




Model # 3452A

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Digital Readout for Cutting Depth Assembly Guide

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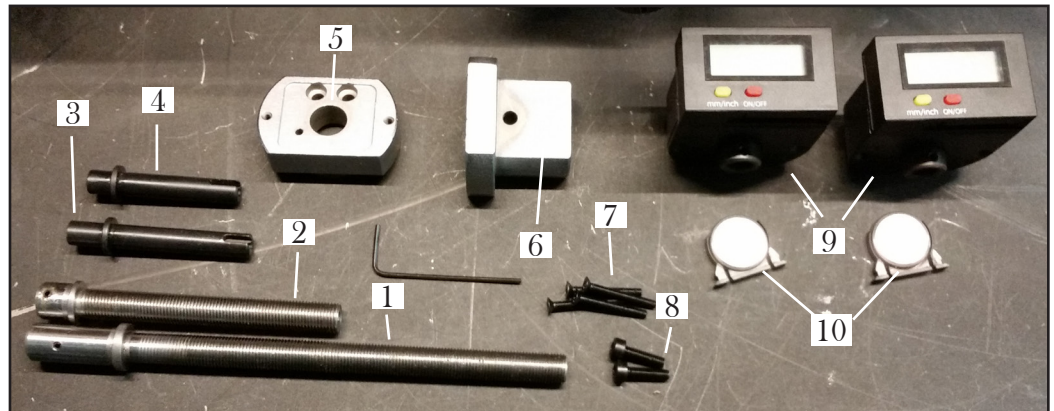
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ASSEMBLY

NOTE: The following assembly instructions were written in regards to the WEN 3455 Metal Lathe. Although this particular kit can fit on multiple styles and sizes of metal lathes, part numbers within this manual will refer to the exploded view for the 3455 Metal Lathe found on page 4.

UNPACKING

1. Cross Feed Screw
2. Compound Feed Screw
3. Cross Transition Shaft
4. Compound Transition Shaft
5. Compound Bracket
6. Cross Bracket
7. M3x25 Screw (4)
8. M4x12 Screw (2)
9. Digital Readout Box (2)
10. CR2032 Battery (2)



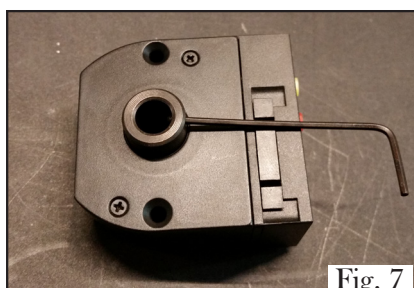
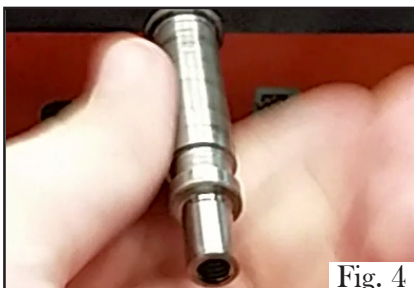
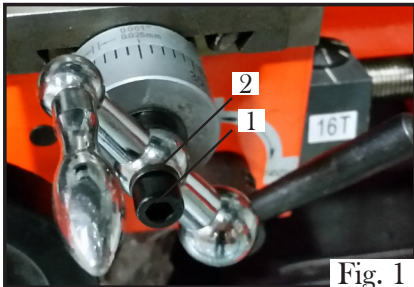
NOTE: CR2032 batteries are already installed inside digital readout boxes. There is no need to remove them unless they need to be replaced.

ASSEMBLY

CROSS SIDE ASSEMBLY

NOTE: The numbers listed below correspond to the figure numbers shown in the pictures.

1. Remove the screw (Fig. 1 - 1) and lock washer (Fig. 1 - 2) (parts 52 and 192) holding the cross slide handle (86A) onto the cross slide screw (89).
2. Remove the dial (87) and spring (190) from cross slide screw. It may take some gentle prying.
3. Remove the dial bracket (88) from the cross slide using a hex wrench. Unscrew the two screws (116).
4. Remove the current cross feed screw by turning it clockwise (it is left-hand threaded). Set it aside.
5. Insert the new cross feed screw. Turn it counterclockwise to tighten. Note the position of the set screw; it will be needed later.
6. Mount the new cross bracket on the cross feed screw. Tighten using the two included M4x12 screws.
7. Check the digital readout box to ensure that the set screw is retracted far enough to allow insertion of the cross slide transition shaft.
8. Mount the digital readout box on the cross slide screw. Secure to the bracket with two included M3x25 screws, but do not tighten all the way yet.
9. Assemble the screw, lock washer, and handle from earlier onto the cross slide transition shaft.



