

# Tormek® Compatible Support System for Delta Universal Wet/Dry Grinder (Model 23-700)

**NOTICE:** Prospective users should be aware that this product is not endorsed by Delta or Tormek® and the user assumes all risk and liability for its use. In no event shall the seller, developer or manufacturer be held liable for damage or injury to persons, property or equipment. Installation of this product implies acceptance of these terms.

## Overview

This kit enables owners of the Delta 23-700 Universal Wet/Dry Grinder to expand the capabilities of this popular machine, by allowing one to make use of an extensive array of Tormek® jigs. This kit includes one vertical and one horizontal mount that support a Tormek Universal Support (Sold Separately, Tormek® Part No. US-105, Woodcraft Catalog #144866). A Tormek® toolpost can be used with the vertical mount to support jigs that are designed to be used with the wheel turning toward the operator. Similarly, a toolpost can be used with the horizontal mount to support jigs that are designed to be used with the wheel turning away from the operator (Figure 1).



Fig. 1 Horizontally mounted toolpost.



Fig. 2 Vertically mounted toolpost.

The vertical support mounts underneath of the base of the original flat toolrest support that can be folded out of the way when the vertical support is in use (Figure 2). When you want to use the flat toolrest, you can simply remove the toolpost from the vertical mount because the mount does not interfere with the flat toolrest.

# Installation

**CAUTION: Disconnect grinder from power source until installation is completed.**

The kit contains one Vertical Mount (A), one Horizontal Mount (B), 4 Toolpost Locking Knobs (C), 4 Bolts with Flat and Lock Washers (D).

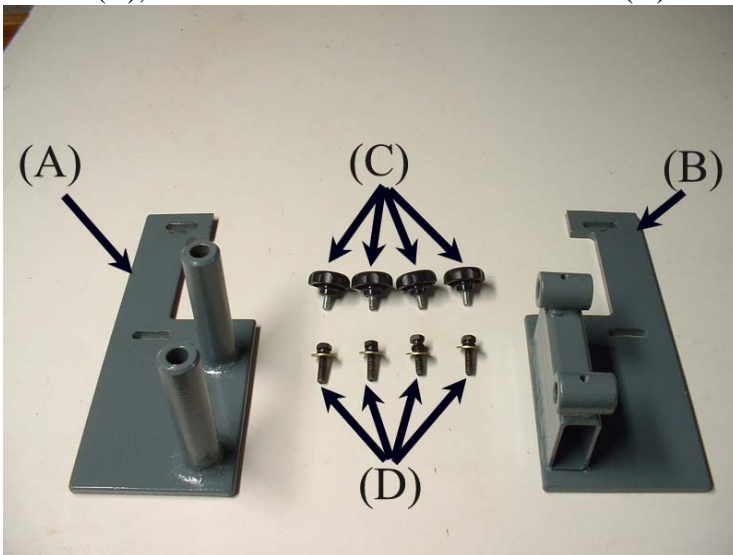


Fig. 3 Contents of the kit

## Assembling the Mounts

Turn the Toolpost Locking knobs (C) into the tapped holes in (A) and (B) as shown in Figures 4-5.

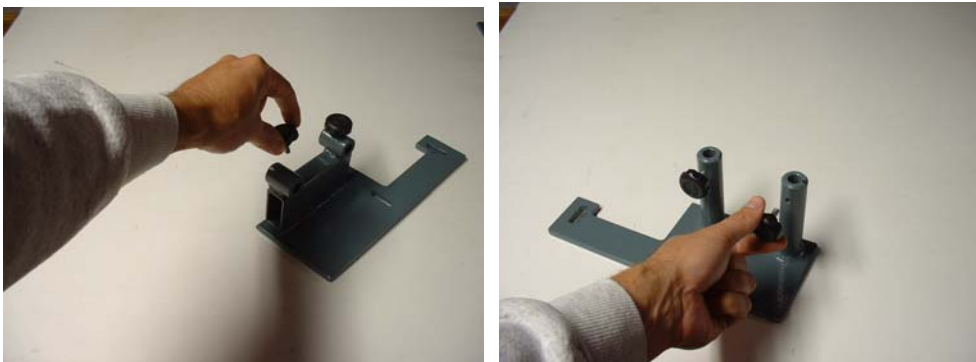


Fig. 4 Knob Installation (Horizontal) Fig. 5 Knob Installation (Vertical)

