mounted remotely)

D = 1-7/8" x 19" (48 mm x 483 mm), Left Discharge out of Housing to Remote Blower or Flex Blower in remote location. Use 1-7/8" x 19" (48 mm x 483 mm) to 6" (152 mm) or 8" (203 mm) round transition or 1-7/8" x 19" (48 mm x 483 mm) ductwork as appropriate.

E = 1-7/8" x 19" (48 mm x 483 mm), Right Discharge out of Housing to Remote Blower or Flex Blower in remote location. Use 1-7/8" x 19" (48 mm x 483 mm) to 6" (152 mm) or 8" (203 mm) round transition or 1-7/8" x 19" (48 mm x 483 mm) ductwork as appropriate.

F = 1-7/8" x 19" (48 mm x 483 mm), Rear Discharge out of Housing to Remote Blower or Flex Blower in remote location. Use 1-7/8" x 19" (48 mm x 483 mm) to 6" (152 mm) or 8" (203 mm) round transition or 1-7/8" x 19" (48 mm x 483 mm) ductwork as appropriate.

G = 1-7/8" x 19" (48 mm x 483 mm), Down Discharge out of Housing to Remote Blower or Flex Blower in remote location. Use 1-7/8" x 19" (48 mm x 483 mm) to 6" (152 mm) or 8" (203 mm) round transition or 1-7/8" x 19" (48 mm x 483 mm) ductwork as appropriate.

2. For best performance: Choose the ducting option which allows the shortest length of ductwork and a minimum number of elbows and transitions. Check location of floor joists, wall studs, electrical wiring or plumbing for possible interference.

NOTE: The manufacturer is not responsible for performance complaints attributable to the duct section.

- The device achieves its optimum performance by means of a short, straight exhaust air duct and as large a pipe diameter as possible.
- The optimum extraction performance is not achieved and fan noise is increased if exhaust air ducts are long and rough and if there is a large number of duct bends or diameters less than 6".
- The pipes or hoses for laying the exhaust air line must consist of non-combustible material.
- Seal the connection points of the ducts appropriately.
- Ductwork must vent outside, not into attic spaces for example, unless the available 'Non-duct Recirculation Kit' is used.

Ductwork preparation

DUCTING RECOMMENDATIONS

Proper performance is dependent upon proper ducting.

MAKE-UP AIR: Local building codes may require the use of make-up air systems when using ducted ventilation systems greater than specified CFM of air movement. The specified CFM varies from locale to locale. It is the responsibility of the owner and the installer to determine if additional requirements and/or standards apply to specific installations.

DO NOT USE FLEXIBLE DUCT; it creates back pressure/air turbulence and reduces performance.

Always install a metal vent cover where the ductwork exits the house.

COLD WEATHER installations should have an additional backdraft damper installed to minimize backward cold air flow and a nonmetallic thermal break to minimize conduction of outside temperatures as part of the ductwork.

The damper should be on the cold air side of the thermal break. The break should be as close as possible to where the ducting enters the heated portion of the house.

For safety reasons, ducting should vent directly outdoors (not into an attic, underneath the house, into the garage or into any enclosed space). In gas cooking application, the unit cannot be used in conjunction with a recirculation unit.

BOSCH® recommends not exceeding 50 ft. (15 m) of equivalent duct.

Plan cabinetry

For left, right, or rear exhaust:

Allow at least 18" (457 mm) for transition and elbow or blower.

For left / right exhaust:

A 30" (762 mm) deep cabinet is recommended to align properly with flex blower. Flex blower can be mounted to rear cabinet wall or to a platform / frame (not provided) on the base of the cabinet floor. (See flex blower instructions.)











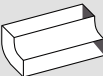

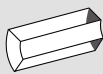



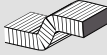


Cabinet depths of 24" (610 mm) to 30" (762 mm) are required - depending on the type of cooking appliance.

For some applications, gas or electrical connections will need to be moved or routed around downdraft unit.

For gas cooktop installations make sure that a minimum 27 square inch (174 cm²) opening is provided in the toe-kick and cabinet base. Inadequate ventilation of the cabinet below the cooktop may result in flame outage when operating the fan on higher speeds.

NOTE: A cooktop sealing kit must be purchased for gas applications. The kit includes hole covers for the toe-kick and cabinet base, as well as a trim seal for the cooktop.

