

FACET TROUBLESHOOTING GUIDE

Use a dark marking ink (felt tipped) pen to completely cover the test facet. Let the ink dry, then lower the stone onto the stationary lap and "rub" the facet until some or all of the ink is removed. Then observe the facet...

INDICATION	PROBLEM	REMEDY
	None. This is the indication of a properly centered facet.	None. Finish this facet and go to the next.
	Elevation angle too high Height adjustment too low	Lower elevation angle Increase height adjustment
	Elevation angle too low, but facet is otherwise centered.	Increase elevation angle.
	Facet is not centered, it is too far to the left and the angle is too high. Stone may have shifted on the dop.	Check index setting/ adjust cheater to rotate stone toward the <u>right</u> /reduce lap speed/ reduce elevation angle.
	Facet is not centered, it is too far to the right and the angle is too high. Stone may have shifted on the dop.	Check index setting/ adjust cheater to rotate stone toward the <u>left</u> / reduce lap speed/ reduce elevation angle.
	Facet is not centered, it is too far to the left and the angle is too low. Stone may have shifted on the dop.	Check index setting/ adjust cheater to rotate stone toward the <u>right</u> / increase the angle / reduce lap speed.
	Facet is not centered, it is too far to the right and the angle is too low. Stone may have shifted on the dop.	Check index setting / adjust cheater to rotate stone toward the <u>left</u> / reduce lap speed/ increase elevation angle.
	Facet is not centered, it is too far to the left, but the angle and height are about right.	Adjust cheater to rotate stone toward the right
	Facet is not centered, it is too far to the right, but the angle and height are about right.	Adjust cheater to rotate stone toward the left.
	Facet is not <u>flat</u> . Lap is too soft or you have not rubbed long enough.	Recut the facet.
	Facet is not <u>flat</u> . Lap has been running too fast or debris has been collecting on the facet.	Recut the facet. Use less polish or more lubricant.