## Removal of Original Flat Toolrest

Remove the Delta 23-700 flat toolrest by loosening the two 1" hex head bolts (E) that secure it to the machine (Figure 6).

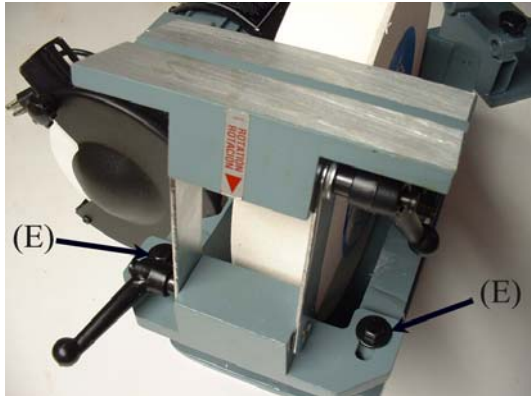


Fig. 6 Removal of Flat Toolrest

## Installation of Vertical Toolpost Mount with Original Flat Toolrest

Align the two slots (F) in the base of the vertical mount (A) with the threaded holes that held the original flat toolrest (Figure 7). Align the slots of the base of the original flat toolrest with the slots from the vertical mount (Figure 8) and insert two supplied hex head bolts with flat and locking washers (D) into the matched slots and hand tighten. Insert a toolpost into the vertical mount and adjust the base until the jig support portion of the toolpost and flat toolrest run square to the grinding wheel (Figure 9). Tighten mounting bolts until the lock washers are fully compressed (Figure 10)

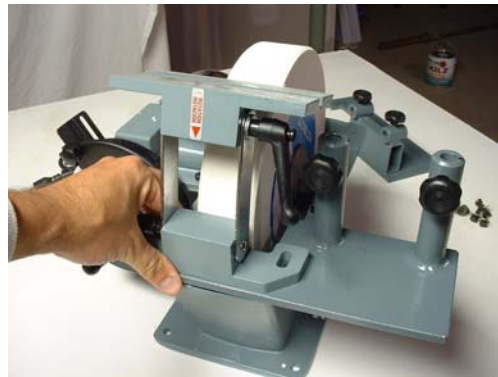
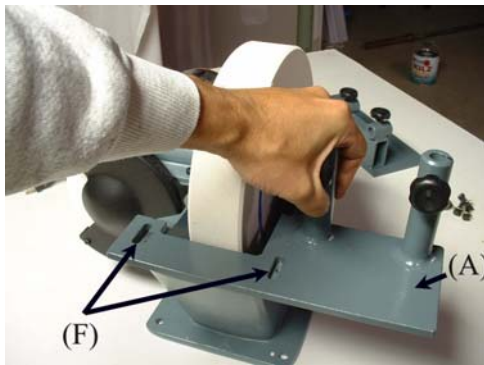


Fig 7. Alignment of base with machine. Fig 8. Alignment of toolrest and mount bases

