

Tormek HTK-806

Tormek HTK-1006 Hand Tool Kit Instruction Manual

Model: HTK-806

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1. INTRODUCTION

The Tormek HTK-1006 Hand Tool Kit is a comprehensive sharpening solution designed for a wide range of hand tools. This kit provides precision jigs to achieve razor-sharp edges on knives, scissors, axes, chisels, and carving tools when used with a Tormek sharpening system. The components are organized within a durable case for protection and easy transport.

2. SAFETY INFORMATION

Always prioritize safety when operating sharpening equipment. Read and understand all instructions before use.

- **Read the Tormek Sharpening System Manual:** This kit is an accessory. Always refer to the main manual of your Tormek sharpening machine for general safety guidelines and operating procedures.
- **Wear Eye Protection:** Always wear appropriate eye protection to shield against sparks or debris.
- **Keep Hands Clear:** Maintain a safe distance from the grinding wheel and honing wheel during operation.
- **Secure Workpiece:** Ensure all tools are securely clamped in the appropriate jig before sharpening.
- **Unplug When Not in Use:** Disconnect the power to your Tormek sharpening machine when changing jigs, performing maintenance, or when the machine is not in use.
- **Keep Children Away:** Sharpening equipment should be operated by adults only. Keep children and unauthorized persons away from the work area.
- **Use in a Well-Ventilated Area:** Ensure adequate ventilation to disperse any dust or fumes.

3. PACKAGE CONTENTS

The Tormek HTK-1006 Hand Tool Kit includes the following components:

- **SVM-45 Knife Jig:** For sharpening knives of various lengths.
- **SVM-140 Long Knife Jig:** For sharpening longer knives and filleting knives.

- **SC-60 Scissor Jig:** Specifically designed for sharpening scissors.
- **SVA-170 Axe Jig:** For sharpening axes and hatchets.
- **SVD-186 Gouge Jig:** For sharpening gouges and carving tools.
- **SVS-38 Short Tool Jig:** For sharpening short carving tools and V-tools.
- **Tormek Case:** Durable storage case with custom-fitted EPP storage tray.



Image 1: The Tormek HTK-1006 Hand Tool Kit, neatly organized within its protective case.



Image 2: Close-up view of the custom-fitted EPP storage tray, showcasing the various jigs included in the HTK-1006 kit.

4. SETUP

Before using any jig from the HTK-1006 kit, ensure your Tormek sharpening system is properly set up and ready for operation according to its own instruction manual.

1. **Unpack the Kit:** Carefully remove the Tormek case from its packaging.
2. **Familiarize Yourself with Jigs:** Identify each jig by its name and intended use as listed in the "Package Contents" section.
3. **Prepare Your Tormek Machine:** Ensure the grinding wheel is properly mounted and conditioned, and the water trough is filled.
4. **Mount the Universal Support:** The universal support bar is crucial for all Tormek jigs. Mount it securely on your Tormek machine. The specific mounting position (horizontal or vertical) will depend on the jig and the tool being sharpened.
5. **Select the Appropriate Jig:** Choose the jig that matches the tool you intend to sharpen.

5. OPERATING INSTRUCTIONS

Each jig in the HTK-1006 kit is designed for specific tools. Always refer to the individual jig's instructions for detailed guidance on setting angles and sharpening techniques. The following provides a general overview.

5.1. Sharpening Knives (SVM-45 & SVM-140)

The SVM-45 Knife Jig is suitable for most knives, while the SVM-140 Long Knife Jig is ideal for longer blades. Both jigs ensure a consistent sharpening angle.

1. **Mount the Universal Support:** Position the universal support bar horizontally.
2. **Secure the Knife:** Clamp the knife securely in the jig with the edge facing away from the clamp. Ensure the blade is straight and centered.
3. **Set the Angle:** Use the AngleMaster (sold separately with Tormek machines) to set the desired sharpening angle against the grinding wheel. Adjust the universal support bar height until the correct angle is achieved.
4. **Sharpen:** With the Tormek machine running, gently guide the knife edge against the rotating grinding wheel, moving it from heel to tip. Apply light, even pressure.
5. **Hone:** After sharpening, move to the honing wheel to remove the burr and polish the edge.

