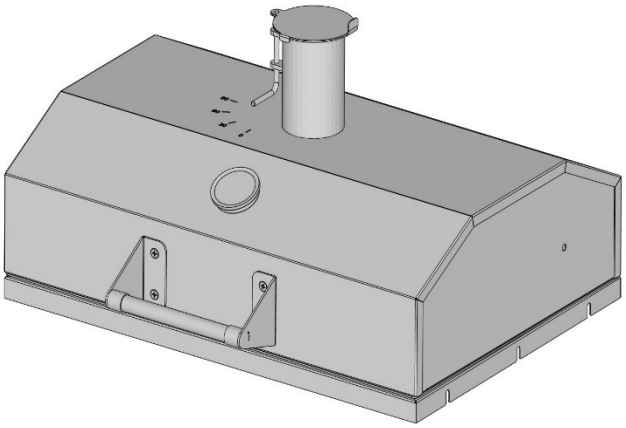

StarBBQ™ 24” Smoker Hood Rim

Item Number: STARBBQ-24HDRIM

Read all instructions before you operate your appliance. Save these instructions!

To installer or person assembling appliance: Leave this manual with appliance for future reference.
To consumer: Keep this manual for future reference.

www.SunstoneMP.com

Welcome & Congratulations

Congratulations on your purchase of your new **STARBBQ-24HDRIM** Smoker Hood Rim for either the charcoal Grill or Fire Pit Base by Sunstone Metal Products! We are extremely proud of this premium product, we are fully committed to providing you with the very best ownership experience possible. Your complete satisfaction is our #1 priority. Please take a few minutes to read this manual carefully. It contains all the information you need to safely assemble, use, and maintain your STARBBQ-24HDRIM 24" Smoker Hood for decades of unforgettable outdoor grilling moments.

This versatile Star BBQ Smoker Hood is specifically designed to work perfectly with the **STARBBQ-24CHBS** and **STARBBQ-24FPBS,** also compatible with other future StarBBQ grill models from Sunstone Metal Products.

Before You Call – Troubleshooting Checklist for STARBBQ-24HDRIM Hood Rim

- Is the **STARBBQ-24HDRIM** (or the complete assembly with **STARBBQ-24CHBS / STARBBQ-24FPBS**) placed on a level, stable, non-combustible surface (such as concrete, gravel, pavers, or approved outdoor grill pad)?
- Are all screws, nuts, and fasteners securely tightened (including hinge screws, handle/bracket screws, thermometer mounting hardware, support brackets, frame welds attachment points, and any other visible fasteners)?
- Have you removed any grease, food residue, ash, wood-chip debris, loose parts, or buildup from the interior grate, chimney interior, hood rim surfaces, thermometer area, and hinge/pivot points?
- Does the hood open and close smoothly without binding, sticking, or unusual resistance (check that hinges move freely, supports are properly aligned, and no debris is interfering with the lid motion or chimney assembly)?

SUNSTONE METAL PRODUCTS LLC.
16004 Central Commerce Dr, Pflugerville Texas 78660.

Business Hours.
Mon. to Thur. 9:00AM to 4:30PM
Closed Fri/Sat/Sun

Tel: 512-487-5116
Toll Free: 888-934-9449 (Technical Support Line)

Must keep copy of your sales slip for proof of purchase.

NAME_____ DATE OF PURCHASE _____

ADDRESS_____

MODEL NO_____INVOICE NO_____

COMPANY THAT YOU PURCHASED FROM _____

Discover the StarBBQ™ Product Line by Sunstone Metal Products

Explore the innovative **StarBBQ™** series, a premium collection of outdoor cooking solutions from Sunstone Metal Products. All StarBBQ™ products are proudly designed and engineered at our facility in North Austin, Texas. As a **PROUD TEXAS COMPANY**, we remain committed to delivering the highest quality in every product we create.

StarBBQ™ offers versatile options for campfire, cookouts, back packing, or backyard adventures which includes smokeless fire pits, portable charcoal grills, and innovative grill inserts—all built with durable materials for reliable performance.

