



|              |  |
|--------------|--|
| <b>2V</b>    | Two (Venturi) Valve (two barrel carburetor)                              |
| <b>2WS</b>   | Two Wheel Steer  |
| <b>3GR</b>   | Third Gear   |
| <b>4EAT</b>  | Four speed Electronic Automatic Transmission                             |
| <b>4GR</b>   | Fourth Gear  |
| <b>4R100</b> | Four speed, Rear wheel drive, (up to) 1000 lb/ft torque rated            |
| <b>4R70W</b> | Four speed, Rear wheel drive, (up to) 700 lb/ft torque rated, Wide ratio |
| <b>4V</b>    | Four (Venturi) Valve (four barrel carburetor)                            |
| <b>4WAL</b>  | Four Wheel Antilock  |
| <b>4WAS</b>  | Four Wheel Air Suspension  |
| <b>4WD</b>   | Four Wheel Drive   |
| <b>4WS</b>   | Four Wheel Steer   |
| <b>5R55W</b> | Five speed, Rear wheel drive, (up to) 550 lb/ft torque rated, Wide ratio |
| <b>A</b>     | Amperes  |
| <b>A/C</b>   | Air Conditioning   |
| <b>A/CCR</b> | A/C Clutch Control Relay   |
| <b>A/D</b>   | Analog to Digital  |
| <b>A/F</b>   | Air Fuel Ratio (see also AFR)  |
| <b>A/T</b>   | Automatic Transmission/Transaxle   |
| <b>A-6</b>   | Axial 6 cylinder A/C compressor  |
| <b>AALA</b>  | American Automobile Labelling Act  |
| <b>AAT</b>   | Ambient Air Temperature  |
| <b>ABARS</b> | Automobile Backward Automatic Ranging System                             |
| <b>ABC</b>   | Active Body Control  |
| <b>ABS</b>   | Antilock Brake System  |
| <b>AC</b>    | Alternating Current  |
| <b>ACC</b>   | Adaptive Cruise Control  |
| <b>ACC</b>   | Air Conditioning Clutch  |
| <b>ACC</b>   | Automatic Climate Control  |
| <b>accel</b> | Acceleration   |
| <b>ACCS</b>  | Air Conditioning Cycling Switch  |
| <b>accum</b> | Accumulator  |
| <b>accy</b>  | Accessory  |
| <b>ACD</b>   | Air Conditioning Demand  |
| <b>ACDS</b>  | Air Conditioning Diagnostic Switch                                       |
| <b>ACE</b>   | Active Cornering Enhancement   |
| <b>ACET</b>  | Air Conditioning Evaporator Temperature                                  |
| <b>ACL</b>   | Air cleaner  |
| <b>ACM</b>   | Airbag Control Module  |
| <b>ACM</b>   | Audio Control Module   |
| <b>ACON</b>  | Air Conditioning On  |
| <b>ACP</b>   | Air Conditioning Pressure  |
| <b>ACPT</b>  | Air Conditioning Pressure Transducer                                     |
| <b>ACR4</b>  | Air Conditioning Refrigerant, Recovery, Recycling, Recharging            |
| <b>act</b>   | Actual   |
| <b>ACT</b>   | Air Charge Temperature   |

|               |  |
|---------------|--|
| <b>actv</b>   | Activate   |
| <b>ACV</b>    | (thermactor) Air Control Valve                   |
| <b>AD</b>     | Accommodated Device                              |
| <b>adapt</b>  | Adaptive   |
| <b>adapts</b> | Adapters   |
| <b>ADAS</b>   | Advanced Driver Assistance System                |
| <b>ADBV</b>   | Anti Drainback Valve                             |
| <b>ADC</b>    | Automatic Distance Control                       |
| <b>ADG</b>    | Accommodated Device Gateway                      |
| <b>adj</b>    | Adjust   |
| <b>ADL</b>    | Automatic Door Lock                              |
| <b>ADS</b>    | Auxilliary Discriminating Sensor                 |
| <b>ADU</b>    | Analog-Digital Unit                              |
| <b>AECM</b>   | Airbag Electronic Control Module                 |
| <b>AFC</b>    | Air Flow Control                                 |
| <b>AFCD</b>   | Advanced Frontal Crash Dummy                     |
| <b>AFCM</b>   | Alternate Fuel Control Module                    |
| <b>AFECM</b>  | Alternate Fuel Engine Control Module             |
| <b>AFO</b>    | Alternate Fuel Operation                         |
| <b>AFR</b>    | Air Fuel Ratio (see also A/F)                    |
| <b>aft</b>    | After  |
| <b>AGSP</b>   | Auxilliary Gauge Switch Pack                     |
| <b>AGVS</b>   | Automated Guided Vehicle System                  |
| <b>AHLD</b>   | Automatic Headlamp Levelling Device              |
| <b>AHR</b>    | Active Head Restraint                            |
| <b>ahrs</b>   | Amp Hours  |
| <b>AHS</b>    | Active Handling System                           |
| <b>AIM</b>    | Automotive Interior Material                     |
| <b>AIR</b>    | Air Injection Reaction (Secondary air injection) |
| <b>AIRB</b>   | Secondary Air Injection Bypass                   |
| <b>AIRD</b>   | Secondary Air Injection Diverter                 |
| <b>AIRM</b>   | Secondary AIR Pump Monitor                       |
| <b>AIS</b>    | Automatic Idle Speed                             |
| <b>ALC</b>    | Automatic Lamp Control                           |
| <b>ALCL</b>   | Assembly Line Communications Link                |
| <b>ALDL</b>   | Assembly Line Data Link                          |
| <b>ALM</b>    | Adaptive Learn Matrix                            |
| <b>ALR</b>    | Automatic Locking Retractor                      |
| <b>Alt</b>    | Alternative                                      |
| <b>ALT</b>    | Alternator (replaced with GEN)                   |
| <b>ALTCOM</b> | Alternator Command                               |
| <b>ALTMON</b> | Alternator Monitor                               |
| <b>AM</b>     | Amplitude Modulation                             |
| <b>AMB</b>    | Ambient  |
| <b>AMM</b>    | Air Mass Meter                                   |
| <b>amp</b>    | Amplifier  |
| <b>amps</b>   | Amperes or Amperage                              |
| <b>AMS</b>    | Automatic Music Search                           |

|                |   |
|----------------|---|
| <b>AMT</b>     | Automated Manual Transmission   |
| <b>AOD</b>     | Automatic Overdrive   |
| <b>AODE</b>    | Automatic Overdrive Electronic (transmission)                             |
| <b>AODE-W</b>  | Automatic Overdrive Electronic  |
| <b>AOS</b>     | Automatic Occupant Sensing  |
| <b>AP</b>      | Accelerator Pedal   |
| <b>APADS</b>   | Air Conditioning Protection and Diagnostic System                         |
| <b>APC</b>     | Automatic Performance Control   |
| <b>APCM</b>    | Accessory (or Auxilliary) Power Control Module                            |
| <b>APECS</b>   | Advanced Proportional Engine Control System                               |
| <b>API</b>     | American Petroleum Institute  |
| <b>APO</b>     | Accessory Power Outlets   |
| <b>APP</b>     | Accelerator Pedal Position  |
| <b>APT</b>     | Adjustable part Throttle  |
| <b>ARC</b>     | Active Roll Control   |
| <b>ARC</b>     | Automatic Ride Control  |
| <b>ARPMDES</b> | Ancillary RPM Desired   |
| <b>ARS</b>     | Adaptive Receptive System   |
| <b>ARS</b>     | Automatic Restraint System  |
| <b>ARTHUR</b>  | Automatic Radio system for Traffic situations on Highways and Urban Roads |
| <b>ASA</b>     | Air Signal Attenuator   |
| <b>ASA</b>     | Automatic Slack Adjuster  |
| <b>ASARC</b>   | Air Suspension Automatic Ride Control                                     |
| <b>ASC</b>     | Anti Stall Control  |
| <b>ASCD</b>    | Auto Speed Control Device   |
| <b>ASD</b>     | Automatic Shutdown  |
| <b>ASF</b>     | Audi Space Frame  |
| <b>ASG</b>     | Automatic-Shift Gearbox   |
| <b>ASM</b>     | Acceleration Simulation Mode  |
| <b>ASM</b>     | Accelerator and Servo control Module                                      |
| <b>ASM</b>     | Air Solenoid Module   |
| <b>ASM</b>     | Alarm Siren Module  |
| <b>asm</b>     | Assembly  |
| <b>ASR</b>     | Acceleration Slip Regulation  |
| <b>ASSYST</b>  | Active Service System   |
| <b>ASTC</b>    | Automatic Stability and Traction Control                                  |
| <b>ASTM</b>    | American Society for Testing and Materials                                |
| <b>ATC</b>     | Automatic Temperature Control   |
| <b>ATDC</b>    | After Top Dead Center   |
| <b>ATF</b>     | Active Transfer Case  |
| <b>ATF</b>     | Automatic Transfer Case   |
| <b>ATF</b>     | Automatic Transmission Fluid  |
| <b>ATM</b>     | Actuator Test Mode  |
| <b>AT-PZEV</b> | Advanced Technology Partial Zero Emission Vehicle                         |
| <b>ATSLC</b>   | Automatic Transmission Shift Lock Control                                 |
| <b>ATTS</b>    | Advanced Torque Transfer System   |
| <b>ATX</b>     | Automatic Transaxle   |

|               |   |
|---------------|---|
| <b>AWD</b>    | All Wheel Drive                               |
| <b>AWG</b>    | American Wire Gage                            |
| <b>AXOD</b>   | Automatic Overdrive Transaxle                 |
| <b>AXOD-E</b> | Automatic Overdrive Transaxle                 |
| <b>AYC</b>    | Active Yaw Control                            |
| <b>B+</b>     | Battery positive (voltage)                    |
| <b>BARO</b>   | Barometric (pressure)                         |
| <b>BAS</b>    | Brake Apply Sensor                            |
| <b>batt</b>   | Battery                                       |
| <b>BBV</b>    | Brake Booster Vacuum                          |
| <b>BCA</b>    | Bias Control Assembly                         |
| <b>BCM</b>    | Body Control Module                           |
| <b>BECU</b>   | Body Electronic Control Unit                  |
| <b>BFC</b>    | Body Function Controller                      |
| <b>BHP</b>    | Brake Horsepower                              |
| <b>BJB</b>    | Battery Junction Box                          |
| <b>BLM</b>    | Block Learn Multiplier                        |
| <b>B-LVL</b>  | Bilevel                                       |
| <b>BLW</b>    | Brake Lining Wear                             |
| <b>BMAP</b>   | Barometric and Manifold Absolute Pressure     |
| <b>bn</b>     | Bank  |
| <b>BOB</b>    | Break-Out Box                                 |
| <b>BOO</b>    | Brake On/Off                                  |
| <b>BP</b>     | Back Pressure                                 |
| <b>BPA</b>    | Brake Pedal Applied                           |
| <b>BPA</b>    | Bypass Air                                    |
| <b>BPCM</b>   | Battery Pack Control Module                   |
| <b>BPMV</b>   | Brake Pressure Modulator Valve                |
| <b>BPP</b>    | Brake Pedal Position                          |
| <b>BPS</b>    | Brake Pedal Switch/Speed Control Deactivation |
| <b>BPW</b>    | Base Pulse Width                              |
| <b>BSFC</b>   | Brake Specific Fuel Consumption               |
| <b>BSW</b>    | Black Sidewalls                               |
| <b>BTCM</b>   | Brake Torque Control Module                   |
| <b>BTDC</b>   | Before Top Dead Center                        |
| <b>BTM</b>    | Battery Thermal Module                        |
| <b>BTSI</b>   | Brake Transmission Shift Interlock            |
| <b>Btu</b>    | British thermal units                         |
| <b>BV</b>     | Battery Voltage                               |
| <b>BVREF</b>  | Buffer Voltage Reference                      |
| <b>C</b>      |   |
| <b>C3I</b>    | Computer Controlled Coil Ignition             |
| <b>CAA</b>    | Canadian Automobile Association               |
| <b>CAA</b>    | Clean Air Act                                 |
| <b>CAB</b>    | Controller, Antilock Brake                    |
| <b>CAC</b>    | Charge Air Cooler                             |
| <b>CAFC</b>   | Company Average Fuel Consumption (Canada)     |
| <b>CAFE</b>   | Corporate Average Fuel Economy (USA)          |

