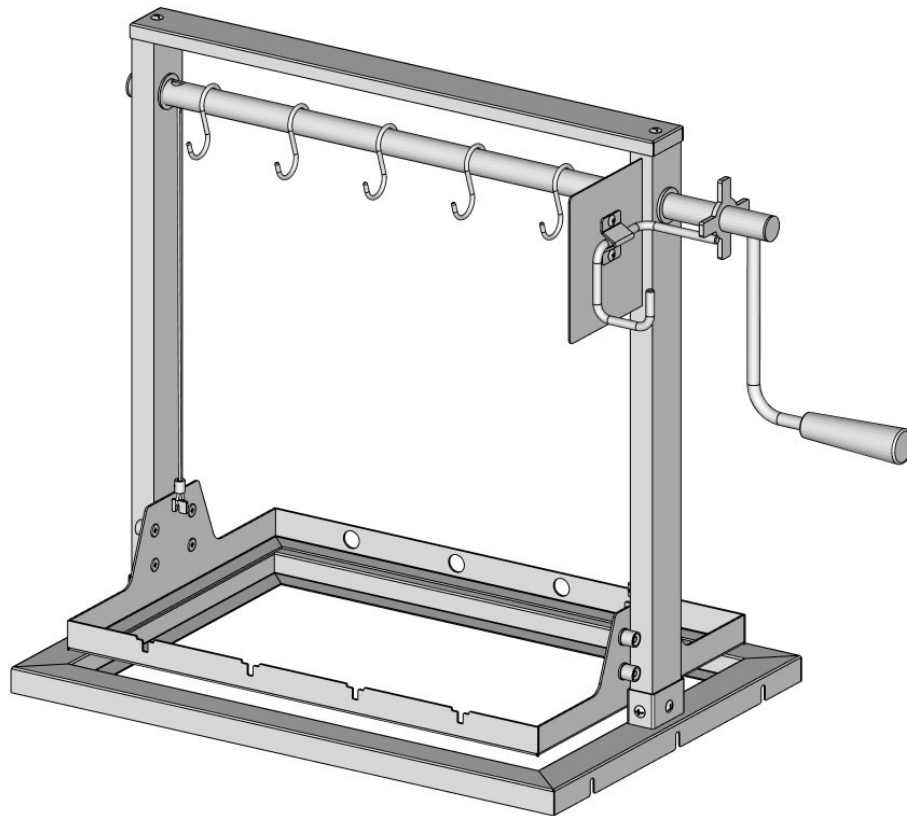




StarBBQ™ 24" Santa Maria Rim

Item Number: STARBBQ-24SMGRIM

**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 the new **STARBBQ-24SMGRIM** Santa Maria Rim for either the charcoal Grill or Fire Pit Base by Sunstone Metal Products! We are extremely proud of this premium, heavy-duty steel product and 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-24SMGRIM** for decades of stable mobility, and supporting unforgettable outdoor grilling moments.

This versatile Star BBQ Santa Maria Rim 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 – STARBBQ-24SMGRIM Santa Maria Grill Lift

- Is the entire unit (base + lift assembly) sitting on a level, stable, non-combustible surface? (concrete, gravel, pavers, etc.)
- Are all screws and nuts fully tightened? (especially the main mounting screws on the uprights, top plate, stop plate, and handle pin)
- Have you cleaned out any grease, dirt, debris, or loose bits from the bearings, wire ropes, crank tube, upright channels, and grate frame?
- Does the crank handle turn smoothly with no binding, sticking, or unusual resistance? (check bearings, wire rope paths, and stop/ratchet engagement)
- Is the base grill (or fire pit) centered directly under the lift frame with even weight distribution and no shifting or overhang?

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, camping, and backyard adventures, including smokeless fire pits, portable charcoal grills, and innovative grill inserts—all built with durable materials for reliable performance.



Heavy-Duty 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-RSBOX**



24" Smokeless Fire Pit Base Platform – Ultimate Versatile Outdoor Cooking Hub | **STARBBQ-24FPBS**



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



Ultimate Charcoal Smoker & Pizza Oven Combo Grill Cart – All-in-One | **STARBBQ-34SMK**

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PACKAGE CONTENTS

- 24" Steel Powder Coated Charcoal Griller base platform
- This manual

Before beginning assembly, confirm that all items below are completed. Proper preparation ensures stability, safe operation, and reliable performance with the **STARBBQ-24SMGRIM** adjustable grate lift system when mounted on a compatible base (such as **STARBBQ-24CHBS** charcoal griller or **STARBBQ-24FPBS** fire pit).

☐ **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 local fire codes and any manufacturer-specific guidance for outdoor grilling setups.

☐ **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 is level, stable, and non-combustible (e.g., concrete patio, gravel base, or paver area) to prevent rocking or tipping during use.

☐ **Ventilation & Stability Planned:** Plan for proper airflow around the entire unit. Ensure the base openings remain unobstructed, the lift assembly sits evenly on the base without rocking, and the mechanism allows smooth grate movement for even heat distribution and safe fire management.

☐ **Surface Suitability Verified:** Inspect the base top edge and surrounding area to ensure it is flat, clean, and free of debris or rough spots for secure placement of the lift uprights and frame weldment, promoting even weight distribution and avoiding scratches or wobbling.

☐ **Safety Gear Ready:** Have proper safety equipment available, including work gloves (to handle sharp edges or metal parts) and safety glasses. Use two people for lifting heavier components like the Frame Weldment or assembled uprights.

