## USING THE "E" GEAR ON THE MIDAS 1220 AND 1230 MACHINES



**OVERVIEW:** When setting up the gears for some threads, you will find the A and B gear do not come together enough to mesh the teeth on the two gears. The "E" gear is used as a spacer between the "C" and "D" to fill the gap. The use of th e"E" gear does reverse the direction of the feed screw so this must be compensated for by the feed direction lever at the left end of the feed screw.



<u>BEFORE</u> See the gap between the gears.

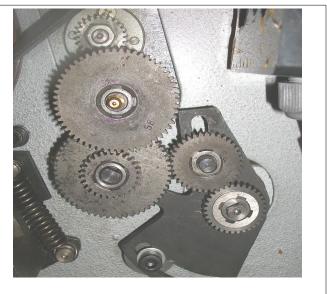
<u>AFTER</u> All gears are meshing.



<b>STEP</b>	DESCRIPTION	PICTURES
1	Remove all existing gears. Install the appropriate "D" gear for the threads you wish to cut.	
2	Install a small gear onto the "E" shaft. The gear size will <u><b>not</b></u> effect the thread pitch.	
3	Use am 8mm wrench to loosen the "E" shaft	

4	Slide the "E" gear and shaft to mesh with the "D" gear and tighten the shaft into place.	
5	Install the "C" gear and position the "C" gear and shaft so they mesh with the "E" gear. This shaft moves just like the "E" gear shaft by loosening the shaft and sliding it along the grovr in the egear quadrent.	
6	Install the "B" gear onto the shaft with the "C"	

7 Install the "A" gear and swing the entire gear quadrent up so the "A" and "B" gear mesh. The quadrent moves by loosening the Allen head screw at the lower base of the quadrent.
Use the powerfeed direction lever to set the machune to cut towards the lateh chuck for right hand threads.



END