|                |  |
|----------------|--|
| <b>cal</b>     | Calibration                                    |
| <b>calc</b>    | Calculated                                     |
| <b>CALID</b>   | Calibration Identification                     |
| <b>Calif</b>   | California                                     |
| <b>CAMM</b>    | Computer Aided Manufacturing Measurement       |
| <b>CAMS</b>    | Computerized Automotive Maintenance System     |
| <b>CAN</b>     | Controlled Area Network                        |
| <b>CANP</b>    | Canister Purge (solenoid)                      |
| <b>CARB</b>    | California Air Resources Board                 |
| <b>CARS</b>    | Canadian Automotive Repair and Service Council |
| <b>CAS GND</b> | PCM Case Ground                                |
| <b>CASE</b>    | Cranking Angle Sensing Error                   |
| <b>cass</b>    | Cassette                                       |
| <b>CATS</b>    | Computer Aided Test Suite                      |
| <b>CC</b>      | Climate Control                                |
| <b>CC</b>      | Coast Clutch                                   |
| <b>CC</b>      | Cruise Control                                 |
| <b>CCC</b>     | Computer Command Control                       |
| <b>CCCD</b>    | Catalytic Converter Cool-Down                  |
| <b>CCD</b>     | Chrysler Collision Detection                   |
| <b>CCD</b>     | Computer Controlled Dwell                      |
| <b>CCDIC</b>   | Climate Control Driver Information Center      |
| <b>CCFL</b>    | Cold-Cathode Fluorescent Lamp                  |
| <b>CCM</b>     | Central Control Module                         |
| <b>CCM</b>     | Chassis Control Module                         |
| <b>CCM</b>     | Comprehensive Component Monitor                |
| <b>CCM</b>     | Convenience Charge Module                      |
| <b>CCO</b>     | Converter Clutch Override                      |
| <b>CCOT</b>    | Cycling Clutch Orifice Tube                    |
| <b>CCP</b>     | Climate Control Panel                          |
| <b>CCP</b>     | Controlled Canister Purge                      |
| <b>CCRM</b>    | Constant Control Relay Module                  |
| <b>CCS</b>     | Climate Controlled Seat                        |
| <b>CCS</b>     | Coast Clutch Solenoid                          |
| <b>CCSM</b>    | Climate Controlled Seat Module                 |
| <b>CCW</b>     | Counter ClockWise                              |
| <b>CD</b>      | Compact Disc                                   |
| <b>CDA</b>     | Cylinder De-Activation                         |
| <b>CDR</b>     | Chrysler Diagnostic Readout                    |
| <b>CDR</b>     | Crash Data Retrieval                           |
| <b>CDRV</b>    | Crankcase Depression Regulator Valve           |
| <b>CDX</b>     | Compact Disc Changer                           |
| <b>CE</b>      | Commutator End                                 |
| <b>CEAB</b>    | Cold Engine Air Bleed                          |
| <b>CEL</b>     | Check Engine Lamp (replaced with MIL)          |
| <b>CEMF</b>    | Counter Electromotive Force                    |
| <b>CEMS</b>    | Catalyst Efficiency Management System          |
| <b>CEMS</b>    | Carbureted Engine Management System            |

|  |  |
|--|--|
| <b>CEX</b>   | Cabin Exchanger  |
| <b>CFI</b>   | Central Fuel Injection (replaced with TBI)                     |
| <b>CFI</b>   | Continuous Fuel Injection                                      |
| <b>CFI</b>   | Cross Fire Injection   |
| <b>cfm</b>   | cubic feet per minute  |
| <b>CG</b>  | Center of Gravity  |
| <b>CHMSL</b>   | Center High Mounted Stop Lamp                                  |
| <b>CID</b>   | Component Identification                                       |
| <b>CID</b>   | Cubic Inch Displacement  |
| <b>CID</b>   | Cylinder Identification  |
| <b>CJC</b>   | Collision Judgement Coefficient                                |
| <b>CKP</b>   | Crankshaft Position  |
| <b>CKT</b>   | Circuit  |
| <b>CL</b>  | Closed Loop  |
| <b>CLC</b>   | Converter Lockup Clutch (replaced with TCC)                    |
| <b>CLCC</b>  | Closed Loop Carburetor Control                                 |
| <b>CLNT</b>  | Coolant  |
| <b>CLS</b>   | Coolant Level Switch   |
| <b>CLTBI</b>   | Closed Loop Throttle Body Injection                            |
| <b>CLYC</b>  | Closed Loop Yaw Control  |
| <b>CMC</b>   | Compressor Motor Controller                                    |
| <b>cmd</b>   | Command  |
| <b>cmdd</b>  | Commanded  |
| <b>CMFI</b>  | Central Multi-port Fuel Injection                              |
| <b>CMP</b>   | Camshaft Position  |
| <b>CMVSS</b>   | Canadian Motor Vehicle Safety Standards                        |
| <b>CNG</b>   | Compressed Natural Gas   |
| <b>CO</b>  | Carbon Monoxide  |
| <b>CO2</b>   | Carbon Dioxide   |
| <b>COBDIMR</b>   | Customer On Board Diagnostics Inspection/Maintenance Readiness |
| <b>COMBATT</b>   | Commercially Based Tactical Truck                              |
| <b>combo</b>   | Combination  |
| <b>COMDC</b>   | Commanded Duty Cycle   |
| <b>comm</b>  | Communication  |
| <b>cond</b>  | Condition  |
| <b>const</b>   | Constant   |
| <b>COP</b>   | Coil On Plug   |
| <b>COP</b>   | Computer Operating Properly                                    |
| <b>Copies of these and all other SAE specifications can be purchased online through the SAE website.</b> |  |
| <b>CP</b>  | Canister Purge   |
| <b>CPA</b>   | Connector Position Assurance                                   |
| <b>CPC</b>   | Camshaft Position Control                                      |
| <b>CPI</b>   | Central Port Fuel Injection                                    |
| <b>CPL</b>   | Control Parts List   |

|                |   |
|----------------|---|
| <b>CPM</b>     | Cellular Phone Module                         |
| <b>CPP</b>     | Clutch Pedal Position                         |
| <b>CPS</b>     | Cam Profile Switching                         |
| <b>CPS</b>     | Center Panel Switches                         |
| <b>CPS</b>     | Central Power Supply                          |
| <b>CPS</b>     | Childseat Positioning Sensor                  |
| <b>CPU</b>     | Central Processing Unit                       |
| <b>CRR</b>     | Cool Running Rotor                            |
| <b>CRT</b>     | Cathode Ray Tube                              |
| <b>CRTC</b>    | Cathode Ray Tube Controller                   |
| <b>CRTS</b>    | Continuously Regenerating Trap System         |
| <b>CS</b>      | Charging System                               |
| <b>CSC</b>     | Commercial Stripped Chassis                   |
| <b>CSE GND</b> | PCM Case Ground                               |
| <b>CSFI</b>    | Central Sequential Fuel Injection             |
| <b>CSI</b>     | Compression Sense Ignition                    |
| <b>CSM</b>     | Central Security Module                       |
| <b>cSt</b>     | Centistokes                                   |
| <b>CSTO</b>    | Compression Sense Time-Out                    |
| <b>CTD</b>     | Content Theft Deterent                        |
| <b>CTM</b>     | Central Timer Module                          |
| <b>CTOX</b>    | Continuous Trap Oxidizer                      |
| <b>CTP</b>     | Closed Throttle Position (switch)             |
| <b>CTS</b>     | Coolant Temperature Sensor                    |
| <b>CV</b>      | Constant Velocity                             |
| <b>CVN</b>     | Calibration Verification Number               |
| <b>CVRSS</b>   | Continuously Variable Road Sensing Suspension |
| <b>CVRTD</b>   | Continuously Variable Real Time Damping       |
| <b>CVS</b>     | Canister Vent Solenoid                        |
| <b>CVT</b>     | Continuously Variable Transmission, Transaxle |
| <b>CWS</b>     | Continental Wheel System                      |
| <b>CZS</b>     | Crash Zone Sensor                             |
| <b>D</b>       |   |
| <b>DAB</b>     | Delayed Accessory Bus                         |
| <b>DAB</b>     | Driver AirBag (module)                        |
| <b>DART</b>    | Diagnostic And Reprogramming Tool             |
| <b>dB</b>      | Decibels                                      |
| <b>dBA</b>     | decibels on A-weighted scale                  |
| <b>DBB</b>     | Dual Bed Bead                                 |
| <b>DBM</b>     | Dual Bed Monolith                             |
| <b>DC</b>      | Direct Current                                |
| <b>DC</b>      | Duty Cycle                                    |
| <b>DCCSM</b>   | Dual Climate Controlled Seat Module           |
| <b>DCM</b>     | Door Control Module                           |
| <b>DDM</b>     | Driver's Door Module                          |
| <b>DDS</b>     | Deflection Detection System                   |
| <b>DDS</b>     | Driver's Door Switch                          |
| <b>DE</b>      | Drive End                                     |



