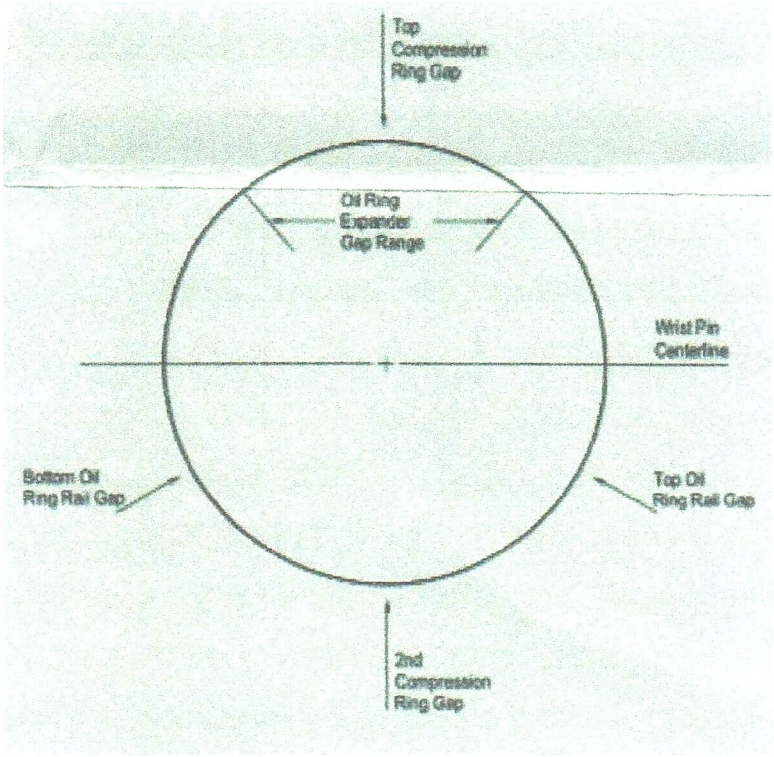
Piston Ring Setup

The rings must be placed in the bore near the top end the end gap measured with a feeler gauge.
For the Smart M160 engine the gap should be more than:

1st Ring (Top Compression Ring) 0.381mm (15 thou)+
2nd Ring (2nd Compression Ring) 0.483mm (19 though)+
Oil Rings (Both top and bottom) 0.601mm (24 thou) +

Please not these are minimum dimensions to stop damage when the engine gets to temperature. Do not worry if you up are 0.3mm (12 Thou) larger. This is not an issue and will not kill performance or cause excessive smoke or emissions.

Setting up the rings on the piston for assembly in the block



Positioning for the ring gaps when putting pistons into the block