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

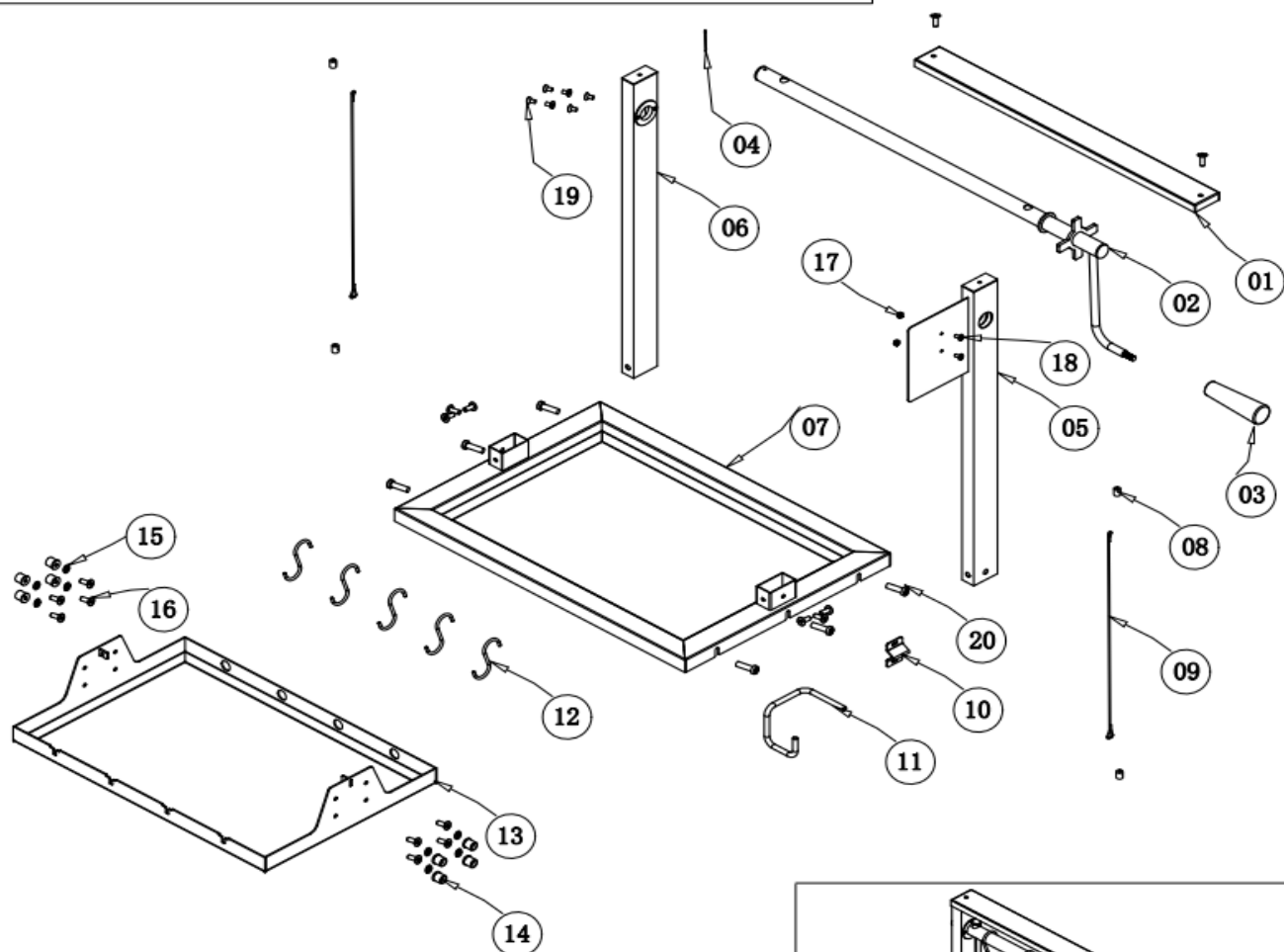
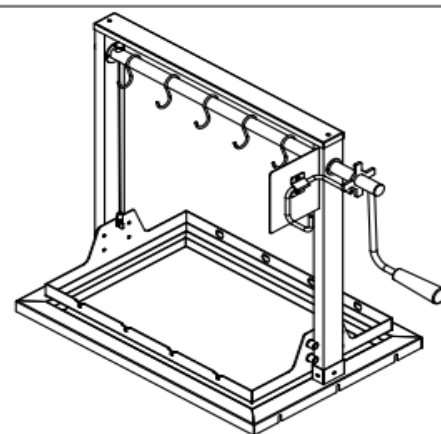
☐ **Parts Inventory Confirmed:** Verify all parts from the exploded diagram are present and undamaged (refer to the provided assembly views and parts list):

- Decorative Top Plate (Item 1)
- Upper Lift Tube Weldment (Item 2)
- Bakelite Handle (Item 3)
- 304 Stainless Steel Split Pin (Item 4)
- Square Tube Weldment (left, Item 5)
- Square Tube Weldment A (right, Item 6)
- Frame Weldment (Item 7)
- Cylindrical Double Hole Wire Clamps (Item 8, qty 4)
- 304 Stainless Steel Wire Ropes (Item 9, qty 2)
- Round Steel Stop Plate (Item 10)
- Round Steel Stop Plate Handle (Item 11)
- Round Steel Hooks (Item 12, qty 5)
- Bottom Lift Tube Weldment (Item 13)
- Self-Lubricating Bearings (Item 14, qty 8)
- 304 Stainless Steel Phillips Flat Head Machine Screws M6x16 (Item 15, qty 16)
- 304 Stainless Steel Flat Washers M6x12x1.0 (Item 16, qty 8)
- 301 Stainless Steel Phillips Large Flat Head Screws M4x10 (Item 17, qty 2)
- 304 Stainless Steel Wing Nuts M4 (Item 18, qty 2)

