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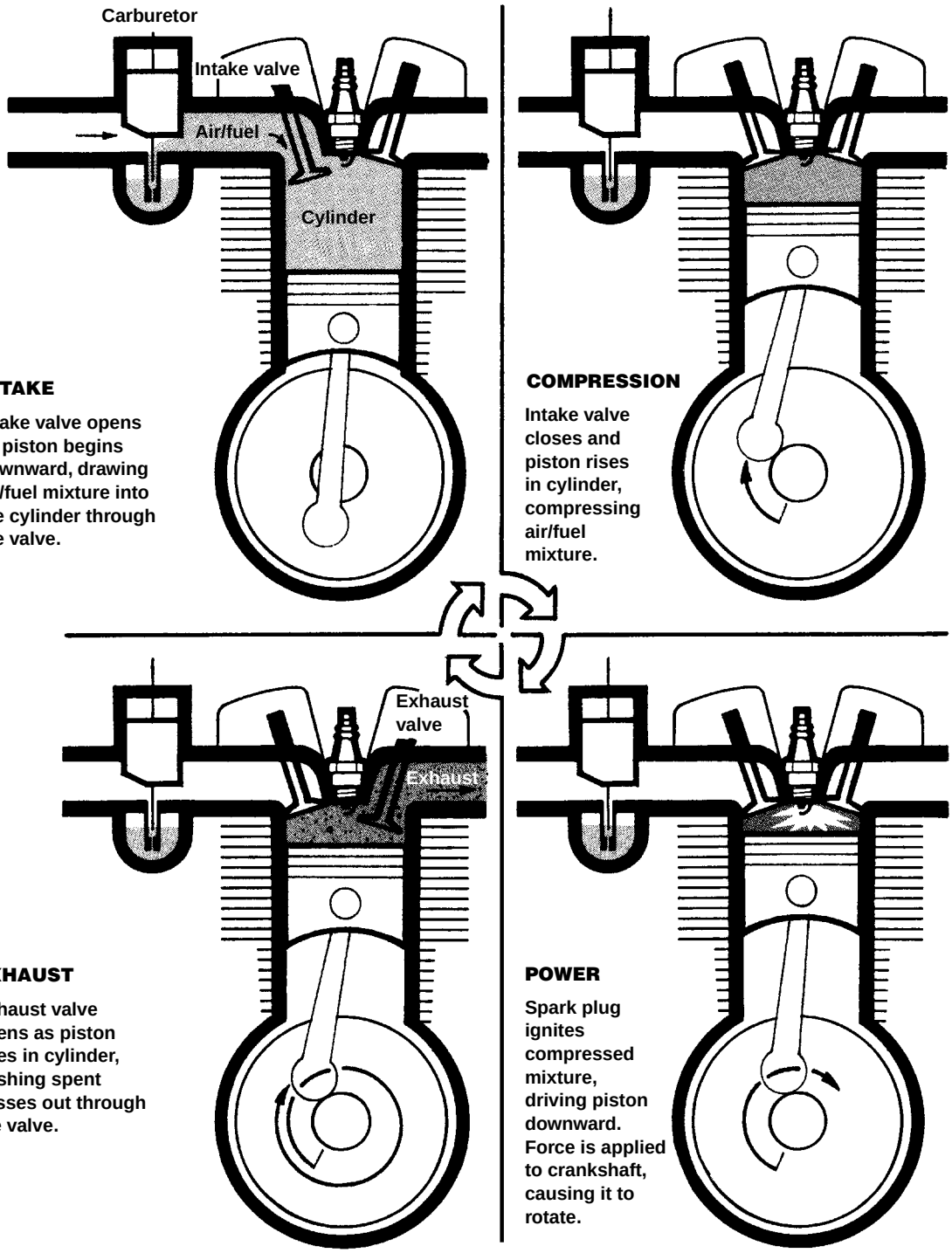
FOUR-STROKE ENGINE OPERATING PRINCIPLES



INTAKE

Intake valve opens as piston begins downward, drawing air/fuel mixture into the cylinder through the valve.

COMPRESSION

Intake valve closes and piston rises in cylinder, compressing air/fuel mixture.

EXHAUST

Exhaust valve opens as piston rises in cylinder, pushing spent gasses out through the valve.

POWER

Spark plug ignites compressed mixture, driving piston downward. Force is applied to crankshaft, causing it to rotate.

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