



Proline PLJW 185 Under Cabinet Series Range Hoods

INSTALL MANUAL

Table of Contents

Safety Information 2

Warranty Infomation and Return Policy 3

Pre-Installation. 4

Inspection and Testing. 6

Installing the Ductwork 6

Mounting the Hood 7

Filter Installation 9

Final Steps. 9

Maintenance 10

Latest Installation Manual 10

Safety Information

Ask a qualified professional such as a licensed general contractor to install your range hood. Electrical wiring must be installed, insulated, and grounded by a licensed electrician familiar with your local codes and regulations. If you don't have this background, do not install the hood yourself. Poor installation or electrical work may result in an injury.

- Range hoods can be heavy to mount, so always ask a friend for help.
- Wear protective gloves when handling the range hood and its filters. The edges can be sharp.
- For residential use only. Do not install your hood in a restaurant or other commercial environment. Our hoods do not abide by the rules and regulations for commercial use.
- Do not use your hood to vent hazardous or explosive materials and vapors. This is incredibly dangerous and may result in serious injury.
- When cleaning the unit, make sure the power is turned off.
- When troubleshooting or replacing the touch panel, circuit board, or other electrical components, turn power to the range hood off.
- Check your local codes and regulations to see what type of ductwork is required. Some codes require rigid metal ductwork. Do not use flex duct for your range hood, as it can wear down quickly. Air may escape into your walls or attic.

- Never vent your ducted hood into an attic, joists in your ceiling, or a soffit. Always vent the hood to the outside to keep grease, smoke, and unwanted contaminants out of your home.
- Avoid electrical wiring when drilling a hole into your wall or ceiling for ductwork.
- Clean or replace old ductwork with new rigid ductwork to prevent potential grease fires and increase the efficiency of your range hood.
- Seal all joints in your duct system with aluminum tape to prevent air from escaping in your walls or attic.
- Check your local regulations to determine if you need make-up air. When a range hood vents air out of your home, that air has to be replaced. If you operate a powerful range hood (600+ CFM) in a small kitchen, you may need make-up air. We do not sell make-up air kits.
- Clean your range hood filters, grease trays, and the range hood every few weeks. Heavy grease buildup shortens the life of your hood and it may lead to a grease fire.
- All Proline range hoods are ETL certified. They meet all industry standards and regulations to ensure your safety.
- Use the high setting on your range hood to vent heavy smoke or heat in case of emergency. Otherwise, use the lower settings to prolong the life of your hood.
- While your range hood is on, do not leave your cooking area unattended.

Safety Information (continued)

- When cooking with oils, do not heat them past their smoke point. If oil starts smoking, turn off the burner and discard any food that came into contact with it. Do not use extra virgin olive oil in high heat, since it starts to smoke at around 300° Fahrenheit.

In the event of a grease fire:

- Smother the flames with a large lid, pan, or baking sheet. If the fire is small, smother it with baking soda or salt. For larger fires, use a fire extinguisher.
- Turn off all burners.

- Do not touch a flaming pan. This may result in serious burns.
- Keep all flammable materials away from the grease fire. This may include nail polish remover, flour, rubbing alcohol, and hand sanitizer, among other household items.
- Do not pour water on a grease fire. Water will spread the oil around, making the fire more potent and dangerous. Wet towels and rags will also spread the oil, so avoid using these as well.
- If you cannot contain the fire, call the fire department immediately.

Warranty Information and Return Policy

Proline 3-Year Warranty

All of our range hoods have a three-year warranty. For the first year, we cover parts and labor. This doesn't include installation. For the second and third years of your warranty, we'll cover parts only. This warranty covers every part of your range hood except the following:

- Range hood filters
- Range hood lights
- Any dents, dings, scratches, or other damage to the outside of the hood

If you're outside of the warranty and your hood is not working properly, call us at (801) 973-3959 and we'll help you resolve your issue. We can typically help fix your Proline range hood at a reasonable price so you don't have to replace the entire range hood.

Proline Return Policy

For the most accurate return policy, please scan the QR code at the back of this manual or visit our website. Printed materials may occasionally be outdated or incomplete. Always refer to our online support section for the latest information.