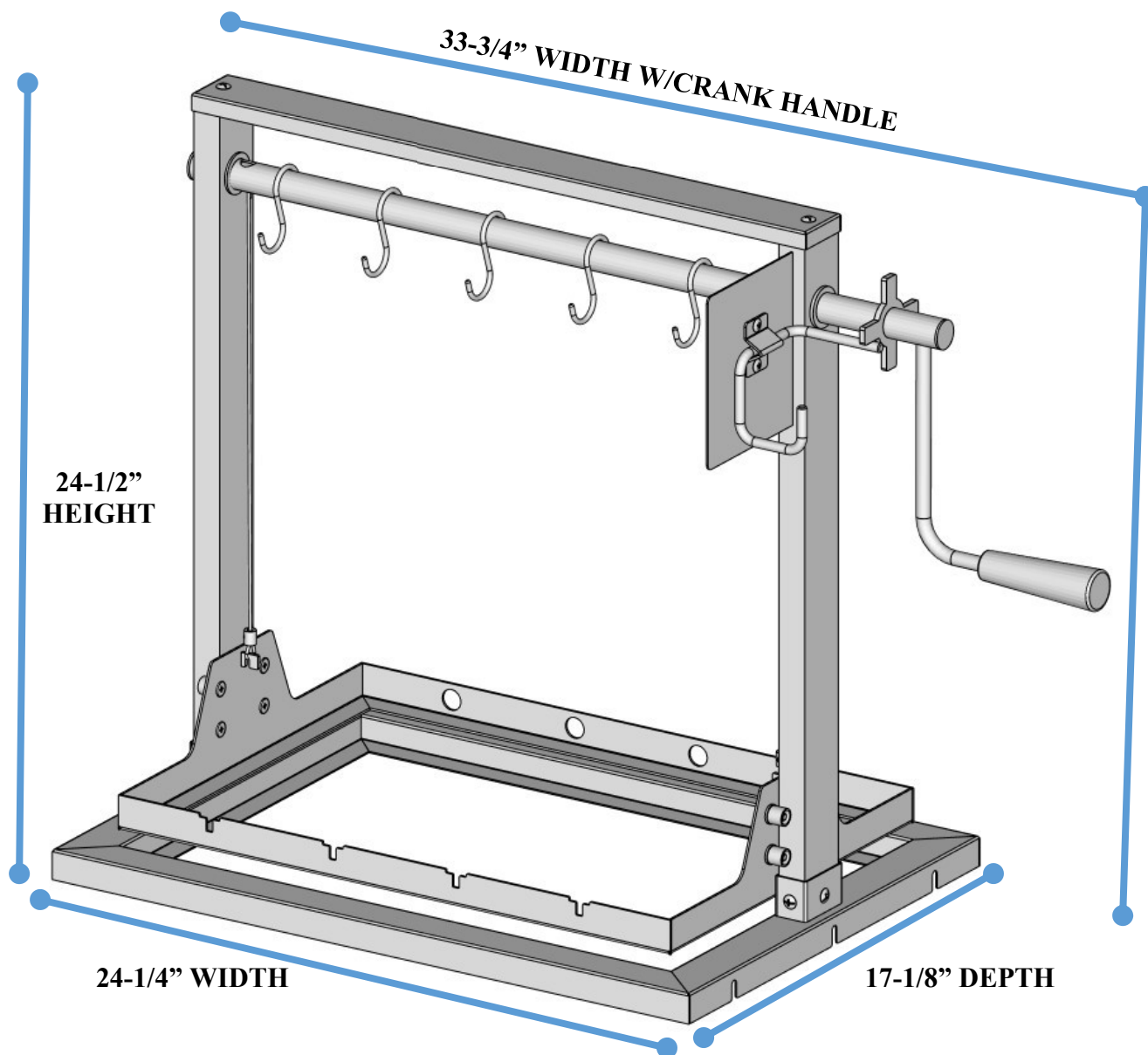
Once all checklist items are checked, proceed with assembly on a flat, clean surface using a Phillips-head screwdriver or drill with Phillips bit (and adjustable wrench if needed). Follow the step-by-step assembly instructions provided in the diagrams. Always adhere to standard charcoal/fire pit safety practices when lighting or using the completed unit.

Enjoy your **STARBBQ-24SMGRIM** Santa Maria grill lift!

