

MechMaxx SM-36MAX

MechMaxx SM-36MAX Sawmill Trailer Sub-Frame and Mobility Combo Kit Instruction Manual

Model: SM-36MAX (Part Numbers: 410715+410716)

1. IMPORTANT SAFETY INFORMATION

Read and understand all safety warnings and instructions before assembling, operating, or maintaining the MechMaxx SM-36MAX Sawmill Trailer Sub-Frame and Mobility Combo Kit. Failure to follow these instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Ensure the work area is clear of obstructions and bystanders, especially children and pets.
- Verify all connections and fasteners are securely tightened before use.
- Do not exceed the specified load capacities for the sub-frame (4400 lb) or leveling jacks (2000 lb each).
- Use caution when leveling the sawmill; ensure stability before beginning any operations.
- This product is designed for use with MechMaxx SM-36MAX sawmills only. Do not attempt to adapt it for other brands or models.

2. PRODUCT OVERVIEW

The MechMaxx SM-36MAX Sub-Frame and Mobility Combo Kit provides a robust and portable foundation for your sawmill. It features an all-steel sub-frame, six adjustable leveling jacks, and a trailer system for easy transport.



Image 2.1: Overview of the MechMaxx SM-36MAX Sawmill Trailer Sub-Frame with a sawmill outline for context.



Image 2.2: The complete sub-frame and trailer assembly, showcasing the wheels and leveling jacks.

3. SETUP AND ASSEMBLY

Follow these steps for proper assembly and setup of your sawmill trailer sub-frame.

1. **Unpacking:** Carefully unpack all components and verify against the packing list. Ensure no parts are missing or damaged.
2. **Sub-Frame Assembly:** Connect the all-steel sub-frame sections using the provided connecting brackets and hardware. Ensure all bolts are tightened to the manufacturer's specifications.
3. **Attaching Leveling Jacks:** Install the six leveling jacks onto the designated points on the sub-frame. These jacks are crucial for stabilizing the sawmill during operation.
4. **Trailer Component Installation:** Attach the removable fenders, 2-inch ball coupler, and DOT-approved wheels (6.5/2.8in-R13) to the sub-frame. Ensure the LED light kit (stop, turn, tail) is properly wired and functional.
5. **Sawmill Mounting:** Securely mount your MechMaxx SM-36MAX sawmill onto the assembled sub-frame. Refer to your sawmill's manual for specific mounting instructions.
6. **Transport Lock Down Kit:** Engage the transport lock down kit when preparing the unit for movement to prevent shifting.

