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› BMW 34 21 6 864 900 Disc Brake Rotor User Manual

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Model: 34 21 6 864 900

INTRODUCTION

This manual provides essential information regarding the BMW 34 21 6 864 900 Disc Brake Rotor. This genuine BMW OEM product is designed to meet the precise specifications and performance standards of your vehicle's braking system. Proper installation and maintenance are crucial for optimal performance and safety.

PRODUCT OVERVIEW



Figure 1: Front and side view of the BMW 34 21 6 864 900 Disc Brake Rotor. The image displays the rotor's hub, bolt holes, and the ventilated disc surface, highlighting its robust construction.

The disc brake rotor is a critical component of a vehicle's disc braking system. It is the rotating disc that brake pads clamp onto to create friction, slowing down and stopping the vehicle. This specific rotor is engineered by BMW to ensure compatibility and performance with designated BMW models.

INSTALLATION (SETUP)

Installation of brake components requires specialized knowledge and tools. It is highly recommended that this disc brake rotor be installed by a qualified automotive technician.

General Installation Steps (for reference only):

1. **Safety First:** Ensure the vehicle is securely lifted and supported on jack stands. Disconnect the battery if working near electrical components.
2. **Remove Wheel:** Loosen lug nuts, raise vehicle, remove wheel.
3. **Remove Brake Caliper:** Unbolt and carefully remove the brake caliper, suspending it without straining the brake hose.
4. **Remove Old Rotor:** Remove any retaining screws or clips, then slide the old rotor off the hub.
5. **Clean Hub Surface:** Thoroughly clean the wheel hub surface to ensure proper seating of the new rotor. Remove any rust or debris.
6. **Install New Rotor:** Carefully slide the new BMW disc brake rotor onto the hub, ensuring it sits flush.

- 7. **Reinstall Caliper:** Reinstall the brake caliper and secure all bolts to manufacturer specifications.
- 8. **Bleed Brakes (if necessary):** If the brake system was opened, bleed the brakes according to vehicle service manual procedures.
- 9. **Reinstall Wheel:** Mount the wheel and tighten lug nuts to the vehicle's specified torque.
- 10. **Test Brakes:** Before driving, pump the brake pedal several times to ensure proper pressure. Perform a low-speed test drive in a safe area to confirm braking function.

Warning: Incorrect installation can lead to brake failure, serious injury, or death. Always consult your vehicle's specific service manual and follow all safety guidelines.

FUNCTION AND OPERATION

The BMW 34 21 6 864 900 Disc Brake Rotor functions as the primary friction surface for the brake pads. When the brake pedal is pressed, hydraulic pressure forces the brake caliper to clamp the brake pads onto the spinning rotor. This friction converts the vehicle's kinetic energy into heat, slowing down and eventually stopping the vehicle. The design of this rotor, including its ventilation, helps dissipate heat efficiently, maintaining braking performance and preventing brake fade under demanding conditions.

MAINTENANCE

Regular inspection and maintenance of your brake rotors are essential for safety and longevity.

- **Routine Inspection:** Have your brake rotors inspected during every tire rotation or at least annually. Check for signs of wear, such as scoring, cracks, or excessive rust.
- **Minimum Thickness:** Rotors have a specified minimum thickness. If the rotor wears below this limit, it must be replaced. This information is typically stamped on the rotor or found in the vehicle's service manual.
- **Brake Pad Replacement:** Always replace brake rotors when replacing brake pads, especially if the rotors show significant wear or damage. This ensures optimal braking performance and prevents premature wear of new pads.
- **Cleaning:** Keep rotors clean from excessive dirt, oil, or grease. Use appropriate brake cleaner if necessary.
- **Bedding-In:** After new rotor installation, follow the manufacturer's recommended "bedding-in" procedure to properly mate the new pads and rotors. This typically involves a series of moderate stops from varying speeds.

TROUBLESHOOTING

Common issues related to brake rotors and their potential causes:

Symptom	Possible Cause	Action
Brake Pedal Pulsation / Steering Wheel Vibration during Braking	Rotor run-out (warping), uneven pad deposits, or excessive wear.	Inspect rotors for run-out and thickness. Replace if beyond specifications. Ensure proper bedding-in.
Squealing or Grinding Noise	Worn brake pads, foreign material between pad and rotor, or severely worn rotors.	Inspect pads and rotors. Replace worn components. Clean brake assembly.
Reduced Braking Performance / Increased Stopping Distance	Overheated rotors (brake fade), worn pads, or contaminated braking surfaces.	Allow brakes to cool. Inspect for wear and contamination. Replace components as needed.

If you experience any of these symptoms, it is crucial to have your braking system inspected by a qualified technician immediately.

SPECIFICATIONS

Attribute	Detail
Brand	BMW
Manufacturer Part Number	34 21 6 864 900
OEM Part Number	34 21 6 864 900
Vehicle Service Type	Cars
UPC	884109971535
ASIN	B00KWCZ6KU
Date First Available	June 10, 2014

WARRANTY INFORMATION

This product is a genuine BMW OEM part. For specific warranty terms and conditions, please refer to the official BMW warranty documentation provided with your vehicle or contact an authorized BMW dealership or service center. Warranty coverage typically applies to defects in materials and workmanship under normal use.

SUPPORT AND CONTACT

For technical assistance, installation guidance, or any questions regarding the BMW 34 21 6 864 900 Disc Brake Rotor, please contact an authorized BMW service center or your trusted automotive professional. Always ensure that any service or repair is performed by qualified personnel using genuine parts. You can find more information and locate authorized service centers through the official BMW website or by visiting the [BMW Store on Amazon](#).

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