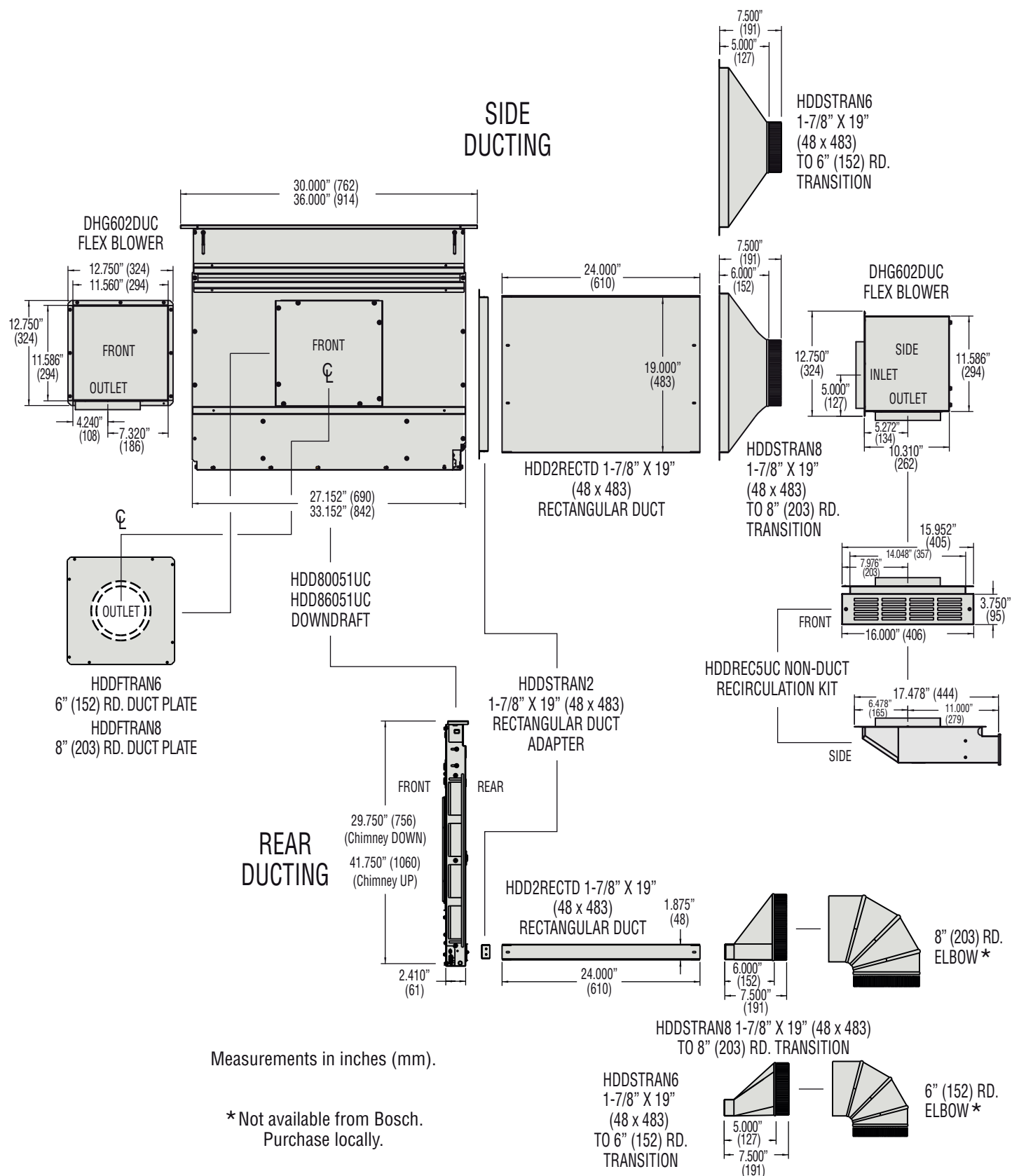
DUCT EQUIVALENT CHART

Duct Piece	Size (in./mm)	Equivalent Length (ft/m)	Duct Piece	Size (in./mm)	Equivalent Length (ft/m)
 Smooth, straight	6 (152)	1.2 (0.37)	 3 1/4" x 10" (83 mm x 254 mm) to round 90° Elbow	6 (152)	10 (3)
	8 (203)	0.7 (0.21)			
	10 (254)	0.6 (0.18)			
 3 1/4" x 10" (83 mm x 254 mm) straight	N/A	1 (0.3)	 3 1/4" x 10" (83 mm x 254 mm) Center reverse elbow , left	N/A	15 (4.6)
 3 1/4" x 14" (83 mm x 356 mm) straight	N/A	0.7 (0.21)	 3 1/4" x 10" (83 mm x 254 mm), Center reverse elbow , right	N/A	25 (7.6)
 90° Elbow , round	6 (152)	12 (3.7)	 3 1/4" x 10" (83 mm x 254 mm), Left reverse elbow	N/A	15 (4.6)
	8 (203)	6 (1.8)			
	10 (254)	5 (1.5)			
 45° Elbow , round	6 (152)	5 (1.5)	 3 1/4" x 10" (83 mm x 254 mm), Right reverse elbow	N/A	25 (7.6)
	8 (203)	3 (0.9)			
	10 (254)	2 (0.6)			
 3 1/4" x 10" (83 mm x 254 mm), 90° Elbow , round	N/A	5 (1.5)	 Round wall cap	6 (152)	2 (0.6)
 3 1/4" x 10" (83 mm x 254 mm), 45° Elbow , round	N/A	15 (4.6)		8 (203)	2 (0.6)
				10 (254)	2 (0.6)
 3 1/4" x 10" (83 mm x 254 mm), Flat elbow	N/A	20 (6.1)	 Round roof cap	6 (152)	2 (0.6)
				8 (203)	2 (0.6)
 3 1/4" x 10" (83 mm x 254 mm) to round	6 (152)	5 (1.5)	 2" (51 mm) long, 3 1/4" x 10" (83 mm x 254 mm) flex	N/A	20 (6.1)
	8 (203)	2 (0.6)			
 Round to 3 1/4" x 10" (83 mm x 254 mm) 90° Elbow	6 (152)	10 (3)	 3 1/4" x 10" (83 mm x 254 mm), Roof jack and shutter	N/A	2 (0.6)

NOTE: These commonly used installation parts can be purchased at a local hardware store.

Measurements in inches (mm).

SYSTEM DIMENSIONS



ACCESSORIES (purchase separately)

Flexible Blower

Bosch DHG602DUC

Inline and Remote Blowers

Bosch Models DHG6023RUC, DHG6015NUC

MODEL	DESCRIPTION
<p>HDDREC5UC HDDFILTUC (replacement filter)</p>	Non-Duct Recirculating Kit Used in applications where ducting is not feasible or available. Mount to toe kick or base of a cabinet and attach directly to DHG602DUC Flexible Blower using 8" (203 mm) round duct. Kit can be rotated so that the exhaust is not directly at your feet. Includes decorative cover plate.
<p>HDDFTRAN6</p>	Rough-in Plate - 6" (152 mm) Round Use for applications where 6" (152 mm) round duct or elbow attaches to front of airbox (inline or remote blower installation).
<p>HDDFTRAN8</p>	Rough-in Plate - 8" (203 mm) Round Use for applications where 8" (203 mm) round duct or elbow attaches to front of airbox (DHG602DUC inline blower installation).
<p>HDD0RSP HDD6RSP</p>	Gas Cooktop Seal Kit - 30-in. (762 mm), 36-in. (914 mm) Used to provide seal between gas cooktop and downdraft. Also includes cabinet hole cover plates. Two grilles are provided in the kit, you may only need one for your specific installation.
<p>HDD2RECTD</p>	Rectangular Duct - 2-ft. (0.6 m) sections (1-7/8" x 19"/48 mm x 483 mm) Galvanized steel construction 2-ft. (0.6 m) sections can be connected together.
<p>HDDSTRAN2</p>	Rectangular Adapter for 1-7/8" x 19" (48 mm x 483 mm) Use to connect 1-7/8" x 19" (48 mm x 483 mm) rectangular duct directly to downdraft when using side, below or rear exhaust.

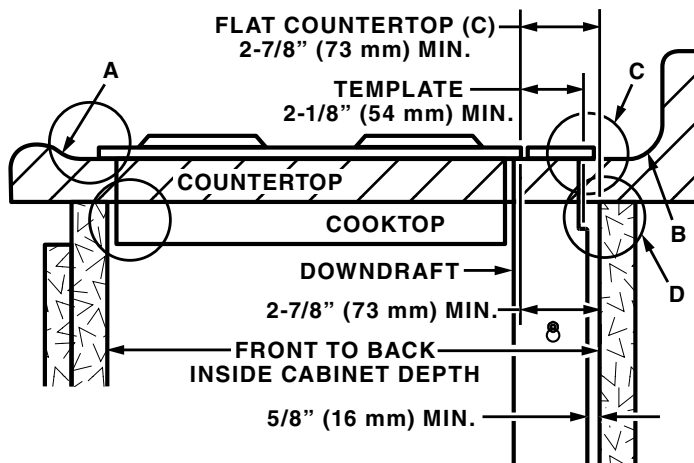
MODEL	DESCRIPTION
<p>HDDSTRAN6</p>	1-7/8" X 19" (48 mm x 483 mm) to 6" (152 mm) Round Transition Rectangular to 6" (152 mm) round transition for left, right, below, or rear exhaust - using Model DHG602DUC Flex Blower. Can be attached to downdraft unit or rectangular duct (HDD2RECTD).
<p>HDDSTRAN8</p>	1-7/8" X 19" (48 mm x 483 mm) to 8" (203 mm) Round Transition Rectangular to 8" (203 mm) round transition for left, right, below, or rear exhaust - using Inline or Remote Blower. Can be attached to downdraft unit or rectangular duct (HDD2RECTD).
<p>EXTNCB25W</p>	Extension Cable - 25-ft. (7.62 m) The remote or inline blower harness should be routed through the knockout and secured with a 3/4" (19 mm) strain relief. The 25-ft. Extension Cable can then be connected to the Adapter Cable included in EXTNSET4 Accessory Kit and then to the hood electrical panel. ① Connects to Hood ② Connects to Remote or In-line Blower
EXTNSET4	Extension Cable Connection Kit Cable connection kit containing (4) accessory cable adapters to connect a variety of blower and hood combinations.