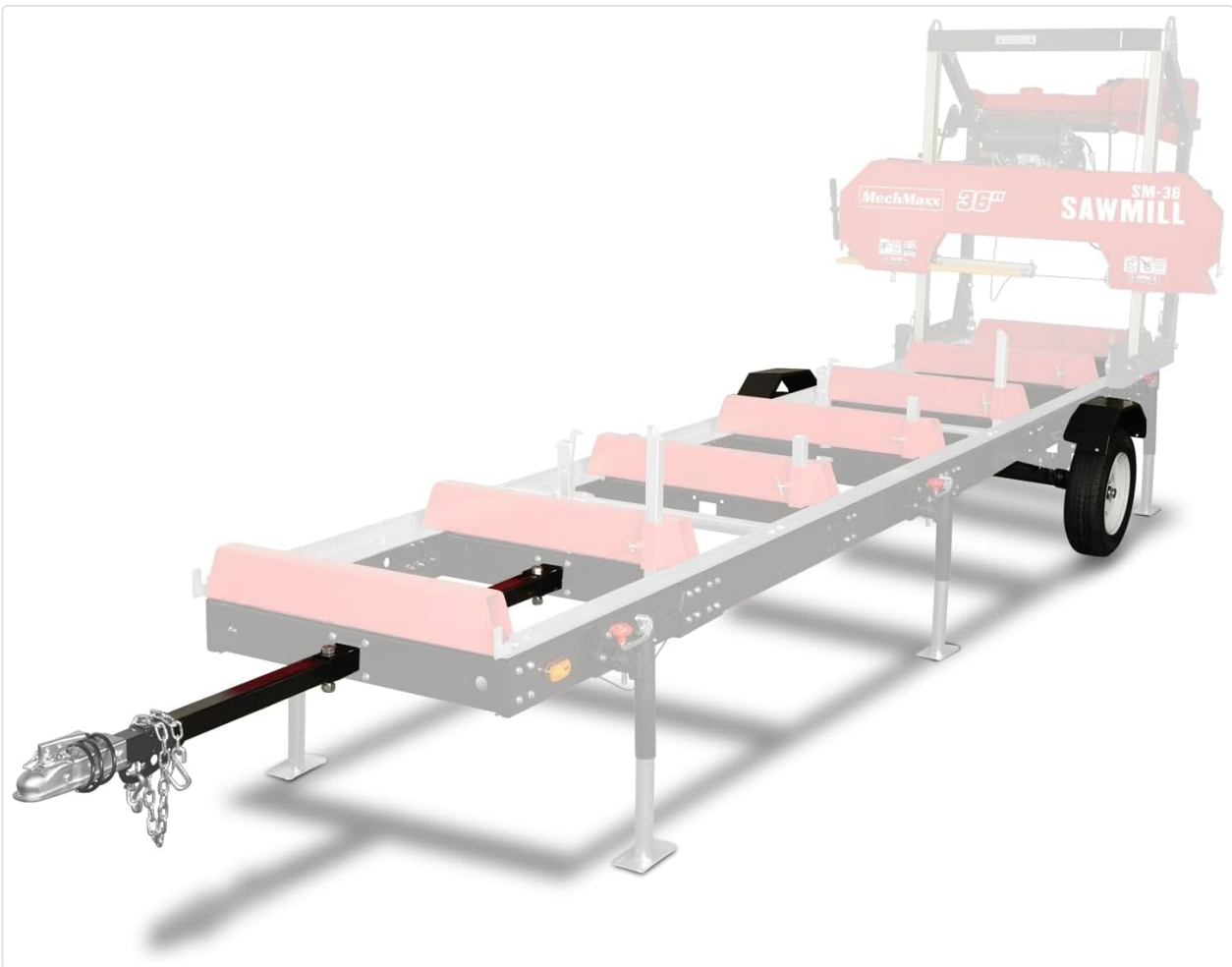


Image 3.1: Detail of the 2-inch ball coupler and safety chains for secure towing.



Image 3.2: A close-up view of one of the 6.5/2.8in-R13 DOT approved tires.

4. OPERATING INSTRUCTIONS

Proper operation ensures safety and extends the life of your equipment.

- **Transporting the Sawmill:** Before moving, ensure the sawmill is securely fastened to the sub-frame and the transport lock down kit is engaged. Connect the 2-inch ball coupler to a suitable towing vehicle and attach safety chains. Verify all LED lights are operational.
- **Positioning and Leveling:** Once at the desired location, disengage the transport lock down kit. Use the six leveling jacks to precisely level the sawmill. Each jack can support up to 2000 lbs and offers 10 inches of height adjustability. Adjust both front-to-back and side-to-side until the sawmill is stable and level.
- **Operating the Sawmill:** Refer to your MechMaxx SM-36MAX sawmill's instruction manual for specific operating procedures. Ensure the sub-frame remains stable throughout the sawing process.



Image 4.1: Rear view of the sub-frame, highlighting the LED stop, turn, and tail lights, and the rear leveling jacks.

5. MAINTENANCE

Regular maintenance is essential for optimal performance and longevity.

- **Cleaning:** Keep the sub-frame and trailer components clean from sawdust, dirt, and debris. Use a damp cloth and mild detergent if necessary.
- **Inspection:** Periodically inspect all structural components, welds, and fasteners for signs of wear, damage, or corrosion. Tighten any loose bolts.
- **Lubrication:** Lubricate moving parts of the leveling jacks and coupler as recommended by their individual manufacturers.
- **Tire Care:** Check tire pressure regularly and ensure tires are free from cuts or excessive wear.
- **Electrical System:** Verify the LED lights and wiring are intact and functioning correctly before each transport.
- **Finish Protection:** The sub-frame features a galvanized steel finish, and the trailer components have a

plastic spraying finish. Touch up any scratches or chips to prevent rust.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

- **Sawmill Instability:** If the sawmill feels unstable during operation, re-check the leveling jacks. Ensure all six jacks are firmly planted on solid ground and adjusted to provide maximum stability. Verify the ground surface is not soft or uneven.
- **Trailer Lights Not Working:** Check the electrical connection to the towing vehicle. Inspect the wiring harness for any damage or loose connections. Ensure bulbs are not burnt out.
- **Difficulty Leveling:** If the jacks are difficult to adjust, ensure they are clean and free of debris. Apply a suitable lubricant to the jack threads if necessary.
- **Excessive Vibration During Transport:** Check tire pressure and ensure wheels are properly balanced. Verify all components of the sub-frame and sawmill are securely fastened and the transport lock down kit is engaged.

