MARK V MITER GAUGE

An accurate Miter Gauge is essential to making square & true cut-offs and precision miter cuts. Dropping or bumping the Gauge...even regular use...can tend to alter its accuracy.

Periodically, it's a good idea to check the squareness or angle of the Gauge to the Saw Blade with a drafting triangle or a precision, adjustable arm protractor. Another device made especially for this purpose is a see-through plastic Angle Setter. Remember, too, that the protractor on the Miter Gauge is **not** a precise measuring instrument, but should only be used as a guide.

That's why you should take extra care in setting the Gauge's Auto-Stops for 45-degree left and right and 90-degree settings. This way, when you're ready to make straight or 45-degreed mitered cuts, just go to the Auto-Stops and everything should be OK. When making a critical, angled miter cut (other than 90 or 45-degrees), you should **always** use one of the set-up devices listed above.

Finally, it's a good idea to use paste wax or a machine table lubricant such as Top-Cote or Dri-Cote to reduce friction between the Miter Gauge Bar and the Worktable Slot.

Problem	**Possible Cause(s)**	**Remedy**
Miter Gauge won't slide through Table Slots	Miter Gauge Bar bent Warped Table is pinching the Bar Setscrew in Miter Bar is too tight	Replace Bar Replace Tabletop Loosen setscrew
Miter Gauge Bar will not lock in the Tabletop	Bad setscrew Screw hole cut too deep in Miter Bar	Replace setscrew Replace Miter Gauge Bar
Safety Grip leaves marks on wood	Excessive Hand Grip pressure Burr on Safety Grip Pad	Use less pressure Remove burr with single-cut mill file
Gauge rocks side-to-side	Glides are improperly adjusted	Adjust Glides
Wood teeters on Miter Gauge Protractor	Protractor face warped	Replace protractor
Miter Gauge does not cut indicated angle	Angle stops are inaccurately set Tool used to set angles is inaccurate Scale is improperly adjusted Protractor face is warped Wood not being held firmly against Gauge	Reset stops Use precision setting tool Re-adjust the Scale Replace protractor Hold wood firmly. Use Safety Grip if possible