INSTALLATION

Take measurements

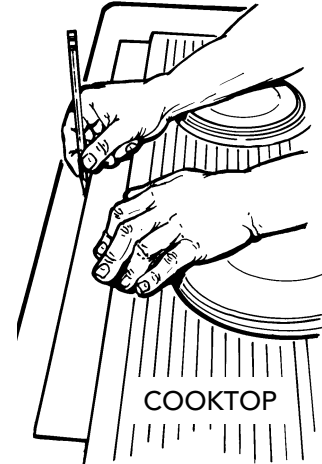
1. Refer to the cooktop installation instructions for dimensions of cooktop, countertop cut-out, and cabinet requirements. However, it is recommended that oversized cabinets be used for easier installation. Custom island designs need to account for deeper cabinets, especially when mounting the blower behind the downdraft. You must also plan for an access door.

Pay special attention to the areas of potential interference highlighted below. A countertop with (A) a raised lip and/or (B) a backsplash may not allow enough flat countertop for a proper installation. Note that a minimum of 2-7/8" (73 mm) of flat countertop is required behind cooktop (C) and that a minimum of 2-7/8" (73 mm) is necessary between the back edge of the cooktop and the inside of cabinet back (D).



Cut countertop opening

1. Lay out and cut the cooktop cut-out far enough FORWARD so downdraft will fit behind it.
2. Set cooktop in place and slide it as far forward as possible without exposing any gaps. Center and square it with edges of countertop.



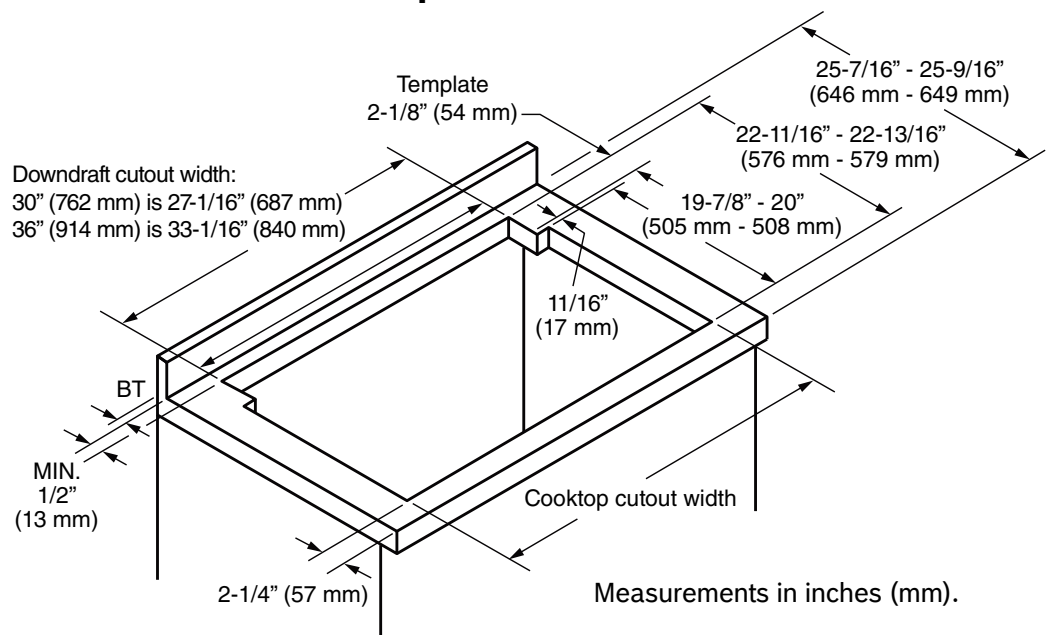
Template against back edge of cooktop.

3. Place the plastic template against the back flange of the cooktop. Center the template. Trace around template to mark the downdraft opening.
4. Remove cooktop from countertop.
5. Cut downdraft opening. Be careful not to chip edges of countertop.

Installation with electric and induction cooktops

Dimension "BT" is thickness of the backsplash that provides 1/2" (13 mm) clearance between the vent and the backsplash. Any backsplash with a curved radius where it meets the counter will require additional clearance. Thicker backsplashes may be used by increasing the counter and cabinet depths.

Set the cooktop into the countertop opening so that the back edge of the cooktop overlaps the leading edge of the downdraft.



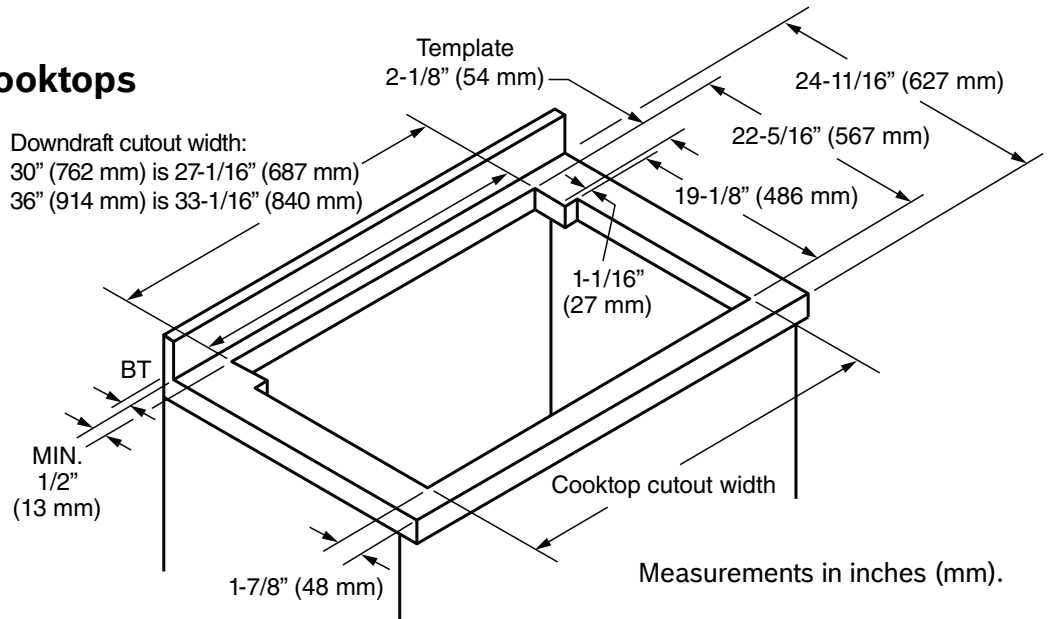
INSTALLATION

Installation with gas cooktops

Dimension “BT” is thickness of the backsplash that provides 1/2” (13 mm) clearance between the vent and the backsplash. Any backsplash with a curved radius where it meets the counter will require additional clearance. Thicker backsplashes may be used by increasing the counter and cabinet depths.

