Write Model and Serial Numbers here:

Model: _______________________
Serial No.: ___________________
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EQUIPMENT SAFETY

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 any questions, contact the manufacturer.
- Before servicing or cleaning unit, switch power off at service panel and lock 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.
- 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 exhaustion 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 a wall or ceiling, do not damage electrical wiring and other hidden utilities.
- Ducted fans must always be vented to the outdoors.

WARNING: FUEL (GAS) BURNING RANGES MUST BE VENTED OUTDOORS USING, AT MINIMUM, METAL DUCTWORK AND RANGE HOODS OF SUFFICIENT CAPACITY.

- Follow your fuel burning equipment manufacturer’s guidelines, as well as, all applicable safety standards published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and your local code authorities.
Cooking Safety Information

1. Never leave the range hood unattended when in use.
2. Never cook over open flames under the range hood.
3. Always turn the range hood on when cooking at high heat or when cooking flaming foods.
4. The minimum installation distance above the range (D) is 18 in. (458 mm). Use extra caution as the surface of the range hood may become extremely hot to the touch if the range is operated on high power for an extended amount of time.
5. Use caution when cooking with oil or with deep fryers. Overheating may cause oil to reach its flash point and ignite. Used oil will ignite at lower temperatures than fresh oil. Heat oils slowly on low to medium setting.
6. Avoid boil overs, as they may cause smoking and greasy spillovers that could ignite.
7. To prevent burns or fires, always use cookware appropriate to the size of the heating element that you are using.
8. In the event of fire, observe the following: 
   a. Be careful to avoid burns.
   b. Smother flames with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. If the flames do not go out immediately, evacuate and call the fire department.
   c. Never pick up a flaming pan.
   d. Do not use water, including wet dishcloths or towels, as you could cause a steam explosion.
   e. Use an extinguisher only if: (a) you have a class ABC extinguisher and you know how to operate it, (b) the fire is small and contained in the area where it started, (c) the fire department is being called, and (d) you can fight the fire with your back to the exit.

Cleaning Safety Information

1. The fan and filter must be cleaning periodically and kept free from accumulation of cooking. Old, worn, or broken filter must be replaced immediately.
2. Never disassemble parts to clean. Parts should be disassembled by qualified persons only.
INSTALLATION INSTRUCTIONS

CAUTION: Before beginning the installation, switch the power off at the circuit breaker 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 breaker.

Ductwork Requirements

NOTE: Read the ductwork sections only if you do not have existing ductwork. If you have existing ductwork, skip to the Damage section, and proceed.

The venting system must exhaust to the outside. This hood can be vented vertically through upper cabinets or horizontally into an outside wall. Ductwork is not included.

CAUTION: To reduce the risk of fire and to properly exhaust air, be sure to duct the air outside. Do NOT vent exhaust air into spaces within walls or into ceilings, attics, crawl spaces, or garages.

Exhaust Connection

The hood exhaust has been designed to mate with a standard 3 ¼” x 10” rectangular ducting or a 7” diameter transition adaptor must be used. If a rectangular-to-round transition adaptor is used, the bottom corners of the damper will have to be cut to fit, using tin snips, in order to allow free movement of the damper. Equivalent lengths of duct pieces are based on actual tests and reflect requirements for good venting performance with any hood. Do NOT use less than a 6” diameter duct.

Maximum Duct Length

For satisfactory air movement, the total duct length of a 3 ¼” x 10” rectangular, or 6” or 7” diameter round duct should not exceed 65 equivalent feet. See the Worksheet – Calculate Total Equivalent Ductwork Length section.

NOTE: It is important that ducting be installed using the most direct route and with as few elbows as possible. This ensures clear venting of exhaust and helps prevent blockages. Also, make sure dampers swing freely and nothing is blocking the ducts. When applicable, install any makeup (replacement) air system in accordance with local building code requirements.

Elbows, transitions, wall, and roof caps present additional resistance to airflow and are equivalent to a section of straight duct longer than their actual physical size. When calculating the total duct length, add the equivalent lengths of all transitions and adaptors plus the length of all straight duct sections. The charts on the following pages show you how to calculate total equivalent ductwork length using the approximate feet of equivalent length of some typical ducts.