Campfire-ready Steel Fold-Out Camper Griller Griddle Combo | **STARBBQ-FUFP**

Folding A-Frame Camper Charcoal Grill – Portable and Compact | **StarBBQ-AFCG**

Rocket Stove Camper Box – Military-Grade Ammo Can Portable Charcoal Stove | **STARBBQ-RSBBOX**

24" Smokeless Fire Pit. The Ultimate Versatile Outdoor Cooking Hub | **STARBBQ-24FPBS**

24" Charcoal Griller Base with Unlimited Versatility and Upgrades, like the Cart, Santa Maria, Hood for Smoking, Post-Griller | **STARBBQ-24CHBS**

Ultimate Charcoal Smoker, Griller & Pizza Oven. This Combo Grill is a true – All-in-One | **STARBBQ-34SMK**

INDEX DIRECTORY

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PACKAGE CONTENTS

- STARBBQ-24HDRIM Stainless Steel Hood Rim Assembly (complete with integrated chimney, built-in thermometer, handle, hinges, supports, insulation net, and internal grate)
- This Manual / Installation Guide

PRE-PLACEMENT CUSTOMER CHECKLIST

Before beginning assembly, confirm that all items below are completed. Proper preparation ensures stability, safe operation, and reliable smoking performance with the **STARBBQ-24HDRIM** smoker hood rim.

☐ Location & Safety Clearance Choose an outdoor location that maintains a minimum 10 ft (3 m) clearance from all buildings, overhangs, tree branches, fences, decks, vinyl siding, and other combustible materials (refer to the Safety section and local fire codes; adjust for any manufacturer-specific guidance if provided).