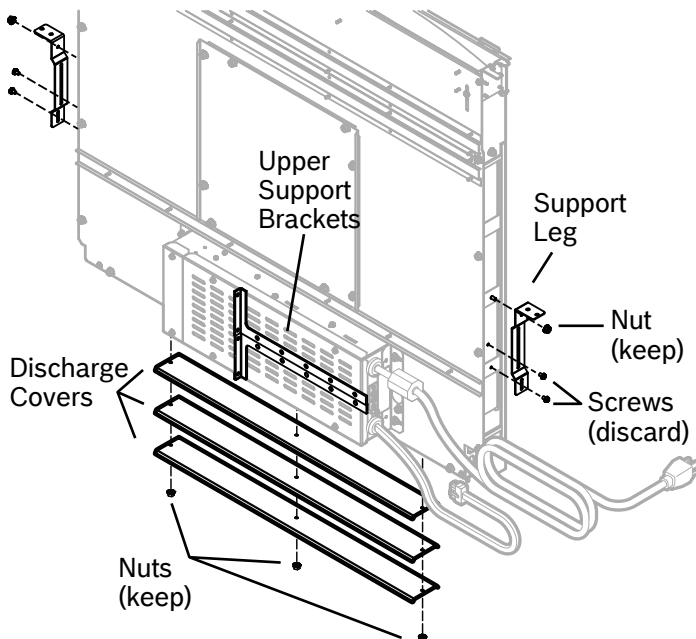
Set the cooktop into the countertop opening so that the back edge of the cooktop overlaps the leading edge of the downdraft.

Downdraft cutout width:
30” (762 mm) is 27-1/16” (687 mm)
36” (914 mm) is 33-1/16” (840 mm)



Prepare downdraft housing

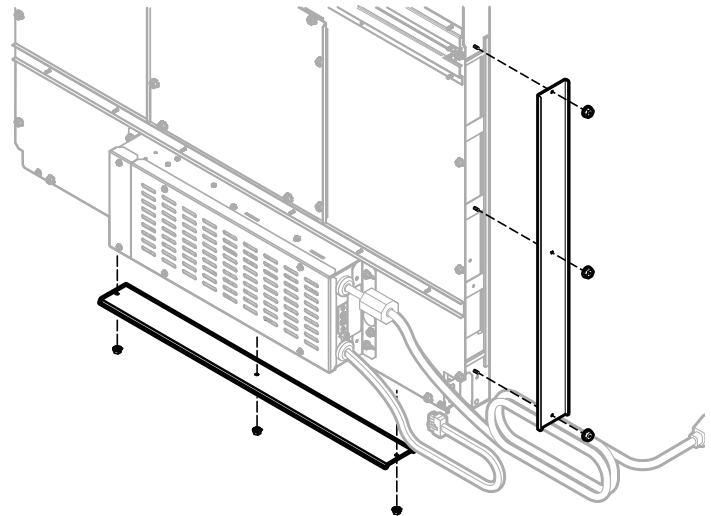
1. Place the downdraft on its back on a table or flat work surface.



2. Detach the upper support brackets from the downdraft by cutting off the tie wraps. Remove and set aside both support legs from sides of the downdraft (one leg per side).

NOTE: Discard the retaining screws, but KEEP THE NUTS.

Remove the bundle of 3 discharge covers from the bottom of the downdraft.



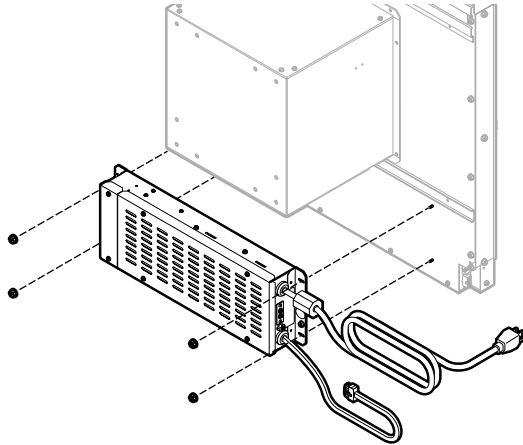
3. Cover the discharge openings that won't be used for ducting.

NOTE: Use the nuts previously removed for side discharge covers.

INSTALLATION

Optional: Electrical panel can be mounted in a remote location.

Example: There is a drawer at the bottom of the cabinet, in front of the downdraft. This may require the electrical panel to be mounted in an adjacent cabinet. If blower discharge is down, electrical panel must be relocated.



1. Remove (4) #8-32 hex nuts and electrical panel. Do not mount with electrical panel slots facing downward.
2. Installation of a remotely located electrical panel may be completed after connecting the ductwork and install the blower. Install electrical panel according to local codes.

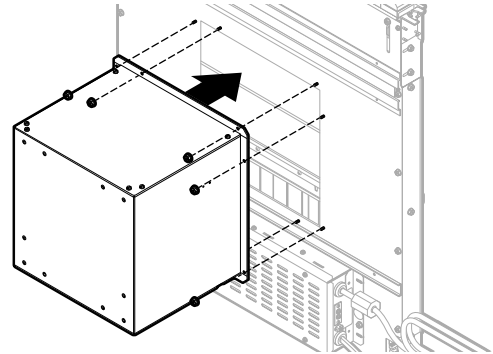
Based on blower and ducting option selected, go to the relevant section:

A - Installation using flexible blower attached to downdraft

B - Installation using flexible or remote blower - mounted in a remote location - ducting through front panel opening

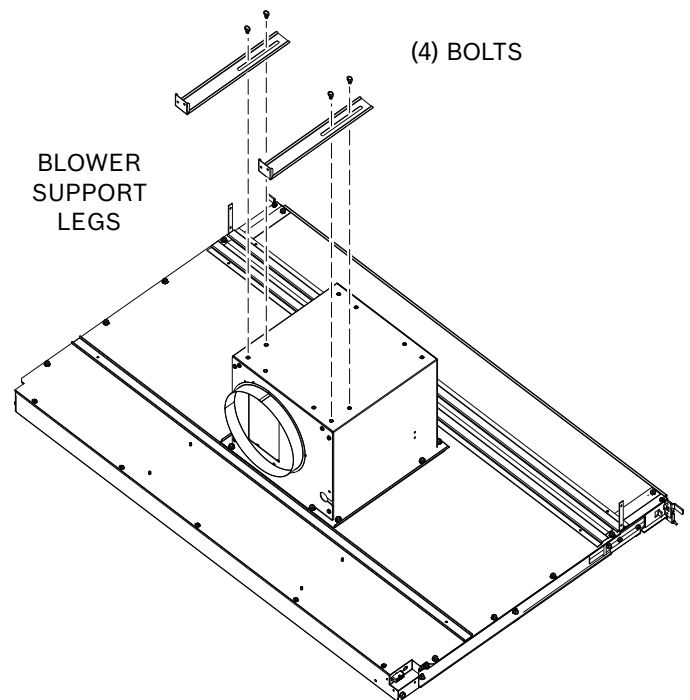
C - Installation using inline or remote blower - ducting through left, right, below or rear

A - Installation using flexible blower attached to downdraft



(Purchase Model DHG602DUC Flexible Blower separately.)

1. Remove hex nuts to remove front panel cover.
2. Determine whether flex blower will discharge to the left, right, or down.
3. If blower discharge is down, remove (4) #8-32 hex nuts and electrical panel.
4. Place blower over studs around front panel opening.
5. Tighten hex nuts to secure blower in place.



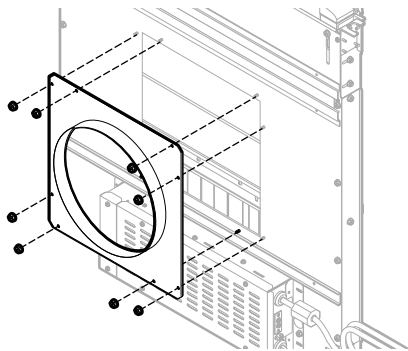
6. Remove bolts from flex blower housing. Attach blower support legs to flex blower housing with these (4) bolts. Do not tighten bolts at this time.

