



MODEL T10501 WOOD LATHE CENTER KIT INSTRUCTIONS

For questions or help with this product contact Tech Support at (570) 546-9663 or techsupport@grizzly.com

Introduction

The T10501 Wood Lathe Center Kit provides a variety of centers for the specific weight, size, and wood type of the workpiece to be turned.

This 9-piece kit is designed for a lathe with a 1" x 8 TPI (RH) spindle and a tailstock that accepts MT#1 or MT#2 tooling.

The included mounting adapter accepts the six accompanying 5/8", 1", and 1 1/2" diameter four-spur and multi-spur drive centers. The MT#1 and MT#2 live centers offer rigidity while providing ample tool clearance. Two wrenches are provided for tightening and loosening the mounting adapter and drive centers to the spindle.

Inventory (see Figure 1)

Description	Qty
A. Live Center MT#2	1
B. Live Center MT#1	1
C. Spur-Drive Center 5/8"	1
D. Spur-Drive Center 1"	1
E. Spur-Drive Center 1 1/2"	1
F. Multi-Spur Drive Center 5/8"	1
G. Multi-Spur Drive Center 1"	1
H. Multi-Spur Drive Center 1 1/2"	1
I. Wrenches	2
J. Mounting Adapter 1" x 8 TPI	1

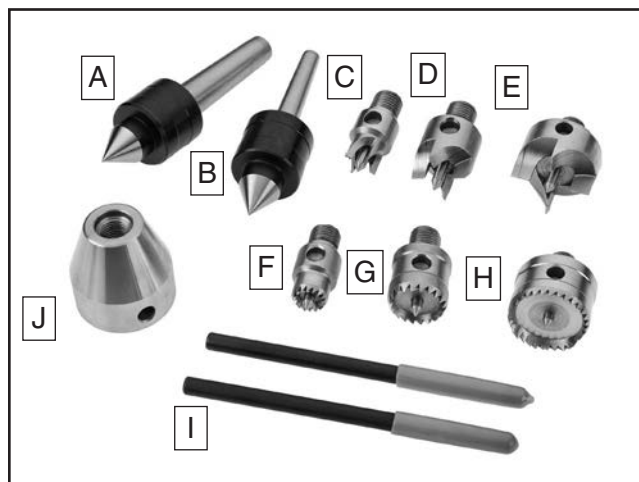


Figure 1. T10501 inventory.

Assembly

This 9-piece center kit is designed for quick and easy installation.

Select the spur-drive center according to workpiece size, wood type, and moisture content. Spur drive centers are best for soft or wet wood, while shorter toothed multi-spur drive centers are ideal for dry or hardwood.

Spur Center

To install a drive center onto spindle:

1. DISCONNECT LATHE FROM POWER!
2. Make sure threads of spindle and mounting adapter are free of debris.
3. Thread the 1" female end of the mounting adapter onto threaded spindle of headstock. Holding spindle in place, firmly tighten adapter using one of the wrenches provided.
4. Select drive center best suited for workpiece to be turned. Thread the $\frac{5}{8}$ " male end of drive center into female end of the mounting adapter.
5. Place wrenches in both mounting adapter and drive center, as shown in **Figure 2**. While holding mounting adapter, firmly tighten drive center.

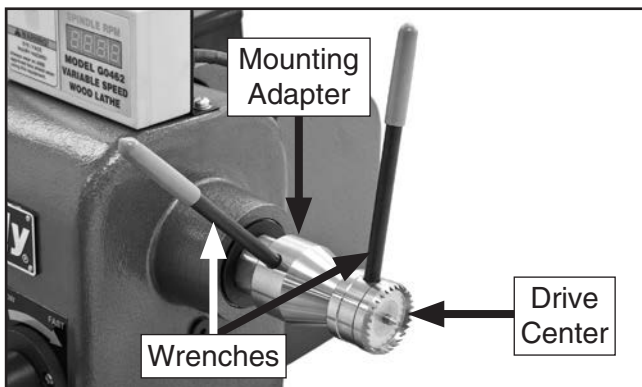


Figure 2. Attaching drive center to adapter.

To remove center and adapter from spindle:

1. DISCONNECT LATHE FROM POWER!
2. Insert wrenches into hole on the mounting adapter and drive center. While firmly holding wrench, loosen the drive center by rotating it counterclockwise.
3. Remove drive center by hand.
4. While holding the spindle in place, use one of the wrenches to remove mounting adapter from the spindle.

Live Center

MT#1 and MT#2 live centers install into tailstock quill and freely rotate with workpiece.

To install a live center:

1. Move the tailstock to a safe working distance from the head and tool rest.
2. Loosen quill lock lever, then rotate quill handwheel clockwise until quill extends out from tailstock about 1", as shown in **Figure 3**.



Figure 3. Installed live center.

3. Make sure live center and inside of quill are free of debris and oily substances that could interfere with proper mating.
4. Insert tapered end of live center into quill with a quick, firm motion.
5. Make sure center is secure by attempting to pull it out by hand—a properly installed center will not pull out by hand.
6. Rotate quill handwheel to draw quill back into tailstock as far as possible without forcing center to release.

Note: For greatest workpiece support, retract quill as close to tailstock as possible without disengaging live center.

7. Tighten quill lock lever to hold quill and center in place.

To remove a live center:

1. While holding onto live center, retract quill into tailstock with handwheel until center becomes disengaged.