☐ Local Regulations Verified Confirm compliance with all local fire codes, burn regulations, permits, outdoor cooking restrictions, and any air-quality or smoke ordinances applicable in your area.

☐ Ground Surface Prepared Verify the assembly and usage surface for the base (STARBBQ-24CHBS charcoal griller or STARBBQ-24FPBS fire pit) is level, stable, and non-combustible, such as a concrete patio, gravel base, or paver area.

☐ Ventilation & Stability Planned (Required) Plan for proper airflow around the entire unit; ensure the chimney cap is adjustable for smoke control, vents/base openings remain unobstructed, and the hood rim sits evenly on the base without rocking to prevent tipping or instability.

☐ Accessories Ready (If Purchased) Ensure any optional base accessories (e.g., side shelves on charcoal griller base) are compatible and ready for attachment before mounting the hood.

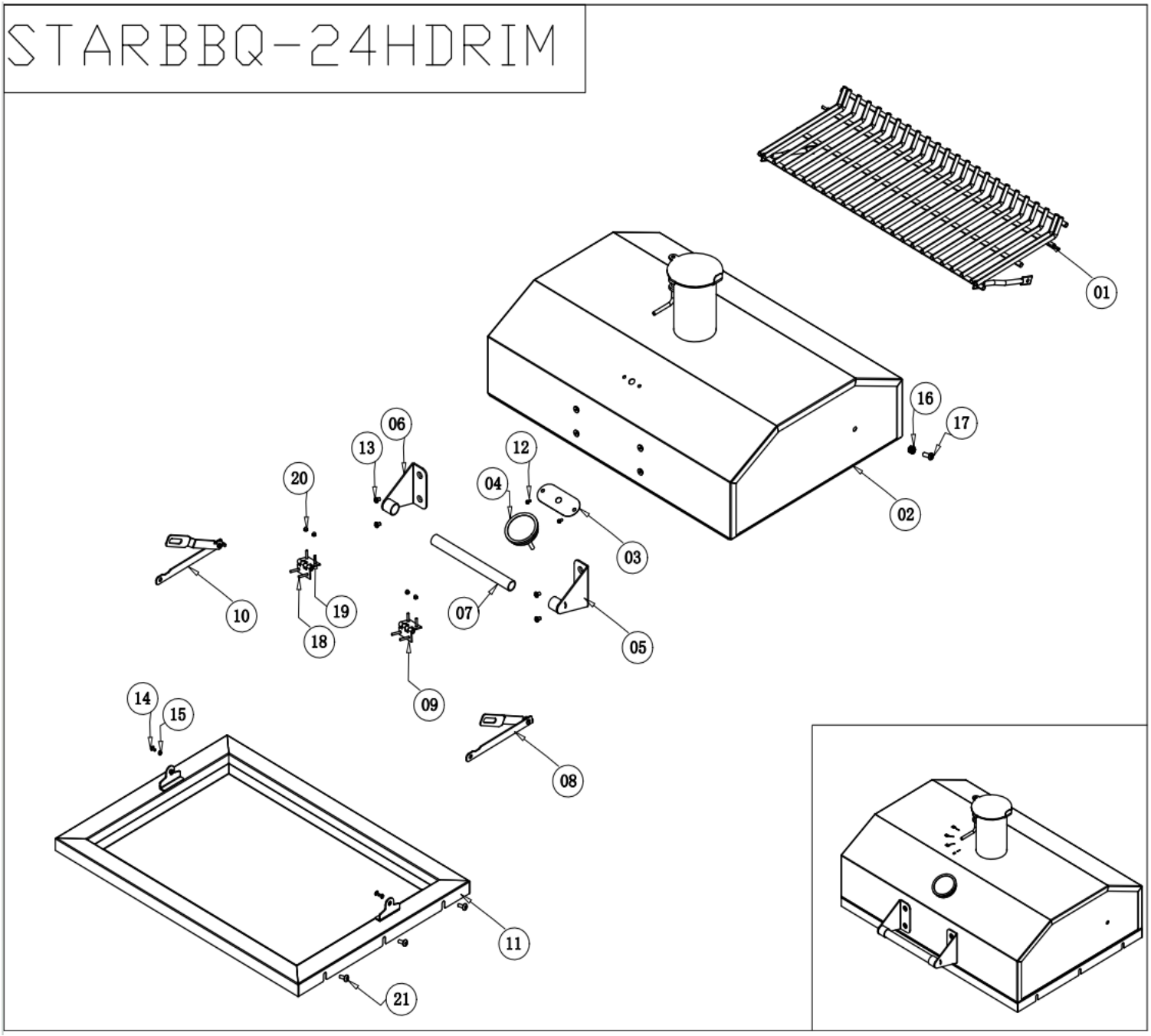
☐ Surface Suitability Verified (Critical) Confirm that the base top edge and ground surface are flat, clean, and non-rough for secure hood rim placement, even heat distribution, and to avoid scratches or wobbling.