We want you to be completely satisfied with your purchase. Please read the following carefully before installation or discarding packaging:

1. Damaged or Defective? Let Us Know Within 5 Days

If your hood arrives damaged or defective, you must notify us within 5 business days of delivery. We'll work with you

to repair, replace, or fully refund the item at no cost to you. Claims made after 5 business days will not be accepted.

2. Changed Your Mind? Return Window Up to 30 Days

If your hood is not damaged but you still want to return it, you may request a return within 30 days of delivery. If your return is approved, a 20% restocking fee will apply.

3. No Returns After 30 Days

We do not accept returns under any circumstance beyond 30 days from delivery.

4. Installed Products Cannot Be Returned

Items that have been installed or show any signs of installation are not eligible for return.

5. Keep the Packaging

All returns must include the original packaging. If any part of the packaging is missing or discarded, the return will be denied.

6. Photo Documentation Required

To process a return request, photo documentation is required:

- If the box has been **opened**, you must provide **6 clear photos** showing all sides of the range hood, including the top and bottom, *outside* of the packaging.
- If the box is **unopened**, please provide **photos showing the factory seal on the tape has not been broken**.

CHIMNEYS AND CHIMNEY EXTENSIONS ARE NOT RETURNABLE.

Ensure the product is uninstalled, repackaged in the original box with all accessories, and in new condition.

Pre-Installation

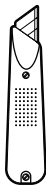
Tools Required



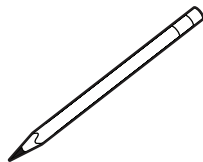
Safety Goggles



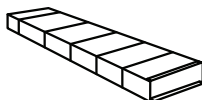
Safety Gloves



Utility Knife



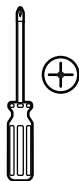
Pencil



3x10 Rectangular
Ducting



Adjustable
Wrench



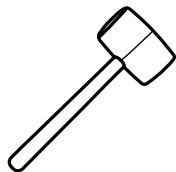
Phillips Screwdriver



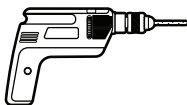
Flathead
Screwdriver



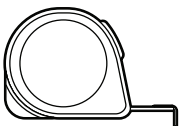
Needle Nose
Pliers



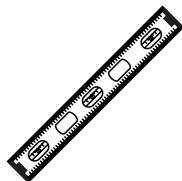
Rubber Mallet



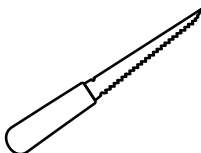
Electric Drill



Measuring Tape



Level



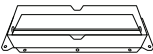
Sheetrock Saw



HVAC Tape

Pre-Installation (continued)

Parts Supplied

DESCRIPTION	IMAGE	QUANTITY
Undercabinet Hood		1
3x10 Ducting Transition/Damper		1
Round Head Screws for Ducting Transition Piece		10
Baffle Filters		Varies by size

Inspection and Testing

Before beginning installation, take a few minutes to inspect and test your range hood. This helps ensure there was no damage during shipping and that all components function properly.

1. Inspect for Shipping Damage

- ☐ Unbox the hood carefully and remove all packing materials.
- ☐ Examine the exterior surfaces and corners for dents, scratches, or other visible damage.
- ☐ Check that the baffle filters, hardware, and accessories are included and undamaged.
- ☐ If any damage is found, do not install the hood.
 - Contact Proline Range Hoods immediately to report the issue.
 - Shipping-related damage must be reported within five (5) business days of delivery for a replacement or claim to be processed.

Note: Once the hood is installed, visible shipping damage cannot be claimed under warranty or replacement policy.

2. Test the Hood Before Installation

Before mounting the hood, plug it into a grounded 120 V outlet and perform a quick test to verify operation:

- ☐ Press the blower control buttons to ensure the fan operates on all speeds.
- ☐ Turn on the lights to confirm they function properly.
- ☐ Listen for any unusual sounds or vibration.

