

Cam gears

Timing belt (or chain)

A timing belt or chain synchronizes the rotation of the crankshaft and the camshaft(s) so that the engine's valves open and close at the proper times during each cylinder's intake and exhaust strokes. It is also critical to preventing the piston from striking the valves.

A timing belt is a belt that usually features teeth on the inside chain

Cam

Cylinder head

Valves open and close to let material in or out of the cylinder

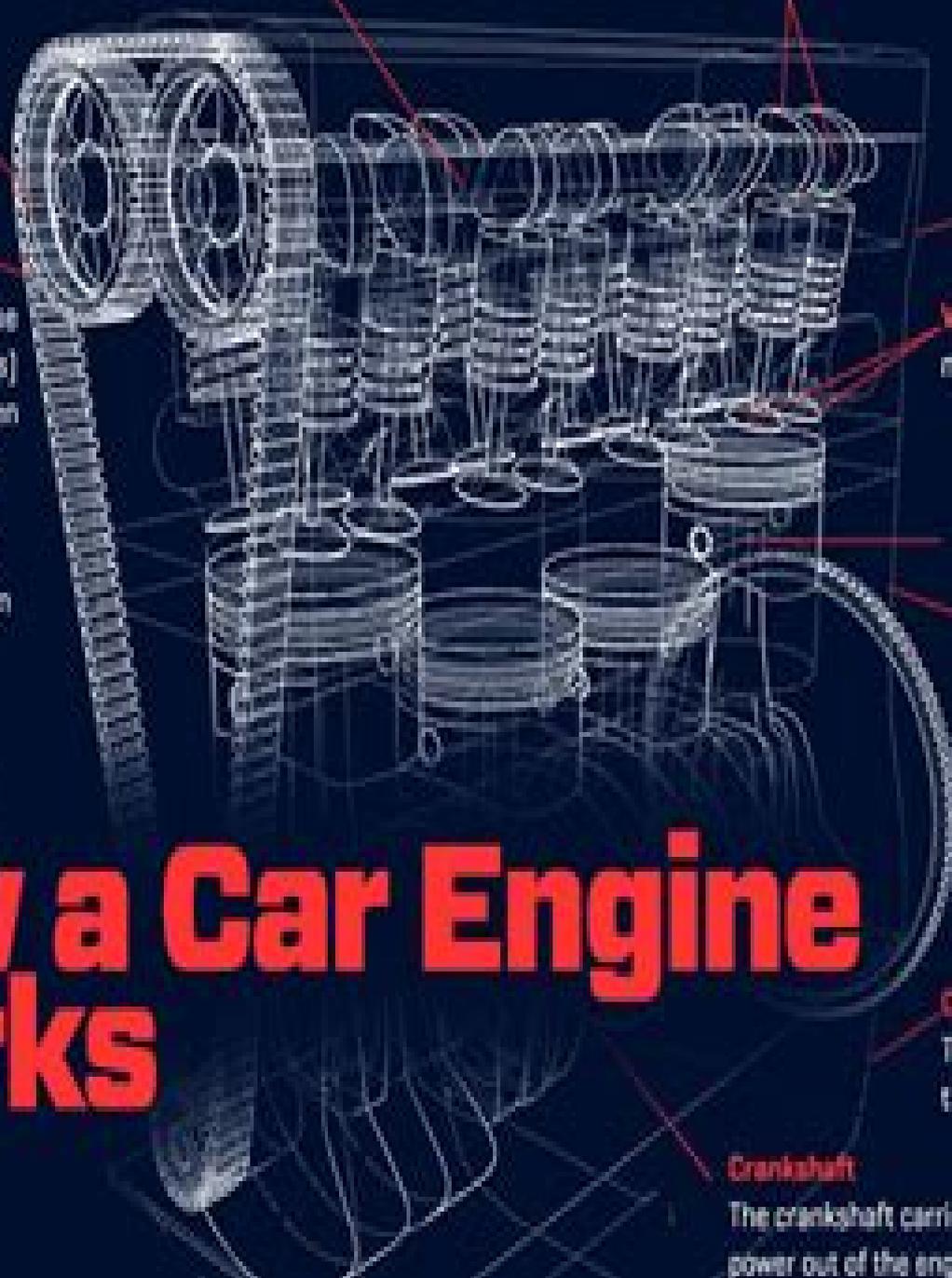
Engine block

Flywheel

Oil pan
The oil is pumped from here throughout the engine.

Crankshaft
The crankshaft carries piston power out of the engine and

How a Car Engine Works



How Car Engine Work

Xiaolong Qi



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