☐ Safety Gear Ready Have proper safety equipment available, including work gloves and safety glasses; use two people for lifting heavier parts like the upper lid assembly.

☐ Fire Safety Equipment Available Ensure a garden hose, bucket of water, Class B or ABC fire extinguisher, or other appropriate fire suppression will be within immediate reach of the final unit location.

Refer to the exploded diagram and assembly steps (e.g., handle installation with 4× M6×12 stainless steel screws) for visual confirmation of parts (items 1–12). Once checklist items are checked, proceed with assembly on a flat, clean surface using a Phillips screwdriver. Always follow standard charcoal/fire pit safety practices when lighting or using the completed unit. Enjoy your STAR★BBQ!

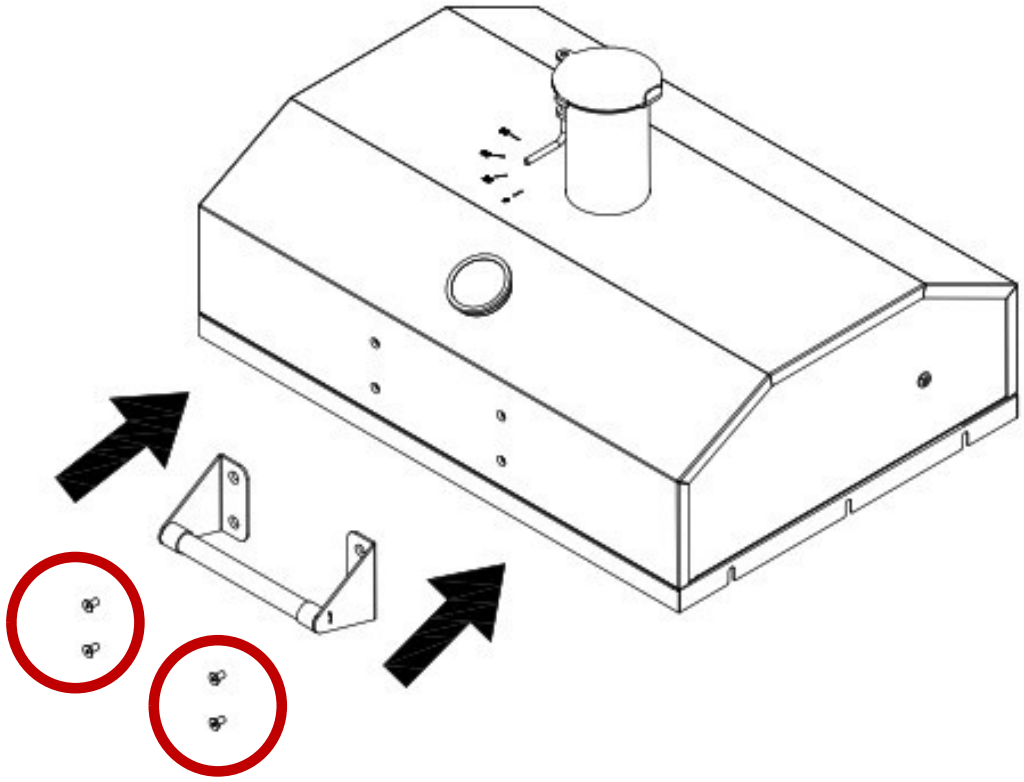
SMOKER HOOD – PARTS LIST



SMOKER HOOD – PARTS LIST

Item No.	Part Number	Description	Quantity
1	STAR-24HDRIM-H005-GDX01	Stainless Steel Warming Rack Assembly	1
2	STAR-24HDRIM-Z002X01	Upper Hood Cover Assembly	1
3	C3SL42-006-B008X01	Temperature Gauge Mounting Plate	1
4	RUBY3B-W009X01	Metal Temperature Gauge	1
5	STAR-24HDRIM-H004X01	Right Handle Bracket – Welded	1
6	STAR-24HDRIM-H003X01	Left Handle Bracket – Welded	1
7	STAR-24HDRIM-BW005-GDX01	Handle Pull Tube	1
8	STAR-24HDRIM-Z004X01	Right Support Bracket Assembly	1
9	STAR-24HDRIM-04X01	Stainless Steel Hinge Assembly	2
10	STAR-24HDRIM-Z003X01	Left Support Bracket Assembly	1
11	STAR-24HDRIM-H006X01	Welded Rim Frame Assembly	1
12	PBH-04007-010-304	304 Stainless Steel Phillips Truss Head Screw	2
13	PFH-06010-012-304	304 Stainless Steel Phillips Countersunk Screw	4
14	PD-04007-0915-304	304 Stainless Steel Flat Washer	2
15	PBH-04007-008-304	304 Stainless Steel Phillips Truss Head Screw	2
16	KXM-08125-304	304 Stainless Steel K-Type Nut	2
17	KPL-08125-020-304	Stainless Steel Hollow Flat Head Socket Cap Screw	2
18	PFH-04007-025-304	304 Stainless Steel Phillips Countersunk Screw	4
19	PFH-04007-020-304	304 Stainless Steel Phillips Countersunk Screw	4
20	GXM-04007-304	304 Stainless Steel Cap Nut	4
21	PBH-06010-020-304	304 Stainless Steel Phillips Truss Head Screw	6

