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Nota di contenuto	Front Cover -- Title Page -- Copyright Page -- Contents -- Preface -- Acknowledgments -- List of Acronyms -- A -- 3-4-5 Accident Measuring Triangle -- 4-Stroke Cycle (Spark Ignition) -- 4-Stroke Cycle Diesel (Compression Ignition) -- 2WD (Two-Wheel Drive) -- 4WD (Four-Wheel Drive) -- 4WD/AWD Shift Motor -- ABS (Anti-lock Brake System) -- ABS Truck Hydraulic Control Unit -- ABS Truck Malfunction System -- Absolute or Dynamic Viscosity -- Absorption -- AC (Alternating Current) -- AC Coupling -- AC Induction Motor -- Accelerate -- Acceleration -- Acceleration Test -- Accelerator Pump -- Accelerometer -- Accident Reconstruction (Automotive and Motorcycle) -- Accumulator -- Ackermann Principle -- Ackermann Steering System -- Acrylic Paint -- Active Restraint System -- Active Sensor -- Actuator -- AD Converter -- AD (Analog-to-Digital) Converter Circuit -- Adaptive Controller (Radar Cruise Control) -- Adaptive Learning -- Adaptive Memory -- Adaptive Testing -- ADEMS (Advanced Diesel Engine Management System) -- Additive -- Address -- Adhesion -- Adhesive -- Adiabatic -- Adjustable Brake and Accelerator Pedals --

ADS (Automated Driving Systems) -- Aerobic Sealant -- Aerodynamic Drag -- Aerodynamics -- AFR (Air-to-Fuel Ratio) -- A-Frame Control Arm -- Afterburner -- Aftercooler (Turbocharger) -- AGM (Absorbed Glass Mat) Battery -- Air ABS (Anti-Lock Brake System) -- Air ABS Blink Codes -- Air ABS Brake Modulator -- Air ABS Electronic Control Unit (ECU) -- AIR (Air Injection Reactor) -- Air Bag -- Air Brake Compressor -- Air Brake Double Check Valve -- Air Brake Dual Air Pressure Gauge -- Air Brake Pressure Protection Valve -- Air Brake Reservoir (Air Tank) Drain Valves -- Air Brake Reservoir Safety Valves -- Air Brakes (Truck and Bus) -- Air Cleaner -- Air Conditioning -- Air-Cooled Engine -- Air Core Gauge -- Air Dam -- Air Density.
Air Disc Brakes (Truck and Bus) -- Air Flow -- Air Flow Meter -- Air Flow Types -- Air-Fuel Charge -- Air-Fuel Ratio -- Air-Fuel Ratio Sensor -- Air Gap -- Air-Over-Hydraulic Brake System -- Air Spring (Bag) Suspension -- Air Standard Dual Cycle -- Air Turbulence -- ALCL (Assembly Line Communications Link) -- ALDL (Assembly Line Diagnostic Link) -- Align -- ALLDATA -- All-Electric Drive Mode -- Alloy -- Alphanumeric Code -- Alternative Fuels -- Alternator -- Aluminum Bearing Material -- Ambient Air Temperature -- Ambody Gearset -- Amplitude -- Ammeter -- Ammeter Shunt -- Amperage -- Ampere-Hour -- Ampere-Turn -- Amperes -- Ampere's Rule -- Amplifier Piston -- Anaerobic Sealant -- Analog -- Analog Multimeter -- Analog Signal -- Anemometer -- Aneroid -- Annealing -- Annulus -- Anode -- Anti-dive -- Antifreeze -- Antioxidants -- Anti-rattle Clips -- Anti-roll Bar -- Anti-squat -- Anti-sway Bar (Sway Bar) -- A-Pillar -- Apex -- API (American Petroleum Institute) Oil Service Classification -- API Donut -- API Service Classification -- API Starburst -- A-Post -- APP (Accelerator Pedal Position) Sensor -- Application Valve -- Aramid -- Armature -- Articulated -- Articulated Bus -- Articulation Test -- Asbestosis -- ASD (Automatic Shutdown) -- ASE (Automotive Service Excellence) -- Ash Content -- ASME (American Society of Mechanical Engineers) -- Aspect Ratio (Tire) -- Assist Hybrid -- Asymmetrical -- ATA (American Trucking Associations) Connector -- ATC (Automatic Traction Control) Heavy Truck -- ATC (Automatic Transfer Case) -- ATCM (Automatic Transfer Case Control Module) -- ATDC (After Top Dead Center) -- ATF (Automatic Transmission Fluid) -- Atmospheric Pressure -- Atom -- Atomization -- Atomize -- AUTO-4WD (Automatic Four Wheel Drive) -- Auto Ranging -- Automatic Locking Differential -- Automatic Locking Hubs -- Automatic Transaxle.
Automatic Transmission -- Automotive A/C Servicing-Refrigerant Flushing of a Failed A/C System -- Autonomous Vehicle Levels -- AutoShift and AutoShift Generation II Manual Automatic Transmissions -- AutoShift Truck Transmissions -- AV (Autonomous Vehicle) -- Available Voltage in a Circuit -- AWD (All-Wheel Drive) -- AWG (American Wire Gauge) System -- Axial -- Axial Load -- Axial Motion -- Axial Play -- Axis -- Axis System -- Axle -- Axle Bearing -- Axle Windup -- Axle Yaw -- References -- B -- B20 -- Babbitt -- Back Spacing -- Back Taper -- Backfire -- Backing Plate -- Backlash -- Backlight -- Backpressure -- Backside Spacing (Rear Spacing) -- Backup Camera -- Bakelite -- Balance Shaft -- Ball Bearing -- Ball Joint -- Banjo Axle -- Bar -- BARO Sensor -- Barometric Manifold Absolute Pressure (BMAP) Sensor -- Barometric Pressure -- Base -- Base Circle -- Base Timing -- Basic Mathematics (Addition, Subtraction, Multiplication, and Division) -- Battery -- Battery Case -- Battery Charging -- Battery Conductance Test Procedure -- Battery Conductance Testing -- Battery Discharging -- Battery Equalizer -- Battery Isolator Systems -- Battery Pack SOC (State of Charge) --

