

KNOW YOUR BUS



Component	Function
Front End	Includes the hood, grille, and headlights.
Engine	Provides the power to drive the bus.
Transmission	Transfers power from the engine to the drive shaft.
Drive Shaft	Transmits power to the rear axle.
Rear End	Includes the rear axle, suspension, and wheels.
Brakes	Stop the bus when needed.
Steering	Controls the direction of the bus.
Suspension	Supports the weight of the bus and provides a smooth ride.
Wheels	Allow the bus to move on the ground.
Tires	Provide traction and support the weight of the bus.
Exhaust System	Removes exhaust gases from the engine.
Fuel System	Delivers fuel to the engine.
Cooling System	Keeps the engine from overheating.
Lubrication System	Reduces friction between moving parts.
Electrical System	Provides power for the bus's electrical components.
Lighting System	Illuminates the road ahead.
Safety System	Protects the passengers and the driver.
Interior	Includes the seats, dashboard, and controls.
Exterior	Includes the body panels and paint.
Windows	Allow the driver to see the road.
Doors	Allow passengers to enter and exit the bus.
Seating	Provides a place for passengers to sit.
Storage	Provides a place for passengers to store their belongings.
Ventilation	Keeps the air inside the bus fresh.
Heating	Keeps the bus warm in winter.
Air Conditioning	Keeps the bus cool in summer.
Sound System	Provides entertainment for passengers.
Communication System	Allows the driver to communicate with passengers.
Monitoring System	Tracks the bus's location and status.
Security System	Protects the bus from theft and vandalism.
Maintenance System	Keeps the bus in good working order.
Inspection System	Ensures the bus meets safety standards.
Reporting System	Provides information about the bus's performance.
Documentation System	Keeps records of the bus's history.
Training System	Teaches drivers how to operate the bus safely.
Education System	Provides information about the bus's components.
Research System	Develops new technologies for the bus.
Development System	Creates new models of the bus.
Innovation System	Introduces new features to the bus.
Growth System	Increases the number of buses in the fleet.
Expansion System	Increases the range of the bus's operation.
Diversification System	Offers different models of the bus.
Globalization System	Exports the bus to other countries.
Digitalization System	Uses digital technology to improve the bus.
Automation System	Reduces the need for a driver.
Artificial Intelligence System	Improves the bus's performance.
Machine Learning System	Adapts the bus to different conditions.
Big Data System	Analyzes the bus's performance data.
Cloud Computing System	Stores the bus's data in the cloud.
Cybersecurity System	Protects the bus's data from hackers.
Blockchain System	Provides a secure way to store the bus's data.
Internet of Things System	Connects the bus to other devices.
Augmented Reality System	Provides a virtual view of the bus.
Virtual Reality System	Provides a virtual experience of the bus.