|                |   |
|----------------|---|
| <b>dec</b>     | Decrement   |
| <b>DEC</b>     | Digital Electronic Controller                                   |
| <b>DERM</b>    | Diagnostic Energy Reserve Module                                |
| <b>des</b>     | Desired   |
| <b>DFCO</b>    | Deceleration Fuel CutOff  |
| <b>DFI</b>     | Direct Fuel Injection   |
| <b>DGI</b>     | Direct Gasoline Injection                                       |
| <b>DI</b>      | Distributor Ignition  |
| <b>DIC</b>     | Driver Information Center                                       |
| <b>diff</b>    | Differential  |
| <b>DIM</b>     | Dashboard Integration Module                                    |
| <b>dis</b>     | Disable   |
| <b>DIS</b>     | Direct (aka Distributorless) Ignition System (replaced with EI) |
| <b>disc</b>    | Disconnect  |
| <b>DISI</b>    | Direct Injection, Spark Ignition                                |
| <b>DIST</b>    | Distributor   |
| <b>DIY</b>     | Do It Yourself  |
| <b>DLC</b>     | Data Link Connector   |
| <b>DLC</b>     | Diamond Logic Computer  |
| <b>DMCM</b>    | Driver Motor Control Module                                     |
| <b>DMM</b>     | Digital MultiMeter  |
| <b>DMSD</b>    | Drive Motor Speed and Direction                                 |
| <b>DNR</b>     | Dolby Noise Reduction   |
| <b>DOHC</b>    | Double Overhead Cam   |
| <b>DOL</b>     | Data Output Line  |
| <b>DPFE</b>    | Differential Pressure Feedback EGR                              |
| <b>DPI</b>     | Dual Plug Inhibit   |
| <b>DRB</b>     | Diagnostic Readout Box  |
| <b>DRF</b>     | Deactivating Roller Follower                                    |
| <b>DRL</b>     | Daytime Running Lamps   |
| <b>DRR</b>     | Digital Radio Receiver  |
| <b>DRW</b>     | Dual Rear Wheel   |
| <b>DSCC</b>    | Distance Sensing Cruise Control                                 |
| <b>DSDA</b>    | Dual Stage Driver Airbag  |
| <b>DSI</b>     | Dual Stage Inflator   |
| <b>DSM</b>     | Driver's Seat module  |
| <b>DSO</b>     | Digital Storage Oscilloscope                                    |
| <b>DSP</b>     | Digital Signal Process  |
| <b>DSPA</b>    | Dual Stage Passenger Airbag                                     |
| <b>DSRC</b>    | Dedicated Short Range Communication                             |
| <b>DSS</b>     | Downshift Solenoid  |
| <b>DSST</b>    | Dunlop Self Supporting Tire                                     |
| <b>DTC</b>     | Diagnostic Trouble Code   |
| <b>DTM</b>     | Diagnostic Test Mode  |
| <b>DTR</b>     | Digital Transmission Range                                      |
| <b>DTT</b>     | Diesel Transmission Technologies                                |
| <b>DVOM</b>    | Digital Volt-Ohmmeter   |
| <b>E&amp;C</b> | Entertainment and Comfort                                       |

|                |   |
|----------------|---|
| <b>E4OD</b>    | Electronic 4-Speed Overdrive                          |
| <b>E85</b>     | Ethanol 85 percent                                    |
| <b>EA</b>      | Electronic Accelerator                                |
| <b>EAC</b>     | Electronic Air Control (replaced with AIR)            |
| <b>EAIR</b>    | Electronic (secondary) Air Injection Reaction         |
| <b>EAS</b>     | Electrically Assisted Steering                        |
| <b>EAS</b>     | Electronic Air Switching                              |
| <b>EATC</b>    | Electronic Automatic Temperature Control              |
| <b>EBC</b>     | Electronic Brake Control                              |
| <b>EBCM</b>    | Electronic Brake Control Module                       |
| <b>EBD</b>     | Electronic Brake force Distribution                   |
| <b>EBM</b>     | Electronic Brake Module                               |
| <b>EBP</b>     | Exhaust Back Pressure                                 |
| <b>EBTCM</b>   | Electronic Brake and Traction Control Module          |
| <b>EC</b>      | Electrical Center                                     |
| <b>EC</b>      | Electronic Control                                    |
| <b>ECA</b>     | Electronic Control Assembly (replaced with PCM)       |
| <b>ECC</b>     | Electronic Climate Control                            |
| <b>ECD</b>     | Electronically Controlled Deceleration                |
| <b>ECI</b>     | Extended Compressor at Idle                           |
| <b>ECL</b>     | Engine Coolant Level                                  |
| <b>ECM</b>     | Electronic Control Module                             |
| <b>ECM</b>     | Engine Control Module                                 |
| <b>ECS</b>     | Electronic Crash Sensor                               |
| <b>ECS</b>     | Emission Control System                               |
| <b>ECT</b>     | Engine Coolant Temperature (Switch, Sensor)           |
| <b>ECU</b>     | Electronic Control Unit                               |
| <b>EDF</b>     | Electric Drive Fan (relay)                            |
| <b>EDIS</b>    | Electronic Direct Ignition System (replaced with EI)  |
| <b>EDR</b>     | Event Data Recorder                                   |
| <b>EDSR</b>    | Electronic Dealer Service (Investigation) Report      |
| <b>EEC</b>     | Electronic Engine Control                             |
| <b>EEDS</b>    | Electric-Electronic Distribution System               |
| <b>EEPROM</b>  | Electronically Erasable Programmable Read Only Memory |
| <b>EEVIR</b>   | Evaporator Equalized Values In Receiver               |
| <b>EFE</b>     | Early Fuel Evaporation                                |
| <b>EFI</b>     | Electronic Fuel Injection                             |
| <b>EFTA</b>    | Engine Fuel Temperature                               |
| <b>EFTA V</b>  | Engine Fuel Temperature                               |
| <b>EFTB</b>    | Engine Fuel Temperature                               |
| <b>EFTB V</b>  | Engine Fuel Temperature                               |
| <b>EGBMC4</b>  | EGR Motor Control Output Command                      |
| <b>EGC</b>     | Electronic Gauge Cluster                              |
| <b>EGO</b>     | Exhaust Gas Oxygen (replaced with O2S)                |
| <b>EGOG</b>    | EGO Ground  |
| <b>EGR</b>     | Exhaust Gas Recirculation                             |
| <b>EGR TVV</b> | Exhaust Gas Recirculation Thermal Vacuum Valve        |
| <b>EGRBARO</b> | Enable Baro Read instead of EGR pressure              |

|                |  |
|----------------|--|
| <b>EGRC</b>    | Exhaust Gas Recirculation Control  |
| <b>EGRCMDS</b> | EGR Motor Commanded In Steps   |
| <b>EGRMC1</b>  | EGR Motor Control Output Command   |
| <b>EGRMC2</b>  | EGR Motor Control Output Command   |
| <b>EGRMC3</b>  | EGR Motor Control Output Command   |
| <b>EGRT</b>    | Exhaust Gas Recirculation Temperature (switch)                               |
| <b>EGRV</b>    | Exhaust Gas Recirculation Vent   |
| <b>EGRVR</b>   | EGR Valve Vacuum Control   |
| <b>EGTS</b>    | Exhaust Gas Temperature Switch (replaced with EGRT)                          |
| <b>EHB</b>     | Electro-Hydraulic Brake  |
| <b>EHCU</b>    | Electronic Hydraulic Control Unit  |
| <b>EHOC</b>    | Electrically Heated Oxidation Catalyst                                       |
| <b>EHPA</b>    | Electro-Hydraulic Power Assist   |
| <b>EHPAS</b>   | Electric Hydraulic Power Assisted Steering                                   |
| <b>EHPS</b>    | Electro-Hydraulic Power Steering   |
| <b>EHTWC</b>   | Electrically Heated Three Way Catalyst                                       |
| <b>EI</b>      | Electronic Ignition (includes Distributorless Ignition System, formerly DIS) |
| <b>ELC</b>     | Electronic Level Control   |
| <b>EM</b>      | Energy Management  |
| <b>EM</b>      | Engine Modification  |
| <b>EMAS</b>    | Engine Management and Analysis System  |
| <b>EMAT</b>    | Electro-Mechanical Automatic Transmission                                    |
| <b>EMB</b>     | Electromagnetic Brakes   |
| <b>EMB</b>     | Electro-Mechanical Brake   |
| <b>EMCC</b>    | Electronically Modulated Converter Clutch                                    |
| <b>EMF</b>     | ElectroMotive Force (voltage)  |
| <b>EMI</b>     | Electromagnetic Interference   |
| <b>EMR</b>     | Electronic Module Retard   |
| <b>EMR</b>     | Emission Maintenance Reminder  |
| <b>EOBD</b>    | Enhanced On-Board Diagnostics  |
| <b>EOP</b>     | Engine Oil Pressure  |
| <b>EOT</b>     | Engine Oil Temperature   |
| <b>EOT V</b>   | Engine Oil Temperature Volts   |
| <b>EOTF</b>    | Engine Oil Temperature Fault Detection                                       |
| <b>EP</b>      | Exhaust Pressure   |
| <b>EPA</b>     | Environmental Protection Agency  |
| <b>EPACT</b>   | Energy Policy Act  |
| <b>EPC</b>     | Electronic Pressure Control  |
| <b>EPHS</b>    | Electrically Powered Hydraulic Steering                                      |
| <b>EPR</b>     | Exhaust Pressure Regulator   |
| <b>EPROM</b>   | Erasable Programmable Read Only Memory                                       |
| <b>EPS</b>     | Electric Power Steering  |
| <b>EPS</b>     | Electric Power Steering  |
| <b>EPS</b>     | Engine Position Sensor   |
| <b>EPT</b>     | EGR Pressure Transducer (replaced with PFE)                                  |
| <b>ERH</b>     | Extended Ride Height   |
| <b>ESB</b>     | Energy Storage Box   |

|                |   |
|----------------|---|
| <b>ESB</b>     | Expansion Spring Brake                            |
| <b>ESC</b>     | Electrical Systems Controller                     |
| <b>ESC</b>     | Electronic Spark Control                          |
| <b>ESC</b>     | Electronic Suspension Control                     |
| <b>ESC</b>     | Extended Service Contract                         |
| <b>ESCM</b>    | Energy Storage Control Module                     |
| <b>ESD</b>     | Electrostatic Discharge                           |
| <b>ESM</b>     | EGR System Module                                 |
| <b>ESM</b>     | Electronic Steering Module                        |
| <b>ESN</b>     | Electronic Serial Number                          |
| <b>ESO</b>     | Engine ShutOff                                    |
| <b>ESOF</b>    | Electronic Shift On (the) Fly                     |
| <b>ESP</b>     | Electronic Stability Program                      |
| <b>EST</b>     | Electronic Spark Timing                           |
| <b>ETBE</b>    | Ethyl Tertiary Butyl Ether                        |
| <b>ETC</b>     | Electronic Temperature Control                    |
| <b>ETC</b>     | Electronic Throttle Control                       |
| <b>ETC</b>     | Electronic Timing Control                         |
| <b>ETCC</b>    | Electronic Touch Climate Control                  |
| <b>ETR</b>     | Electronically Tuned Receiver                     |
| <b>ETS</b>     | Enhanced Traction System                          |
| <b>EUDC</b>    | Extra-Urban Driving Cycle                         |
| <b>EUDC-LP</b> | Extra-Urban Driving Cycle for Low Power vehicles  |
| <b>EV</b>      | Electric Vehicle                                  |
| <b>EVA</b>     | Electronic Vibration Analyzer                     |
| <b>EVAP</b>    | Evaporative Emission                              |
| <b>EVAPCPF</b> | Evaporative Emissions Canister Purge Fault YES/NO |
| <b>EVAPCV</b>  | Evaporative Emissions Canister Purge Vent Control |
| <b>EVAPCVF</b> | Evaporative Emissions Canister Purge Vent Fault   |
| <b>EVAPPDC</b> | Evaporative Emissions Canister Purge Control %    |
| <b>EVAPPF</b>  | Evaporative Purge Flow Input VOLTS                |
| <b>EVIC</b>    | Electronic Vehicle Information Center             |
| <b>EVMV</b>    | Electric Vapour Management Valve                  |
| <b>EVO</b>     | Electronic Variable Orifice                       |
| <b>EVP</b>     | EGR Valve Position (sensor)                       |
| <b>EVR</b>     | EGR Vacuum Regulator                              |
| <b>EVTM</b>    | Electrical & Vacuum Troubleshooting Manual        |
| <b>EVTOP</b>   | Enhanced Tactical Vehicle Occupant Protection     |
| <b>EWMA</b>    | Exponentially Weighted Moving Average             |
| <b>EXH</b>     | Exhaust   |
| <b>F</b>       |   |
| <b>F4WD</b>    | Full Time Four Wheel Drive                        |
| <b>FABS</b>    | Flexible Auto Body System                         |
| <b>FAF</b>     | Fan Air Flow                                      |
| <b>FANDC</b>   | Variable Speed Fan Duty Cycle %                   |
| <b>FANVARF</b> | Variable Speed Fan Output Fault                   |
| <b>FBC</b>     | Feedback Carburetor                               |
| <b>FC</b>      | Fan Control                                       |

