



Below are some notes on disassembly and reassembly of National Radio PW micrometer dial.

**GEAR DRIVE UNITS with micrometer dial**

	<b>NPW-O</b>	<b>List \$</b>
	<b>PW-O</b>	<b>List \$</b>

Uses parts similar to the NPW condenser. Drive shaft perpendicular to panel. One TX-9 coupling supplied.

Uses parts similar to the PW condenser. Drive shaft parallel to panel. Two TX-9 couplings supplied.

Set Dial to 250 (mid position), note position of variable condenser before removal micrometer dial then unloosen set screw(s). Carefully remove micrometer dial by pulling and wiggling on the knob.



Carefully flip over the micrometer dial. Note the location of National markings Loosen and remove the three 4-40 flat head screws holding on the knob.



Carefully flip over the micrometer dial. Note dial is still in the 250 position and the springs are centered. With a small pair of long nose disconnect the two springs from the outer dial



The disassembled micrometer dial and NPW O gear drive.



The **spring position should be noted**. If the spring is inverted the micrometer dial will bind.



This is a close-up view of the springs and number dial. Clean all the parts with your favorite cleaners. .



Then start reassembly by placing the number dial on the gear drive shaft with the 250 number at the 12:00 o'clock position. A very small amount of white grease can be placed on the gear and shaft area.



Note the holes for the springs and holes locations for the knob as a guide for alignment of the outer dial. Carefully remove and assemble as unit and reinstall the springs properly. Test micrometer dial before installing the knob slide the assembly back on the gear drive. Do not tighten the set screw then rotate the outer dial looking for proper operation. Return the dial to the 250 indication then remove it and install the knob using the 4-40 screws.



Carefully install micrometer dial and tighten the set screws.

Have fun  
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