If everything operates as expected, disconnect power and proceed with installation. If any issues are detected, contact Proline customer service before continuing.

Reminder: Save the original packaging until the hood is installed and operating correctly.

Installing the Ductwork

Important: This hood is typically installed as a ducted unit venting outdoors. Do not vent into enclosed spaces. If outside venting isn't possible, a recirculating kit can be used to convert the hood for non-ducted operation.

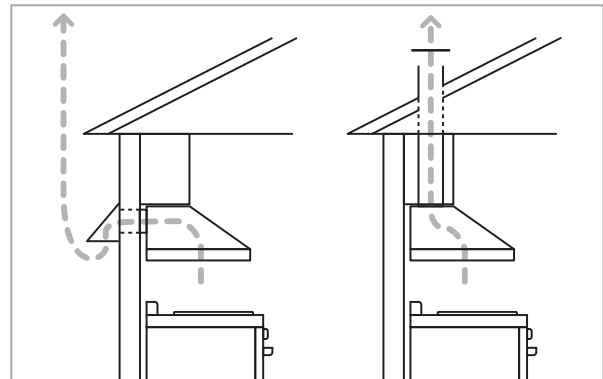
Note: This hood includes a 3" x 10" rectangular duct outlet. To use round ducting, install a 3" x 10" to 6" round transition adapter (not included; available at most hardware stores). Secure the adapter before connecting your 6" ductwork for proper ventilation.

1. Plan the Duct Route

Plan your ductwork before installation. The duct path should be the shortest, most direct route from the hood to the exterior of your home.

Avoid studs, electrical wires, or other obstacles inside the walls and ceiling.

- The best option is to vent vertically through the roof if possible, since hot air naturally rises.
- If vertical ducting is not an option, vent horizontally through an exterior side wall.



Tip: Draw your duct path before cutting. Verify clearances above the cabinet and in the ceiling cavity to avoid unnecessary bends or transitions.

2. Best Practices for Ducting

- To ensure proper performance, follow these guidelines:
- Include at least 18 inches of straight duct from the transition piece before the first elbow.
- Maintain at least 18 inches of straight duct between elbows.

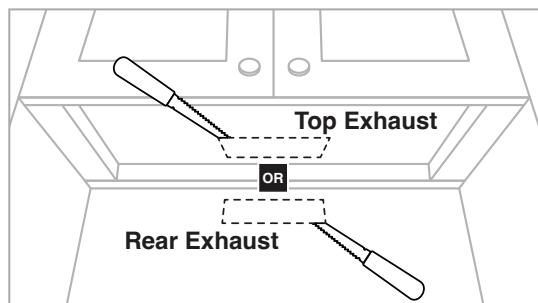
Installing the Ductwork (continued)

- Use rigid galvanized steel or metal HVAC ducting only.
- Do not use plastic or flexible foil ducting.
- Do not reduce the duct diameter from the hood outlet size (3" x 10" or 6" round with adapter).
- Do not terminate the vent into an attic, crawlspace, or another enclosed area.
- Do not use 4" dryer-type wall caps.
- Keep total duct length under 30 feet.
- Subtract 5 feet from the total length for every 90° elbow used.
- Do not use more than two elbows; the fewer, the better.
- If possible, a round duct provides slightly better airflow efficiency than rectangular ducting.

3. Cutting the Duct Opening

Once you've selected your vent direction (top or back):

- ☐ Use the duct transition piece as a guide to mark the opening on your cabinet or wall.
- ☐ Cut the opening 1–2 inches larger than the duct size to allow for alignment and sealing.
- ☐ Use a sheetrock saw or similar tool to create a clean opening through the cabinet bottom, wall, or ceiling.