INSTALLATION

B - Installation using flexible or remote blower - mounted in a remote location - ducting through front panel opening

⚠ CAUTION

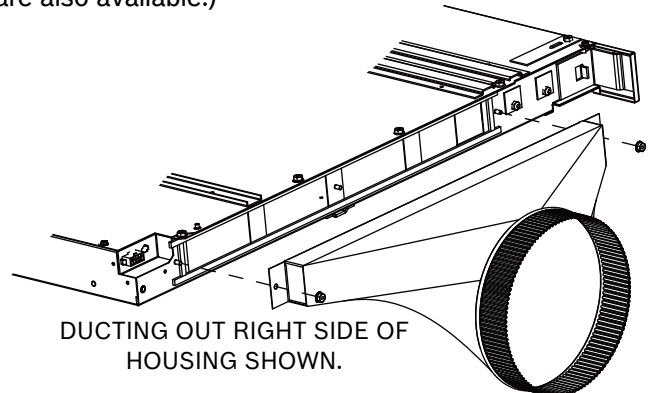
If flexible blower is mounted as an inline blower: Do not use legs alone for support. It may be necessary to add extra support for the flexible blower.



1. Remove hex nuts to remove front panel cover.
2. If blower discharge is down, remove (4) no. 8-32 hex nuts and electrical panel.
3. Place 6" or 8" (152 mm or 203 mm) round rough-in plate (purchase separately) over studs around front panel opening.
4. Tighten hex nuts to secure remote discharge plate in place.

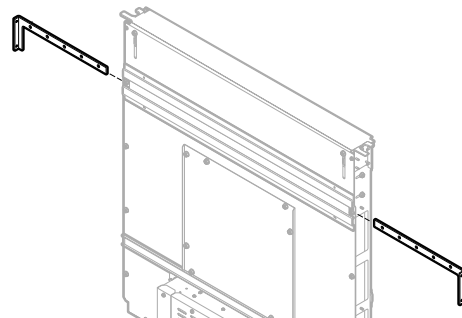
C - Installation using inline or remote blower - ducting through left, right, below or rear

(Requires purchase of 1-7/8" x 19" (48 mm x 483 mm) to 6" or 8" (152 mm or 203 mm) round transition. 1-7/8" x 19" (48 mm x 483 mm) rectangular duct and connection adapters are also available.)

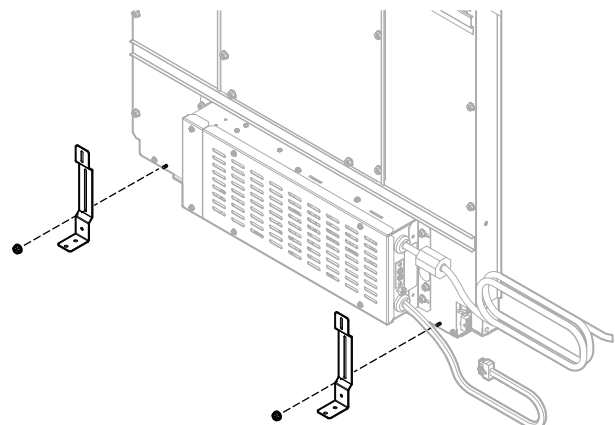


1. Use nuts to connect 1-7/8" x 19" (48 mm x 483 mm) rectangular ductwork connection adapter or 1-7/8" x 19" (48 mm x 483 mm) to 6" or 8" (152 mm or 203 mm) round transition to housing when installing ductwork.

Insert upper support brackets and attach support legs



1. Slide upper support brackets into slide channel at top left and right of unit.

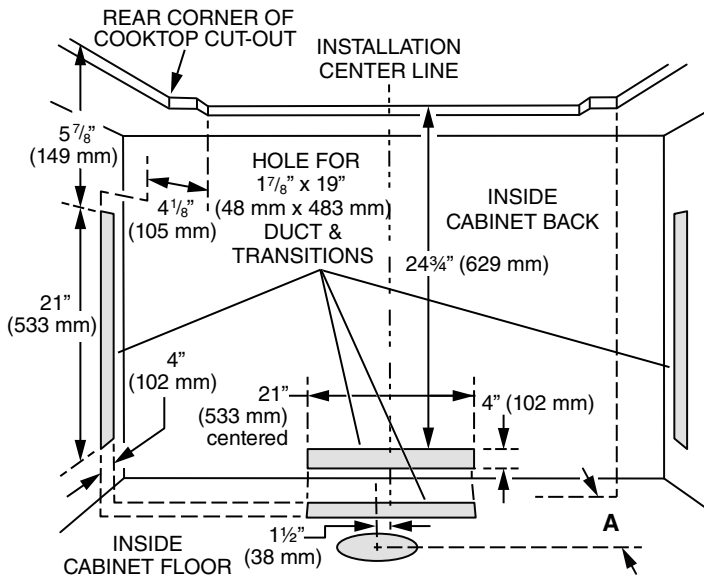


2. Attach previously removed support legs to downdraft using one nut for each leg. Do not tighten nut completely at this time.

INSTALLATION

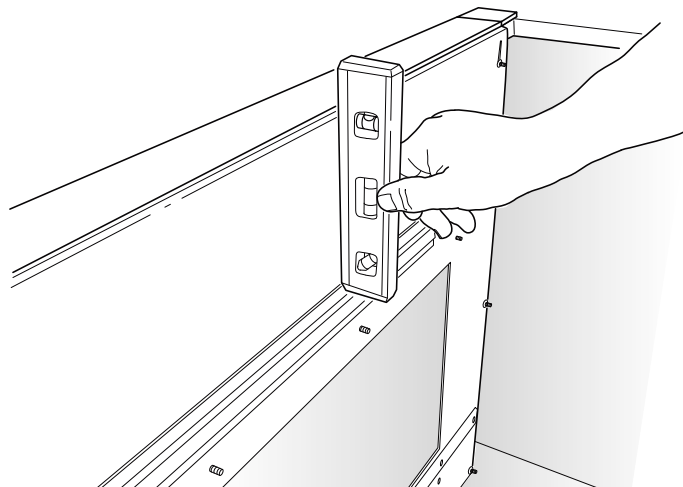
Cut out ductwork opening in cabinet

1. Measure and mark where to cut the ductwork opening in the cabinet based on the ducting option selected. Use the dimensions in the illustration below to help plan how and where to provide duct access through your cabinet.



Hole in Cabinet Floor
Dimension A
Using Flex Blower (Model DHG602DUC) & 8" (203 mm) round duct straight down through cabinet floor. (1 1/2" / 38 mm left of installation center line)
7 3/4 inches (197 mm)

Measurements in inches (mm).