STARBBQ-24SMGRIM

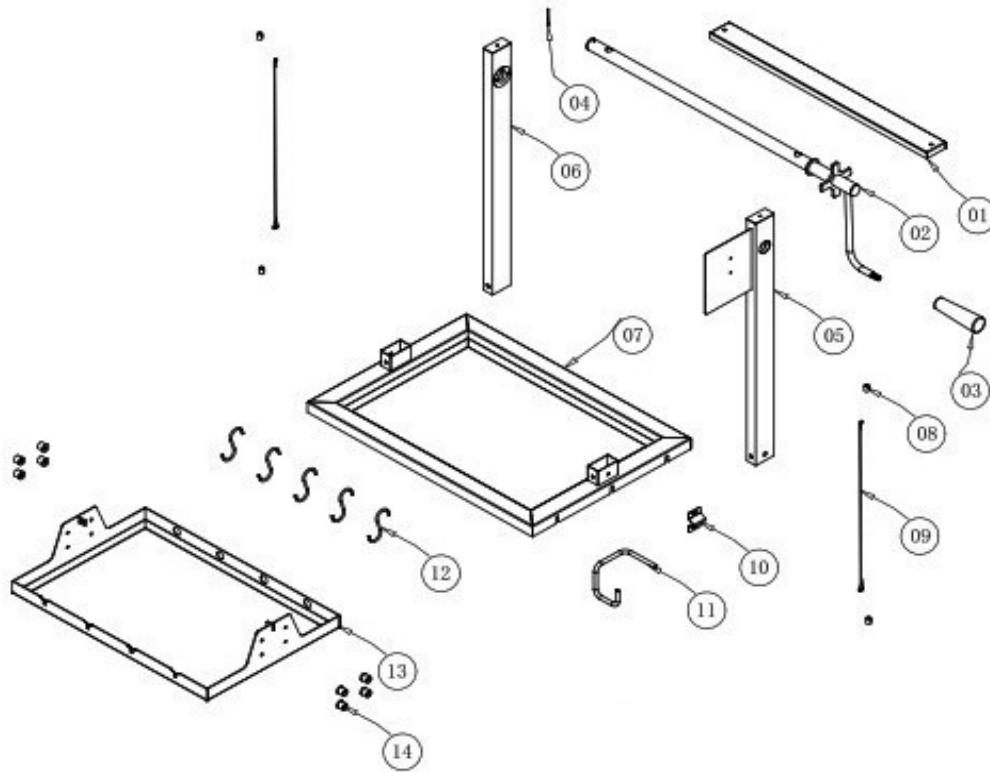


Item No.	Part Number	Description	Quantity
1	STAR-24SMGRIM-B005X01	Decorative Top Plate	1
2	STAR-24SMGRIM-H006X01	Upper Lift Tube Weldment (crank bar)	1
3	STAR-24SMGRIM-12X01	Bakelite Handle	1
4	STAR-24SMGRIM-W012X01	304 Stainless Steel Split Pin	1
5	STAR-24SMGRIM-H003X01	Square Tube Weldment (left upright)	1
6	STAR-24SMGRIM-H004X01	Square Tube Weldment A (right upright)	1
7	STAR-24SMGRIM-H002X01	Frame Weldment (adjustable grate support)	1
8	STAR-24SMGRIM-W010X01	Cylindrical Double Hole Wire Clamp	4
9	STAR-24SMGRIM-W005X02	304 Stainless Steel Wire Rope	2
10	STAR-24SMGRIM-B013X01	Round Steel Stop Plate	1
11	STAR-24SMGRIM-BW005-GDX01	Round Steel Stop Plate Handle	1
12	SUNPLT34-W010X01	Round Steel Hook	5
13	STAR-24SMGRIM-H005X01	Bottom Lift Tube Weldment (grate attachment bar)	1
14	STAR-24SMGRIM-BW008X01	Self-Lubricating Bearing	8
15	PD-06010-1210-304	304 Stainless Steel Flat Washer	8
16	PSH-06010-016-304	304 Phillips Flat Head Machine Screw	16
18	KXM-04007-304	304 Stainless Steel K-Type Nut	2
17	PBH-04007-010-304	304 Stainless Steel Phillips Truss Head Screw	2
19	PFH-04007-010-304-T	304 Stainless Steel Phillips Countersunk Screw (Special Head)	6
20	PBH-06010-020-304	304 Stainless Steel Phillips Truss Head Screw	6



This adjustable lift assembly features a sturdy frame with a crank mechanism for raising/lowering the grill grate, a top rod with multiple hooks, and a rectangular base designed for stability on Santa Maria-style grills. All measurements are as shown in the product illustration above.

- **Overall Height:** 24-1/2 inches
- **Base Width:** 24 inches
- **Base Depth:** 17-1/4 inches
- **Width including Crank Handle:** 33-3/4 inches



Assembly Process Summary

The assembly is divided into four main steps, as illustrated in the provided diagrams:

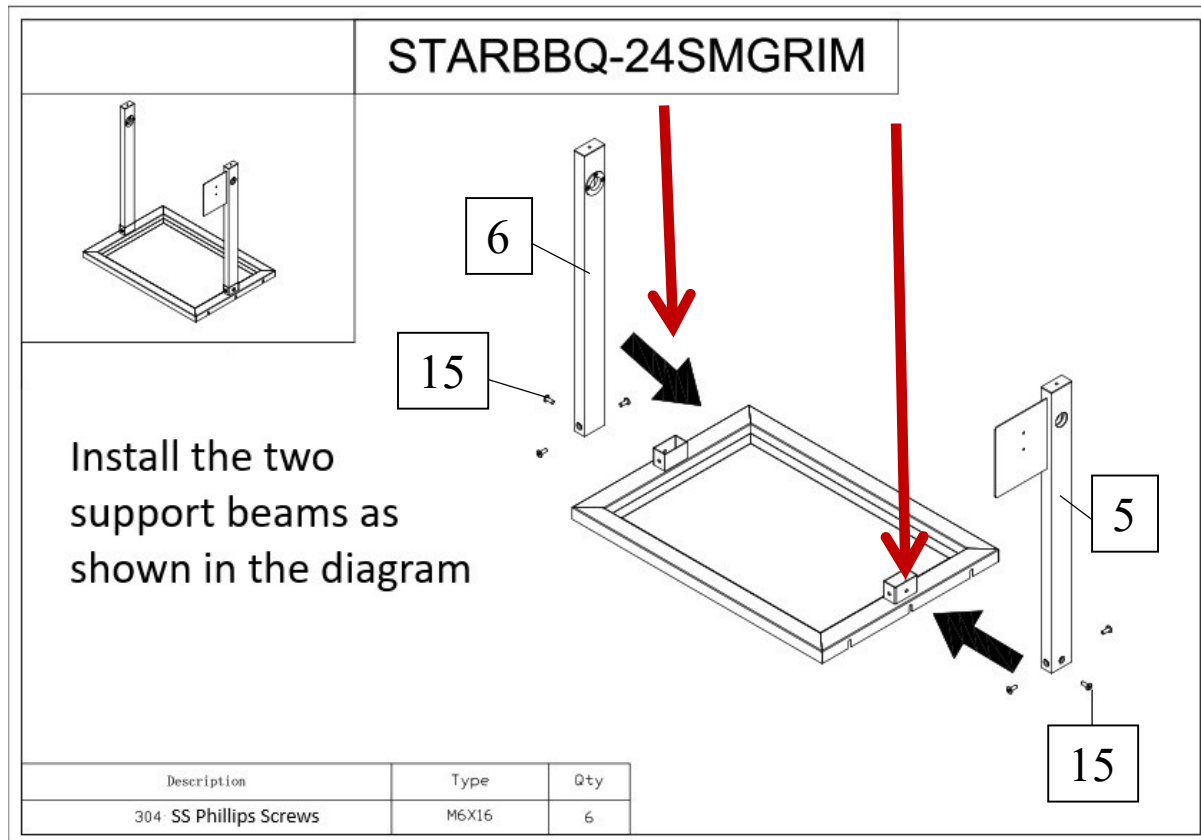
1. **Mount the Support Uprights:** Secure the left and right square tube uprights (Items 5 and 6) to the grill base using 6 M6x16 screws (Item 15). This forms the vertical frame for the lift system.
2. **Install Bearings, Lift Frame, and Top Plate:** Insert 8 self-lubricating bearings (Item 14) into the uprights for smooth movement. Slide the frame weldment (Item 7) into place between the uprights, then attach the decorative top plate (Item 1) with 10 M6x16 screws (Item 15) and 8 flat washers (Item 16).
3. **Assemble the Lift Tube and Wire Ropes:** Insert the upper lift tube (Item 2) through the top of the uprights and secure the bakelite handle (Item 3) with the split pin (Item 4). Thread the two wire ropes (Item 9) through the tube, securing them to the frame weldment using wire clamps (Item 8). If applicable, integrate the bottom lift tube (Item 13) for additional support.
4. **Add Stop Plate and Hooks:** Attach the round steel stop plate and handle (Items 10 and 11) to one upright using 2 M4x10 screws (Item 17) and wing nuts (Item 18), shown in later steps. This acts as a ratchet to lock the grate height. Finally, clip the 5 hooks (Item 12) to the frame for hanging accessories or meat.