7. SPECIFICATIONS

Detailed technical specifications for the MechMaxx SM-36MAX Sub-Frame and Mobility Combo Kit.

Feature	Specification
Sub-Frame Capacity	4400 lb
Leveling Jack Load Bearing	2000 lbs per jack
Number of Leveling Jacks	6
Height Adjustability (Jacks)	10 inches
Leveling Jack Foot Dimensions	7.5" x 3.75"
Overall Length	20 feet (240 inches)
Overall Width	45.3 inches
Overall Height	10 inches (without sawmill)
Standard Cutting Length (Sawmill)	16 feet 8 inches
Lights	LED light kit (stop, turn, tail)
Ball Coupler Size	2 inches
Wheels/Tires	6.5/2.8in-R13 DOT Approved Tires
Fenders	Removable
Sub-Frame Finish	Galvanized Steel
Trailer Finish	Plastic Spraying
Net Weight (N.W.)	677 lbs

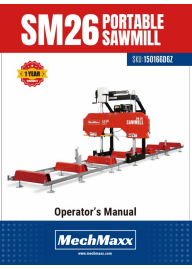
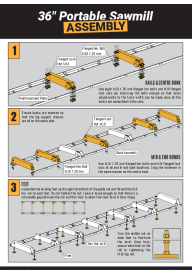
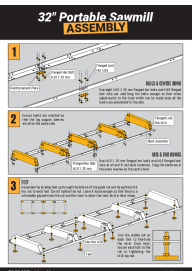
Feature	Specification
Gross Weight (G.W.)	763 lbs
Packing Size	90 x 25 x 20.5 inches
Model Number	410715+410716
Manufacturer	MechMaxx

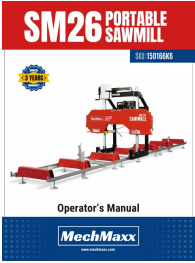
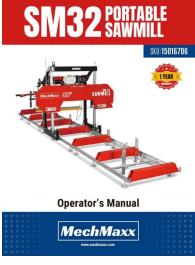
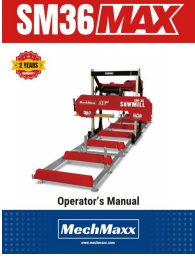
8. WARRANTY AND SUPPORT

MechMaxx is committed to customer satisfaction. For any questions or support, please refer to the following information.

- **Returns:** This product is eligible for 30-day easy returns. Please refer to the retailer's return policy for details.
- **Protection Plans:** Extended protection plans are available for purchase, including 2-Year, 3-Year, and Complete Protect options. Contact your retailer for more information.
- **Customer Support:** For technical assistance, parts, or warranty claims, please contact MechMaxx customer support. Contact information can typically be found on the MechMaxx official website or through your purchase platform.

Related Documents - SM-36MAX

	<p>MechMaxx SM26 Portable Sawmill Operator's Manual - Setup, Safety, and Operation Guide</p> <p>Comprehensive operator's manual for the MechMaxx SM26 Portable Sawmill (SKU: 150166D6Z). Learn about safe setup, assembly, operation, maintenance, and troubleshooting for your sawmill. Includes detailed diagrams and parts lists.</p>
	<p>36\" data-bbox="215 711 628 724">36\"</p> <p>Step-by-step assembly instructions for the MechMaxx 36\"</p>
	<p>32\" data-bbox="215 864 484 877">32\"</p> <p>Step-by-step assembly instructions for the 32\"</p>

	<p>MechMaxx SM26 Portable Sawmill Operator's Manual</p> <p>Official operator's manual for the MechMaxx SM26 Portable Sawmill. Provides comprehensive guidance on assembly, operation, safety, maintenance, and troubleshooting for the model featuring a KOHLER CH440 engine. Visit www.mechmaxx.com for more information.</p>
	<p>MechMaxx SM32 Portable Sawmill Operator's Manual</p> <p>Comprehensive operator's manual for the MechMaxx SM32 portable sawmill. Covers detailed specifications, safety protocols, assembly, startup, maintenance, and troubleshooting for the 32-inch sawmill with a 459cc ZONSEN GB460 engine. Includes parts lists and diagrams.</p>
	<p>MechMaxx SM36 MAX Portable Sawmill Operator's Manual</p> <p>Operator's manual for the MechMaxx SM36 MAX Portable Sawmill, covering specifications, safety, assembly, operation, and maintenance for efficient wood processing.</p>