STARBBQ-24HDRIM



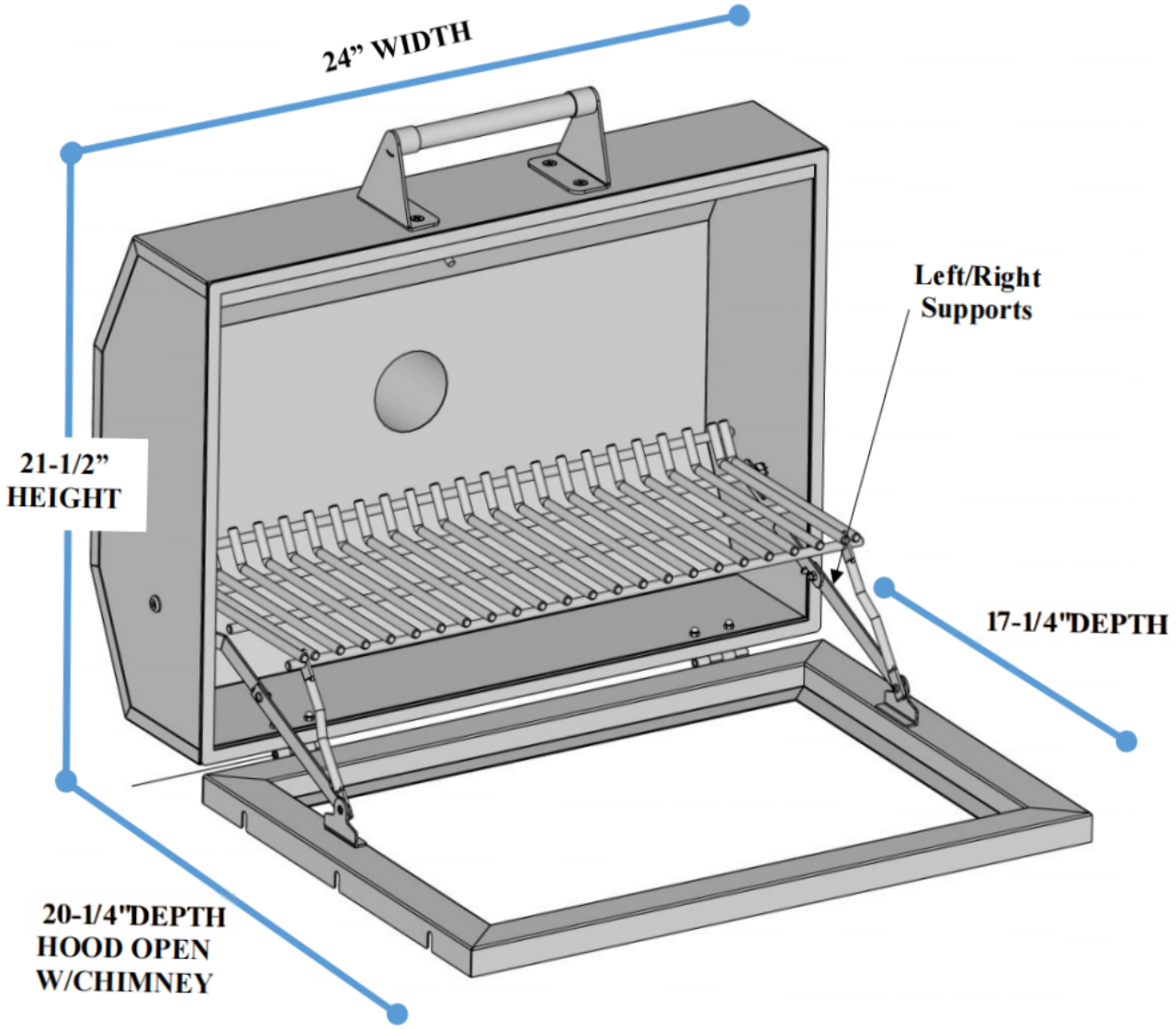
Assembly Instructions for Handles

The STARBBQ-24HDRIM includes one primary hood/lid handle (the horizontal tube on top of the lid) and pre-welded left/right handle brackets on the lid itself. The left and right brackets are already welded in place on the upper lid assembly during manufacturing-no assembly is required for them. The only handle assembly required is attaching the lid handle tube to these pre-welded brackets.

Lid Handle (Hood Handle) Assembly – Step-by-Step

1. Locate the upper lid assembly. The left and right handle brackets are already welded onto the top surface of the lid.
2. Position the lid handle tube so that each end aligns with the holes in the left and right brackets.
3. Insert one 304 stainless steel Phillip's head screw (M6×12) through each of the four holes (two per bracket).
4. Tighten all four screws securely using a screwdriver. Ensure the handle is straight and firmly attached with no wobble.