Damage

• If the unit is damaged in shipment, return the unit to the store in which it was bought for repair or replacement.
• If the unit is damaged by the customer, repair or replacement is the responsibility of the customer.
• If the unit is damaged by the installer (if other than the customer), repair or replacement must be made by arrangement between customer and installer.
Wiring Connection

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

- Electrical grounding is required for this range hood. Check with a qualified electrician if you are not sure whether the range hood is properly grounded. A fuse in the neutral or grounding circuit could result in electrical shock.
- Failure to follow electrical requirements may result in a fire.
- If the hot/cold water pipe is interrupted by plastic nonmetallic gaskets or other materials, DO NOT use for grounding.
- DO NOT GROUND TO A GAS PIPE.

NOTE: It is the customer's responsibility to contact a qualified electrical installer and assure that the electrical installation is adequate and complies with the National Electrical Code, or CSA standards, as well as all local codes and ordinances.

- Save installation instructions for electrical inspector's use.
- If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine if the ground path is adequate.
- DO NOT use an extension cord or adapter plug with this appliance.
- The range hood must be connected with copper wire only.
- The range hood should be connected directly to the junction (or circuit breaker) box through flexible, armored, or nonmetallic sheathed copper cable. Allow some slack in the cable so the appliance can be moved if servicing is ever necessary.
- A UL listed or CSA approved conduit connector must be provided at each end of the power supply cable (at the range hood and at the junction box).
- When making the electrical connection, cut a 3.2 cm (1-1/4 in hole in the wall. A hole cut through wood must be sanded until smooth. A hole through metal must have a grommet.
- 10. When cutting or drilling into the wall or ceiling, do not damage electrical wiring and other hidden utilities.

NOTE: Temporarily wire the range hood to test it for proper operation. If the range hood does not operate correctly, do not proceed with the installation.

1. Use the power supply cable to connect the range hood (A) directly to the junction box or circuit breaker box. Use a flexible, armored, or nonmetallic sheathed copper cable only. Never use an extension cord or adapter plug.
2. Connect a UL-listed or CSA-approved conduit connector to each end of the power supply cable (at the range hood and at the junction box). Connect the 2 colored wires from the range hood (A) to the corresponding wires from the electrical source: black to black (live), white to white (neutral), and the house grounding wire to the ground screw. Use either the top hole (1) or the back hole (2) of the range hood depending on your installation type.
3. Turn the power on and ensure that the lights and the fan are operating correctly.
4. Once you have tested the electrical connection, disconnect the power supply cable and wires from the electrical source before proceeding with the rest of the installation.

DANGER: Risk of electrical shock. This range hood must be properly grounded.
### Worksheet—Calculate Total Equivalent Ductwork Length

<table>
<thead>
<tr>
<th>Duct Pieces</th>
<th>Equivalent Number</th>
<th>Length x Used</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>3½&quot; x 10&quot; Rect., straight</td>
<td>1 Ft. x 1</td>
<td>= Ft.</td>
<td></td>
</tr>
<tr>
<td>7&quot; Round, straight</td>
<td>1 Ft. x 1</td>
<td>= Ft.</td>
<td></td>
</tr>
<tr>
<td>6&quot; Round, straight</td>
<td>1 Ft. x 1</td>
<td>= Ft.</td>
<td></td>
</tr>
<tr>
<td>3¼&quot; x 10&quot; Rect. 90° elbow</td>
<td>14 Ft. x 1</td>
<td>= Ft.</td>
<td></td>
</tr>
<tr>
<td>3¼&quot; x 10&quot; Rect. 45° elbow</td>
<td>8 Ft. x 1</td>
<td>= Ft.</td>
<td></td>
</tr>
<tr>
<td>3¼&quot; x 10&quot; Rect. 90° flat elbow</td>
<td>33 Ft. x 1</td>
<td>= Ft.</td>
<td></td>
</tr>
<tr>
<td>3¼&quot; x 10&quot; Rect. wall cap with damper</td>
<td>24 Ft. x 1</td>
<td>= Ft.</td>
<td></td>
</tr>
<tr>
<td>3½&quot; x 10&quot; Rect. to 6&quot; round transition</td>
<td>2 Ft. x 1</td>
<td>= Ft.</td>
<td></td>
</tr>
<tr>
<td>3½&quot; x 10&quot; Rect. to 6&quot; round transition 90° elbow</td>
<td>4 Ft. x 1</td>
<td>= Ft.</td>
<td></td>
</tr>
<tr>
<td>6&quot; Round, 90° elbow</td>
<td>25 Ft. x 1</td>
<td>= Ft.</td>
<td></td>
</tr>
<tr>
<td>6&quot; Round, 45° elbow</td>
<td>16 Ft. x 1</td>
<td>= Ft.</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal column 1 = Ft.