4. Routing the Ductwork

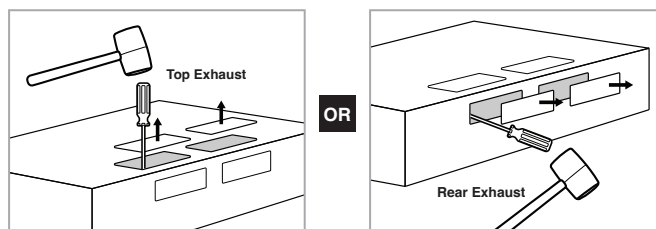
- Thread the duct from the exterior of your home toward the range hood location.
- The attic is generally the easiest place to run ducting vertically.
- If running through walls, carefully plan your route and create small access openings as needed.
- If you are unsure what lies behind a wall, consult a qualified contractor before cutting.
- Support horizontal duct runs every 4–5 feet to prevent sagging.

- Keep transitions gradual and aligned — avoid sharp offsets or crushed sections that can restrict airflow.

5. Installing the Transition Damper

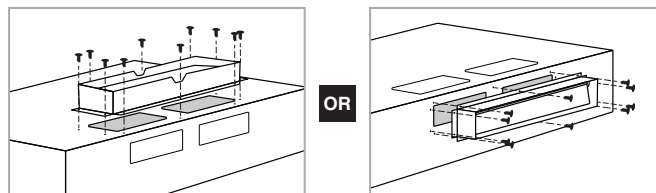
This hood includes a transition damper for connection to your duct system.

- ☐ Use a flathead screwdriver and a rubber mallet to tap around the edges of the pre-scored knockout panel, breaking it cleanly along the score line.



Be sure to only remove the knockout panels for your chosen vent direction — leave all others intact.

- ☐ Attach the transition damper over the opening and secure it with the ten (10) supplied machine screws.



Important: Only one damper should be used in your exhaust system. If your exterior cap includes a damper, remove the one on the hood's transition; if it doesn't, leave the transition damper installed.

Mounting the Hood

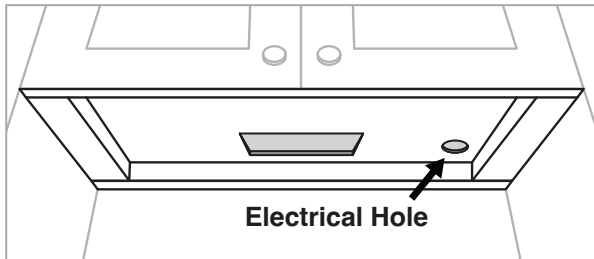
Once the transition damper is installed, you're ready to mount the hood to the underside of your cabinetry.

1. Prepare for Installation

- ☐ Remove the baffle filters to access the hood's interior mounting holes.
- ☐ Make sure the underside of your cabinet is strong enough to support the hood's weight; additional reinforcement may be required.

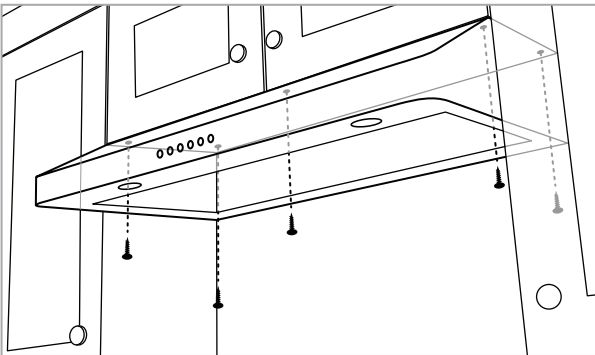
Mounting the Hood (continued)

- ☐ With the hood centered over your cooktop, mark the screw holes through the interior of the hood.
- ☐ Also mark the location for the 1.25" hole for the electrical cord.
- ☐ Drill all holes as marked.



2. Secure the Hood

- ☐ With help, lift the hood into position beneath the cabinet. Feed the electrical cord up through the drilled 1.25" hole as you raise the hood.
- ☐ Align the mounting holes and secure the hood using the provided screws. Make sure it's level and firmly supported.
- ☐ Do not overtighten.
- ☐ Once the hood is mounted, reinstall the baffle filters.



