



## MODEL W1226 PLANER PAL® MINI PLANER PAL® KNIFE SETTING JIG

The Mini Planer Pal® knife setting jig was specially designed for use on the 1 7/8" diameter cutterheads that come on most portable 10" and 12" planers. With proper care, the Mini Planer Pal® should provide you with years of reliable knife setting service. Do not try to use these jigs on larger diameter cutterheads since the preset knife height and curvature requirements will not be met. Planer Pal® offers larger, adjustable knife setting jigs for use on larger diameter cutterheads.

**CAUTION:** The zinc coated neo-dymium magnets used in the Mini Planer Pals® are extremely strong, but they are very brittle. To avoid chipping the magnets, rock them gently into place on the cutterhead. When not positioned on the cutterhead, return the jigs to their protective box. Small chips may occur over time without adversely affecting the accuracy of the jig.

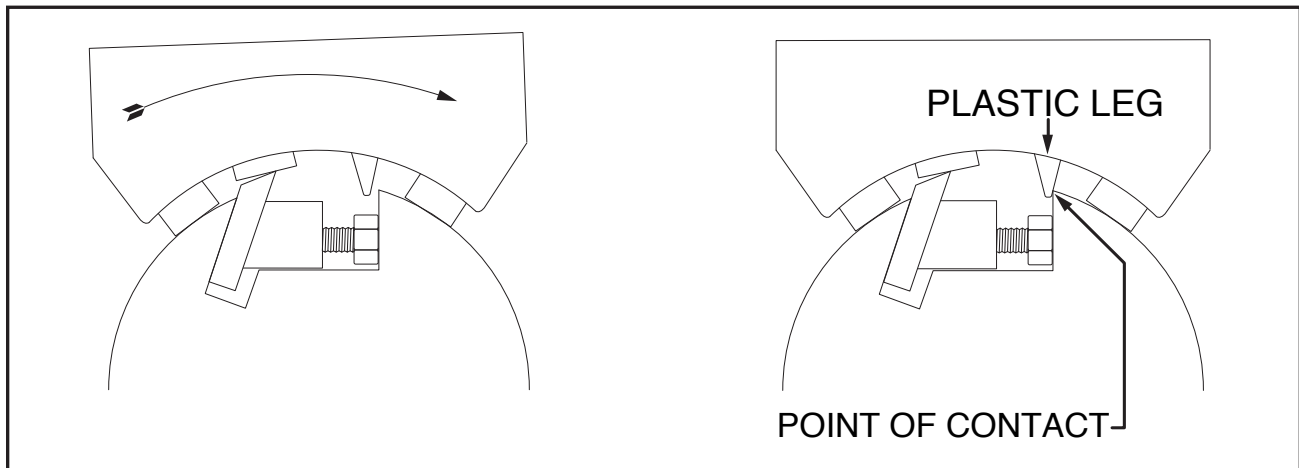
**CAUTION:** Keep Mini Planer Pals® away from all sources of iron or steel filings. Filings will be readily drawn to the magnets and will act as small shims between the jigs and the cutterhead. This will affect the accuracy of the tool. Filings can be removed by wiping or dabbing with a piece of tape.

**CAUTION:** Do not let Mini Planer Pals® come into contact with any solvents. Solvents will attack the polycarbonate body of the jig and destroy the built in accuracy. If this occurs, they will be use-  
less.

### Instructions for Use

1. Always disconnect planer from power source prior to exposing the cutterhead.
2. Remove planer dust cover.
3. If the cutterhead has elevating screws below the knives, adjust them down and away from the bottom of the knives, so they will not interfere with the setting of the Mini Planer Pals®. If the cutterhead has elevating springs below the knives, they may be left in place without affecting the performance of the Mini Planer Pals®.

4. Place the new or newly sharpened knife in the cutterhead and tighten slightly so that the knife is held approximately  $\frac{1}{16}$ " above its final set height. Tighten the locking screws equally to the point that the knife will not slip deeper into the cutterhead under its own weight, but can be pushed deeper with one or two pounds of downward force. Test the tightness by pressing down on the knives with a block of wood. Serious cuts could result if you use your fingers.
5. Place one Mini Planer Pal<sup>®</sup> at the far end of the cutterhead. Place the second Mini Planer Pal<sup>®</sup> in the same position at the opposite end. Using hand pressure from above, push down one jig so that the four end magnets contact the cutterhead, and the middle magnet contacts the knife. Do not use excessive pressure to push down the knife. If the knife will not move downward into position, loosen the locking screws slightly and try again. Repeat procedure for the second jig.



6. Hold the cutterhead with one hand and slide each jig until the indexing pin contacts the back edge of the gib slot. See Figure.

Figure shows proper alignment (left side) of the Planer Pal<sup>™</sup>.

7. Use a flashlight to look down the length of the cutterhead to ensure that the knife is in contact with the middle magnet of both jigs. If so, the knife is ready to be tightened.
8. Tighten the bolts symmetrically in steps. Starting with the middle bolt, turn each bolt once with a wrench and move outward toward the ends. Repeat the sequence until the bolts are tight. The Mini Planer Pals<sup>®</sup> will cover the end bolts, do not tighten those end bolts until the exposed bolts are tightened securely. Remove the Mini Planer Pals<sup>®</sup>, put them back in their protective boxes, and tighten the last two bolts securely.

NOTE: When returning the Mini Planer Pals<sup>®</sup> to their box, be sure to put the jig used on the right side of the cutterhead into the right side of the box and vice versa for the left. Then, when you set the next knife, use the jig on the right side of the box for the right side of the cutterhead and vice versa for the left. Keeping the jigs left and right organized will ensure consistent alignment from knife to knife.

NOTE: There is a numbered sticker on the outside of the box. Do not remove it! If, for some reason, you need to replace one of your Mini Planer Pals<sup>®</sup>, this sticker provides the code that ensures you'll get a matching Mini Planer Pal<sup>®</sup>.

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