5.2. Sharpening Scissors (SC-60)

The SC-60 Scissor Jig allows for precise sharpening of various types of scissors.

1. **Mount the Universal Support:** Position the universal support bar horizontally.
2. **Mount the Scissor Jig:** Attach the SC-60 jig to the universal support.
3. **Secure the Scissor Blade:** Clamp one blade of the scissors in the jig. The flat side of the blade should rest against the jig's stop.
4. **Set the Angle:** Adjust the universal support bar to achieve the correct sharpening angle for the scissor blade.
5. **Sharpen:** With the Tormek machine running, move the clamped scissor blade across the grinding wheel. Repeat for the other blade.
6. **Hone:** Lightly hone both blades on the honing wheel.

5.3. Sharpening Axes (SVA-170)

The SVA-170 Axe Jig provides a secure method for sharpening axes and hatchets, ensuring a durable and sharp edge.

1. **Mount the Universal Support:** Position the universal support bar horizontally.
2. **Secure the Axe:** Clamp the axe head firmly in the SVA-170 jig. Ensure the blade is centered and stable.
3. **Set the Angle:** Adjust the universal support bar to set the desired sharpening angle for the axe.
4. **Sharpen:** With the Tormek machine running, carefully guide the axe blade against the grinding wheel, moving it evenly across the edge.
5. **Hone:** Finish by honing the axe blade on the honing wheel to remove any burr.

5.4. Sharpening Carving Tools (SVD-186 & SVS-38)

The SVD-186 Gouge Jig and SVS-38 Short Tool Jig are designed for various carving tools, including gouges, V-tools, and other short, shaped tools.

1. **Mount the Universal Support:** Position the universal support bar vertically for most carving tools.
2. **Secure the Tool:** Clamp the carving tool securely in the appropriate jig (SVD-186 for gouges, SVS-38 for short tools).
3. **Set the Angle:** Adjust the universal support bar and the jig's settings to achieve the correct sharpening angle and shape for the carving tool.
4. **Sharpen:** With the Tormek machine running, carefully present the tool to the grinding wheel, rotating or oscillating as needed to maintain the tool's profile.
5. **Hone:** Use the honing wheel and profile leather honing wheels (if applicable) to remove the burr and polish the edge.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your Tormek HTK-1006 Hand Tool Kit.

- **Clean Jigs After Use:** After each sharpening session, clean all jigs to remove grinding dust and metal particles. Use a damp cloth and dry thoroughly.
- **Inspect for Wear:** Regularly inspect the jigs for any signs of wear, damage, or corrosion. Replace any damaged parts immediately.
- **Store Properly:** Always store the jigs back in the custom-fitted EPP storage tray within the Tormek case. This protects them from damage and keeps them organized.
- **Keep Case Clean:** Wipe down the exterior of the Tormek case as needed to keep it free from dust and grime.

7. TROUBLESHOOTING

This section addresses common issues that may arise when using the HTK-1006 jigs. For issues related to the Tormek sharpening machine itself, refer to its dedicated manual.

- **Tool Not Holding Edge:**
 - Ensure the correct sharpening angle was set using the AngleMaster.
 - Verify that the burr was fully formed and then completely removed during honing.
 - Check the condition of your grinding wheel; it may need truing or conditioning.
- **Jig Not Clamping Securely:**
 - Ensure the tool is clean and free of debris where it contacts the jig.
 - Tighten the clamping screws firmly, but do not overtighten.
 - Inspect the jig for any damage or wear that might affect clamping.

- **Uneven Sharpening:**

- Ensure the universal support bar is securely mounted and not flexing.
- Maintain consistent pressure and movement across the grinding wheel.
- Check that the tool is properly centered and aligned in the jig.

8. SPECIFICATIONS

Model Number	HTK-806
Product Dimensions	12.6 x 3.94 x 16.14 inches
Item Weight	8.14 pounds (3.7 Kilograms)
Material	PPCO
Color	Black
Manufacturer	TORMEK
Number of Items	1 (Kit containing multiple jigs)

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Tormek HTK-1006 Hand Tool Kit, please refer to the documentation provided with your original Tormek sharpening machine or visit the official Tormek website. For technical support, product inquiries, or to purchase replacement parts, please contact Tormek customer service directly.

Tormek Official Website: www.tormek.com