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NIKKO Tiger Lighter with Hole

NIKKO Welding Tiger Lighter with Hole

Instruction Manual

INTRODUCTION

The NIKKO Welding Tiger Lighter with Hole is a robust ignition tool designed for welding applications. This product is a successor to the original Sato brand, maintaining the quality and reliability expected by professional craftsmen. Please read this manual thoroughly before using the lighter to ensure safe and effective operation.



Image: Front view of the NIKKO Welding Tiger Lighter with Hole.

Key features of this lighter include its compact size, lightweight aluminum construction, and a design optimized for ease of use in welding environments.

SAFETY INFORMATION

WARNING: Improper use can lead to injury or damage to the product. Always follow these safety guidelines:

- **Vibration and Impact:** If the lighter is attached to a carabiner or similar item and subjected to vibration or impact, spring components may become lost or damaged. Exercise extreme caution when carrying or storing the lighter in such a manner.
- **Spring Mechanism:** The spring mechanism is sensitive to vibration. Prolonged hanging or continuous use under vibrating conditions may cause screws to loosen and parts to be lost. Regularly inspect the lighter for any loose components.
- **Flammable Materials:** Keep the lighter away from flammable materials and substances.
- **Children:** Keep out of reach of children. This is not a toy.
- **Heat:** Do not expose the lighter to excessive heat or direct sunlight for extended periods.

SETUP

The NIKKO Welding Tiger Lighter is designed for immediate use. No complex assembly is required.

1. **Unpacking:** Carefully remove the lighter from its packaging.
2. **Initial Inspection:** Before first use, inspect the lighter for any visible damage or loose parts. Ensure the flint wheel rotates freely and the spring-loaded screw is secure.
3. **Flint Check:** Verify that a flint is present and properly seated. The lighter comes with one spare flint and a spring-loaded screw already equipped.



Image: The lighter includes a spring-loaded screw and one spare flint.

OPERATING INSTRUCTIONS

To ignite your welding torch or other equipment, follow these steps:

1. **Positioning:** Hold the lighter firmly by its handle. Position the curved flame receiver directly over the nozzle of the welding torch or gas outlet you wish to ignite.
2. **Ignition:** With your thumb, firmly press down on the flint wheel while simultaneously rotating it against the flint. This action will generate sparks.
3. **Repeat if Necessary:** If ignition does not occur immediately, repeat the process until a flame is produced.
4. **Safety Distance:** Always maintain a safe distance from the ignition point. The curved design of the flame receiver helps direct sparks safely.



Image: Close-up view of the curved flame receiver, designed for effective spark collection.

MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your NIKKO Welding Tiger Lighter.

- **Flint Replacement:** When sparks become weak or cease, it is time to replace the flint. Unscrew the spring-loaded screw at the base of the flint mechanism, remove the old flint, insert a new one, and re-secure the screw.
- **Cleaning:** Periodically clean any accumulated debris or carbon buildup from the flint wheel and flame receiver using a dry brush or cloth.
- **Screw Tightness:** Due to vibrations during use or transport, screws, especially those related to the spring mechanism, may loosen. Regularly check and tighten all screws to prevent parts from becoming lost.
- **Storage:** Store the lighter in a clean, dry place, away from excessive heat and moisture.



Image: Close-up of the ignition mechanism, showing the flint wheel and spring-loaded screw for flint replacement.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Lighter does not produce sparks.	Worn-out flint or flint not properly seated.	Replace the flint. Ensure the new flint is correctly inserted and the spring-loaded screw is tightened.

Problem	Possible Cause	Solution
Flint wheel is stiff or difficult to rotate.	Debris or carbon buildup around the wheel.	Clean the flint wheel and surrounding area with a dry brush.
Parts feel loose or rattle.	Screws have loosened due to vibration or use.	Carefully inspect all screws and tighten them as needed. Refer to the Safety Information regarding vibration.

SPECIFICATIONS

- **Brand:** NIKKO
- **Model:** Tiger Lighter with Hole
- **Manufacturer:** NIKKO
- **Material:** Aluminum
- **Color:** Silver
- **Style:** Modern
- **Dimensions:** Approximately 16 cm x 5.2 cm
- **Weight:** Approximately 58g
- **ASIN:** B08V16G2ML



Image: The lighter's dimensions are approximately 16 cm x 5.2 cm, and it weighs about 58g.



Image: Detail of the hole on the handle, allowing for attachment or hanging.

