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NICECNC NICECNC1212010601

NICECNC Front Brake Line Guide Installation and Maintenance Manual

Model: NICECNC1212010601

1. Product Overview

The NICECNC Front Brake Line Guide is designed to securely route the front brake line and speedometer cable on compatible KTM motorcycles. Constructed from high-strength 6061-T6 aluminum alloy, this guide offers superior durability and corrosion resistance compared to standard plastic components. Its integrated design ensures stable routing, preventing damage and reducing safety risks by keeping cables clear of moving parts and the front wheel.
This guide is compatible with KTM 125-500 XC/SX/XCF/SXF/EXC/EXCF/XCW/XCF-W/XW-F models from 2004-2026, and 690 Enduro/Enduro R/SMC/SMCR models from 2008-2026.



Image 1.1: The NICECNC Front Brake Line Guide in black.

2. Specifications

Feature	Detail
Material	High-strength 6061-T6 Aluminum Alloy
Manufacturing Process	CNC Precision Machining
Surface Treatment	Anodized
Dimensions	5.91 x 5.51 x 0.79 inches
Item Weight	14.1 ounces
Compatibility	KTM 125-500 XC/SX/XCF/SXF/EXC/EXCF/XCW/XCF-W/XW-F (2004-2026), KTM 690 Enduro/Enduro R/SMC/SMCR (2008-2026)

3. Setup and Installation

Proper installation of the brake line guide is essential for safety and optimal performance. Follow these steps carefully.

1. **Prepare the Area:** Ensure your motorcycle is stable on a stand. Clean the area on the front fork where the guide will be installed.
2. **Position the Guide:** Place the NICECNC Front Brake Line Guide around the front fork tube, typically in the upper triangle area, ensuring it aligns with the existing brake line and speedometer cable routing.



Image 3.1: The brake line guide positioned on the motorcycle fork.

3. **Route Cables:** Carefully insert the brake line and speedometer cable into the oval and semi-circular openings of the guide. Ensure both cables sit securely within their respective slots without excessive tension or pinching.



Image 3.2: Detail of the guide's dual openings for brake line and speedometer cable.

4. **Secure the Guide:** Use the provided zip tie to firmly secure the guide to the fork tube. Thread the zip tie through the designated slot on the guide and around the fork tube. Pull the zip tie tight to prevent movement, then trim any excess.



Image 3.3: The guide securely holding the cables in place.

5. **Verify Placement:** After securing, check that the brake line and speedometer cable are routed smoothly, without kinks or obstructions, and that the guide does not interfere with fork compression or steering.

Installation Video

Your browser does not support the video tag.

Video 3.1: This video demonstrates the step-by-step process of installing the NICECNC Front Brake Line Guide on a motorcycle fork, showing how to position the guide, route the cables, and secure it with a zip tie.

4. Operating Principles

The NICECNC Front Brake Line Guide is a passive component designed to maintain the correct routing and position of your motorcycle's front brake line and speedometer cable. Its primary function is to prevent these critical cables from interfering with the front wheel, suspension travel, or other motorcycle components during operation. By keeping the cables organized and stable, it helps ensure consistent brake performance and accurate speedometer readings, contributing to overall riding safety.

5. Maintenance

Regular inspection and maintenance will ensure the longevity and effectiveness of your brake line guide.

- **Visual Inspection:** Periodically check the guide for any signs of damage, cracks, or deformation. Ensure the anodized surface is intact to maintain corrosion resistance.
- **Cable Security:** Verify that the brake line and speedometer cable remain securely seated within the guide's openings. Check the zip tie for tightness and replace if it shows signs of wear or loosening.
- **Cleanliness:** Clean the guide regularly with a mild soap and water solution to remove dirt, mud, and debris. Avoid harsh chemicals that could damage the anodized finish.
- **Interference Check:** Confirm that the guide and cables do not rub against any other parts of the motorcycle, especially during full steering lock or suspension compression. Adjust if necessary.

6. Troubleshooting

- **Guide is Loose:** If the guide moves freely on the fork tube, ensure the zip tie is properly tightened. If the zip tie is worn, replace it with a new, durable one.
- **Cables Not Secure:** Verify that both the brake line and speedometer cable are correctly seated in the guide's oval and semi-circular slots. Adjust their position if they are not fully engaged.
- **Interference with Other Components:** If the guide or cables rub against other parts, re-evaluate the guide's position on the fork tube. Slight adjustments in height or rotation may resolve the issue. Ensure the cables have enough slack for full suspension travel and steering.
- **Damage to Guide:** In case of significant impact or damage to the aluminum guide, it is recommended to replace the unit to ensure continued safety and performance.

7. Warranty and Support

For any questions regarding the NICECNC Front Brake Line Guide, including installation assistance, compatibility concerns, or product defects, please contact NICECNC customer support through the retailer where the product was purchased or visit the official NICECNC website.

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