|              |  |
|--------------|--|
| <b>FC</b>    | Friction Curve                         |
| <b>FCM</b>   | Front Control module                   |
| <b>FCP</b>   | Fuel Cell Partnership                  |
| <b>FCU</b>   | Front Control Unit                     |
| <b>FCV</b>   | Fuel Cell Vehicle                      |
| <b>FDBK</b>  | Feedback                               |
| <b>FDC</b>   | Fuel Data Center                       |
| <b>FEAD</b>  | Front End Accessory Drive (belt)       |
| <b>FED</b>   | Federal (except California)            |
| <b>FEDS</b>  | Fuel Enable Data Stream                |
| <b>FEDS</b>  | Flexible Engine Diagnostic System      |
| <b>FEIC</b>  | Fuel Economy Integrated Counter        |
| <b>FET</b>   | Field Effect Transistor                |
| <b>FEX</b>   | Front Exchanger                        |
| <b>FF</b>    | Flexible Fuel                          |
| <b>FFCRS</b> | Front-Facing Child Restraint System    |
| <b>FFFP</b>  | Fuel-Flexible Fuel Processor           |
| <b>FFH</b>   | Fuel Fired Heater                      |
| <b>FFS</b>   | Fine-blanking and Finishing System     |
| <b>FFS</b>   | Flexible Fuel Sensor                   |
| <b>FFV</b>   | Flexible Fuel Vehicle                  |
| <b>FFWS</b>  | Fuel Filter Water Separator            |
| <b>FI</b>    | Fuel Injection                         |
| <b>FICM</b>  | Fuel Injector Control Module           |
| <b>FIDO</b>  | Flame Ionization Detector Optimization |
| <b>FIM</b>   | Fuel Indicator Module                  |
| <b>FIPL</b>  | Fuel Injection Pump Lever              |
| <b>FIPT</b>  | Fuel Inlet Pressure Test               |
| <b>FI</b>    | Front Left                             |
| <b>FLI</b>   | Fuel Level Indicator Input percent     |
| <b>FLI V</b> | Fuel Level Indicator Input VOLTS       |
| <b>FLO</b>   | Fast Light-Off                         |
| <b>f1r</b>   | Floor                                  |
| <b>FLVV</b>  | Fill Limit Vent Valve                  |
| <b>FM</b>    | Frequency Modulation                   |
| <b>FMEM</b>  | Failure Mode Effects Management        |
| <b>FMVSS</b> | Federal Motor Vehicle Safety Standards |
| <b>FP</b>    | Fuel Pump                              |
| <b>FPCM</b>  | Fuel injection Pump Control Module     |
| <b>FPDM</b>  | Fuel Pump Driver Module                |
| <b>FPF</b>   | Fuel Pump Output Fault                 |
| <b>FPI</b>   | Fins Per Inch                          |
| <b>FPM</b>   | Fuel Pump Monitor                      |
| <b>FPR</b>   | Fuel Pump Regulator                    |
| <b>FPRC</b>  | Fuel Pressure Regulator Circuit        |
| <b>FPS</b>   | Fast Pass Standard                     |
| <b>FPSM</b>  | Fuel Pump Secondary Monitor            |
| <b>FPV</b>   | Ford Performance Vehicles              |

|                |  |
|----------------|--|
| <b>FR</b>      | Front Right                                    |
| <b>FRACAS</b>  | Failure Reporting And Corrective Action System |
| <b>FRC</b>     | Forced   |
| <b>freq</b>    | Frequency                                      |
| <b>fmt</b>     | Front  |
| <b>FRP</b>     | Fuel Rail Pressure                             |
| <b>FRS</b>     | Face Recognition System                        |
| <b>FRV</b>     | First Response Vehicle                         |
| <b>FSA</b>     | Field Service Action                           |
| <b>FSDI</b>    | Four-Stroke, Direct Injection                  |
| <b>FSI</b>     | Fuel Straight Injection                        |
| <b>FSS</b>     | Forward Sensing System                         |
| <b>FSVF</b>    | Fuel Solenoid Valve Fault                      |
| <b>FSVM</b>    | Fuel Solenoid Valve Secondary Monitor          |
| <b>FT</b>      | Fuel Trim                                      |
| <b>FTP</b>     | Federal Test Procedure                         |
| <b>FTP</b>     | Fuel Tank Pressure                             |
| <b>FTPT</b>    | Fuel Tank Pressure Transducer                  |
| <b>FUDC</b>    | Federal Urban Driving Cycle                    |
| <b>FUELPW1</b> | Injector Pulse Width Bank 1                    |
| <b>FUELPW2</b> | Injector Pulse Width Bank 2                    |
| <b>FW</b>      | Flat Wire                                      |
| <b>fwd</b>     | Forward  |
| <b>FWD</b>     | Front Wheel Drive                              |
| <b>G</b>       |  |
| <b>g/cyl</b>   | Grams per Cylinder                             |
| <b>g/sec</b>   | Grams per Second                               |
| <b>GA</b>      | Gage   |
| <b>GA</b>      | Gravitational Acceleration                     |
| <b>GAWR</b>    | Gross Axle Weight Rating                       |
| <b>GCR</b>     | Global Concern Report                          |
| <b>GCW</b>     | Gross Combined Weight                          |
| <b>GCWR</b>    | Gross Combined Weight Rating                   |
| <b>GDI</b>     | Gasoline Direct Injection                      |
| <b>GEM</b>     | Gasoline Engine Management                     |
| <b>GEM</b>     | Generic Electronic Module                      |
| <b>GEN</b>     | Generator                                      |
| <b>GENF</b>    | Generator Output Fault                         |
| <b>GENFDC</b>  | Generator Field Control Output                 |
| <b>GFS</b>     | Generator Field Signal                         |
| <b>GGT</b>     | Gas Guzzler Tax                                |
| <b>GHG</b>     | GreenHouse Gas                                 |
| <b>GISMO</b>   | Geographic Information System, Mobile          |
| <b>GND</b>     | Ground   |
| <b>GOVN</b>    | Governor Module                                |
| <b>GPCM</b>    | Glow Plug Control Module                       |
| <b>GPS</b>     | Global Positioning System                      |
| <b>GS</b>      | Garage Shift                                   |

|                |  |
|----------------|--|
| <b>GTL</b>     | Gas To Liquid  |
| <b>GVW</b>     | Gross Vehicle Weight                                       |
| <b>GVWR</b>    | Gross Vehicle Weight Rating                                |
| <b>H</b>       | Hydrogen   |
| <b>H</b>       |  |
| <b>H/CMPR</b>  | High Compression   |
| <b>H2DI</b>    | Hydrogen Direct Injection                                  |
| <b>H2O</b>     | Water  |
| <b>HAST</b>    | High Accelerated Stress Test                               |
| <b>HBA</b>     | Hydraulic Brake Assist                                     |
| <b>HBU</b>     | Hub Bearing Unit   |
| <b>HC</b>      | Hydrocarbons   |
| <b>HCCI</b>    | Homogeneous-Charge, Compression Ignition                   |
| <b>HCM</b>     | Heating Control Module                                     |
| <b>HCM</b>     | Hybrid Control Module                                      |
| <b>HCU</b>     | Hydraulic Control Unit                                     |
| <b>HCV</b>     | Heavy Commercial Vehicle                                   |
| <b>HD</b>      | Heavy Duty   |
| <b>HDC</b>     | Heavy Duty Cooling   |
| <b>HDBGV</b>   | Heavy Duty Gasoline-fueled Vehicle                         |
| <b>HDR</b>     | High Data Rate   |
| <b>HD-UDDS</b> | Heavy Duty Urban Dynamometer Driving Schedule              |
| <b>HEC</b>     | Hybrid Electronic Cluster                                  |
| <b>HEDF</b>    | High Speed Electro Drive Fan (relay or circuit)            |
| <b>HEGO</b>    | Heated Exhaust Gas Oxygen (sensor) (replaced with H02S)    |
| <b>HEGOG</b>   | HEGO Ground (circuit)                                      |
| <b>HEPS</b>    | Hydraulic Electric Power Steering                          |
| <b>HEUI</b>    | Hydraulic-actuated Electronically-controlled Unit Injector |
| <b>HEV</b>     | Hybrid Electric Vehicle                                    |
| <b>HFC</b>     | High Fan Control   |
| <b>HFC</b>     | Hydraulic Fading Compensation                              |
| <b>HFCF</b>    | High Speed Fan Control Fault                               |
| <b>HFM</b>     | Hot Film Meter   |
| <b>HFP</b>     | High Fuel Pump   |
| <b>Hg</b>      | Mercury  |
| <b>Hi Alt</b>  | Hi Altitude  |
| <b>HICAS</b>   | High Capacity Actively Controlled Steering                 |
| <b>HID</b>     | High Intensity Discharge                                   |
| <b>HIS</b>     | Horizontal Impact Sensor                                   |
| <b>hist</b>    | History  |
| <b>HLDT</b>    | Heavy Light-Duty Truck                                     |
| <b>HLOS</b>    | Hardware Limited Operating Strategy                        |
| <b>HO</b>      | High Output  |
| <b>HO2S</b>    | Heated Oxygen Sensor                                       |
| <b>hp</b>      | Horsepower   |
| <b>HPDI</b>    | High Pressure Direct Injection                             |
| <b>HPL</b>     | High Pressure Liquid                                       |
| <b>HPP</b>     | High Pressure Pump   |

