Skil SMB2000

SKIL SMB2000 20-Inch Lawn Mower Blade User Manual

For SKIL Mowers PM4910-10 and SM4910-10

1. Product Overview

The SKIL SMB2000 is a 20-inch universal lawn mower blade designed for optimal performance with compatible SKIL Brushless PWRCore 40 20-inch Mowers, specifically models PM4910-10 and SM4910-10. This blade supports both bagging and mulching functions, providing a versatile solution for lawn care.

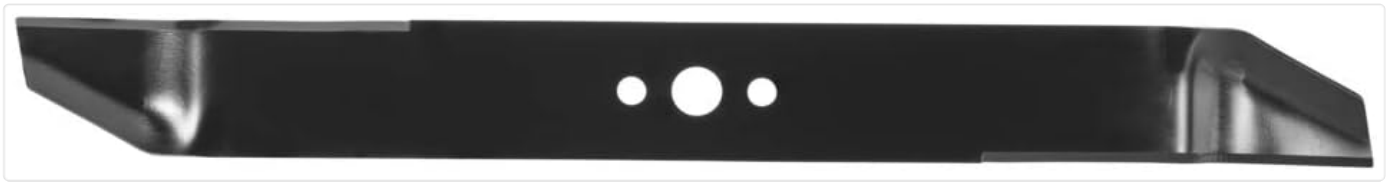


Figure 1: SKIL SMB2000 20-Inch Lawn Mower Blade (Top View)

2. Setup and Installation

Safety Precautions:

- Always disconnect the spark plug wire or remove the battery from the mower before performing any maintenance or installation.
- Wear heavy-duty gloves to protect your hands from sharp blade edges.
- Ensure the mower is on a flat, stable surface and cannot roll or tip over.

Tools Required:

- Socket wrench (typically 9/16 inch or appropriate size for your mower's blade bolt)
- Wood block or screwdriver (to secure the blade during removal/installation)

Installation Steps:

1. **Prepare the Mower:** Tilt the mower onto its side, ensuring the carburetor (if gas-powered) or battery compartment (if electric) is facing upwards to prevent fuel or oil leakage.

2. **Secure the Blade:** Place a wood block between the blade and the mower deck to prevent the blade from turning while you loosen the bolt. Alternatively, insert a screwdriver into the designated hole on the mower deck to lock the blade in place.
3. **Remove Old Blade:** Using the socket wrench, loosen the blade bolt by turning it counter-clockwise. Once loose, remove the bolt, washer, and the old blade. Note the orientation of the old blade for correct installation of the new one.
4. **Clean Deck (Optional):** While the blade is off, clean any accumulated grass clippings or debris from the underside of the mower deck.
5. **Install New Blade:** Position the new SKIL SMB2000 blade onto the shaft, ensuring the side marked "THIS SIDE FACES GRASS" (or the curved/lifted edges) faces the mower deck. The blade's center hole and alignment pins must match the mower's shaft.
6. **Reattach Washer and Bolt:** Place the washer back onto the shaft, followed by the blade bolt. Tighten the bolt clockwise using the socket wrench. Ensure it is securely fastened to prevent loosening during operation.
7. **Final Check:** Remove the wood block or screwdriver. Gently rotate the blade by hand to ensure it spins freely and is properly seated.



Figure 2: Blade showing mounting holes and mulching/lift features.

Video Guide: Blade Replacement

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Video 1: General guide for replacing a 20-inch lawn mower blade. This video demonstrates the process of removing an old blade and installing a new one, including securing the blade and tightening the bolt. (Note: This video is a general guide and may not feature the exact SKIL mower model.)

3. Operating

The SKIL SMB2000 blade is designed for both bagging and mulching. Once installed, the blade functions as part of your SKIL 20-inch mower. For detailed operating instructions, including starting the mower, adjusting cutting height, and engaging safety features, please refer to the specific user manual provided with your SKIL Brushless PWRCore 40 20-inch Mower (models PM4910-10 or SM4910-10).

Ensure the mower deck is clear of debris before starting. Operate the mower at a steady pace for an even cut. For mulching, ensure the mulching plug is correctly installed. For bagging, ensure the grass collection bag is properly attached and not overfilled.

4. Maintenance

Regular maintenance of your lawn mower blade is crucial for optimal cutting performance and safety.

- **Inspection:** Before each use, inspect the blade for any signs of damage, such as bends, cracks, or excessive dullness. A damaged or unbalanced blade can cause vibration, poor cutting, and potential safety hazards.
- **Cleaning:** After each use, especially when mulching, clean the underside of the mower deck and the blade to remove grass clippings and debris. This prevents buildup that can hinder performance and lead to rust.
- **Sharpening:** Sharpen the blade regularly, typically after every 25 hours of mowing or at the start of each mowing season. A sharp blade provides a clean cut, which is healthier for your lawn. If you are not comfortable sharpening the blade yourself, consult a professional.
- **Balancing:** After sharpening, ensure the blade is properly balanced. An unbalanced blade can cause excessive vibration, leading to premature wear on the mower's engine and components. Balancing tools are available for this purpose.
- **Replacement:** Replace the blade if it is severely bent, cracked, or worn beyond repair. Always use genuine SKIL replacement parts like the SMB2000 blade to ensure compatibility and maintain performance.

5. Troubleshooting

Most issues related to the blade can be resolved with proper installation and maintenance. If you experience any of the following, consider these troubleshooting steps:

Issue	Possible Cause	Solution
Uneven Cut	Dull or bent blade; incorrect cutting height setting.	Sharpen or replace blade; check and adjust cutting height.
Excessive Vibration	Unbalanced, bent, or damaged blade; loose blade bolt.	Inspect blade for damage, balance or replace if necessary; tighten blade bolt securely.
Poor Mulching/Bagging	Dull blade; excessive grass height; clogged deck.	Sharpen blade; mow more frequently or raise cutting height; clean mower deck.

If issues persist after following these steps, consult a qualified service technician or refer to your mower's comprehensive troubleshooting guide.

6. Specifications

- **Model:** SMB2000
- **Brand:** Skil
- **Cutting Width:** 20 Inches
- **Blade Type:** Universal (for Bagging and Mulching)
- **Material:** Blend
- **Color:** Black
- **Item Weight:** 15.2 ounces
- **Product Dimensions:** 19.5"D x 2"W x 0.1"H
- **Compatible Mowers:** SKIL Brushless PWRCore 40 20" Mowers (e.g., PM4910-10, SM4910-10)
- **UPC:** 039725000644

7. Warranty and Support

For warranty information and customer support regarding your SKIL SMB2000 Lawn Mower Blade, please refer to the documentation included with your original product purchase or visit the official Skil website. Keep your proof of purchase

for any warranty claims.

For additional assistance or to locate authorized service centers, please contact Skil customer service directly.

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