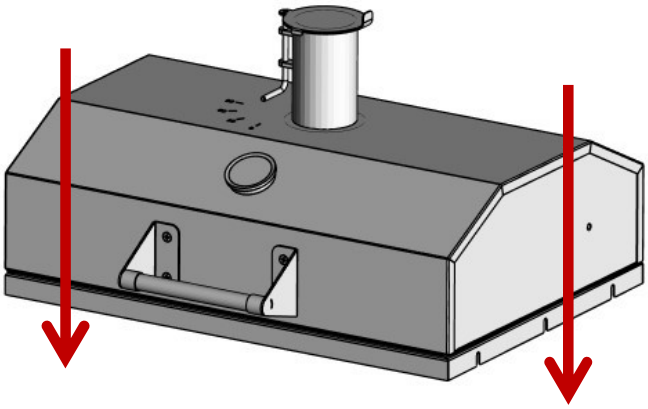
SMOKER HOOD – DIMENSIONS

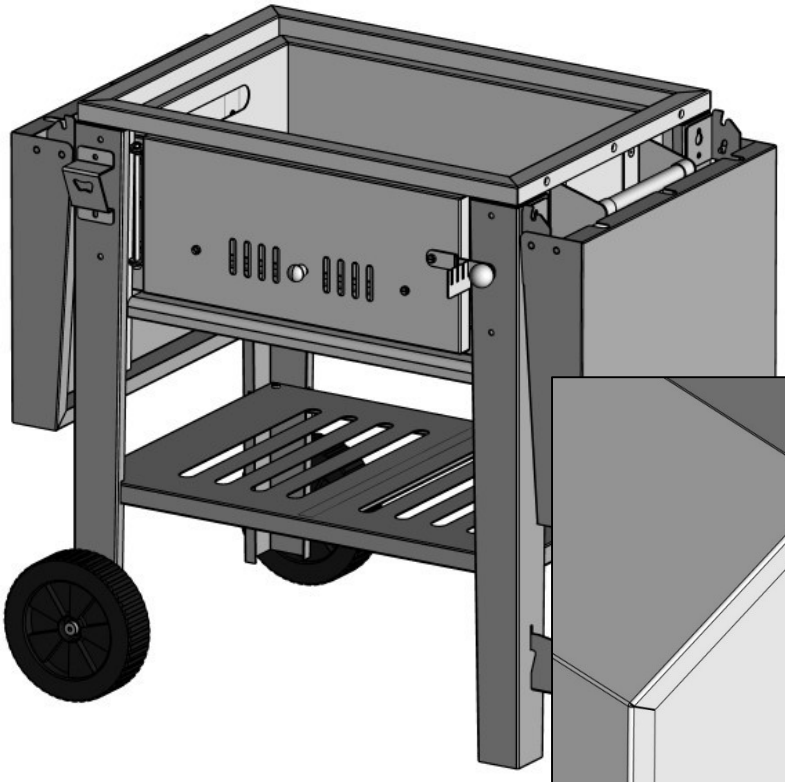


Note on Left and Right Supports The left and right support assemblies are part of the lid support mechanism (often used to prop or control the lid opening angle). If they are not pre-attached, they connect via the stainless steel hinges to the upper lid assembly and rim frame. In most cases, this is pre-assembled—only verify alignment and tighten any factory fasteners if loose.

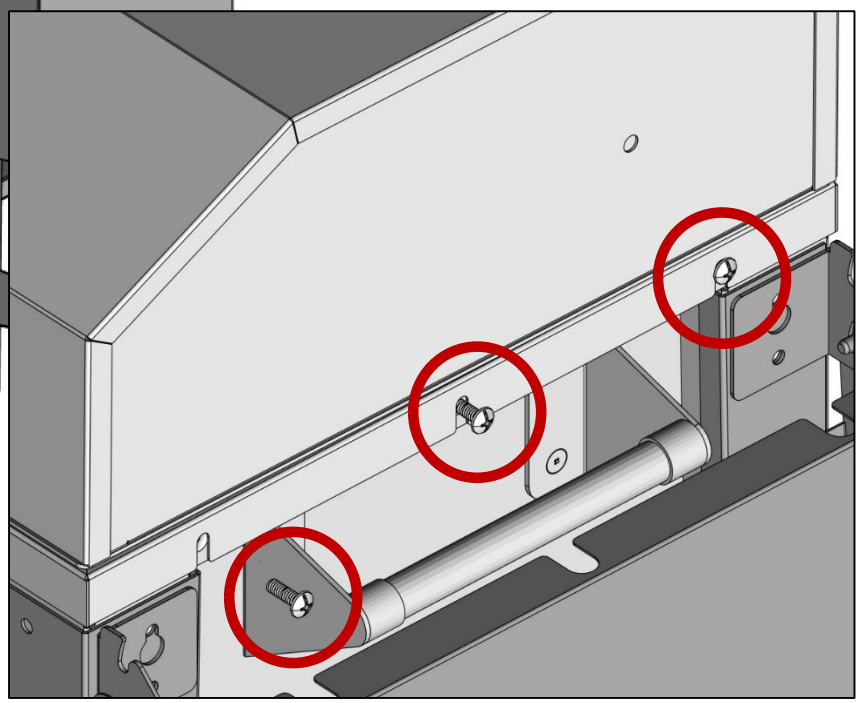
Mounting the STARBBQ-24HDRIM Hood Rim to the Base

The **STARBBQ-24HDRIM** 24" Smoker Hood Rim is designed to sit directly on top of either the **STARBBQ-24CHBS** 24" Charcoal Griller Base or the **STARBBQ-24FPBS** 24" Fire Pit Base.