2. Set downdraft into cabinet/countertop opening as far back as possible and make sure it is level.

3. Check that markings in cabinet line up with ducting coming from downdraft.
4. Remove downdraft housing from cabinet.

CAUTION

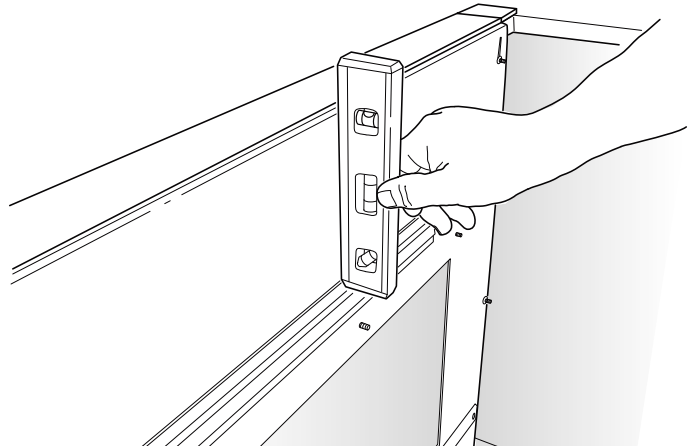
Before cutting hole in cabinet for ductwork, check for interference with floor joists, wall studs, electrical wiring or plumbing.

5. Cut ductwork hole in cabinet - as well as holes in wall or floor as necessary.

Mounting downdraft with recirculation kit (HDDREC5UC)

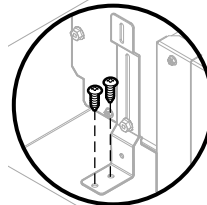
If unit is to be installed using a recirculation kit, please follow the installation instructions for the recirculation kit (HDDREC5UC) prior to installing and mounting the downdraft in the cabinet.

Mount downdraft in cabinet



1. Set downdraft into cabinet/countertop opening as far back as possible and make sure it is level.

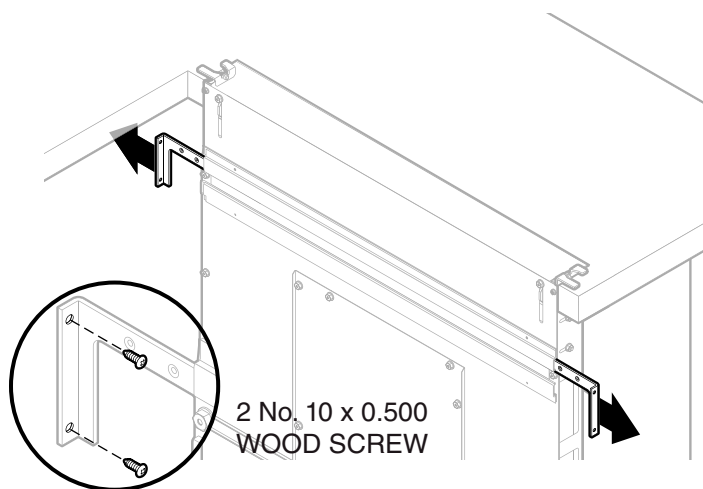
2 No. 10 x 0.500 WOOD SCREW



2. Extend support legs and attach to bottom of cabinet with (2) screws through each leg. Tighten nuts.

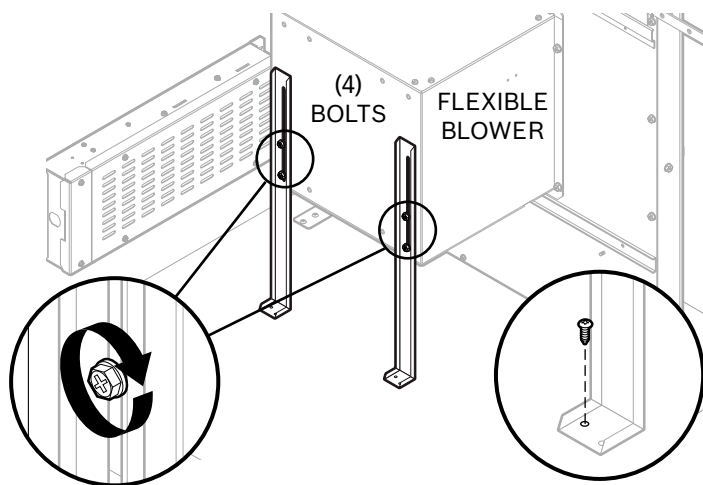
If cabinet bottom is removed: Use blocks as spacers between floor and support legs.

INSTALLATION



3. Extend upper support brackets and attach to sides of cabinet with (2) screws through each bracket.

Installations using flexible blower only:

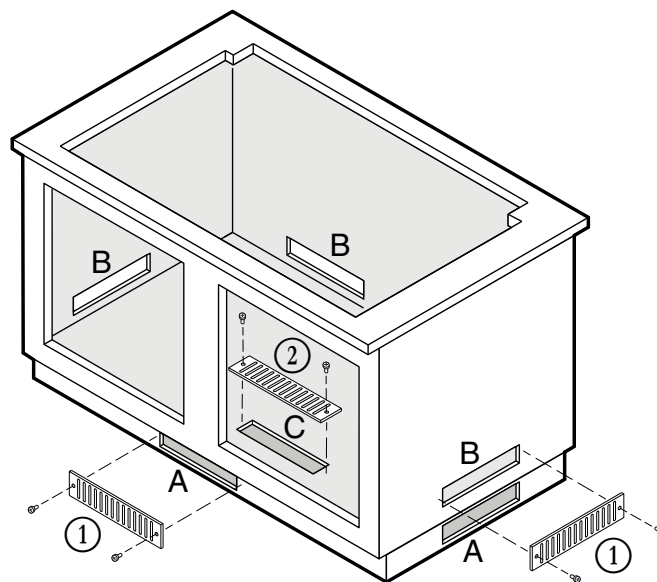


4. Extend blower support legs and secure them to bottom of cabinet with a screw through each leg. Tighten (4) bolts to secure legs to flex blower.

Gas cooktops only:

Install gas cooktop seal kit (HDD0RSP, HDD6RSP) (purchase separately)

Available for application with gas cooktops - where proper sealing is required and holes are required in cabinet base. Kit includes trim seal, toe-kick cover plate, and cabinet hole cover plate.



- ① Cut one **18¼" x 2½" (464 mm x 64 mm) OPENING (A)*** in the cabinet toe kick.

-- or --

- ① Cut one **18¼" x 2½" (464 mm x 64 mm) OPENING (B)** in the cabinet side or back.

Mount one of the two metal grilles over this opening, using two screws provided.

- ② If you chose to cut an opening in the toe kick - you must cut another **18¼" x 2½" (464 mm x 64 mm) OPENING (C)*** in the cabinet floor.

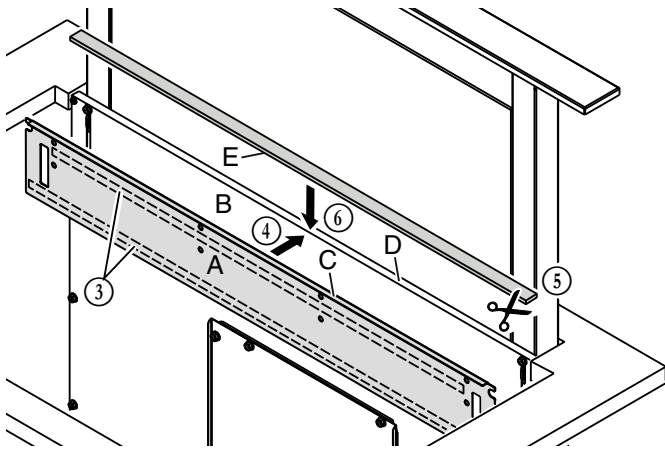
Mount the second metal grille over this opening.