**Maximum Duct Length:** For satisfactory air movement, the total duct length of a 3½" x 10" rectangular, 7" diameter round duct should not exceed 65 equivalent feet.

**Note:** Any home ventilation system, such as a ventilation hood, may interrupt the proper flow of combustion air and exhaust required by fireplaces, gas furnaces, gas water heaters and other naturally vented systems. To minimize the chance of interruption of such naturally vented systems, follow the heating equipment manufacturer’s guidelines and safety standards such as those published by NFPA and ASHRAE. When applicable, install any makeup (replacement) air system in accordance with local building code requirements.

<table>
<thead>
<tr>
<th>Duct Pieces</th>
<th>Equivalent Length</th>
<th>Number</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; Round wall cap with damper</td>
<td>53 Ft. x</td>
<td>= Ft.</td>
<td></td>
</tr>
<tr>
<td>72 Ft.</td>
<td>= Ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Ft.</td>
<td>= Ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 Ft.</td>
<td>= Ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 Ft.</td>
<td>= Ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 Ft.</td>
<td>= Ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>28 Ft.</td>
<td>= Ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39 Ft.</td>
<td>= Ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Ft.</td>
<td>= Ft.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subtotal column 2 = Ft.

Subtotal column 1 = Ft.

Total ductwork = Ft.
Choosing a Vent Option
Determine the vent option that your installation will require and that is available for your model from the below choices.

NOTE: If the hood is to be installed in a recirculating, non-vented, ductless manner, do not knock out any vent openings in the hood.

WARNING: Always wear safety goggles and gloves during installation.

A. Outside Top Exhaust
Vertical duct 3 ¼" x 10" rectangular

B. Outside Top Exhaust
Vertical duct 7" round

C. Outside Rear Exhaust
Horizontal duct 3 ¼" x 10" rectangular

D. Recirculating
Non-vented/ductless
Duct Installation

Remove the Filter
Take out filters from the accessory bag. Tear off film from grease filter. Put charcoal filter on grease filter. Slip the back edge of the filter into the retaining slot. Rotate the filter block pin to fix the filters into place.

WARNING: Failure to replace worn out or damaged filters will increase the risk of fire.

If you are venting indoors, unscrew the 2 screws holding baffle in place and remove the baffle. DO NOT REMOVE ANY OTHER VENTING HOLE COVER. If the hood is to be recirculated, skip to the Cut Holes step.

Remove the Duct Knockout
Using a flat-blade screwdriver, remove the appropriate duct knockout from the top or back of the hood.

3 1/4" x 10" Rectangular vertical discharge. Remove top rectangular duct knockout only.

7" Round vertical discharge. Remove circular duct knockout only.

3 1/4" x 10" Rectangular horizontal discharge. Remove rear rectangular duct knockout only.
For 3 ¼” x 10” Rectangular Ducted Installation
1. Remove tape from damper flap.
2. Attach exhaust adaptor/damper over the appropriate knockout opening (for vertical or horizontal, depending on installation) with six exhaust adaptor screws. Make sure damper pivot is nearest to top/back edge of hood.

For 7” Round Vertical Ducted Discharge Installation
1. 7” round duct plate is not included. You should purchase from the dealer.
2. On 7” round installations, attach the 7” duct with five mounting screws through the holes in the 7” round duct.