Final Checks and Tips

After assembly, verify all fasteners are tight, the mechanism operates smoothly without binding, and the grate raises/lowers evenly. Test unloaded first. Safety notes: Wear gloves to avoid sharp edges, and ensure the grill is on a stable surface. This lift enhances grilling precision, but always monitor fire and heat levels during use. If parts are missing or damaged, contact the manufacturer using the model number **STARBBQ-24SMGRIM**.

Mounting the STARBBQ-24SMGRIM Santa Maria to the Base

The **STARBBQ-24SMGRIM** 24" Santa Maria 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.



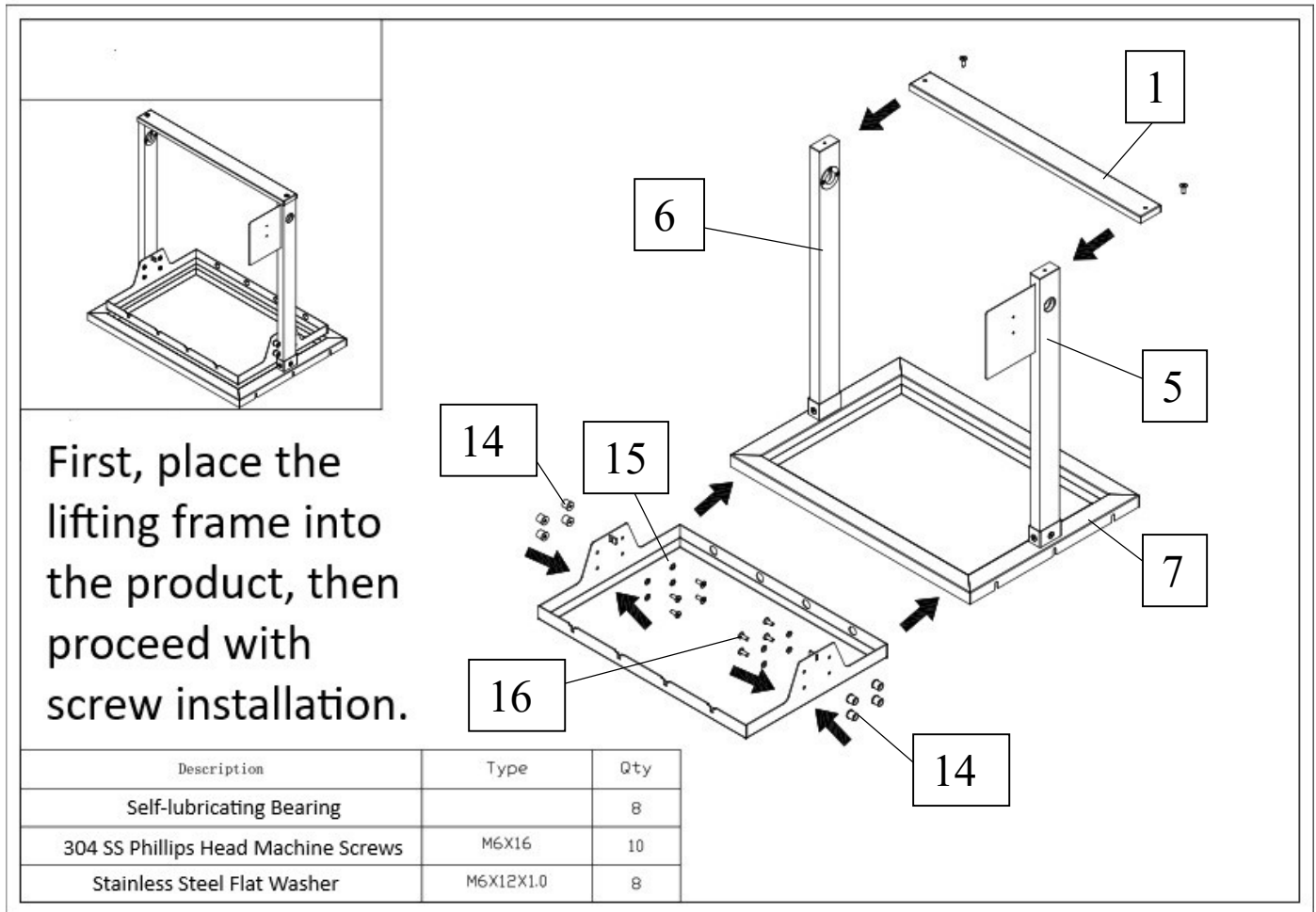
Assembly Steps

1. Install the support uprights.

Position the Square Tube Weldment (left upright, Item 5) and Square Tube Weldment A (right upright, Item 6) into the designated slots on the sides of the grill base.

Secure each upright using 3 of the 304 Stainless Steel Phillips Flat Head Machine Screws M6x16 (Item 15, total 6 screws for both uprights).

Tighten the screws firmly with a Phillips-head screwdriver or drill to ensure the uprights are stable and aligned vertically.