ASSEMBLY

10. Assemble the handle assembly onto the slide screw. Make sure that the notch at the end of the transition shaft mates with the set screw in the cross slide screw (refer to Step 5 and its picture). Press the transition shaft up flush against the flange of the digital readout box. Tighten the set screw on the digital readout box once the transition shaft is securely in place, and turning the handle moves the cross slide forward or back, as appropriate. Tighten the included two M3x25 screws on the digital readout box (see Step 8).

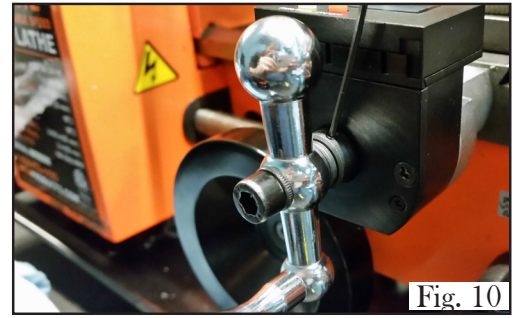


Fig. 10

COMPOUND SIDE ASSEMBLY

NOTE: The numbers listed below correspond to the figure numbers shown in the pictures.

11. Disassemble the screw (52), lock washer (192), handle (86B), and bushing (119) from the compound slide. Remove the dial (87) and spring (190) as well. Refer to Step 2.

12. Remove the dial bracket (115) from the compound slide by unscrewing the two hex screws (116). Remove the compound feed screw by turning it counterclockwise (it is right-hand threaded).

13. Assemble the compound bracket and new feed screw (Fig 13 - A, B, C).

14. Mount this assembly onto the compound slide by turning the feed screw clockwise to tighten. Once it is at an acceptable depth (that is, it has been securely screwed into the compound slide), slide the compound slide up against the assembly as shown below. Use the two M4x25 screws removed in Step 12 to secure the bracket assembly to the compound slide. NOTE: the screws may be difficult to properly set in the holes drilled through the bracket. Lightly tap them into position with a rubber mallet, then tighten into the compound slide using a hex wrench.

15. In a similar manner to Step 8, mount the remaining digital readout box on the compound slide using two included M3x25 screws. Do not fully tighten screws yet. Make sure to check the set screw (refer to Step 7) so the transition shaft assembly can be inserted in Step 17.

16. In a similar manner to Step 9, assemble the screw, lock washer, and handle from step 11 onto the compound slide transition shaft.

17. In a similar manner to step 10, slide the handle assembly into the compound slide feed screw, ensuring that the notch in the transition shaft and the set screw in the feed screw are aligned. Press the handle assembly up flush against the flange of the digital readout box. Secure with the set screw.



Fig. 11

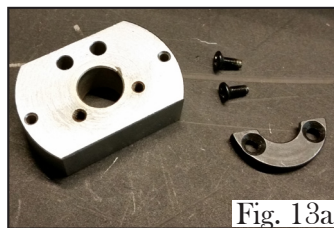


Fig. 13a

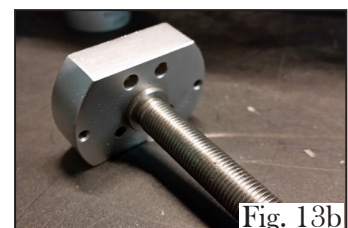


Fig. 13b

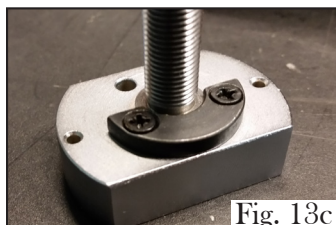


Fig. 13c

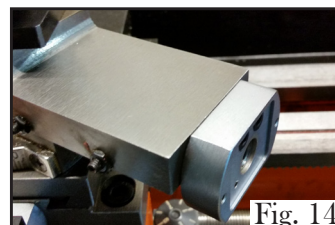


Fig. 14

WEN 3455 METAL LATHE

This assembly instruction guide references the WEN Variable Speed 7 by 12 Inch Two-Direction Benchtop Metal Lathe (Model 3455) exploded view and parts list. To view the manual for this item, please visit www.wenproducts.com and search for "3455". Locate the "Download" tab and download the manual for additional information.

