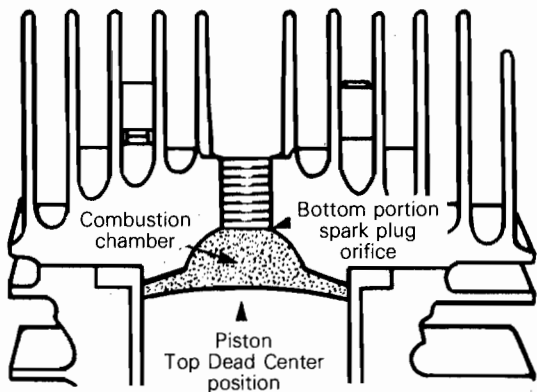


COMPRESSION RATIO

To check the compression ratio, bring the piston to the **top dead center** position and pour a given amount (see chart) of oil (30 grade) into the combustion chamber through the spark plug orifice.

The compression ratio will be correct, when the specific given amount of oil fills the combustion chamber up to the **bottom** portion of the spark plug orifice.



MODEL	REQUIRED VOLUME OF OIL (mL) (30 grade)	NOMINAL COMPRESSION RATIO
175 Qualifier 3	13.6 ± 0.6	13.2-14.4 to 1
250 Qualifier 3	21.6 ± 1.0	12-13 to 1
350 Qualifier 3	24.1 ± 1.0	12-13 to 1
400 Qualifier 3	40.7 ± 2.0	10.3-11.3 to 1
125 MX-6	8.5 ± 0.3	15-16 to 1
250 MX-6	20.0 ± 0.8	13-14 to 1
400 MX-6	36.3 ± 1.7	11.5-12.5 to 1