|               |   |
|---------------|---|
| <b>HPS</b>    | Head Protection System                                      |
| <b>HPS</b>    | High Performance System                                     |
| <b>HPV</b>    | High Pressure Vapour  |
| <b>HPVS</b>   | Heat Pump Ventilation System                                |
| <b>HRC</b>    | Headlamp Range Control                                      |
| <b>HSA</b>    | Head Side Airbag  |
| <b>HSC</b>    | High Swirl Combustion                                       |
| <b>HSCDS</b>  | High-Sensitivity Collision Detection System                 |
| <b>HSDI</b>   | High-Speed Direct Injection                                 |
| <b>HSE</b>    | High-Speed Enrichment                                       |
| <b>HSEA</b>   | High Solar Energy Absorbing (glass)                         |
| <b>HTCM</b>   | Heating-ventilation-air-conditioning Thermal Control Module |
| <b>HTR11</b>  | Bank 1 Upstream O2S Heater Control                          |
| <b>HTR11F</b> | Bank 1 Upstream O2S Heater Circuit Fault                    |
| <b>HTR12</b>  | Bank 1 Downstream O2S Heater Control                        |
| <b>HTR12F</b> | Bank 1 Downstream O2S Heater Circuit Fault                  |
| <b>HTR21</b>  | Bank 2 Upstream O2S Heater Control                          |
| <b>HTR21F</b> | Bank 1 Downstream O2S Heater Circuit Fault                  |
| <b>HTR22</b>  | Bank 2 Downstream O2S Heater Control                        |
| <b>HTR22F</b> | Bank 1 Downstream O2S Heater Circuit Fault                  |
| <b>HTRX1</b>  | O2S Upstream Heater Control                                 |
| <b>HTRX2</b>  | O2S Downstream Heater Control                               |
| <b>HUD</b>    | Heads Up Display  |
| <b>HUD</b>    | Heads Up Display  |
| <b>HVAC</b>   | Heater-Vent-Air Conditioning                                |
| <b>HVACM</b>  | Heater-Vent-Air Conditioning Module                         |
| <b>HVI</b>    | High Viscosity Index  |
| <b>HVIL</b>   | High Voltage Interlock Loop                                 |
| <b>HVM</b>    | Heater Vent Module  |
| <b>HW</b>     | Heated Windshield   |
| <b>HWFET</b>  | Highway Fuel Economy Test (driving schedule)                |
| <b>HYPAS</b>  | Hydraulic Power Assisted Steering                           |
| <b>Hz</b>     | Hertz   |
| <b>I</b>      |   |
| <b>I/M</b>    | Inspection Maintenance                                      |
| <b>I/O</b>    | In/Out  |
| <b>I/P</b>    | Instrument Panel  |
| <b>IA</b>     | Intake Air  |
| <b>IABM</b>   | Integrated AirBag Module                                    |
| <b>IAC</b>    | Idle Air Control  |
| <b>IAFM</b>   | Integrated Air Fuel Module                                  |
| <b>IAFS</b>   | Integrated Air Fuel System                                  |
| <b>IAT</b>    | Intake Air Temperature                                      |
| <b>iATN</b>   | International Automotive Technicians Network                |
| <b>IBOB</b>   | Intelligent BreakOut Box                                    |
| <b>IC</b>     | Ignition Control  |
| <b>IC</b>     | Integrated Circuit  |
| <b>ICA</b>    | Injector Cam Actuation                                      |



|               |   |
|---------------|---|
| <b>ICC</b>    | Intelligent Cruise Control                                |
| <b>ICCS</b>   | Integrated Chassis Control System                         |
| <b>ICDX</b>   | Integrated Compact Disc Changer                           |
| <b>ICE</b>    | Internal Combustion Engine                                |
| <b>ICM</b>    | Ignition Control Module                                   |
| <b>ICP</b>    | Injection Control Pressure                                |
| <b>ICS</b>    | Integrated Chassis System                                 |
| <b>ICWS</b>   | Intersection Collision Warning System                     |
| <b>ID</b>     | Identification  |
| <b>ID</b>     | Inside Diameter   |
| <b>IDI</b>    | Integrated Direct Ignition                                |
| <b>IDIS</b>   | International Dismantling Information System              |
| <b>IDM</b>    | Ignition Diagnostic Module                                |
| <b>IDM</b>    | Injector Driver Module                                    |
| <b>IDS</b>    | Integrated Diagnostic Software                            |
| <b>IEDIS</b>  | Integrated Electronic Distributorless Ignition System     |
| <b>IFES</b>   | Integrated Front End System                               |
| <b>IFI</b>    | Indirect Diesel Injection                                 |
| <b>IFS</b>    | Inertia Fuel Shutoff                                      |
| <b>IFSM</b>   | Integrated Fuel System Module                             |
| <b>IGN</b>    | Ignition  |
| <b>ILC</b>    | Idle Load Compensator                                     |
| <b>ILEV</b>   | Inherently Low Emission Vehicle                           |
| <b>illum</b>  | Illumination  |
| <b>IMA</b>    | Integrated Motor Assist                                   |
| <b>IMDX</b>   | Integrated Mini Disc Changer                              |
| <b>IMLUT</b>  | Inspection/Maintenance Look-Up Table                      |
| <b>immo</b>   | Immobilizer   |
| <b>IMPR</b>   | In-use Monitor Performance Ratio                          |
| <b>IMRC</b>   | Intake Manifold Runner Control                            |
| <b>IMRC F</b> | Intake Manifold Runner Control Fault YES/NO               |
| <b>IMRCM</b>  | Intake Manifold Runner Control Monitor Input Bank 1 VOLTS |
| <b>IMRCM2</b> | Intake Manifold Runner Control Monitor Input Bank 2 VOLTS |
| <b>IMS</b>    | Inductive Magnetic Saturation                             |
| <b>IMS</b>    | Instant Mobility System                                   |
| <b>IMSC</b>   | Intake Manifold Swirl Control                             |
| <b>IMSC F</b> | Intake Manifold Swirl Control Fault                       |
| <b>IMT</b>    | Intake Manifold Tuning                                    |
| <b>IMTD</b>   | Intake Manifold Temperature Differential                  |
| <b>IMTV</b>   | Intake Manifold Tuning Valve Control %                    |
| <b>IMTVF</b>  | Intake Manifold Tuning Valve Fault                        |
| <b>in</b>     | Inch(es)  |
| <b>inadv</b>  | Inadvertant   |
| <b>inc</b>    | Increment   |
| <b>INCA</b>   | In-Car Aquisition   |
| <b>incand</b> | Incandescent  |
| <b>infl</b>   | Inflatable  |
| <b>init</b>   | Initial   |

|                  |   |
|------------------|---|
| <b>INJ</b>       | Injection   |
| <b>INJ</b>       | Injector  |
| <b>INJ1F-8F</b>  | Fuel Injector Primary Fault Cylinders 1 thru 8            |
| <b>INJ9F-IOF</b> | Fuel Injector Primary Fault Cylinders 9 and 10            |
| <b>INP</b>       | Input   |
| <b>inst</b>      | Instant   |
| <b>int</b>       | Interior  |
| <b>INT</b>       | Integrator (replaced with ST FUEL TRIM)                   |
| <b>IOC</b>       | Instant Oil Change  |
| <b>IPC</b>       | Instrument Panel Cluster                                  |
| <b>IPEC</b>      | Instrument Panel Electrical Center                        |
| <b>IPM</b>       | Instrument Panel Module                                   |
| <b>IPM</b>       | Integrated Power Module                                   |
| <b>IPR</b>       | Injector Pressure Regulator                               |
| <b>IRDS</b>      | Independant Rear Drive Suspension                         |
| <b>IRQ</b>       | Interrupt Request   |
| <b>IRS</b>       | Independant Rear Suspension                               |
| <b>ISA</b>       | Integrated Starter-Alternator                             |
| <b>ISAD</b>      | Integrated Starter Alternator Damper                      |
| <b>ISB</b>       | Interact System B   |
| <b>ISC</b>       | Idle Speed Control  |
| <b>ISG</b>       | Integrated Starter-Generator                              |
| <b>ISI</b>       | Ion Sensing Ignition                                      |
| <b>ISO</b>       | Interior Systems Optimization                             |
| <b>ISO</b>       | International Standards Organization                      |
| <b>iso</b>       | Isolation   |
| <b>ISS</b>       | Input Shaft Speed   |
| <b>ITARDA</b>    | Institute for Traffic Accident Research and Data Analysis |
| <b>ITS</b>       | Idle Tracking Switch                                      |
| <b>ITTB</b>      | Idle Time To Boil   |
| <b>ITTR</b>      | Inflatable Tubular Torso Restraint                        |
| <b>IVC</b>       | Integral Vapour Canister                                  |
| <b>IVCS</b>      | Integrated Vehicle Control System                         |
| <b>IVI</b>       | Intelligent Vehicle Initiative                            |
| <b>IVIS</b>      | In Vehicle Information System                             |
| <b>IVMS</b>      | In Vehicle Monitoring System                              |
| <b>IVS</b>       | Idle Validation Switch                                    |
| <b>IVSC</b>      | Integrated Vehicle Speed Control                          |
| <b>IWC</b>       | Inertia Weight Class                                      |
| <b>J</b>         |   |
| <b>JARI</b>      | Japan Automotive Research Institute                       |
| <b>JTEC</b>      | Jeep, Truck Engine Control                                |
| <b>JTEC</b>      | Joint Transmission-Engine Controller                      |
| <b>K</b>         |   |
| <b>KAM</b>       | Keep Alive Memory   |
| <b>KAPWR</b>     | Keep Alive power  |
| <b>KDD</b>       | Keyboard Display Driver                                   |
| <b>kg</b>        | Kilogram  |

|                |  |
|----------------|--|
| <b>kg/h</b>    | Kilograms per Hour                     |
| <b>kHz</b>     | Kilohertz                              |
| <b>km</b>      | Kilometer                              |
| <b>km/h</b>    | Kilometers per Hour                    |
| <b>km/l</b>    | Kilometers per Litre                   |
| <b>KOEO</b>    | Key On Engine Off                      |
| <b>KOER</b>    | Key On Engine Running                  |
| <b>kPa</b>     | Kilopascal                             |
| <b>KS</b>      | Knock Sensor                           |
| <b>KS1 V</b>   | Knock Sensor Input Bank 1 VOLTS        |
| <b>KS2 V</b>   | Knock Sensor Input Bank 2 VOLTS        |
| <b>kV</b>      | Kilovolts                              |
| <b>L</b>       | Liter(s)                               |
| <b>L</b>       |  |
| <b>L/M</b>     | Litres Per Minute                      |
| <b>L4</b>      | Four Cylinder Inline Engine            |
| <b>LATCH</b>   | Lower Anchors and Tethers for CHildren |
| <b>LB</b>      | Long Box, Long Bed                     |
| <b>LCD</b>     | Liquid Crystal Display                 |
| <b>LCM</b>     | Lighting Control Module                |
| <b>LDCL</b>    | Left Door Control Locking              |
| <b>LDCM</b>    | Left Door Control Module               |
| <b>LDDT</b>    | Light Duty Diesel Truck                |
| <b>LDGT</b>    | Light Duty Gasoline (fueled) Truck     |
| <b>LDM</b>     | Lamp Driver Module                     |
| <b>LDP</b>     | Leak Detection Pump                    |
| <b>LDR</b>     | Low Data Rate                          |
| <b>lduty</b>   | Light Duty                             |
| <b>LEADER</b>  | Low Emissions Advanced Engine Range    |
| <b>LED</b>     | Light Emitting Diode                   |
| <b>LEP</b>     | Light Emitting Polymer                 |
| <b>LEV</b>     | Low Emissions Vehicle                  |
| <b>LF</b>      | Left Front                             |
| <b>LFC</b>     | Lamp Fault Code                        |
| <b>LFC</b>     | Low Fan Control                        |
| <b>LFCF</b>    | Low Speed Fan Control Fault            |
| <b>LFCS</b>    | Low Flow Cooling System                |
| <b>LFP</b>     | Low Fuel pump                          |
| <b>LFWS</b>    | Left Front Wheel Speed                 |
| <b>LGM</b>     | Lift Gate Module                       |
| <b>LH</b>      | Left Hand                              |
| <b>LIE</b>     | Laterally Inclined Engine              |
| <b>lm</b>      | Lumens                                 |
| <b>LMD</b>     | Left Mid Door                          |
| <b>LNG</b>     | Liquid Natural Gas                     |
| <b>LO</b>      | Low                                    |
| <b>LOMA</b>    | Lifter Oil Manifold Assembly           |
| <b>LONGFT1</b> | Long Term Fuel Trim Bank 1 %           |

