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› Swagman E-SPEC RV & eBike Approved Hitch Mount Bike Rack User Manual

Swagman 66689

Swagman E-SPEC RV & eBike Approved Hitch Mount Bike Rack User Manual

1. INTRODUCTION

The Swagman E-SPEC is a robust hitch mount bike rack designed for safely transporting two eBikes or heavier bicycles. This rack is specifically engineered and reinforced for stability, making it suitable for use with both standard vehicles and recreational vehicles (RVs) or 5th wheels. It accommodates bikes weighing up to 80 lbs each on regular vehicles and up to 70 lbs each when mounted on an RV or 5th wheel.



Figure 1: The Swagman E-SPEC RV & eBike Approved Hitch Mount Bike Rack.

2. PRODUCT FEATURES

- **eBike and RV Approved:** Engineered to safely carry two heavy eBikes. Supports up to 80 lbs per bike on standard vehicles and 70 lbs per bike on RVs or 5th wheels.
- **Simplified Assembly:** Designed for quick and straightforward setup, allowing for rapid deployment.
- **Enhanced Security:** Features locking ratchet hooks and a locking hitch pin to secure both the bikes to the rack and the rack to the vehicle, providing peace of mind during transport.
- **Convenient Design:** The rack can be easily folded up against the rear of the vehicle when not in use. It also allows for convenient access to the vehicle's trunk or tailgate without requiring disassembly.
- **Broad Compatibility:** Designed for use with Class 3, 2-inch hitch receivers. It accommodates most

bicycle frame sizes and styles.

- **Tire Accommodation:** The wheel trays are designed to fit tires up to 3 inches wide. For wider fat tires, optional Fat Trays (#64679) are available separately.

3. SPECIFICATIONS

Attribute	Detail
Color	Black
Item Dimensions (L x W x H)	42 x 14 x 10 inches
Load Capacity	140 Pounds (total for 2 bikes)
Mounting Type	Hitch
Automotive Fit Type	Universal Fit
Item Weight	57 pounds
Model Number	66689
UPC	776214666898

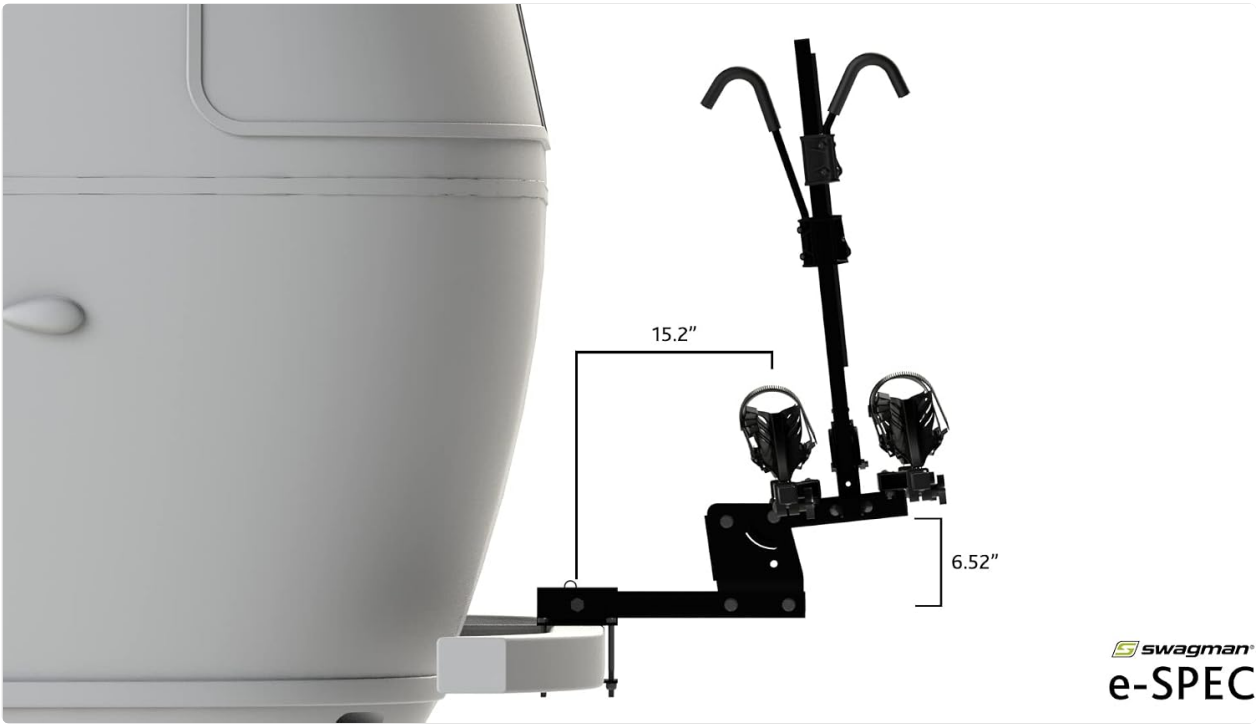


Figure 2: Key dimensions of the Swagman E-SPEC bike rack.

