

	A	B	C
1	Quadricle Compression Ratio Calculation**		
2	Cylinder Bore	2.50 in	
3	Stroke	6.00 in	
4	Height above piston at top dead center	2.50 in	
5	Volume above piston at top dead center	12.27 cu in	radius (1.25") squared (1.5625") times pi (3.1416) times 2.5"
6	Volume of stroke	29.45 cu in	radius (1.25") squared (1.5625") times pi (3.1416) times 6.0"
7	Total volume	41.72 cu in	volume of stroke plus volume above piston at TDC
8	Compression Ratio	3.40 to 1	41.72 / 12.27
9	Expected compression	49.98 psi	14.7 psi times 3.40
10			** did not take into account domed piston, head gasket or leakages
11			