|                   |   |
|-------------------|---|
| <b>LONGFT2</b>    | Long Term Fuel Trim Bank 2 %                |
| <b>LOS</b>        | Limited Operation Strategy                  |
| <b>LPA</b>        | Low Pressure Accumulator                    |
| <b>LPG</b>        | Liquified Petroleum Gas                     |
| <b>LPM</b>        | Litres Per Minute                           |
| <b>LPO</b>        | Limited Production Option                   |
| <b>LPS</b>        | Low Pressure Sensor                         |
| <b>LR</b>         | Left Rear                                   |
| <b>LR</b>         | Loaded Radius                               |
| <b>LRA</b>        | Latching Rocker Arm                         |
| <b>LRD</b>        | Left Rear Door                              |
| <b>lrm</b>        | Learn                                       |
| <b>LSD</b>        | Limited Slip Differential                   |
| <b>LSEGR</b>      | Linear Solenoid Exhaust Gas Recirculation   |
| <b>LSP and BV</b> | Load Sensing Proportioning and Bypass Valve |
| <b>LSUV</b>       | Luxury Sport Utility Vehicle                |
| <b>LT</b>         | Left  |
| <b>LT</b>         | Long Term (Fuel Trim)                       |
| <b>LTA</b>        | Low Temperature Aftercooling                |
| <b>LTD</b>        | Long-Travel Dampened (clutch)               |
| <b>LTPI</b>       | Low Tire Pressure Indicator                 |
| <b>LTPWS</b>      | Low Tire Pressure Warning System            |
| <b>LUS</b>        | Lock-Up Solenoid (see TCC)                  |
| <b>LV8</b>        | Load Variable 8 Cylinder                    |
| <b>LVDT</b>       | Linear Variable Differential Transducer     |
| <b>LVL</b>        | Level                                       |
| <b>LWB</b>        | Long WheelBase (see LB)                     |
| <b>M</b>          |   |
| <b>M/T</b>        | Manual Transmission/Transaxle MTBE          |
| <b>MAF</b>        | Mass Air Flow                               |
| <b>malf</b>       | Malfunction                                 |
| <b>MALL</b>       | Multifunction Alarm Lighting and Locking    |
| <b>MAN</b>        | Manufacturer                                |
| <b>MAP</b>        | Manifold Absolute Pressure                  |
| <b>MAT</b>        | Manifold Air Temperature                    |
| <b>MC</b>         | Measuring Core                              |
| <b>MC</b>         | Mixture Control                             |
| <b>MCM</b>        | Message Center Module                       |
| <b>MCNU</b>       | Multiband Configurable Networking Units     |
| <b>MCU</b>        | Microprocessor Control Unit                 |
| <b>MD</b>         | Mini Disc                                   |
| <b>MD</b>         | Modulated Displacement                      |
| <b>MDP</b>        | Manifold Differential Pressure              |
| <b>MDS(2)</b>     | Mopar Diagnostic System                     |
| <b>MDX</b>        | Mini Disc Changer                           |
| <b>MECS</b>       | Mazda Electronic Control System             |
| <b>med</b>        | Medium                                      |
| <b>MEM</b>        | Memory                                      |

|                       |  |
|-----------------------|--|
| <b>MEMCAL</b>         | Memory Calibration                           |
| <b>MFC</b>            | Medium Speed Fan Control ON/OFF              |
| <b>MFCF</b>           | Medium Speed Fan Control Fault YES/NO        |
| <b>MFI</b>            | Multiport Fuel Injection                     |
| <b>MGMT</b>           | Management                                   |
| <b>MIC</b>            | Mechanical Instrument Cluster                |
| <b>MID</b>            | Midrange                                     |
| <b>MID</b>            | Monitor Identification                       |
| <b>MIL</b>            | Malfunction Indicator Lamp                   |
| <b>MIN</b>            | Minimum                                      |
| <b>MIN</b>            | Minute                                       |
| <b>MIN</b>            | Mobile Identification Number                 |
| <b>MIP</b>            | Mixer Inlet Pressure                         |
| <b>ML</b>             | Manual Longitudinal                          |
| <b>MLP(s)</b>         | Manual Lever Position (sensor)               |
| <b>mm</b>             | Millimetre                                   |
| <b>mm<sup>3</sup></b> | Cubic Millimetre(s)                          |
| <b>MMC</b>            | Manifold Mounted Converter                   |
| <b>mmhg</b>           | Millimeters of mercury                       |
| <b>MMM</b>            | Memory Mirror Module                         |
| <b>MMT</b>            | Methylcyclopentadienyl Manganese Tricarbonyl |
| <b>mod</b>            | Module                                       |
| <b>mon</b>            | Monitor                                      |
| <b>MPa</b>            | Megapascal                                   |
| <b>MPFI</b>           | Multiport Fuel Injection                     |
| <b>ms</b>             | Millisecond                                  |
| <b>MSFF</b>           | Miles Since First Fail                       |
| <b>MSLF</b>           | Miles Since Last Fail                        |
| <b>MSM</b>            | Memory Seat Module                           |
| <b>MSO</b>            | Mixed Signal Oscilloscope                    |
| <b>MSRP</b>           | Manufacturers Suggested Retail Price         |
| <b>MST</b>            | Manifold Surface Temperature                 |
| <b>MSVA</b>           | Magnetic Steering Variable Assist            |
| <b>MTBF</b>           | Mean Time Between Failures                   |
| <b>MTV</b>            | Manifold Tuning Valve                        |
| <b>MV</b>             | Megavolt                                     |
| <b>mV</b>             | Millivolt                                    |
| <b>MVLPS</b>          | Manual Valve Lever Position Sensor           |
| <b>MVSA</b>           | Motor Vehicle Safety Act                     |
| <b>MVSS</b>           | Motor Vehicle Safety Standards               |
| <b>MY</b>             | Model Year                                   |
| <b>N</b>              |  |
| <b>NAAO</b>           | North American Automotive Operations         |
| <b>NAES</b>           | North American Export Sales                  |
| <b>NAICC</b>          | Navigation-Aided Intelligent Cruise Control  |
| <b>NC</b>             | Normally Closed                              |
| <b>NCAP</b>           | New Car Assessment Program                   |
| <b>NDH</b>            | Navigation Display Head                      |

|               |   |
|---------------|---|
| <b>NEG</b>    | Negative  |
| <b>NEU</b>    | Neutral   |
| <b>NFF</b>    | No Fault Found  |
| <b>NG</b>     | Natural Gas   |
| <b>NGS</b>    | New Generation STAR (Self Test Automatic Readout)                     |
| <b>NGSC</b>   | Next Generation Speed Control   |
| <b>NGTP</b>   | Next Generation Telematics Protocol                                   |
| <b>NGV</b>    | Natural Gas Vehicle   |
| <b>NGV</b>    | New Generation Vehicle  |
| <b>NGVM</b>   | Natural Gas Vehicle Module  |
| <b>NHTSA</b>  | National Highway Traffic Safety Administration                        |
| <b>NI</b>     | Neutral Idle  |
| <b>NIMH</b>   | Nickel Metal Hydride  |
| <b>NLGI</b>   | National Lubricating Grease Institute                                 |
| <b>N-m</b>    | Newton Meters   |
| <b>NO</b>     | Normally Open   |
| <b>NoVRAM</b> | Non Volatile Random Access Memory                                     |
| <b>NOx</b>    | Nitrogen Oxides   |
| <b>NPF</b>    | No Problem Found  |
| <b>NPTC</b>   | National Pipe Thread Coarse   |
| <b>NPTF</b>   | National Pipe Thread Fine   |
| <b>NSBU</b>   | Neutral Safety Back Up  |
| <b>NV</b>     | Night Vision  |
| <b>NVH</b>    | Noise, Vibration and Harshness  |
| <b>NVLD</b>   | Natural Vacuum Leak Detection   |
| <b>NVRAM</b>  | Non Volatile Random Access Memory                                     |
| <b>NYCC</b>   | New York City Cycle   |
| <b>O</b>      |   |
| <b>O2</b>     | Oxygen  |
| <b>O2S</b>    | Oxygen Sensor   |
| <b>OAD</b>    | Overrunning Alternator Decoupler                                      |
| <b>OAP</b>    | Overrunning Alternator Pulley   |
| <b>OASIS</b>  | Online Automotive Service Information System                          |
| <b>OASIS</b>  | Organization for the Advancement of Structured Information Standards. |
| <b>OBD</b>    | On Board Diagnostics  |
| <b>OBD II</b> | On Board Diagnostics, Generation 2                                    |
| <b>OC</b>     | Oxidation Catalyst Only   |
| <b>OCC</b>    | Output Circuit Check  |
| <b>OCR</b>    | Oil Control Ring  |
| <b>OCS</b>    | Occupant Classification Sensor  |
| <b>OCS</b>    | Opportunity Charge Station  |
| <b>OD</b>     | Outside Diameter  |
| <b>OD</b>     | Overdrive   |
| <b>ODM</b>    | Output Drive Module   |
| <b>ODO</b>    | Odometer  |
| <b>OE</b>     | Original Equipment  |
| <b>OEM</b>    | Original Equipment Manufacturer                                       |
| <b>OHC</b>    | Overhead Camshaft   |

|              |   |
|--------------|---|
| <b>OL</b>    | Open Loop                               |
| <b>OLED</b>  | Organic Light Emitting Diode            |
| <b>OPR</b>   | Over Pressure Relief                    |
| <b>ORC</b>   | Oxidation Reduction Converter           |
| <b>ORC</b>   | Occupant Restraint Controller           |
| <b>ORVR</b>  | On-board Refueling Vapour Recovery      |
| <b>OSC</b>   | Output State Check                      |
| <b>OSC</b>   | Output State Control                    |
| <b>OSGI</b>  | Open-Service Gateway Interface          |
| <b>OSS</b>   | Output Shaft Speed                      |
| <b>OTC</b>   | Overhead Trip Computer                  |
| <b>OTIS</b>  | Overhead Travel Information System      |
| <b>OTM</b>   | Output Test Monitor                     |
| <b>P</b>     |   |
| <b>P/N</b>   | Part Number                             |
| <b>PAB</b>   | Passenger Air Bag                       |
| <b>PADS</b>  | Passenger Airbag Disarm Switch          |
| <b>PAG</b>   | Polyalkylene Glycol                     |
| <b>PAG</b>   | (Ford) Premier Automotive Group         |
| <b>PAIR</b>  | Pulsed Secondary Air Injection          |
| <b>PASE</b>  | PAssive Start and Entry system          |
| <b>PASM</b>  | Porche Active Steering Management       |
| <b>PASS</b>  | Passenger                               |
| <b>PASS</b>  | Personalized Automotive Security System |
| <b>PATS</b>  | Passive Anti-Theft System               |
| <b>PB</b>    | Power Brakes                            |
| <b>PC</b>    | Pressure Control                        |
| <b>PCB</b>   | Printed Circuit Board                   |
| <b>PCI</b>   | Programmable Communications Interface   |
| <b>PCI</b>   | Programmable Controller Interface       |
| <b>PCM</b>   | Power Control Module                    |
| <b>PCM</b>   | Powertrain Control Module               |
| <b>PCS</b>   | Pre-Crash Sensor                        |
| <b>PCS</b>   | Pressure Control Solenoid               |
| <b>PCV</b>   | Positive Crankcase Ventilation          |
| <b>PDC</b>   | Park Distance Control                   |
| <b>PDC</b>   | Parts Distribution Center               |
| <b>PDC</b>   | Power Distribution Center               |
| <b>PDS</b>   | Passenger Door Switch                   |
| <b>PDS</b>   | Portable Diagnostic Software            |
| <b>PDV</b>   | Parcel Delivery Van                     |
| <b>PEB</b>   | Power Electronics Bay                   |
| <b>PEM</b>   | Proton Electric Membrane                |
| <b>PEMFC</b> | Proton Exchange Membrane Fuel Cell      |
| <b>PEP</b>   | Peripheral Expansion Port               |
| <b>PFE</b>   | Pressure Feedback EGR                   |
| <b>PFI</b>   | Port Fuel Injection                     |
| <b>PFM</b>   | PDS File Manager                        |