4. SETUP AND ASSEMBLY

The Swagman E-SPEC bike rack is designed for straightforward assembly. Please refer to the detailed instructions included in your product packaging for specific steps and diagrams. A general overview of the assembly process is provided below:

1. **Unpack Components:** Carefully remove all parts from the packaging and verify against the parts list in your manual.

2. **Attach Main Frame to Hitch:** Insert the main frame of the bike rack into your vehicle's 2-inch hitch receiver. Secure it using the provided locking hitch pin and clip. Ensure the connection is tight to minimize movement.
3. **Install Wheel Trays:** Attach the wheel trays to the main frame according to the instructions, ensuring they are correctly oriented and securely fastened.
4. **Mount Vertical Support and Hooks:** Assemble and attach the vertical support arm and the adjustable locking ratchet hooks. These components are crucial for securing your bikes.
5. **Final Checks:** Before first use, double-check all bolts, pins, and connections to ensure they are tightened and secured as per the manual.

5. OPERATING INSTRUCTIONS

5.1. Loading Bicycles

1. **Position Bike:** Lift your bicycle and place its wheels into the designated wheel trays on the rack. Ensure the bike is centered and stable.
2. **Secure Wheels:** Use the provided wheel straps to firmly secure both the front and rear wheels to the trays.
3. **Engage Locking Hook:** Lower the adjustable ratchet hook over the bike's frame. Push the hook down until it firmly contacts the frame, then lock it into place using the integrated key lock. Repeat for the second bike.



Figure 3: Demonstrating the process of loading a bicycle onto the rack.

5.2. Securing the Rack and Bikes

Always ensure the rack is securely attached to your vehicle and bikes are properly fastened before driving.

- Verify the locking hitch pin is fully inserted and locked.

- Confirm all ratchet hooks are securely engaged and locked onto the bike frames.
- Check that wheel straps are tight and bikes are stable with minimal movement.



Figure 4: Detail of the locking ratchet hook for securing bike frames.

5.3. Folding and Trunk Access

The E-SPEC rack offers convenient features for storage and vehicle access.

- **Folding Rack:** When not in use, the rack can be folded upwards against the vehicle. Follow the specific release mechanism instructions in your manual to fold the rack.
- **Trunk/Tailgate Access:** The rack is designed to allow access to your vehicle's rear cargo area. Consult your manual for instructions on how to tilt or lower the rack to clear the trunk or tailgate without removing the bikes or the rack from the hitch.



Figure 5: Swagman E-SPEC rack with two eBikes mounted on an RV.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Swagman E-SPEC bike rack.

- **Cleaning:** Periodically clean the rack with mild soap and water to remove dirt, road grime, and salt. Rinse thoroughly and dry.
- **Inspection:** Before each use, inspect all components for signs of wear, damage, or corrosion. Pay close attention to welds, bolts, pins, straps, and locking mechanisms. Replace any damaged parts immediately.
- **Lubrication:** Apply a light lubricant to moving parts, such as hinge points and locking mechanisms, to ensure smooth operation and prevent rust.
- **Storage:** When not in use, store the bike rack in a dry, protected area to prevent exposure to harsh weather conditions.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your bike rack.

- **Rack Wobbles in Hitch:** Ensure the locking hitch pin is fully inserted and tightened. Some movement is normal, but excessive wobble indicates an improper connection. Verify your hitch receiver is clean and free of debris.
- **Difficulty Loading Bikes:** Check that the wheel trays are correctly positioned for your bike's wheelbase. Adjust the height of the ratchet hooks to accommodate different frame sizes. Ensure no cables or accessories are obstructing the hook's path.
- **Lost Keys:** If you lose the keys for your locking mechanisms, contact Swagman customer support for assistance with replacements. Provide your product model number and any key codes if available.
- **Straps or Hooks Not Securing:** Inspect straps for wear or damage. Ensure ratchet hooks are fully engaged and locked. If components are worn, they may need replacement.

8. WARRANTY AND SUPPORT

For detailed warranty information, product support, or to purchase replacement parts, please visit the official Swagman website or contact their customer service department directly. Keep your purchase receipt and product model number (66689) handy for any inquiries.

Swagman Contact Information:

- Refer to the contact details provided in your product packaging or on the official Swagman website.