

TORMEK TNT-808

Tormek TNT-808 Woodturner's Sharpening Kit Instruction Manual

Model: TNT-808

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1. INTRODUCTION

The Tormek TNT-808 Woodturner's Sharpening Kit provides a comprehensive solution for shaping and sharpening all your woodturning tools. This kit is designed to work seamlessly with Tormek T-8, T-7, T-4, T-3, and Supergrind sharpening systems, ensuring precision and ease of use. It includes specialized jigs and accessories to maintain the sharpness and longevity of your tools.

2. SAFETY INFORMATION

Always prioritize safety when operating sharpening equipment. Read and understand all instructions before use. Keep hands clear of moving parts and grinding wheels. Wear appropriate personal protective equipment, including eye protection. Ensure the sharpening machine is stable and securely placed on a flat surface. Disconnect power before performing any maintenance or adjustments. Keep children and unauthorized personnel away from the sharpening area.

3. PACKAGE CONTENTS

The Tormek TNT-808 Woodturner's Sharpening Kit includes the following components, neatly organized in a durable storage case:

- Gouge Jig (SVD-186)
- Multi Jig (SVS-50)
- Turning Tool Setter (TTS-100)
- Profiled Leather Honing Wheels (LA-120)

- Machine Cover
- Tormek Storage Case with EPP insert
- Instruction Manual and DVD (if applicable)
- Marker for edge marking



Figure 3.1: Overview of the Tormek TNT-808 Woodturner's Sharpening Kit components, including jigs, honing wheels, and instruction materials.



Figure 3.2: The Tormek TNT-808 kit components securely stored in the custom-fit EPP insert within the Tormek case.



Figure 3.3: The robust Tormek storage case with a clear lid, designed for organizing and protecting the sharpening jigs and accessories.

4. SETUP

Before using the TNT-808 kit, ensure your Tormek sharpening machine (T-8, T-7, T-4, T-3, or Supergrind) is properly set up according to its own instruction manual. The TNT-808 jigs are designed to integrate with the Universal Support of your Tormek machine.

4.1 Attaching Jigs to the Universal Support

1. Insert the Universal Support bar into the appropriate holes on your Tormek machine.
2. Secure the Universal Support firmly.
3. Attach the desired jig (e.g., SVD-186 Gouge Jig or SVS-50 Multi Jig) to the Universal Support. Ensure it is tightened securely to prevent movement during sharpening.
4. Adjust the position of the jig and the Universal Support to achieve the correct angle for your tool.

5. OPERATING INSTRUCTIONS

This section details the use of the various jigs included in the TNT-808 kit for sharpening different woodturning tools.

5.1 Sharpening Gouges with SVD-186 Gouge Jig

The SVD-186 Gouge Jig is ideal for sharpening bowl gouges, spindle gouges, and carving gouges to a precise, consistent edge.

1. Mount the SVD-186 jig onto the Universal Support.
2. Secure your gouge in the jig's clamp.
3. Use the TTS-100 Turning Tool Setter to accurately set the grinding angle and projection of the tool. Refer to the TTS-100 instructions for specific settings for different gouge types and bevel angles.
4. Engage the tool with the grinding wheel, applying light, even pressure. Move the tool smoothly across the wheel to create a consistent bevel.
5. Periodically check the edge with a marker to ensure the entire bevel is being sharpened.