*** IMPORTANT NOTE:**

When using toe kick opening (A) with opening (C) in cabinet floor: Air must be able to flow freely between these two openings - and not restricted by cabinet structure or any other obstruction.

INSTALLATION

- ③ Clean housing surface (B) with Isopropyl Alcohol or Rubbing Alcohol. Remove TAPE STRIPS to reveal adhesive side of tape from the back side of TRIM BRACKET (A).
- ④ Center trim bracket left-to-right at TOP OF DOWNDRAFT HOUSING (B). Stick trim bracket to downdraft housing so that FLANGES (C) and (D) are flush with each other.
- ⑤ Cut TRIM SEAL (E) to length: No shorter than downdraft countertop cutout opening and no longer than cooktop width.
- ⑥ Remove tape backing from TRIM SEAL (E). Center trim seal left-to-right and stick trim seal across both FLANGES (C) and (D).



Install roof cap, wall cap, inline or remote blower

1. Follow instructions included with caps, inline and remote blower.

Connect ductwork

1. From roof cap, wall cap, or remote blower - work back towards the cabinet, attaching all ductwork, elbows and transitions as previously planned.
2. Connect ductwork (and transition, if required) to flex blower or downdraft. If necessary, use (2) no. 8-18 x .375 (9.5 mm) Phillips screws for transition.

NOTE: Regardless of blower placement/exhaust, ensure that all seams are properly taped - to make them secure and air-tight. This includes seams/gaps between panels and/or on the blower.

Install the electrical panel (if previously removed from downdraft housing)

1. If electrical panel was removed from the downdraft housing in order to mount it in a remote location: Mount electrical panel in chosen location.

NOTE: Do not mount electrical panel with slots in cover facing downward.

Plan house wiring

⚠ WARNING

RISK OF ELECTRIC SHOCK

Parts inside the appliance can have sharp edges. The connection cable can be damaged. Do not bend or pinch connection cables during installation.

Before connecting the appliance, check the house wiring to make sure it has sufficient circuit protection. The voltage and frequency of the appliance must match the electrical installation (see rating plate).

Only a qualified electrician following all appropriate regulations may lay or replace the connecting cable.

Follow all regulations, codes, and laws.

Ensure that the electrical connection meets the requirements of the latest version of all regulations, codes, and laws in the appropriate country, especially the following standards:

National Electrical Code, ANSI/ NFPA 70, or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No.0-M91, UL 507.

Have a qualified electrical technician check the grounding of the appliance.

Do not ground to a gas line.

Keep these installation instructions for future reference.

Ensure that the wire diameter meets the requirements of the latest version of all applicable regulations, codes, and laws in the appropriate country, especially the following standards:

National Electrical Code, ANSI/NFPA 70, or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No.0-M91.

The downdraft with the Flex Blower (purchase separately) draws 3.0 Amps and requires a 120 VAC, 60 Hz circuit.

The downdraft with Remote Blower Models DHG6015NUC and DHG6023RUC (purchase separately) draws 5.0 Amps (max.) and requires a 120 VAC, 60 Hz circuit.

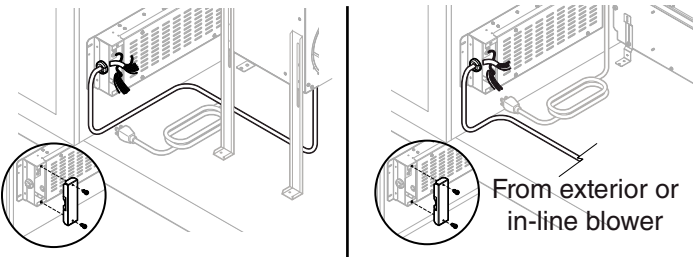
The downdraft has a 30-in. (762 mm) long power cord with a 3-pronged plug. Plan to provide a grounded outlet in a location which will allow the power cord to reach.

INSTALLATION

Install electrical wiring

⚠ CAUTION: Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.

⚠ CAUTION: Do not use an extension cord. If the product power cord is too short, have a qualified electrician install a three slot receptacle.



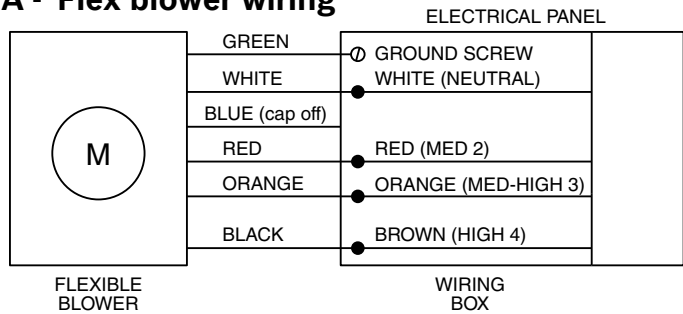
1. Install a standard wiring box, with 3-pronged receptacle, within reach of the downdraft's power cord.
2. Remove electrical panel wiring box cover. Secure blower power cable to electrical panel wiring box with U.L. approved strain relief.

Based on blower selected, go to the relevant section:

A - Flex blower wiring

B - Remote blower wiring

A - Flex blower wiring

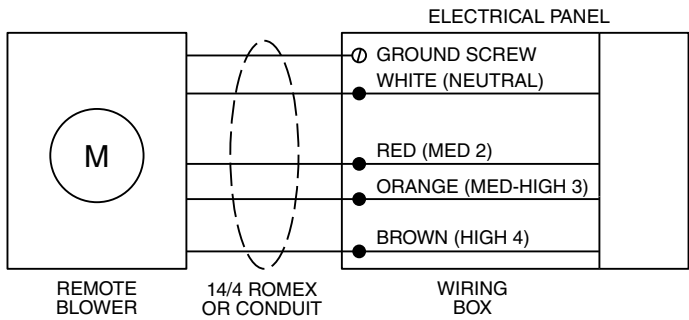


3. Connect flexible blower wires to wires in electrical panel wiring box as shown. Cap off BLUE wire (LOW 1).
4. Replace wiring box cover.

B - Remote blower wiring

3. The following exterior or inline blowers can be used:

DHG6023RUC - 600 cfm (17 m³/min) Remote Blower
DHG6015NUC - 600 cfm (17 m³/min) Inline Blower
120 VAC • 60 Hz • 5.0 A (max.)

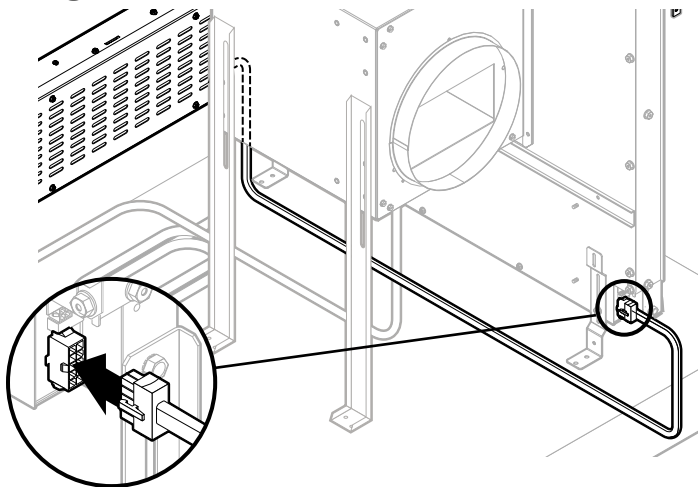


NOTE: Some blowers may come with plugs or connectors. These should be removed and the 14/4 ROMEX or Conduit wiring should be connected in and approved junction box. As an alternative, the BSH 25-ft. Extension Cable Kit (EXTNCB25W) and the Extension Cable Connection Kit (EXTNSET4) can be used in place of the ROMEX or conduit wiring. Please follow all required and recommended wiring instructions in this manual and the extension cable kits.

