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Raybee 40" W Heavy Duty 4-Tier Metal Shelving Instruction Manual

Model: 40" W x 19.1" D x 56.9" H

1. Introduction

Thank you for choosing the Raybee Heavy Duty 4-Tier Metal Shelving Unit. This manual provides essential information for the safe assembly, operation, and maintenance of your shelving unit. Please read these instructions carefully before beginning assembly and retain them for future reference.



Figure 1: Raybee 40" W Heavy Duty 4-Tier Metal Shelving Unit.

2. Safety Information

WARNING: Failure to follow these safety instructions may result in injury or damage to the product.

- The heavy-duty shelving unit has a maximum total load capacity of 1600 lbs (400 lbs per shelf). Do not exceed this weight limit.
- Ensure proper installation and even weight distribution across all shelves to prevent tipping or collapse.
- Always assemble the unit on a flat, stable surface.
- Keep children and pets away from the assembly area.

- Wear protective gloves during assembly to prevent cuts or pinches. A rubber mallet is recommended for secure connections.
- Do not climb on the shelving unit.
- If moving the assembled unit, exercise caution. It is recommended to move the unit with two people to maintain stability and prevent shelves from dislodging. Building the unit in its final location is advised.



Figure 2: Illustration of the shelving unit's weight capacity.

3. Package Contents

Before assembly, verify that all components are present and undamaged. If any parts are missing or damaged, please contact customer support.

- Vertical Support Posts (Double Column)
- Horizontal Shelf Beams
- Shelf Panels (4 pieces)

- Connecting Brackets (for splitting unit, if applicable)
- Rubber Mallet (for assembly)
- Protective Gloves (for assembly)

4. Assembly Instructions

This shelving unit features a boltless, interlocking design for quick and easy assembly. A rubber mallet and protective gloves are included to assist with the process.

1. **Prepare the Area:** Clear a flat, stable workspace. It is recommended to assemble the unit in its intended final location to avoid moving it after completion.
2. **Connect Vertical Posts:** Begin by connecting the vertical support posts. The posts feature keyhole slots for the horizontal beams. Ensure the double column design is correctly oriented.



Figure 3: Vertical support post with keyhole slots.

3. **Attach Horizontal Beams:** Insert the tabs of the horizontal shelf beams into the keyhole slots on the vertical posts. Use the provided rubber mallet to gently tap the beams into place, ensuring a secure and flush connection. Work your way around the frame, ensuring all four corners are level.



Figure 4: Horizontal shelf beam.



Figure 5: Secure corner connection.

4. **Install Shelf Panels:** Once the frame for a shelf level is complete and secure, place a shelf panel onto the horizontal beams. Ensure it sits flush and is stable. Repeat for all four shelves.

5. **Optional: Split Unit Assembly:** The unit can be split into two smaller, separate units. To do this, use the provided connecting brackets to join the upper and lower sections of the vertical posts, creating two independent shelving units.



Figure 6: Connecting bracket for unit division.

6. **Final Check:** After assembly, gently shake the unit to ensure all connections are tight and the structure is stable.

5. Usage and Adjustment

The Raybee shelving unit is designed for versatile storage in various environments such as garages, pantries, kitchens, and warehouses.

- **Loading:** Distribute weight evenly across each shelf. Avoid concentrating heavy items in one spot. Do not exceed the 400 lbs per shelf or 1600 lbs total capacity.
- **Adjustable Shelves:** The height of each shelf can be adjusted to accommodate items of different sizes. To adjust, carefully remove the shelf panel and horizontal beams, then re-insert the beams into the desired keyhole slots on the vertical posts. Ensure all four beams for a single shelf are at the same height and securely tapped into place with the rubber mallet.



Figure 7: Shelf height adjustment mechanism.

6. Maintenance

To ensure the longevity and appearance of your shelving unit, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the metal surfaces with a dry cloth to remove dust and debris. For stubborn marks, a slightly damp cloth can be used, followed immediately by a dry cloth to prevent moisture accumulation.
- **Inspection:** Periodically check all connections to ensure they remain secure. Retighten any loose beams with the rubber mallet if necessary.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners or harsh chemicals, as these can damage the finish.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Shelving unit is unstable or wobbly.	Connections are not fully secured; uneven floor surface.	Ensure all horizontal beams are fully tapped into the keyhole slots with the rubber mallet. Verify the unit is on a level surface.
Shelf panel does not sit flush.	Horizontal beams are not level or fully seated.	Re-check that all four horizontal beams supporting the shelf are at the same height and securely tapped into place.
Difficulty moving the assembled unit.	Interlocking design can dislodge if moved improperly.	If possible, assemble the unit in its final location. If moving is necessary, empty the shelves and have two people lift and move the unit carefully to prevent dislodging connections.