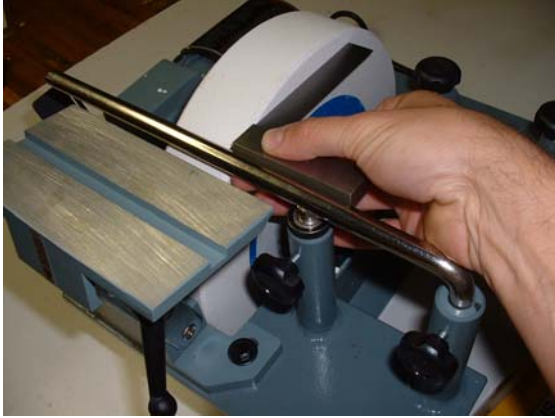


Fig. 9 Squaring the vertical mount



Fig. 10 Completed vertical mount installation

### Installation of Horizontal Toolpost Mount

Align the two slots (G) in the base of the horizontal mount (B) with the threaded holes on the right hand side (when viewed from the back) of the water trough (Figure 11). Insert two supplied hex head bolts with flat and locking washers (D) into the holes and hand tighten. As shown in Figure 12, insert a toolpost and adjust the position so that the jig support portion of the toolpost is square to the side of the grinding wheel. Tighten the mounting bolts until the lock washers are fully compressed (Figure 13).

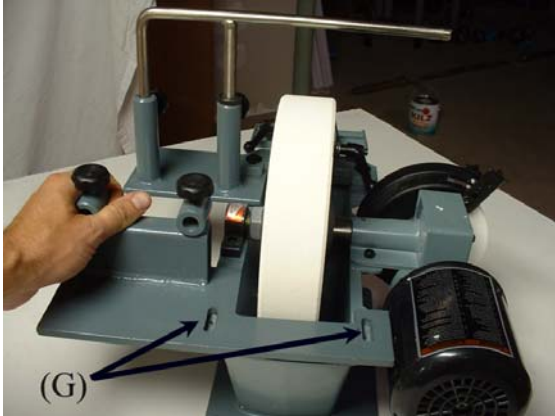


Fig 11. Alignment of horizontal base

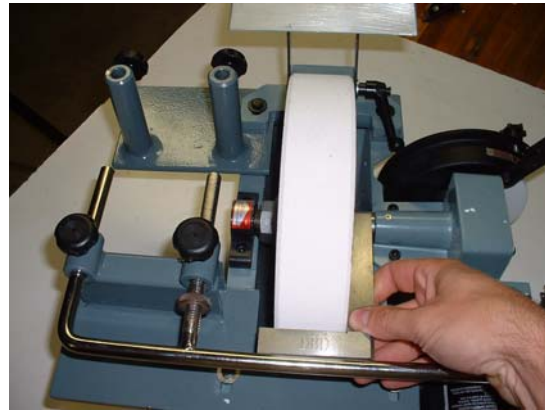


Fig 12. Squaring horizontal mount

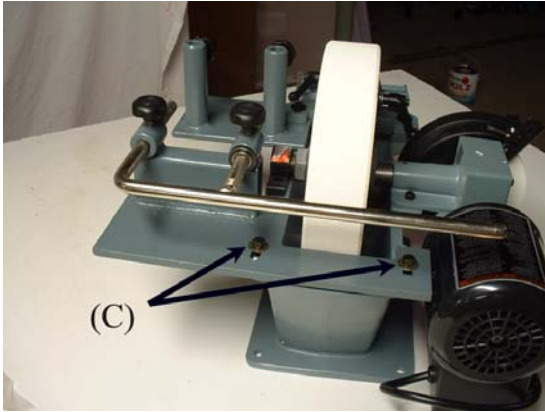


Fig. 13 Horizontal Base Installed

### Toolpost Installation

The Tormek® Universal Toolpost (Tormek® Part No. US-105, Woodcraft Catalog #144866) can be inserted into the holes in either mounting base. Before mounting the toolpost in the vertical position, rotate the flat toolrest out of the way as shown in Figure 14. The toolpost is mounted in the horizontal position, in Figure 15. Adjust the toolpost to the proper position for the particular jig that you are using and lock the toolpost into position by tightening the locking knobs.



Fig 14. Vertically mounted toolpost



Fig 15. Horizontally mounted toolpost.

## **Safety**

**Grinding and sharpening is inherently hazardous, follow all safety guidelines found in the instruction manual for the Delta 23-700. Additionally, be sure to turn off the grinder before making adjustments to the toolpost and carefully follow all instructions provided with any jigs that you will be using.**