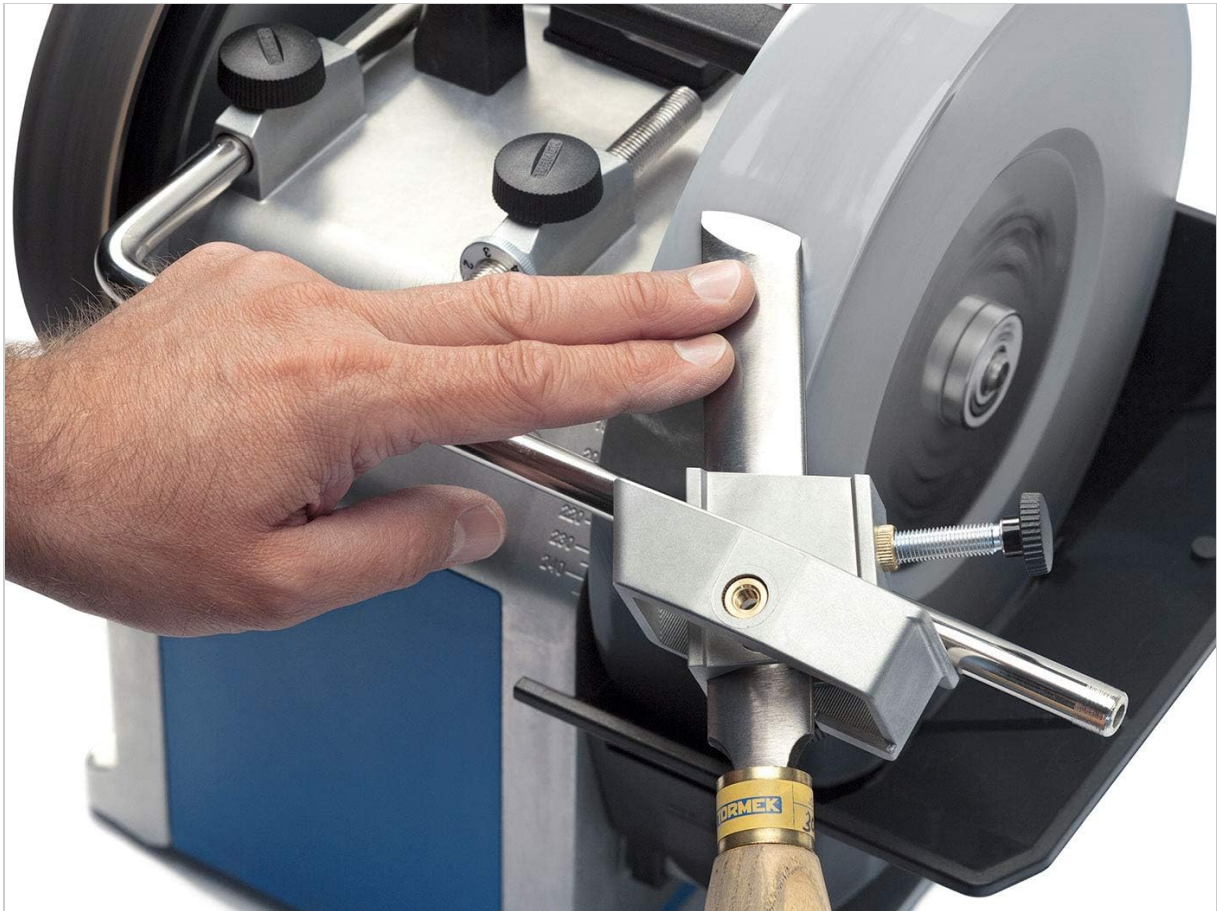


Figure 5.1: A woodturning gouge being sharpened on a Tormek machine using the SVD-186 Gouge Jig, ensuring a precise and repeatable edge.

5.2 Sharpening Skew Chisels and Parting Tools with SVS-50 Multi Jig

The SVS-50 Multi Jig is versatile for sharpening skew chisels, parting tools, and other straight-edged tools.

1. Attach the SVS-50 jig to the Universal Support.
2. Clamp your skew chisel or parting tool securely in the jig.
3. Adjust the jig and Universal Support to achieve the desired bevel angle. For skew chisels, ensure the skew angle is maintained.
4. Grind the tool against the wheel, moving it consistently to sharpen the entire bevel.