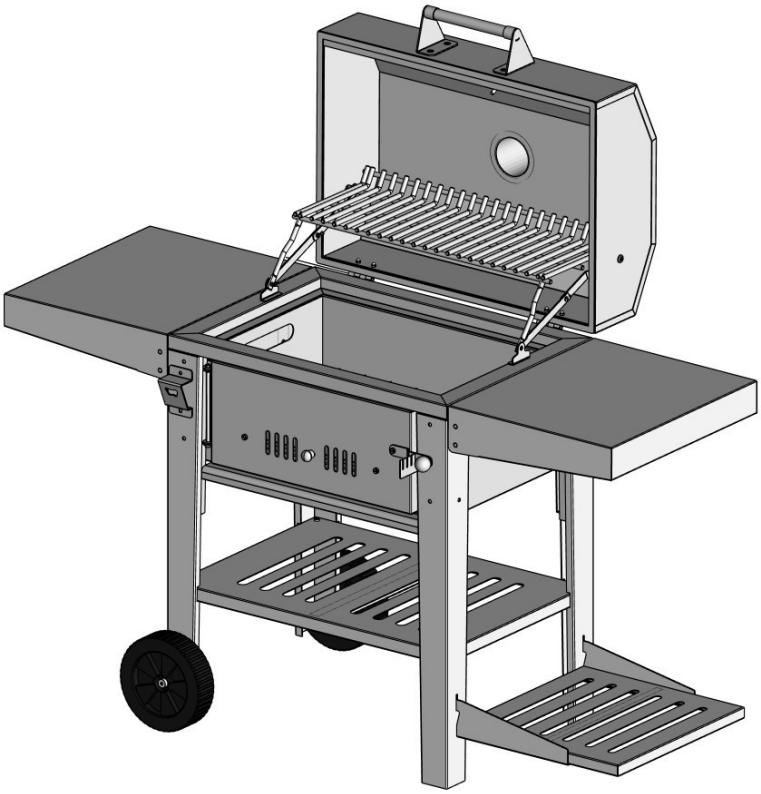
1. Ensure the base (charcoal griller or fire pit) is placed on a stable, level, heat-resistant surface.
2. Align the rim frame weldment of the hood with the top opening/ledge of the base. The rim is shaped to nest securely on the base edge.
3. Carefully lower the hood rim straight down onto the base until it is fully seated and stable.
4. Verify that the hood sits evenly and does not rock. The chimney, thermometer, and lid should all be accessible and functional.
5. Using a Philips head screw driver secure hood to base using the Large Screws provided.



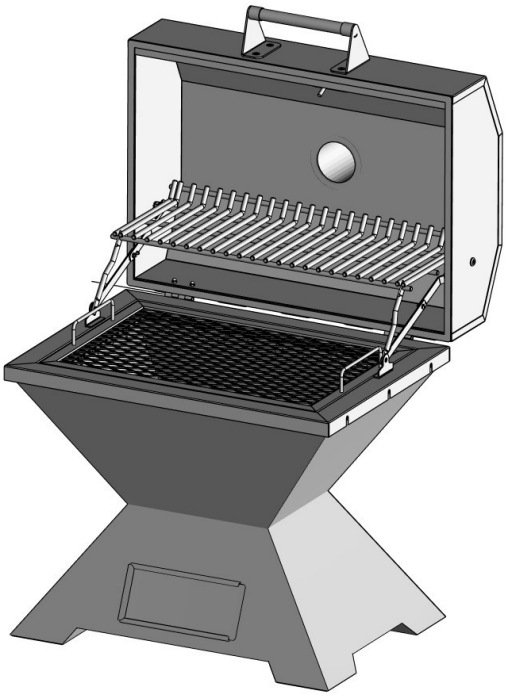
6. Be sure the hood is securely connected to the base, as when hood is opened the weight will pull the hood off the charcoal or fire pit base platform.

SMOKER HOOD – INSTALLATION

Mount on the **STARBBQ-24CHBS** with **STAR-BBQ24CART** or standalone



Mount on the **STARBBQ-24FPBS** as a standalone fire pit base



Once mounted, the hood is ready for use as a smoker hood on the charcoal griller base or as a covered fire pit on the fire pit base. Always follow standard BBQ safety practices when lighting or using the unit. Enjoy your ST★R BBQ!

TROUBLESHOOTING GUIDE

Quick fixes for the most common hood-specific issues. Check these before contacting support.