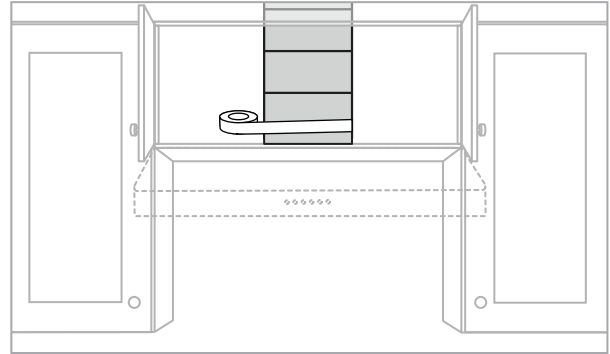
3. Verify Stability

- ☐ Gently pull down on the hood to confirm it's solidly mounted.
- ☐ Check that the hood is level front-to-back and side-to-side.

4. Connecting and Sealing the Duct

- ☐ Align the duct with the transition outlet and attach using short sheet-metal screws (no longer than 3/8").
- ☐ Seal all joints with aluminum foil tape or duct mastic to prevent air leaks.

- ☐ Ensure all duct sections are secure and straight before testing.



5. Exterior Termination

- ☐ Use a 3" x 10" wall cap (for rear exhaust) or a roof cap (for top exhaust) with an integrated backdraft flap and weather hood.
- ☐ Caulk and flash the exterior termination to prevent moisture intrusion.
- ☐ Check that the exterior damper flap opens freely and closes when not in use.

6. Verify Airflow

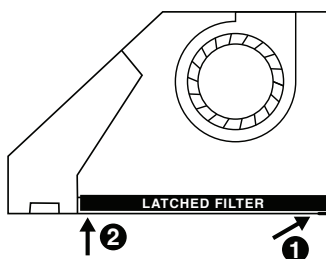
- ☐ After all connections are made:
- ☐ Power on the hood and verify strong airflow at the exterior vent.
- ☐ Listen for any rattling, restriction, or damper noise.
- ☐ Turn the power off and recheck all connections before moving on.

Filter Installation

WARNING: Baffle filter edges and channels may be sharp. Handle with care during installation or removal. Do not disassemble filters.

Baffle Filters with Latches

These models do not use grease trays. Each filter includes a latch mechanism for easy removal and secure placement. To install, **(1)** insert the rear edge of the filter into the back channel, **(2)** push the front edge of the filter upward until it snaps securely into place. To remove, lift the latch, gently pull the front edge down, and slide the filter out of the hood.



Final Steps

Before tightening everything down, make sure your hood is properly aligned.

Check that your hood is level

Use a level to check two things:

- First, place the level along the front of the hood to ensure it's horizontally level.
- Then, check the front-to-back alignment by placing the level along the side of the hood. If it's slightly off, you may need to use shims or spacers between the hood and the wall to correct the tilt.

Tighten all mounting screws

- Once everything is level, tighten the screws that secure the hood to the bracket.
- For extra support, you can add self-tapping or grabber screws through the mounting bracket into wall studs, or directly through the sides of the hood and into a cabinet or wall if needed.

That wraps up your wall range hood installation! Great work!

We are happy to help you with any questions or concerns you may have. Please create a ticket, email us at support@prolinerrangehoods.com or call our support line at (801) 973-3959 to talk to a live representative.

Maintenance

Your hood is equipped with stainless steel baffle filters, dishwasher safe and easy to remove for cleaning.

To Remove the Baffle Filters (Latch Version):

Lift the latch to release the front edge of the filter. Gently pull the filter downward to disengage it from the hood, then slide it out from the rear channel. Clean the filters as needed with warm, soapy water or in the dishwasher. Once dry, reinstall by inserting the rear edge into the back channel, then push the front edge upward until the latch snaps securely into place.

Handle with care. Filters may have sharp edges. Avoid bending or forcing them during removal or cleaning.

Latest Installation Manual

Stay Up to Date

We're always improving our installation guides to make them clearer and more accurate. Scan the QR code below to access our online installation guide portal, where you'll find the most current instructions for your Proline hood. This ensures you have the latest tips, diagrams, and updates—even if changes were made after your manual was printed.





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Call (801) 973-3959
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www.prolinerangehoods.com

Our Support team hours are:
Mon-Fri 8:30 am – 5:00 pm MST