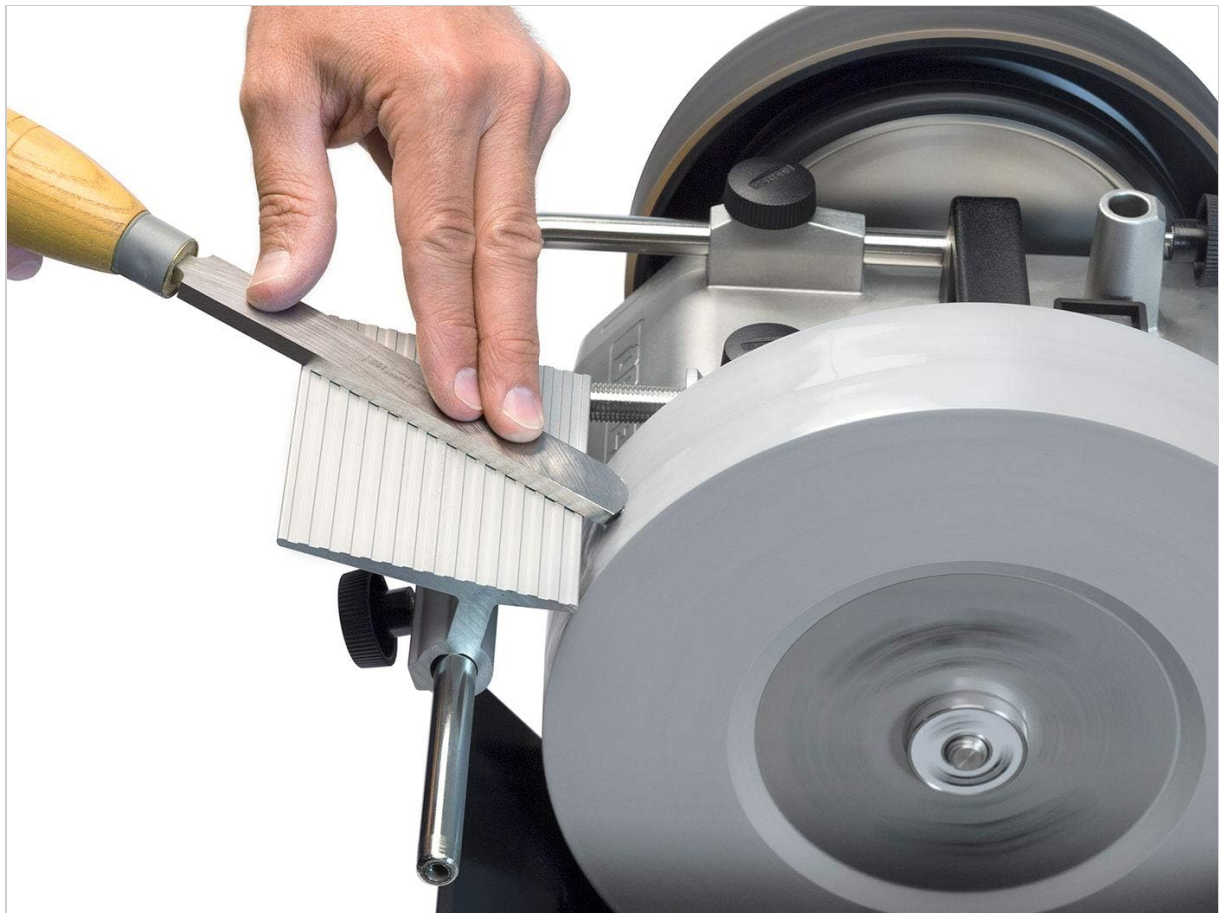


Figure 5.2: A woodturning chisel being sharpened on a Tormek machine with the SVS-50 Multi Jig, providing stability and control for straight edges.

5.3 Using the TTS-100 Turning Tool Setter

The TTS-100 is crucial for replicating exact edge angles and shapes on your turning tools, ensuring consistent results every time.

1. Place the TTS-100 on the Universal Support.
2. Insert your tool (already clamped in its respective jig) into the TTS-100.
3. Adjust the Universal Support and the jig until the tool's edge aligns with the desired angle and projection indicated on the TTS-100.
4. Once set, remove the TTS-100 and proceed with sharpening.