Q. Hood feels unstable or wobbles during use or when mounted

- Hood not on level surface → Reposition base and hood on flat, stable, non-combustible ground (concrete, gravel, pavers)
- Loose hardware → Check and tighten all screws (stainless steel cross-recessed countersunk screws #12)
- Rim frame misaligned or loose → Inspect rim frame weldment (#11) and ensure it is fully seated evenly on the base (STARBBQ-24CHBS or STARBBQ-24FPBS)
- Uneven weight distribution → Center the hood directly over the base opening without overhang

Q. Lid opens/closes poorly, binds, or squeaks

- Debris stuck in hinge area → Clean hinges (#10), right/left support assemblies (#8 & #9), and surrounding hardware
- Loose hinge components → Tighten any visible fasteners on hinges (#10) while holding with a screwdriver → Ensure supports (#8 & #9) are secure
- Lack of lubrication → Apply light silicone or lubricant to hinge pivots (use sparingly)
- Supports worn or misaligned → Verify right/left support assemblies (#8 & #9) are properly attached to the upper lid assembly (#2) and rim frame (#11)

Q. Hood tips or leans to one side when mounted

- Supports not parallel or level → Confirm right support assembly (#8) and left support assembly (#9) are vertical and aligned
- Rim frame misaligned → Recheck attachment of rim frame weldment (#11) to the base → Ensure even seating around the entire edge
- Hinges not installed evenly → Verify both stainless steel hinges (#10) are attached symmetrically to the upper lid assembly (#2)

Q. Handle feels loose or rattles

- Screws not fully tightened → Retighten stainless steel cross-recessed countersunk screws (#12) on the lid handle tube (#7)
- Incorrect screw placement → Confirm hardware matches exploded diagrams (e.g., 4 screws total for handle attachment, 2 per bracket)
- Parts not seated properly → Disassemble and realign lid handle tube (#7) with right/left lid handle brackets (#5 & #6) → Re-secure all fasteners

Next Steps if Problem Persists

- Verify full assembly matches the exploded views (aligned supports #8 & #9, secure upper lid assembly #2, handle properly mounted with brackets #5 & #6)
- Take clear photos of the issue and assembly
- Contact Sunstone Metal Products support for assistance

Refer to the attached exploded diagrams for part locations and correct hardware placement.

STARBBQ-24HDRIM WARRANTY

ATTENTION: The Grill Smoker Hood must be assembled/used according to the product manual. If you are using the grill cart in any way which does not meet the manual requirements. **ALL WARRANTIES MAY BE VOID**.

SUNSTONE STARBBQ™ 24" SMOKER HOOD RIM WARRANTY All Warranties Begin on Date of Purchase

LIMITED 5-YEAR WARRANTY Sunstone Metal Products warrants the frame, and structural failure for five (5) years from the date of purchase when used in normal residential outdoor settings. This warranty covers defects in material and workmanship under proper use and maintenance.

LIMITATIONS & EXCLUSIONS

1. This warranty applies only to the original purchaser and is non-transferable.
2. Warranty is in lieu of all other warranties, expressed or implied.
3. Warranty is void if damage results from misuse, abuse, accident, alteration, improper installation, use of prohibited fuels, or failure to follow this manual.
4. Normal cosmetic wear including heat-induced discoloration of the powder-coat finish, minor surface scratches, or fading from prolonged sun exposure is not covered.
5. Sunstone is not responsible for damage caused by acts of nature, fire outside the base, or use in commercial/public settings.
6. Sunstone shall not be liable for incidental, consequential, special, or contingent damages. Some states do not allow the exclusion of consequential damages, so this limitation may not apply to you.
7. No person or dealer has authority to modify or extend this warranty.

WHAT IS NOT COVERED

- Normal heat tint, discoloration, or fading of powder-coat finish
- Damage from using accelerants, wet/untreated wood, or overloading
- Labor, shipping, or travel charges
- Service calls for issues caused by improper installation or use
- Damage from failure to cover when not in use (water accumulation, freeze damage, etc.)
- Customer-supplied materials or any third-party items
- Commercial or rental use

HOW TO OBTAIN WARRANTY SERVICE Contact Sunstone Metal Products directly: Address: 16004 Central Commerce Dr., Pflugerville, TX 78660 Phone: 888-934-9449 (M–Thur. 9 am-4 pm CST) Email: support@sunstonemp.com Web: sunstonemp.com

Please have your model (STARBBQ-24HDRIM), proof of purchase, and clear photos ready. Our Texas-based team will handle your claim quickly and professionally.