|              |   |
|--------------|---|
| <b>PFS</b>   | Purge Flow Sensor                           |
| <b>PHEV</b>  | Plug-in Hybrid Electric Vehicle             |
| <b>PHT</b>   | Parallel Hybrid Truck                       |
| <b>PID</b>   | Parameter Identification                    |
| <b>PIM</b>   | Power Inverter Module                       |
| <b>PIP</b>   | Profile Ignition Pickup (replaced with CKP) |
| <b>PKE</b>   | Passive Keyless Entry                       |
|              |   |
| <b>PLL</b>   | Phase Locked Loop                           |
| <b>PM</b>    | Permanent Magnet                            |
| <b>PMD</b>   | Pump Mounted Driver                         |
| <b>PMV</b>   | Pressure Modulator Valve                    |
| <b>PNP</b>   | Park/Neutral Position                       |
| <b>POA</b>   | Pilot Operated Absolute                     |
| <b>pos</b>   | Position                                    |
| <b>POS</b>   | Positive                                    |
| <b>POT</b>   | Potentiometer                               |
| <b>P-PC</b>  | Pocket Personal Computer                    |
| <b>ppm</b>   | Parts Per Million                           |
| <b>PPS</b>   | Passenger Presence Sensor                   |
| <b>PRNDL</b> | Park Reverse Neutral Drive Low              |
| <b>PROM</b>  | Programmable Read Only Memory               |
| <b>PROX</b>  | PReferential OXidation                      |
| <b>PS</b>    | Power Steering                              |
| <b>PSA</b>   | Pressure Switch Assembly                    |
| <b>PSCM</b>  | Passenger Seat Control Module               |
| <b>PSCM</b>  | Power Steering Control Module               |
| <b>PSD</b>   | Power Sliding Door                          |
| <b>psgr</b>  | Passenger                                   |
| <b>psi</b>   | Pounds Per Square Inch                      |
| <b>psia</b>  | Pounds Per Square Inch Absolute             |
| <b>psig</b>  | Pounds Per Square Inch Gauge                |
| <b>PSIR</b>  | Passenger Supplemental Inflatable Restraint |
| <b>PSM</b>   | Passenger Seat Module                       |
| <b>PSOM</b>  | Programmable Speedometer/Odometer Module    |
| <b>PSP</b>   | Power Steering Pressure                     |
| <b>PSV</b>   | Public Service Vehicle                      |
| <b>PTC</b>   | Pending Trouble Code                        |
| <b>PTC</b>   | Positive Temperature Coefficient            |
| <b>PTO</b>   | Power Takeoff                               |
| <b>PTOX</b>  | Periodic Trap Oxidizer                      |
| <b>PTU</b>   | Part Throttle Unlock                        |
| <b>PWM</b>   | Pulse Width Modulation                      |
| <b>PWR</b>   | Power                                       |
| <b>PZEV</b>  | Partial Zero Emission Vehicle               |
| <b>PZM</b>   | Platform Zone Module                        |
| <b>Q</b>     |   |
| <b>QDM</b>   | Quad Driver Module                          |



|                |   |
|----------------|---|
| <b>QDR</b>     | Quality, Durability, Reliability            |
| <b>QVM</b>     | Qualified Vehicle Modifier                  |
| <b>R</b>       |   |
| <b>R&amp;R</b> | Remove and Replace                          |
| <b>R/A</b>     | Resume or Accelerate                        |
| <b>R/T</b>     | Road/Track                                  |
| <b>RABS</b>    | Rear Antilock Brake System                  |
| <b>RAC</b>     | Remote Accessory Controller                 |
| <b>RAM</b>     | Random Access Memory                        |
| <b>RAM</b>     | Ride Air Module                             |
| <b>RAM</b>     | Remote Anti-theft Module                    |
| <b>RAP</b>     | Retained Access Power                       |
| <b>RAV</b>     | Remote Activation Verification              |
| <b>RBC</b>     | Rotary Blade Coupling                       |
| <b>RCC</b>     | Rear Climate Control                        |
| <b>RCC</b>     | Remote Climate Control                      |
| <b>RCDLR</b>   | Remote Control Door Lock Receiver           |
| <b>RCM</b>     | Restraint Control Module                    |
| <b>RDCM</b>    | Right Door Control Module                   |
| <b>RDM</b>     | Rear Door Module                            |
| <b>RDS</b>     | Radio (broadcast) Data System               |
| <b>RDS</b>     | Radio Display System                        |
| <b>rec</b>     | Receive                                     |
| <b>recal</b>   | Recalibrate, Recalibration                  |
| <b>RECS</b>    | Remote Entry Control and Immobilizer System |
| <b>REDOX</b>   | Reduction Oxidation Catalytic Converter     |
| <b>REEGR</b>   | Rotary Electric EGR                         |
| <b>REF</b>     | Reference                                   |
| <b>RESC</b>    | Remote Emergency Satellite Unit             |
| <b>REX</b>     | Rear Exchanger                              |
| <b>RF</b>      | Radio Frequency                             |
| <b>RF</b>      | Right Front                                 |
| <b>RFA</b>     | Remote Function Actuator                    |
| <b>RFF</b>     | Roller Finger Followers                     |
| <b>RFI</b>     | Radio Frequency Interference                |
| <b>RFID</b>    | Radio Frequency Identification              |
| <b>RFWS</b>    | Right Front Wheel Speed                     |
| <b>RH</b>      | Right Hand                                  |
| <b>RIM</b>     | Radio Interface Module                      |
| <b>RIM</b>     | Rear Integration Module                     |
| <b>RKE</b>     | Remote Keyless Entry                        |
| <b>Rly</b>     | Relay                                       |
| <b>RM</b>      | Relay Module                                |
| <b>RMD</b>     | Right Mid Door                              |
| <b>ROM</b>     | Read Only Memory                            |
| <b>RPA</b>     | Rear Parking Assist                         |
| <b>RPM</b>     | Remote Power Module                         |
| <b>RPM</b>     | Revolutions Per Minute                      |

|               |  |
|---------------|--|
| <b>RPO</b>    | Regular Production Option                          |
| <b>RR</b>     | Right Rear   |
| <b>RRD</b>    | Right Rear Door                                    |
| <b>RSA</b>    | Rear Seat Audio                                    |
| <b>RSC</b>    | Roll Stability Control                             |
| <b>RSE</b>    | Roadside Equipment                                 |
| <b>RSS</b>    | Reverse Sensing System                             |
| <b>RSS</b>    | Road Sensing Suspension                            |
| <b>RT</b>     | Right  |
| <b>RTC</b>    | Real—Time Clock                                    |
| <b>RTD</b>    | Real Time Dampening                                |
| <b>RTN</b>    | Return   |
| <b>RTT</b>    | Reconfigurable Telltale                            |
| <b>RTTP</b>   | Rotunda Technician Tool Program                    |
| <b>RTV</b>    | Room Temperature Vulcanizing                       |
| <b>RV</b>     | Recreational Vehicle                               |
| <b>RVAC</b>   | Rear Video/Audi/HVAC Module                        |
| <b>RVP</b>    | Reid Vapour Pressure                               |
| <b>RWAL</b>   | Rear Wheel Anti-lock                               |
| <b>RWD</b>    | Rear Wheel Drive                                   |
| <b>RWS</b>    | Rear—Wheel Steer                                   |
| <b>S</b>      |  |
| <b>S/P</b>    | Series/Parallel                                    |
| <b>S/W</b>    | Software   |
| <b>S4WD</b>   | Selectable Four Wheel Drive                        |
| <b>SAE</b>    | Society of Automotive Engineers                    |
| <b>SAF</b>    | Stabilized Aluminum Foam                           |
| <b>SAS</b>    | Side Auxiliary Sensor                              |
| <b>SATC</b>   | Semi-Auto Temperature Control module               |
| <b>SAVDAS</b> | Stand-Alone Vehicle Data Aquisition System         |
| <b>SAW</b>    | Spark Angle Word                                   |
| <b>SB</b>     | Short Box, Short Bed                               |
| <b>SBDS</b>   | Service Bay Diagnostic System                      |
| <b>SBEC</b>   | Single Board Engine Controller (replaced with PCM) |
| <b>SBM</b>    | Standard Body Module                               |
| <b>SBS</b>    | Supercharger Bypass Solenoid                       |
| <b>SBT</b>    | Serial Bus Traveller                               |
| <b>SC</b>     | Supercharger                                       |
| <b>SCA</b>    | Supplemental Coolant Additive                      |
| <b>SCB</b>    | Supercharger Bypass                                |
| <b>SCCA</b>   | Sports Car Club of America                         |
| <b>SCI</b>    | Serial Communications Interface                    |
| <b>SCIL</b>   | Steering Column/Instrument panel Lighting          |
| <b>SCM</b>    | Seat Control Module                                |
| <b>SCP</b>    | Standard Corporate Protocol                        |
| <b>SCS</b>    | Side Crash Sensor                                  |
| <b>SCTM</b>   | Seatbelt Timer Control Module                      |
| <b>SCV</b>    | Speed Controlled Volume                            |

|                 |  |
|-----------------|--|
| <b>SDARS</b>    | Satellite Digital Audio Radio System                     |
| <b>SDL</b>      | Serial Data Link   |
| <b>SDM</b>      | Sensing and Diagnostic Module                            |
| <b>SDRS</b>     | Satellite Digital Receiver System                        |
| <b>SDS</b>      | Satellite Discriminating Sensor                          |
| <b>SDS</b>      | Shock Dampening System                                   |
| <b>SDV</b>      | Spark Delay Valve  |
| <b>SEFI</b>     | Sequential Electronic Fuel Injection (replaced with SFI) |
| <b>SEMA</b>     | Specialty Equipment Market Association                   |
| <b>SEO</b>      | Special Equipment Option                                 |
| <b>SES</b>      | Service Engine Soon (replaced with MIL)                  |
| <b>SFI</b>      | Sequential (multiport) Fuel Injection                    |
| <b>SGCM</b>     | Starter/Generator Control Module                         |
| <b>SHO</b>      | Super High Output  |
| <b>SI</b>       | System International                                     |
| <b>SIAB</b>     | Side Impact Air Bag                                      |
| <b>SIACM</b>    | Side Impact Air Bag Control Module                       |
| <b>SIG RTN</b>  | Signal Return  |
| <b>SIL</b>      | Shift Indicator Lamp                                     |
| <b>SIR</b>      | Supplemental Inflatable Restraint                        |
| <b>SIS</b>      | Side Impact Sensor                                       |
| <b>SKIM</b>     | Sentry Key Immobilizer Module                            |
| <b>SLA</b>      | Short/Long Arm suspension                                |
| <b>SLB</b>      | Smart Junction Box                                       |
| <b>SMCC</b>     | Stepper Motor Cruise Control                             |
| <b>SMEC</b>     | Single Module Engine Controller (replaced with PCM)      |
| <b>SMPI</b>     | Sequential Multi-Port Injection                          |
| <b>SNSR</b>     | Sensor   |
| <b>SO2</b>      | Sulphur Dioxide  |
| <b>SOC</b>      | State Of Charge  |
| <b>SOD</b>      | Side Object Detection                                    |
| <b>SOH</b>      | State of Health  |
| <b>sol</b>      | Solenoid   |
| <b>SP</b>       | Splice Pack  |
| <b>SPD</b>      | Speed  |
| <b>SPI</b>      | Serial Peripheral Interface                              |
| <b>SPL</b>      | Smoke Puff Limiter                                       |
| <b>SPO</b>      | Service Parts Operations                                 |
| <b>SPOUT</b>    | Spark Output   |
| <b>SPRK ACT</b> | Spark Advance Actual                                     |
| <b>SPS</b>      | Service Programming System                               |
| <b>SPS</b>      | Speed Signal   |
| <b>SPS</b>      | Service Programming System                               |
| <b>SRC</b>      | Selective Ride Control                                   |
| <b>SRG</b>      | Solar-Reflective Glass                                   |
| <b>SRI</b>      | Service Reminder Indicator                               |
| <b>SrPP</b>     | Self-reinforced PolyPropylene                            |
| <b>SRS</b>      | Supplemental Restraint System                            |