8. Specifications

Feature	Detail
Product Dimensions	19.1"D x 40"W x 56.9"H
Number of Shelves	4
Weight Limit (per shelf)	400 lbs
Total Weight Capacity	1600 lbs
Assembly Required	Yes (Boltless Interlocking System)
Material	Metal
Finish Type	Metal
Recommended Uses	Bedroom, Garage, Kitchen, Living Room, Warehouse

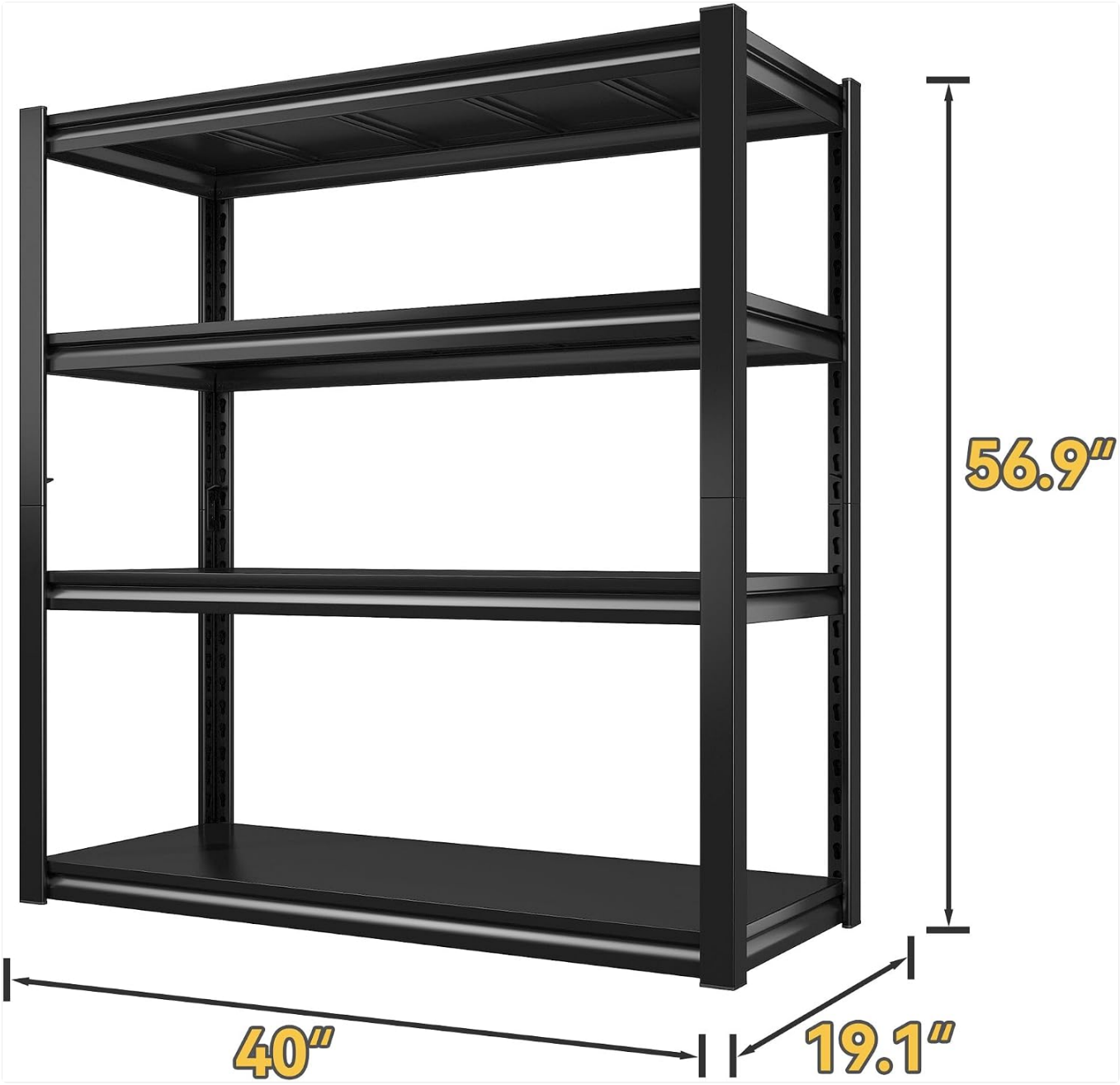

Figure 8: Product dimensions diagram.

9. Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Raybee website. Please have your model number (40" W x 19.1" D x 56.9" H) and purchase details ready when contacting support.

10. Video Resources

No official product videos from the seller were available for embedding in this manual. Please refer to the written instructions and diagrams for assembly and usage guidance.

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