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Bosch 28CA

Bosch 28CA Clear Advantage 28-inch Beam Wiper Blade

Instruction Manual

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1. PRODUCT OVERVIEW

The Bosch Clear Advantage 28CA Beam Wiper Blade is engineered for superior all-weather performance and clear visibility. Its patented beam design minimizes exposed metal, reducing ice and snow buildup. The graphite-treated natural rubber wiping edge ensures quiet, smooth operation and reduced friction across all seasons. An aerodynamic wind spoiler generates downward force, maintaining consistent windshield contact even at higher speeds.

This wiper blade features a versatile Click-On adapter system, designed for quick and easy installation on most vehicles.



Figure 1: Bosch 28CA Clear Advantage Beam Wiper Blade (28-inch)

2. SETUP AND INSTALLATION

The Bosch Clear Advantage wiper blade comes with a pre-mounted multi-adapter system to fit various wiper arm types. Ensure you identify your vehicle's wiper arm type before proceeding with installation.

2.1. Identifying Your Wiper Arm Type

The Bosch Clear Advantage system supports several common wiper arm types, including:

- Pin arm (4.8mm & 6.35mm)
- Hook arm (9x3 & 9x4mm)
- Side lock (22mm)
- Pinch tab
- Top lock (16mm & 19mm)
- BMW Top lock

Refer to your vehicle's owner's manual or consult a professional if you are unsure about your wiper arm type.

2.2. Removing the Old Wiper Blade

1. Lift the wiper arm away from the windshield until it locks into the upright position.
2. Locate the release tab or button on the existing wiper blade's adapter.
3. Press the tab and slide the old wiper blade off the wiper arm.
4. Carefully lower the wiper arm back onto the windshield or place a towel under it to prevent damage to the windshield if the arm accidentally springs back.

2.3. Installing the New Bosch Clear Advantage Wiper Blade

The Bosch Clear Advantage wiper blade includes a pre-installed adapter. If this adapter does not match your vehicle's wiper arm, you may need to remove it and install one of the alternative adapters provided in the packaging.

1. **Prepare the new blade:** If necessary, remove the pre-installed adapter by pressing the release tab and sliding it off. Select the correct adapter for your vehicle's wiper arm from the included set.
2. **Attach the adapter (if changed):** Align the chosen adapter with the new wiper blade and slide it on until it clicks securely into place. Ensure the arrows on the adapter and blade are facing the same direction.
3. **Attach to wiper arm:** Lift the wiper arm away from the windshield. Slide the new wiper blade's adapter onto the wiper arm until it locks securely. You should hear a distinct "click" sound, indicating it is properly seated.
4. **Verify installation:** Gently pull on the wiper blade to ensure it is firmly attached to the wiper arm. Carefully lower the wiper arm back onto the windshield.



Figure 2: Close-up of the Bosch wiper blade adapter mechanism



Figure 3: Two Bosch Clear Advantage wiper blades, ready for installation

2.4. Installation Videos

Bosch Clear Advantage Wiper Blade Installation (26CA)

Your browser does not support the video tag.

Video 1: This video demonstrates the installation process for a Bosch Clear Advantage 26CA wiper blade, which is similar to the 28CA model.

Bosch ICON Hook Installation Video

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Video 2: This video illustrates the installation of a Bosch ICON wiper blade on a hook-type arm. While for a different model, the hook arm installation steps are generally applicable.

Bosch ICON OE TopLock (19mm) Installation Video

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Video 3: This video demonstrates the installation of a Bosch ICON wiper blade on a 19mm OE TopLock arm, a common adapter type also supported by Clear Advantage blades.

3. OPERATION

Once installed, the Bosch Clear Advantage wiper blades are designed to operate effectively in various weather conditions. Activate your vehicle's windshield wipers as needed for rain, snow, or windshield cleaning.

3.1. Key Performance Features

- **Quiet and Smooth Wipe:** The blended natural rubber blade with a graphite-treated wiping edge minimizes friction, ensuring a quiet and smooth wipe.
- **All-Weather Performance:** The patented beam design reduces exposed metal, preventing ice and snow buildup for consistent performance in harsh conditions.
- **Superior Windshield Contact:** An aerodynamic wind spoiler creates downward force, ensuring the blade maintains optimal contact with the windshield for clear vision, even at high speeds.



Figure 4: Bosch Clear Advantage wipers providing clear visibility on a rainy windshield

4. MAINTENANCE

Proper maintenance can extend the life and effectiveness of your Bosch Clear Advantage wiper blades.

- **Regular Cleaning:** Periodically clean the rubber blade with a soft cloth or sponge and windshield washer fluid to remove dirt, grime, and road film.
- **Inspect for Damage:** Regularly check the rubber blade for cracks, tears, or hardening. Replace blades if any damage is observed or if they begin to streak or chatter.
- **Avoid Dry Wiping:** Do not operate wipers on a dry windshield as this can damage the blades and scratch the glass. Always use windshield washer fluid.
- **Winter Care:** In freezing conditions, ensure blades are not frozen to the windshield before operating. Gently lift them away from the glass if stuck.

5. TROUBLESHOOTING

If you experience issues with your wiper blades, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Streaking	Dirt/grime on blade, worn blade, windshield contamination.	Clean blade with washer fluid. If persistent, replace blade. Clean windshield thoroughly.
Chattering/Skipping	Blade angle incorrect, hardened rubber, bent wiper arm.	Clean blade. Check wiper arm for bends. Replace blade if rubber is stiff.
Noise (Squeaking/Screeching)	Dry windshield, dirty blade, incorrect blade angle.	Use plenty of washer fluid. Clean blade. Check wiper arm alignment.
Incomplete Wipe	Worn blade, insufficient pressure from wiper arm.	Replace blade. Inspect wiper arm spring tension.

6. SPECIFICATIONS

- **Brand:** Bosch
- **Model:** 28CA (Clear Advantage)
- **Item Length:** 28 Inches
- **Vehicle Service Type:** Car
- **Fit Type:** Vehicle Specific Fit

- **Mounting Type:** Multi-adapter system (including Pin arm, Hook arm, Side lock, Pinch tab, Top lock, BMW Top lock)
- **Blade Material:** Blended natural rubber with graphite-treated wiping edge
- **Design:** Patented beam design with aerodynamic wind spoiler
- **Item Weight:** Approximately 4.2 ounces
- **UPC:** 077212170906

7. WARRANTY AND SUPPORT

Bosch wiper blades are manufactured to high-quality standards. For specific warranty information, please refer to the packaging or visit the official Bosch Automotive website. For technical support or further assistance, please contact Bosch customer service.

Online Resources:

- Bosch Automotive Website: www.bosch.com
- Bosch Automotive Store on Amazon: [Visit Store](#)