For Recessed-Bottom Cabinets
If the cabinets have front, side or back trim, make 2 wood shims a minimum of 3/8" thick and cut to fit the width of the inner recessed cabinet bottom. Attach them to the cabinet bottom recess on both sides. See Step 9 for marking locations.
Mark Holes
Select the vent option that your installation will require and proceed to that section:

**Outside Top Exhaust – 3 ½” x 10” Rectangular**
Use the diagram to the right or the hood itself as a template and mark the locations on the cabinet for ductwork and keyhole screw slots.

**Outside Top Exhaust – Vertical duct 7” Round**
Use the diagram to the right or the hood itself as a template and mark the locations on the cabinet for ductwork and keyhole screw slots.

Wood shims (recessed-bottom cabinets only–shims must be a minimum of 3/8” thick and cut to fit the width of the inner recessed cabinet bottom)
**Outside Rear Exhaust – 3 ¼” x 10” Rectangular**

Use the diagram to the right or the hood itself as a template and mark the locations on the cabinet for ductwork and keyhole screw slots.

Wood shims
(recessed-bottom cabinets only–shims must be a minimum of 3/8” thick and cut to fit the width of the inner recessed cabinet bottom)

**Recirculating**

- Use the hood as a template and mark the locations on the cabinet for ductwork and keyhole screw slots.
- Since the hood is to be recirculated (not to be vented outside), do not cut out any vent openings in the wall or cabinet bottom.

**Cut Holes**

- Cut holes at marked locations for duct.
- For the vertical duct, cut out ¾” extra toward the front of the cabinet so you can move the duct freely when installing the hood. It may also ease installation by cutting the hole 10 ½” instead of 10”.
- Drive a mounting screw (from the hardware packet) part way into each center of the narrow neck of the keyhole slots marked on the cabinet bottom.
Secure the Hood
Slide the hood back against the wall. Tighten the mounting screws. Be sure the screw heads are in the narrow neck of the keyhole slot.

NOTE: DO NOT push the fan blade. Pushing on the blade may cause it to interfere with other hood parts.

Connect the Ductwork to the Hood (Ducted Installations Only)
• 7" round duct plate is not included. You should purchase from the dealer.
• On 7" round installations, attach the 7" duct with five mounting screws through the holes in the 7" round duct.

• Use duct tape to make joints secure and tight.
Replace the Filter

Make sure fan blade turns freely and replace the filter.

NOTE: Install the metal grease filter if ducted or the charcoal filter if recirculated.

The installation is complete. Turn on the power at the breaker box and test the hood for proper operation.

WARNING: Failure to replace worn out or damaged filters will increase the risk of fire.

WARNING: Light bulbs can become hot when turned on. Do not touch bulbs until they are switched off and cooled. Touching hot bulbs could cause serious burns.

OPERATING YOUR RANGE HOOD

Controls

1. Range Hood Control Panel
   The control panel is located on the front of the canopy.

2. Light Switch
   The light switch toggles between ON and OFF.

3. Fan Power Supply
   The power switch toggles between the fan settings LO, HI, and OFF.
CLEANING AND CARE

CAUTION: Be sure the range hood is disconnected from the power supply and all surfaces are cool before cleaning any part of the vent hood.

Reusable Metal Grease Filter – Ducted Installations Only
The efficiency of your hood depends on a clean filter. Frequency of cleaning depends on hood use and the type of cooking you do. However, the grease filter should be cleaned at least once a month.

To Remove
Rotate the filter block pin to slip the filters out of the hood.

To Clean
Soak and then agitate the filter in a solution of hot water and a mild detergent. Light brushing can be used to remove any embedded dirt. Rinse, shake and let it dry before replacing.

To Replace
Insert the back edge of the filter into the retaining slot and push the front edge up until the filter close against main body. Rotate filter block pin to fix the filter into place.

NOTE: NEVER OPERATE THE HOOD WITHOUT THE FILTER IN PLACE. With careful handling, the metal filter will last for years. If a new replacement filter becomes necessary, order the part from your dealer.

Charcoal Filter – Recirculating Installations Only
NOTE: DO NOT rinse or put charcoal filters in an automatic dishwasher.

