

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.

# How a Car Engine Works

Cam

Cylinder head

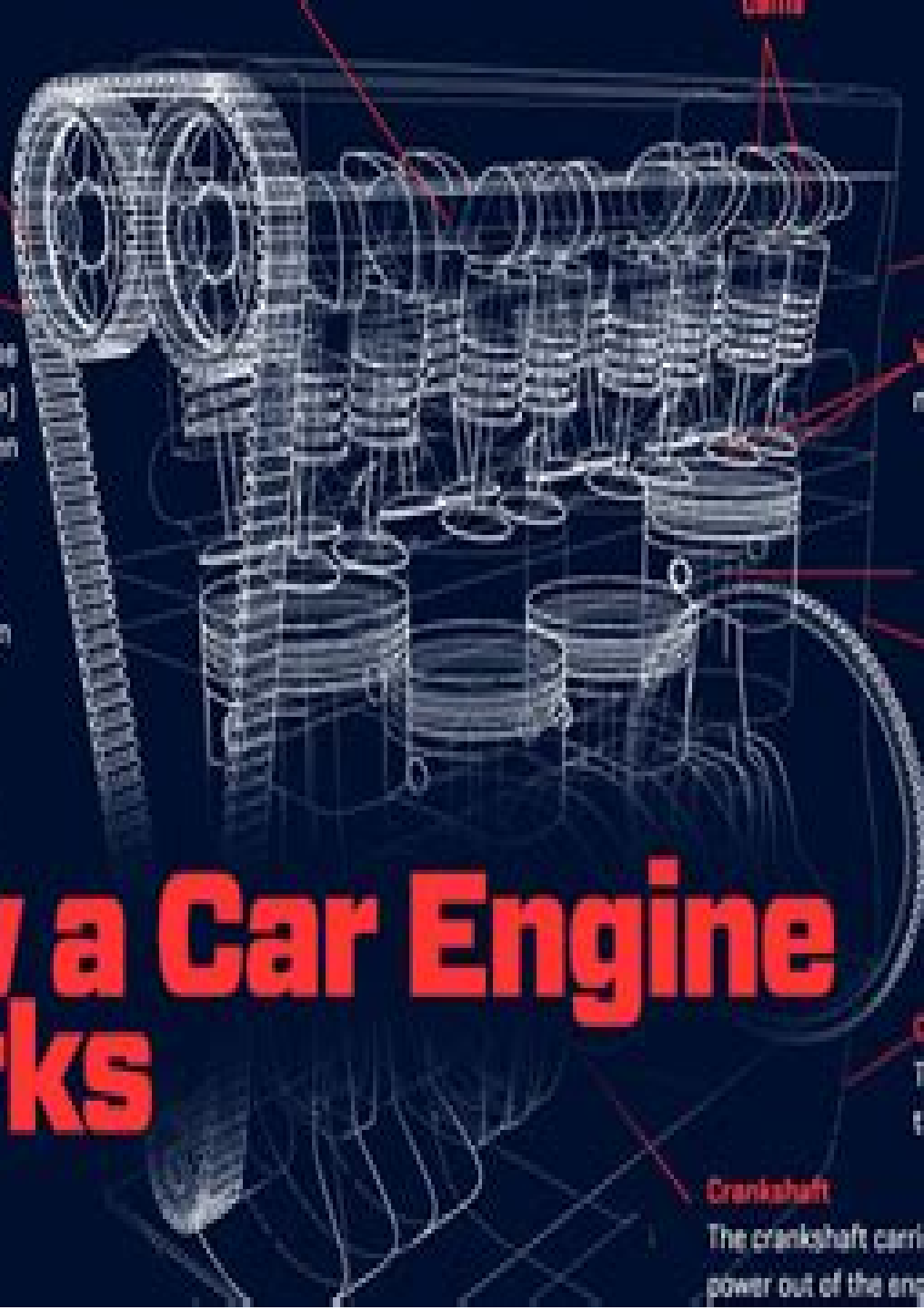
Valves open and close to let material in or out of the cylinder

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 Car Engine Work

**L Darling-Hammond**



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