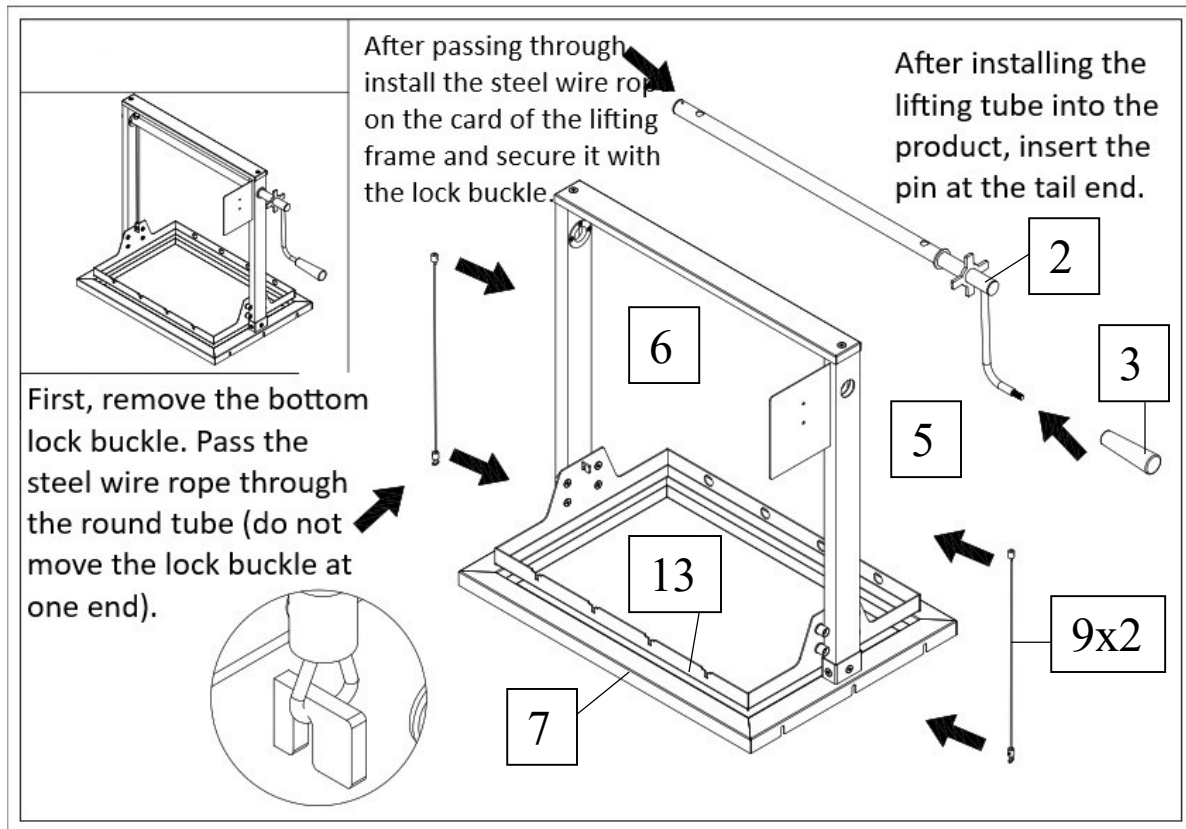
2. Install the self-lubricating bearings and lift frame.

Insert the Self-Lubricating Bearings (Item 14, all 8) into the pre-drilled holes at the top and bottom sections of the Square Tube Weldment (Item 5) and Square Tube Weldment A (Item 6)—typically 4 per upright. These bearings provide smooth guidance for the lift mechanism.

Next, lower the Frame Weldment (Item 7), the adjustable grate support, into the channel between the uprights. Ensure it slides freely along the bearings without any resistance.

Place the Decorative Top Plate (Item 1) on top of the uprights, aligning all holes. Secure the top plate using 10 of the 304 Stainless Steel Phillips Flat Head Machine Screws M6x16 (Item 15) and 8 of the 304 Stainless Steel Flat Washers M6x12x1.0 (Item 16).

The washers help distribute pressure and prevent component damage. Tighten all screws evenly to maintain proper alignment.



3. Install the lift tube and thread the wire ropes.

Insert the Upper Lift Tube Weldment (crank bar, Item 2) through the aligned holes at the top of the uprights (Items 5 and 6), ensuring it rotates smoothly.

