

accelerator



alternator



axle



brake caliper



brake pad



camshaft



carburetor



**catalytic
converter**



chassis



clutch



A generator that produces electricity to charge the battery while the engine runs.

"A faulty alternator caused the dashboard lights to flicker."

C1



The pedal that controls engine speed and makes the vehicle go faster.

"She pressed the accelerator to merge onto the highway."

B1



The component that squeezes brake pads against the rotor to slow the wheel.

"Worn brake calipers were causing uneven braking."

C1



A rod or shaft on which wheels rotate.

"The rear axle snapped after hitting a large pothole."

B2



A rotating shaft that controls the opening and closing of engine valves.

"A damaged camshaft can cause poor engine performance."

C1



A friction material pressed against the brake disc to slow or stop the vehicle.

"The mechanic recommended replacing the brake pads immediately."

B2



An exhaust component that reduces harmful emissions through chemical reactions.

"Thieves targeted the catalytic converter for its precious metals."

C1



A device that mixes air and fuel for combustion in older engines.

"Vintage cars often require carburetor tuning for optimal performance."

C1



A mechanism that connects and disconnects the engine from the gearbox.

"Learning to use the clutch smoothly took several driving lessons."

B1



The structural frame of a vehicle that supports all other components.

"The truck's heavy-duty chassis could handle off-road terrain."

B2



crankshaft



cylinder



dashboard



differential



dipstick



drivetrain



exhaust pipe



fuel injection



gearbox



horsepower



A chamber in the engine where fuel is burned to generate power.

"This sports car has a six-cylinder engine."

B2



A shaft that converts the up-down motion of pistons into rotational force.

"A cracked crankshaft requires a complete engine rebuild."

C1



A gearbox that allows wheels on the same axle to rotate at different speeds.

"The limited-slip differential improved traction on icy roads."

C1



The panel in front of the driver containing controls and instruments.

"The warning light on the dashboard indicated low oil pressure."

A2



The system of components that transmits engine power to the wheels.

"All-wheel drive vehicles have a more complex drivetrain."

C1



A rod inserted into the engine to measure the oil level.

"He checked the dipstick and found the oil was dangerously low."

B2



A system that sprays fuel directly into the engine cylinders.

"Fuel injection provides better efficiency than carburetors."

B2



The tube that channels waste gases away from the engine.

"Black smoke from the exhaust pipe indicated a rich fuel mixture."

B1



A unit measuring engine power output.

"The sports car produces 450 horsepower at 6,500 rpm."

B1



A set of gears that transfers engine power to the wheels at different speeds.

"The automatic gearbox changed smoothly through all six ratios."

B2



ignition



manifold



muffler



odometer



piston



powertrain



radiator



rpm



shock absorber



spark plug



A pipe that collects or distributes gases to multiple cylinders.

"A cracked intake manifold caused a vacuum leak."

C1



The system that starts the engine by igniting the fuel mixture.

"She turned the key in the ignition but heard nothing."

B1



An instrument that records the total distance a vehicle has travelled.

"The odometer showed the car had covered 200,000 kilometres."

B2



A device in the exhaust system that reduces engine noise.

"The rusted muffler made the car unreasonably loud."

B2



The complete system generating and delivering power to the wheels.

"The manufacturer offers a five-year powertrain warranty."

C1



A cylindrical part that moves up and down inside the engine cylinder.

"Worn pistons can cause oil to enter the combustion chamber."

B2



Revolutions per minute — the speed at which the engine crankshaft rotates.

"Keep rpm below 3,000 when the engine is cold."

B2



A heat exchanger that cools the engine by transferring heat to the air.

"A leaking radiator caused the engine to overheat."

B1



A device that produces an electric spark to ignite the fuel mixture.

"Faulty spark plugs caused the engine to misfire."

B1



A device that dampens vibrations from the road surface.

"Worn shock absorbers made the ride uncomfortable on rough roads."

B2



spoiler



starter motor



steering column



strut



suspension



throttle



timing belt



torque



traction control



transmission



An electric motor that cranks the engine to start it.

"A clicking sound on startup usually indicates a failing starter motor."

B2



An aerodynamic component that reduces drag or increases downforce.

"The rear spoiler improved the car's stability at high speed."

B2



A structural suspension component combining spring and shock absorber.

"MacPherson struts are common in front-wheel drive cars."

C1



The shaft connecting the steering wheel to the steering mechanism.

"Airbags are integrated into modern steering columns."

B2



A valve controlling the amount of air or fuel entering the engine.

"Opening the throttle quickly gives a burst of acceleration."

B2



The system of springs and dampers connecting the wheels to the chassis.

"Sports cars often have a stiffer suspension for better handling."

B1



The rotational force produced by the engine.

"Diesel engines produce more torque at lower rpm than petrol engines."

B2



A belt synchronising the crankshaft and camshaft rotation.

"A snapped timing belt can cause catastrophic engine damage."

C1



The system of gears that transfers engine power to the drive shaft.

"Automatic transmission makes city driving more comfortable."

B2



A safety system that prevents wheel spin during acceleration.

"Traction control automatically cut power on the wet road."

B2



turbocharger



tyre pressure



universal joint



valve



wheel bearing



windshield



ABS



coolant



driveshaft



overdrive



The amount of air in a tyre,
measured in PSI or bar.

*"Check tyre pressure monthly to
improve fuel economy."*

A2



A device driven by exhaust gases
that forces more air into the
engine.

*"The turbocharger gave the small
engine impressive power output."*

B2



A mechanical part that opens and
closes to control gas flow in the
engine.

*"Each cylinder has intake and
exhaust valves."*

B2



A coupling that allows two shafts
to transmit power at an angle.

*"A worn universal joint causes
vibration at speed."*

C1



The front glass panel of a vehicle
that protects occupants from wind.

*"A stone chip in the windshield
grew into a crack overnight."*

A2



A bearing that allows the wheel
to rotate smoothly on the axle.

*"A rumbling noise at speed often
signals a worn wheel bearing."*

B2



A liquid that circulates through
the engine to regulate temperature.

*"Low coolant levels can cause the
engine to overheat rapidly."*

B1



Anti-lock braking system — prevents
wheels from locking under heavy
braking.

*"ABS allowed her to steer while
braking hard."*

B2



A gear ratio higher than the top
gear, reducing engine speed at high
road speed.

*"Engaging overdrive on the motorway
improved fuel economy."*

C1



A rotating shaft that transmits
torque from the gearbox to the
wheels.

*"A vibrating driveshaft is a sign
of worn joints."*

B2