Battery Pack Visual Signal -- Battery SOC (State of Charge) -- Battery State-of-Charge Indicator -- Battery Terminals -- Baud Rate -- B-CAN (Body Control Area Network) -- BCM (Body Control Module) -- BDC (Bottom Dead Center) -- Bead -- Bead Base -- Bead Bundle (Bead Coils, Bead Cord) -- Bead Face -- Bead Filler (Apex) -- Bead Heel -- Bead Seat -- Bead Toe -- Bearing -- Bearing (Inside Diameter) -- Bearing Cap -- Bearing Cone -- Bearing Crush -- Bearing Lubrication -- Bearingized -- Beating Vibration -- Before Top Dead Center (BTDC) -- Bell Housing -- Belleville Spring -- Belt -- Belt Alternator Starter (BAS): Low-Cost Hybrids -- Belt System -- Belt Tension -- Belt Tensioner -- Bendix Drive.

Bevel Gears -- BHP (Brake Horsepower) -- Bias Belted Tire -- Bias Ply Tire -- Bias Voltage -- Biasing -- Bidirectional Communication -- Big End -- Bimetal Gauge -- Bimetallic -- Binary -- Biodiesel -- Bipolar -- Bit -- Black Smoke -- Blink or Flash Codes (OEMs Use Both Terms) -- Block Diagram -- Block Learn Function -- Blockchain Framework -- Blocker Rings (Synchronizer) -- Blowby Gases -- Blower Motor -- Blow-Off Valve (BOV) -- Blue Smoke -- Bluetooth -- Bluetooth Detection -- BMEP (Brake Mean Effective Pressure) -- BNC Connector -- Bobtail Proportioning Valve -- Body Ground Wire -- Bogie Axle -- Boiling Point -- Bolt -- Bolt Circle -- Bolt Pattern -- Boom Vibration -- Boost -- Boost Control -- Bore -- Borescope -- Bosch Peak-and-Hold Injector Waveform -- Bottom End -- Bound Electrons -- Bowden Cable -- Bowed (Buckled) Frame -- Boxer ICE -- Boyle's Law -- Brake Bleeding (Hydraulic Brakes) -- Brake Booster (Brake Assist) -- Brake Caliper -- Brake Chamber -- Brake Fade -- Brake Fluid -- SAE Standard for BHP Rating -- Brake Lines -- Brake Pad -- Brake Rotor -- Brake Specific Fuel Consumption (BSFC) -- Braking Performance -- Braking Ratio -- Braking Stability -- Braking System (Automotive) -- Breaker Points -- Breakout Box -- Brinelling -- British Thermal Unit (BTU) -- Brushes -- BSFC -- Buffer -- Bump Steer -- Bulkhead -- Bus -- Bus Configuration -- Bushing -- Buss Bar -- Butt Splice -- Butterfly Valve -- Bypass Hose -- Bypass Valve -- Byte -- References -- C -- CA (Cranking Amps) -- CAC (Charge Air Cooler) -- CAFE (Corporate Average Fuel Economy) -- Cage -- Calibration Gas -- Caliper -- Calories -- Calorific Value (Fuel) -- Cam Follower -- Camber -- Camshaft -- Camshaft Gear Backlash -- Camshaft Gear Runout -- Camshaft Lobe -- Camshaft Position (CMP) Sensor -- CAN (Controller Area Network) -- Cantilever Axle -- Capacitance -- Capacitor.