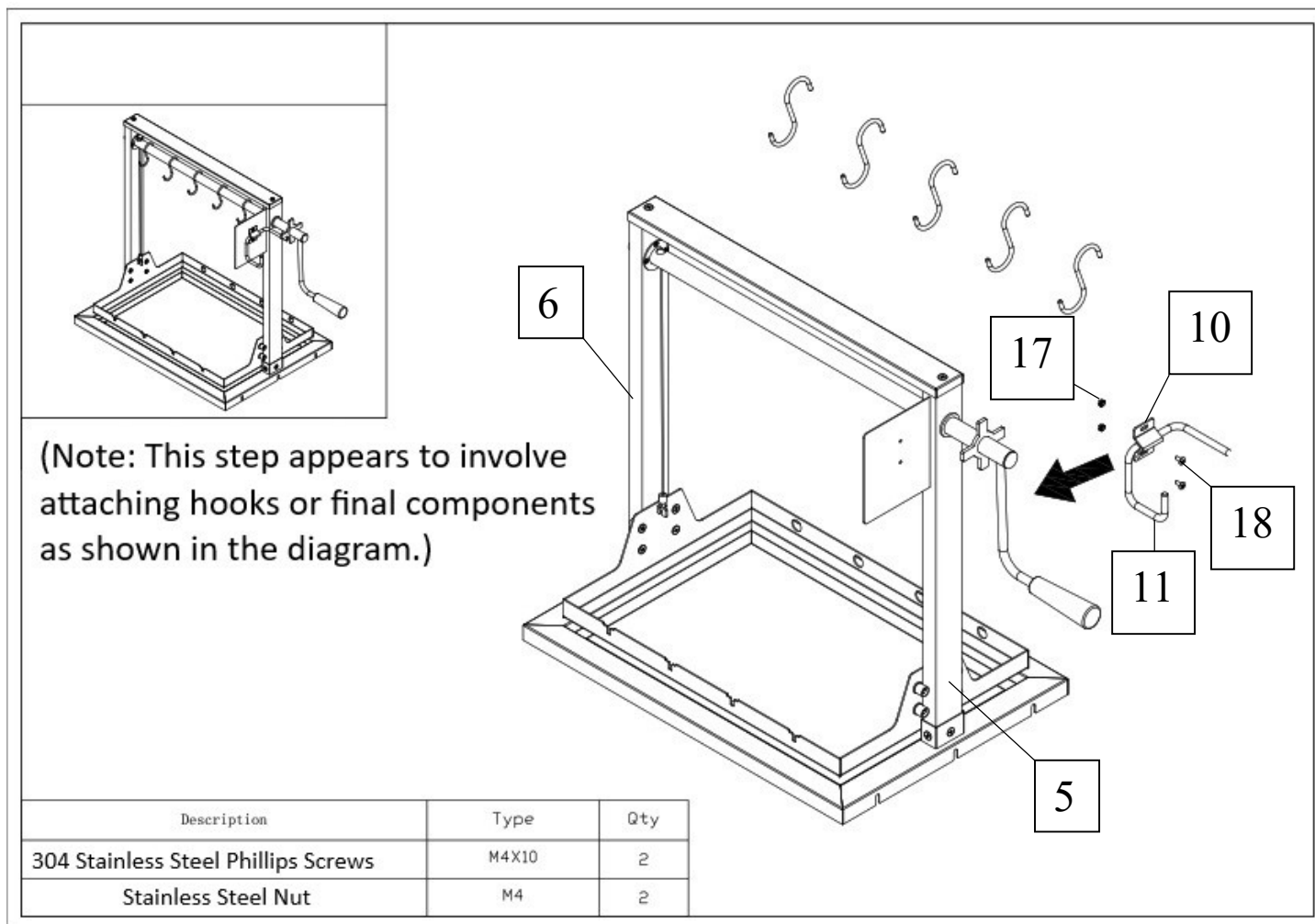
Attach the Bakelite Handle (Item 3), the heat-resistant operating grip, to the end of the Upper Lift Tube Weldment. Secure it by inserting the 304 Stainless Steel Split Pin (Item 4) through the hole at the end to lock everything in place.

For each 304 Stainless Steel Wire Rope (Item 9, total 2): Remove the removable bottom lock buckle or clamp. Thread the wire rope through the round tube channel in the Upper Lift Tube Weldment—do not disturb the fixed clamp on the opposite end.

After threading, attach the free end to the card piece or attachment point on the Frame Weldment (Item 7) using 2 of the Cylindrical Double Hole Wire Clamps (Item 8, total 4 clamps for both ropes).

Tighten the clamps securely to form a stable loop. This configuration allows the ropes to wind around the crank bar for controlled raising and lowering of the grate.

If applicable, integrate the Bottom Lift Tube Weldment (Item 13) at the base of the frame for additional grate support, aligning it with the wire ropes.



4. Install the stop plate and hooks.

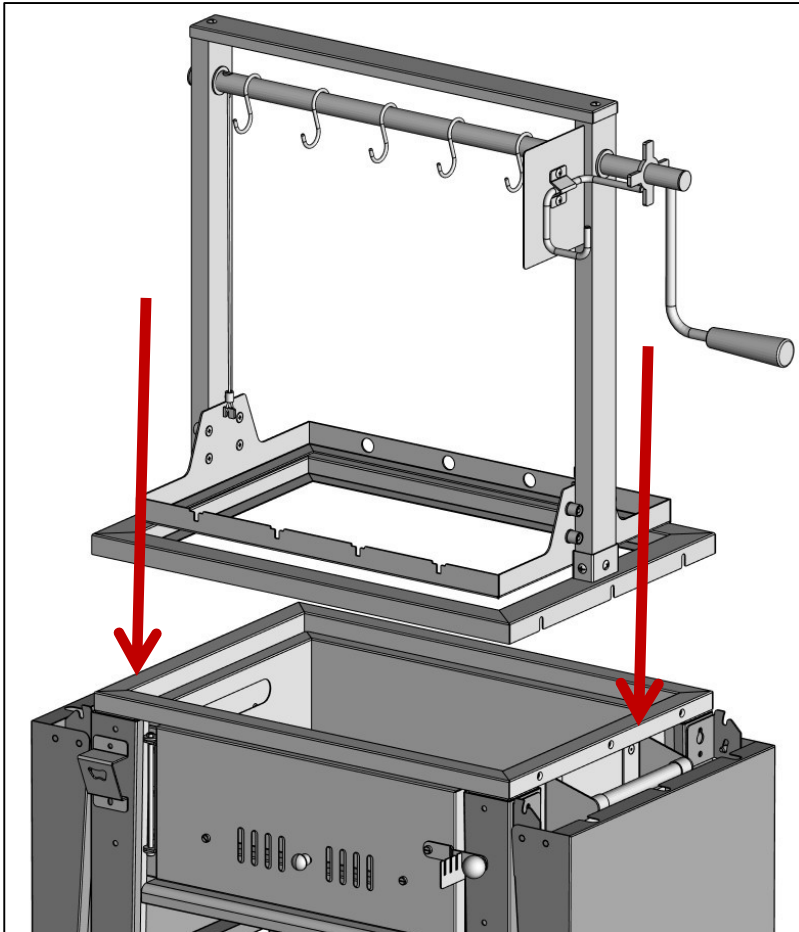
Attach the Round Steel Stop Plate (Item 10), which serves as a ratchet to hold the grate at various heights, and the Round Steel Stop Plate Handle (Item 11) to the side of one upright (Item 5 or 6).