• The charcoal filter cannot be cleaned. It must be replaced. Replacement filters can be ordered from your supplier.
• If the hood is not vented to the outside, the air will be recirculated through a disposable charcoal filter that helps remove smoke and odors.
• The charcoal filter should be replaced after 6 to 12 months (depending on hood usage).

(SKIP THIS STEP IF YOU ARE USING EXTERIOR VENTING)

NOTE: The charcoal filter should only be installed if you are not using an external venting system.

• Turn the filter clip to either side and lift the aluminum filter.
• Place the charcoal filter in place, ensure that it covers the air outlet entirely.
• Turn the filter clip so that the end of the clip holds the filter firmly in place.
Surfaces
CAUTION: When cleaning the hood surfaces, be certain that you do not touch the light bulb with moist hands or cloth. A warm or hot light bulb may break if touched with a moist surface. Always let the light bulb cool completely before cleaning around it.

- Stainless Steel Surfaces (on some models) Do not use a steel-wool pad; it will scratch the surface.
- To clean the stainless steel surface, use warm sudsy water or a stainless steel cleaner or polish. Always wipe the surface in the direction of the grain. Follow the cleaner instructions for cleaning the stainless steel surface.

NOTE: When cleaning, take care not to come in contact with filters and other non-enameled surfaces.

- Do not use steel-wool pads or other abrasive cleaners on painted surfaces. They will scratch the surface.
- Clean grease-laden surfaces of the hood frequently. To clean the hood surface, use a hot, damp cloth with a mild detergent suitable for painted surfaces. About one tablespoon of ammonia may be added to the water. Use a clean, hot, damp cloth to remove soap. Dry with a dry, clean cloth.

TROUBLESHOOTING
You can solve many common problems easily, possibly saving you the cost of a service call. Try the suggestions below to see if you can solve the problem before calling the servicer.

If the hood seems to be operating at high speed when the control is not set on high, or if ventilation seems inadequate, check the following:

- Knockouts not removed from hood. Damper blade not opening.
- Reduced airflow because the duct is too small, or the duct length is too long.
- The duct is blocked.
- Undersized or restrictive wall or roof cap.

If the hood seems to make excessive noise:

- Fan may be hitting the filter. Turn off the fan and remove the filter. Bend the filter down slightly in the center (into a dome shape) to allow fan clearance. Reinstall and adjust as needed.

The fan does not work but the lights do:

- Switch power off at the 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.
- Check the wiring connections. See the CONNECTWIRING section in these Installation Instructions.

If you've checked the table above and find that you still need help with your appliance, call our Customer Service facility at 800-932-4267 between 9:00AM and 5:00PM ET. We will do our best to answer your questions.
LIMITED WARRANTY

Within the 48 contiguous United States, for one year from the date of purchase, when this appliance is operated and maintained according to instructions attached to or furnished with the product, warrantor will pay for factory-specified parts and repair labor to correct defects in materials or workmanship. Service must be provided by a designated service company. Outside the 48 states, all parts are warranted for one year from manufacturing defects. Plastic parts, shelves and cabinets are warranted to be manufactured to commercially acceptable standards and are not covered from damage during handling or breakage.

ITEMS WARRANTOR WILL NOT PAY FOR:

1. Service calls to correct the installation of your appliance, to instruct you how to use your appliance, to replace or repair fuses or to correct wiring or plumbing.
2. Service calls to repair or replace appliance light bulbs or broken glass shelves. Consumable parts (such as filters) are excluded from warranty coverage.
3. Damage resulting from accident, alteration, misuse, abuse, fire, flood, acts of God, improper installation, installation not in accordance with electrical or plumbing codes, or use of products not approved by warrantor.
4. Replacement parts or repair labor costs for units operated outside the United States.
5. Repairs to parts or systems resulting from unauthorized modifications made to the appliance.
6. The removal and reinstalltion of your appliance if it is installed in an inaccessible location or is not installed in accordance with published installation instructions.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

CUSTOMER’S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR. WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS, SO THESE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

WARNING: This product can expose you to chemicals including Nickel (Metallic) which is known to the State of California to cause cancer.

For more information go to www.P65Warnings.ca.gov

Note: Nickel is a component in all stainless steel and some other metallic compositions.