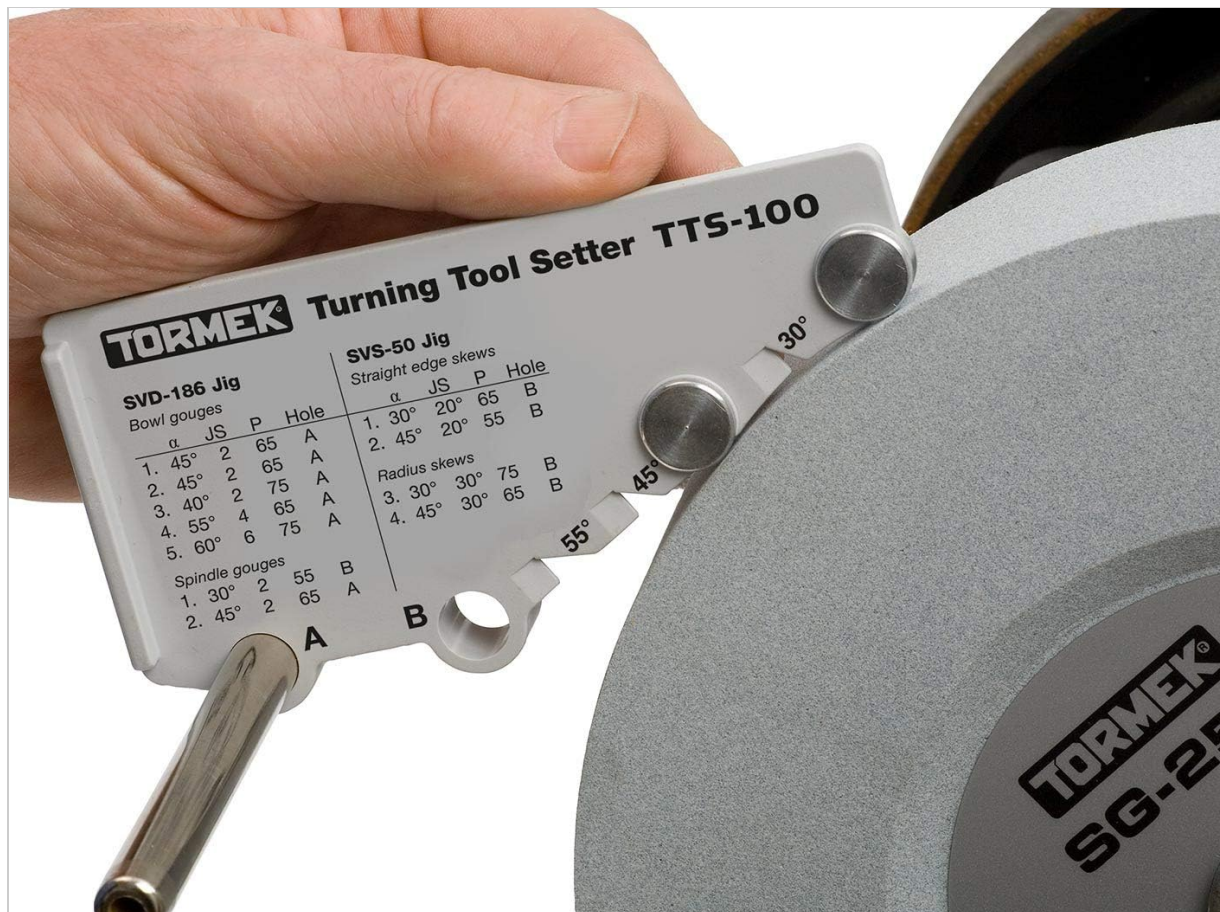


Figure 5.3: The TTS-100 Turning Tool Setter being used to precisely set the angle of a woodturning tool before sharpening, ensuring repeatable results.

5.4 Honing with LA-120 Profiled Leather Honing Wheels

After grinding, honing on the leather wheels removes the burr and polishes the edge to razor sharpness.

1. Apply Tormek Honing Compound to the leather honing wheels.
2. Engage the tool with the appropriate profile of the leather wheel. For gouges, use the inner or outer profile as needed.
3. Apply light pressure and move the tool across the wheel until the burr is removed and the edge is polished.



Figure 5.4: A woodturning tool being honed on the Tormek LA-120 Profiled Leather Honing Wheels, achieving a polished, razor-sharp edge.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your Tormek TNT-808 kit components.

- **Cleaning Jigs:** After each use, wipe down all jigs with a clean, dry cloth to remove any grinding dust or moisture.
- **Leather Honing Wheels:** Keep the leather wheels clean and regularly apply Tormek Honing Compound as needed. Do not allow them to dry out completely.
- **Storage:** Store all components in the provided Tormek storage case to protect them from dust, moisture, and damage. The EPP insert is designed to keep each item securely in place.
- **Machine Cover:** Use the included machine cover to protect your Tormek sharpening machine from dust when not in use.



Figure 6.1: The Tormek machine cover, designed to protect your sharpening system from dust and debris when not in operation.

7. TROUBLESHOOTING

This section addresses common issues you might encounter and provides solutions.

Problem	Possible Cause	Solution
Tool not sharpening evenly.	Jig not securely clamped; Universal Support not stable; inconsistent pressure.	Ensure all clamps are tight. Verify Universal Support stability. Apply consistent, light pressure and smooth movement.
Burr remains after sharpening.	Insufficient honing; honing compound not applied.	Hone for a longer duration. Ensure Tormek Honing Compound is applied to the leather wheels.
Difficulty replicating angles.	TTS-100 not used correctly; Universal Support position shifted.	Re-check settings with the TTS-100. Ensure Universal Support is locked in place.

8. SPECIFICATIONS

Key specifications for the Tormek TNT-808 Woodturner's Sharpening Kit:

- **Brand:** TORMEK
- **Model Number:** 423066 (TNT-808)
- **Material:** Zinc Alloy (jigs), EPP (case insert)

- **Color:** Dark Grey
- **Product Dimensions (L x W x H):** 9.8 x 40.3 x 30.8 cm (3.86 x 15.87 x 12.13 inches)
- **Item Weight:** 2 Kilograms (4.4 lbs)
- **International Article Number (EAN):** 07392485007104
- **Compatibility:** Tormek T-8, T-7, T-4, T-3, and Supergrind sharpening systems.

9. WARRANTY & SUPPORT

9.1 Warranty Information

Tormek products are known for their quality and durability. For specific warranty terms and conditions applicable to your region, please refer to the warranty card included with your product or visit the official Tormek website. Keep your proof of purchase for warranty claims.

9.2 Customer Support

Should you require assistance with your Tormek TNT-808 kit, have questions about its operation, or need to order replacement parts, please contact Tormek customer support. You can find contact information on the official Tormek website or through your local authorized dealer.

Official Tormek Website: www.tormek.com