Secure them using 2 of the 301 Stainless Steel Phillips Large Flat Head Screws M4x10 (Item 17) and 2 of the 304 Stainless Steel Wing Nuts M4 (Item 18). The wing nuts enable quick adjustments.

Finally, clip the Round Steel Hooks (Item 12, all 5) into the provided slots along the bottom edges of the Frame Weldment (Item 7). These hooks allow for hanging meat, tools, or accessories during grilling.

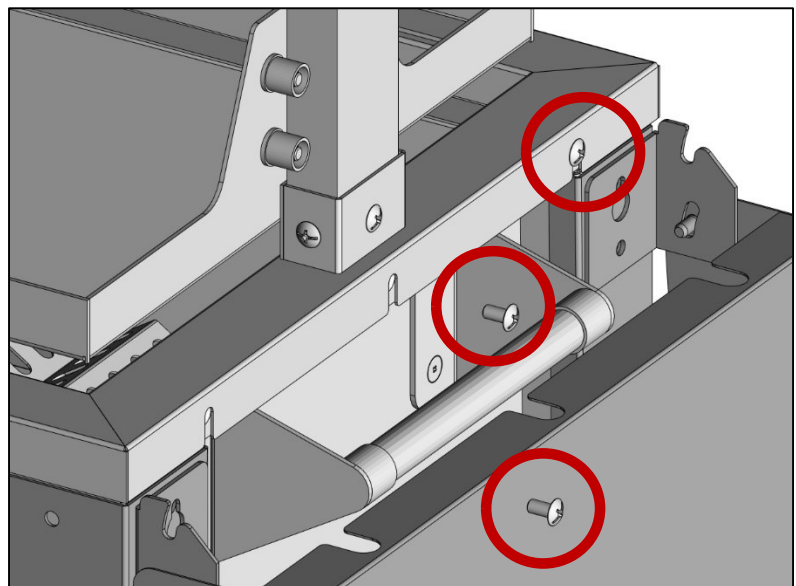
Mounting the STAR-24SMGRIM Santa Maria Rim to the Base

The **STAR-24SMGRIM** 24" Santa Maria 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 Santa Maria Rim straight down onto the base until it is fully seated and stable.
4. Verify that the Santa Maria Rim sits evenly and does not rock.
5. Using a Philips head screwdriver secure hood to base using the Large Screws provided.

6. Be sure the Santa Maria Rim is securely connected to the base, since when the cooking base is raised via the crank, it may cause the Santa Maria Rim to be unstable on the charcoal or fire pit base platform.





Mount on the **STARBBQ-24SMGRIM** with **STARBBQ24CART** or standalone

Mount on the **STARBBQ-24SMGRIM** with **STARBBQ-24FPBS** or standalone



Q. Lift assembly feels unstable or wobbles during use or when mounted

- Assembly not on level surface → Reposition base and lift assembly on flat, stable, non-combustible ground (concrete, gravel, pavers)
- Loose hardware → Check and tighten all screws (304 Stainless Steel Phillips Flat Head Machine Screws M6x16, Item 15)
- Frame weldment misaligned or loose → Inspect Frame Weldment (Item 7) and ensure it is fully seated evenly within the uprights and on the base (STARBBQ-24CHBS or STARBBQ-24FPBS)
- Uneven weight distribution → Center the lift assembly directly over the base opening without overhang

Q. Grate raises/lowers poorly, binds, or squeaks

- Debris stuck in bearing or guide areas → Clean Self-Lubricating Bearings (Item 14), Square Tube Weldments (Items 5 & 6), and surrounding hardware
- Loose components → Tighten any visible fasteners on the Upper Lift Tube Weldment (Item 2) while holding with a screwdriver → Ensure Square Tube Weldments (Items 5 & 6) are secure
- Lack of lubrication → Apply light silicone lubricant to bearing pivots and wire rope paths (use sparingly)
- Uprights worn or misaligned → Verify Square Tube Weldments (Items 5 & 6) are properly attached to the Decorative Top Plate (Item 1) and Frame Weldment (Item 7)

Q. Lift assembly tips or leans to one side when mounted

- Uprights not parallel or level → Confirm Square Tube Weldment (left, Item 5) and Square Tube Weldment A (right, Item 6) are vertical and aligned
- Frame misaligned → Recheck attachment of Frame Weldment (Item 7) to the base → Ensure even seating around the entire edge
- Bearings not installed evenly → Verify all Self-Lubricating Bearings (Item 14) are inserted symmetrically into the uprights (Items 5 & 6)

Q. Handle feels loose or rattles

- Screws not fully tightened → Retighten 301 Stainless Steel Phillips Large Flat Head Screws M4x10 (Item 17) on the Bakelite Handle (Item 3)
- Incorrect hardware placement → Confirm hardware matches exploded diagrams (e.g., appropriate screws and wing nuts for attachments)
- Parts not seated properly → Disassemble and realign Bakelite Handle (Item 3) with the Upper Lift Tube Weldment (Item 2) → Re-secure the 304 Stainless Steel Split Pin (Item 4) and all fasteners

Q. Wire ropes slip, tangle, or fail to hold position

- Clamps loose → Inspect and tighten Cylindrical Double Hole Wire Clamps (Item 8) on the 304 Stainless Steel Wire Ropes (Item 9)
- Ropes misthreaded → Rethread wire ropes through the Upper Lift Tube Weldment (Item 2) per assembly diagrams, ensuring loops are secure on the Frame Weldment (Item 7)
- Stop plate malfunction → Check Round Steel Stop Plate (Item 10) and Handle (Item 11) for proper engagement; tighten 304 Stainless Steel Wing Nuts M4 (Item 18) if needed



ATTENTION: The Santa Maria Rim 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” SANTA MARIA RIM WARRANTY All Warranties Begin on Date of Purchase

LIMITED 5-YEAR WARRANTY Sunstone Metal Products warrants the frame, against burn-through, cracking, or 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-24SMGRIM), proof of purchase, and clear photos ready. Our Texas-based team will handle your claim quickly and professionally.