Capacitor Capsule MAP Sensor -- Carbon -- Carbon-Core Wire -- Carbon Dioxide (CO₂) -- Carbon Monoxide (CO) -- Carbon Residue -- Carburetor -- Carburizing -- Carcass -- Carcass Plies -- Case-Hardening -- Case/Model-Based Diagnostic Reasoning -- Caster -- Caster Sweep -- Catalyst -- Catalytic Converter -- Catalytic Substrate -- Cat-Back Exhaust System -- Catch Tank -- Cathode -- Cathode Ray Tube (CRT) -- Cavitation Erosion -- CCA (Cold Cranking Amps) -- CCC (C3) -- CCM (Comprehensive Component Monitor) -- CDI (Capacitor Discharge Ignition) System -- CDR (Crankcase Depression Regulator) -- CEEMAT (Converter Enhanced Electronically Managed Automated Transmission) -- Cell -- CEMF (Counterelectromotive Force) -- Center Bearing -- Center Bolt -- Center of Gravity -- Centerline Steering -- Centerlink (Relay Rod or Draglink) -- Central Processing Unit (CPU) -- Centrifugal Force -- Centrifugal (Mechanical) Advance -- Centrifugal Oil Filter -- Centrifugal Supercharger -- Centripetal Force -- Cetane -- Cetane Improvers -- CFR (Cooperative Fuel Research) Engine -- Chain and Sprocket Drive -- Chain Tensioner -- Chamfered Edge -- Chapman Strut -- Charles's Law -- Chassis -- Chassis Ground -- Check Engine Light -- Check Valve -- Chlorofluorocarbon (Freon)

Refrigerant) -- Choke -- CHT (Cylinder Head Temperature) Sensor -- Circuit -- Circuit Breaker -- Circuit Number -- Circuit Resistance Tests -- Circuit Sensing -- Circular Mil -- Circumference -- CKP (Crankshaft Position) Sensor -- Class 2 Serial Communications -- Class B Data Communications Network Interface -- Clearance Volume -- C-Lock Axle -- Clock Generator -- Clock Spring -- Closed Loop -- Closing Ramp -- Cloud Point -- Clutch -- Clutch Brake -- Clutch Disc -- CNG (Compressed Natural Gas) -- CO (Carbon Monoxide) -- Cocktail Shaker Piston -- COE (Cab-Over-Engine) -- Coefficient of Friction -- Cogged Belt.6
Coil Spring.

Sommario/riassunto

Without vision you may not succeed, so the vision for SAE International's Dictionary of Automotive Engineering is to become the most comprehensive automotive engineering reference for professionals and students alike. This authoritative reference provides clearly written, easy-to-understand definitions for over 1,800 terms used in automotive engineering worldwide. Unlike a standard dictionary that provides only definitions, the SAE International's Dictionary for Automotive Engineers provides a unique level of details including: In-depth definitions including formulas and equations where appropriate. Over 300 full-color illustrations to provide clarity for a definition, component, or system identification. References to relevant SAE Standards to direct the reader to additional information beyond a practical definition. Coverage of newer technologies such as electric vehicles, automated vehicles, hydrogen fuel. Organized in alphabetical order, readers will find most acronyms are listed first followed by the term then the definition to mimic conventional usage of acronyms within the industry. Whether you use the print or eBook addition, SAE International's Dictionary of Automotive Engineering exceeds similar resources providing readers with comprehensive view of all SAE offers by providing SAE Standard Identification whenever appropriate.