4. Connect power wires to wires in electrical panel wiring box as shown.
5. Replace wiring box cover.

INSTALLATION

Plug electrical panel



Plug electrical panel cable into lower receptacle on side of downdraft.

Connect downdraft to power

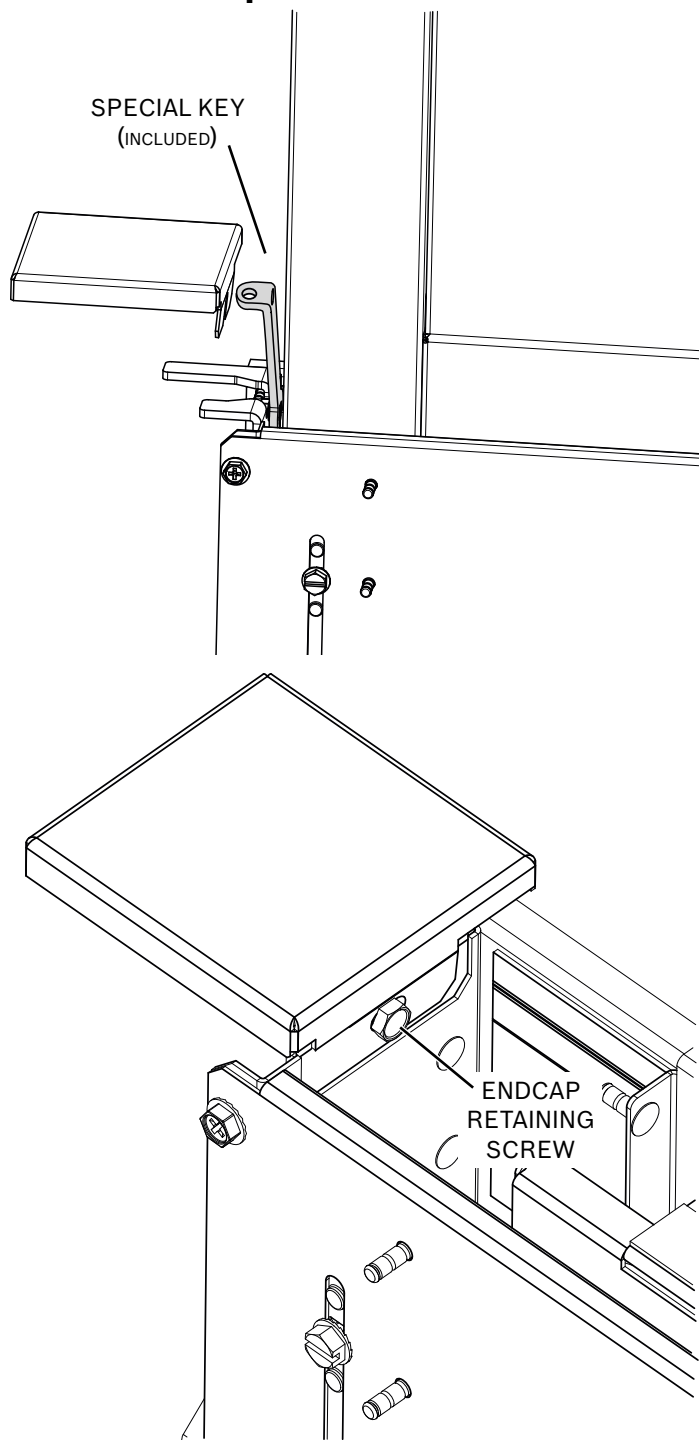
1. Plug the downdraft's power cord into the 3-pronged receptacle. Make sure that the power cord is routed away from the heat generated by the cooktop.
2. Check operation.
3. Remove all protective film and packaging before operation. In order to remove all protective film and packaging, raise the intake housing and remove the front panel to access the filter area.

Install cooking appliance

Align the cooking appliance with downdraft and fasten appliance in place following appliance instructions.

Note: Accurate alignment of cooking appliance and downdraft is necessary to ensure that there is no interference when air vent is raised and lowered. There should be a gap of $\frac{1}{32}$ " - $\frac{1}{16}$ " (0.79 mm - 1.59 mm) between the back of the cooktop and the front of the downdraft cover.

Attach endcaps to downdraft



NOTE: Following procedure applies to both endcaps.

1. Use the included special key to loose the endcap retaining screw.
2. Place the endcap over the bracket.
3. Use the included special key to tighten the endcap retaining screw.
4. Check the operation of the downdraft.

BOSCH® SUPPORT

Before calling service

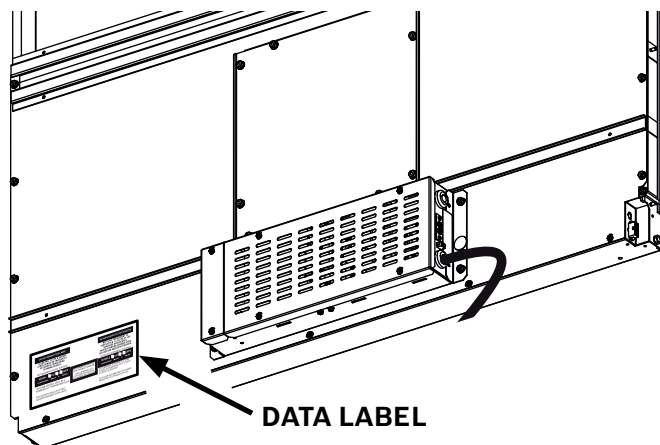
See the Use and Care Manual for troubleshooting information. Refer to the “Statement of Limited Product Warranty”.

To reach a service representative, see the contact information at the front of the manual. Please be prepared with the information printed on your product data label when calling.

Data label

The data label shows the model and serial number. Refer to the data label on the appliance when requesting service.

The data label can be found on the front / lower / left of the downdraft housing.



To avoid having to search for each piece of information when calling, you can enter the four items needed in the spaces below.

Model No.	
Serial No.	
Date of Purchase	
Customer Service No.	

Keep your invoice or escrow papers for warranty validation if service is needed.

Service

We realize that you have made a considerable investment in your kitchen. We are dedicated to supporting you and your appliance so that you have many years of creative cooking.

Please don't hesitate to contact our Customer Support Department if you have any questions or in the unlikely event that your Bosch® appliance needs service. Our service team is ready to assist you.

USA 800-944-2904 www.bosch-home.com/us/support

Canada 800-944-2904 www.bosch-home.ca/en/support

Parts and accessories

Parts, filters, descalers, stainless steel cleaners and more can be purchased in the Bosch® eShop or by phone.

USA www.bosch-home.com/us/store

Canada Marcone 800-482-6022 or Reliable Parts 800-941-9217