|              |  |
|--------------|--|
| <b>SRW</b>   | Single Rear Wheel                          |
| <b>SS</b>    | Shift Solenoid                             |
| <b>SS</b>    | Speed Signal                               |
| <b>SSM</b>   | Suspension Steering Module                 |
| <b>SSS</b>   | Speed Sensitive Steering                   |
| <b>SSV</b>   | Shift Solenoid Valve                       |
| <b>ST</b>    | Scan Tool                                  |
| <b>ST</b>    | Short Term (Fuel Trim)                     |
| <b>STAR</b>  | Self Test Automatic Readout (tester)       |
| <b>STAR</b>  | Stolen Auto Recovery System                |
| <b>STC</b>   | Snap To Connect                            |
| <b>STC</b>   | Step Timing Control                        |
| <b>stdby</b> | Standby                                    |
| <b>STI</b>   | Self Test Input                            |
| <b>STID</b>  | Station Identification                     |
| <b>STL</b>   | Service Transmission Lamp                  |
| <b>STO</b>   | Self Test Output                           |
| <b>STS</b>   | Service Technicians Society                |
| <b>SULEV</b> | Super Ultra Low Emission Vehicle           |
| <b>SUV</b>   | Sport Utility Vehicle                      |
| <b>SVO</b>   | Straight Vegetable Oil                     |
| <b>SVS</b>   | Service Vehicle Soon                       |
| <b>SVT</b>   | Special Vehicle Team                       |
| <b>sw</b>    | Switch                                     |
| <b>SWB</b>   | Short WheelBase (see SB)                   |
| <b>SWC</b>   | Steering Wheel Controls                    |
| <b>SWPS</b>  | Steering Wheel Position Sensor             |
| <b>SWS</b>   | SideWall tension Sensor                    |
| <b>SXR</b>   | Send and Receive                           |
| <b>syn</b>   | Synchronize                                |
| <b>sys</b>   | System                                     |
| <b>T</b>     |  |
| <b>TAB</b>   | Thermactor Air Bypass (replaced with AIRB) |
| <b>TAC</b>   | Throttle Actuator Control                  |
| <b>TACH</b>  | Tachometer                                 |
| <b>TACM</b>  | Throttle Actuator Control Module           |
| <b>TAD</b>   | Thermactor Air Divert (replaced with AIRD) |
| <b>TAP</b>   | Transmission Adaptive Pressure             |
| <b>TAS</b>   | Trap Alert System                          |
| <b>TB</b>    | Throttle Body                              |
| <b>TBC</b>   | Truck Body Controller (or Computer)        |
| <b>TBI</b>   | Throttle Body Fuel Injection               |
| <b>TC</b>    | Transmission Control                       |
| <b>TC</b>    | Turbocharger                               |
| <b>TCC</b>   | Torque Converter Clutch                    |
| <b>TCCS</b>  | Toyota Computer Controlled System          |
| <b>TCIL</b>  | Transmission Control Indicator Lamp        |
| <b>TCM</b>   | Transmission Control Module                |

|               |   |
|---------------|---|
| <b>TCS</b>    | Traction Control System                             |
| <b>TCS</b>    | Transmission Control Switch                         |
| <b>TDC</b>    | Top Dead Center                                     |
| <b>TDI</b>    | Toyota Direct Ignition                              |
| <b>TED</b>    | Thermo Electric Device                              |
| <b>tele</b>   | Telescope   |
| <b>TEMP</b>   | Temperature   |
| <b>TFI</b>    | Thick Film Integrated (replaced with DI)            |
| <b>TFP</b>    | Transmission Fluid Pressure                         |
| <b>TFT</b>    | Transmission Fluid Temperature                      |
| <b>TGS</b>    | Top Gear Switch                                     |
| <b>THEMIS</b> | Thermal Management Intelligent System               |
| <b>THM</b>    | Turbo Hydra-Matic                                   |
| <b>THS</b>    | Transmission Hydraulic Switch                       |
| <b>TID</b>    | Test Identification                                 |
| <b>TIIS</b>   | Thermal Imaging Inspection Station                  |
| <b>TIM</b>    | Tire Inflation Module                               |
| <b>TIM</b>    | Tire Inflation Monitor                              |
| <b>TIS</b>    | Techline Information System                         |
| <b>TOC</b>    | Transmission Oil Cooler                             |
| <b>TOP</b>    | <b>HOME</b>   |
| <b>torq</b>   | Torque  |
| <b>TOT</b>    | Transmission Oil Temperature                        |
| <b>TP</b>     | Throttle Position                                   |
| <b>TPA</b>    | Terminal Positive Assurance                         |
| <b>TPI</b>    | Tuned Port Injection                                |
| <b>TPM</b>    | Tire Pressure Monitor                               |
| <b>TPS</b>    | Throttle Position Sensor                            |
| <b>TR</b>     | Transmission Range                                  |
| <b>T-RAC</b>  | Trailer Rotating Air Chamber                        |
| <b>trans</b>  | Transmission/Transaxle                              |
| <b>TRDU</b>   | Trailer Remote Diagnostic Unit                      |
| <b>TRS</b>    | Transmission Range Sensor                           |
| <b>TSA</b>    | Thorax Side Airbag                                  |
| <b>TSB</b>    | Technical Service Bulletin                          |
| <b>TSI</b>    | Two Speed Idle                                      |
| <b>TSS</b>    | Transmission Speed Sensor                           |
| <b>TSS</b>    | Turbine Shaft Speed                                 |
| <b>TT</b>     | Telltale Lamp                                       |
| <b>TTM</b>    | Tilt and Telescope Module                           |
| <b>TTS</b>    | Transmission Temperature Switch (replaced with TOT) |
| <b>TV</b>     | Television  |
| <b>TV</b>     | Throttle Valve                                      |
| <b>TVAM</b>   | Television Antenna Module                           |
| <b>TVR</b>    | Turbine Vane Regulator                              |
| <b>TVRS</b>   | Television and Radio Suppression                    |
| <b>TVS</b>    | Thermal Vacuum Switch                               |
| <b>TVV</b>    | Thermal Vacuum Valve                                |

|               |   |
|---------------|---|
| <b>TWC</b>    | Three Way Catalyst                            |
| <b>TWC+OC</b> | Three Way Catalyst + Oxidation Catalyst       |
| <b>twtr</b>   | Tweeter                                       |
| <b>TXV</b>    | Thermal Expansion Valve                       |
| <b>U</b>      |   |
| <b>U/H</b>    | Underhood                                     |
| <b>U/HEC</b>  | Underhood Electrical Center                   |
| <b>UART</b>   | Universal Asynchronous Receiver-Transmitter   |
| <b>UASID</b>  | Units And Scaling Identification              |
| <b>UD</b>     | Underdrive                                    |
| <b>UDDS</b>   | Urban Dynamometer Driving Schedule            |
| <b>UIDI</b>   | Up-Integrated Direct Ignition                 |
| <b>ULEV</b>   | Ultra Low Emissions Vehicle                   |
| <b>ULSD</b>   | Ultra Low Sulphur Diesel                      |
| <b>UMTS</b>   | Universal Mobile Telecommunications System    |
| <b>unlk</b>   | Unlock  |
| <b>USCAR</b>  | United States Council for Automotive Research |
| <b>UTD</b>    | Universal Theft Deterrent                     |
| <b>UTQG</b>   | Uniform Tire Quality Grading                  |
| <b>V</b>      | Volts   |
| <b>V dif</b>  | Voltage Difference                            |
| <b>V2G</b>    | Vehicle to Grid                               |
| <b>VAC</b>    | Vacuum  |
| <b>VAC</b>    | Vehicle Access Code                           |
| <b>VACS</b>   | Vehicle Access Control System                 |
| <b>VAF</b>    | Vane Air Flow                                 |
| <b>VAF</b>    | Volume Air Flow                               |
| <b>VAPS</b>   | Variable Assist Power Steering                |
| <b>VAPS</b>   | Virtual Automotive Prototyping System         |
| <b>VASCO</b>  | Vehicle Application-Specific Computer         |
| <b>VAT</b>    | Vane Air Temperature (replaced with IAT)      |
| <b>VAT</b>    | Visual Authoring Tool                         |
| <b>VATS</b>   | Vehicle AntiTheft System                      |
| <b>VB</b>     | Valve body                                    |
| <b>VCC</b>    | Viscous Converter Clutch                      |
| <b>VCI</b>    | Vehicle Communication Interface               |
| <b>VCIM</b>   | Vehicle Communication Interface Mode          |
| <b>VCL</b>    | Vehicle Communication Link                    |
| <b>VCM</b>    | Variable Cylinder Management                  |
| <b>VCM</b>    | Vehicle Communication Module                  |
| <b>VCM</b>    | Vehicle Control Module                        |
| <b>VCRM</b>   | Variable Control Relay Module                 |
| <b>VCT</b>    | Variable Camshaft Timing                      |
| <b>VDCS</b>   | Vehicle Dynamics Control System               |
| <b>VDIS</b>   | Vehicle Diagnostic Information System         |
| <b>VDM</b>    | Vehicle Dynamics Module                       |
| <b>VDM</b>    | Vehicle Dynamics Monitor                      |
| <b>VDOT</b>   | Variable Displacement Orifice Tube            |

|               |   |
|---------------|---|
| <b>VDP</b>    | Vehicle Dynamics Processor                            |
| <b>VDR</b>    | Vehicle Data Recorder                                 |
| <b>VDR</b>    | Vehicle Dealer Recorder                               |
| <b>VDS</b>    | Valve Deactivation System                             |
| <b>VDV</b>    | Vacuum Delay Valve                                    |
| <b>VECI</b>   | Vehicle Emission Control Information                  |
| <b>VEDR</b>   | Vehicle Event Data Recorder                           |
| <b>veh</b>    | Vehicle   |
| <b>vel</b>    | Velocity  |
| <b>ver</b>    | Version   |
| <b>vert</b>   | Vertical  |
| <b>VES</b>    | Variable Effort Steering                              |
| <b>VF</b>     | Vacuum Fluorescent                                    |
| <b>VGT</b>    | Variable Geometry Turbocharger                        |
| <b>VIC</b>    | Virtual Image Cluster module                          |
| <b>VICS</b>   | Vehicle Information Communication System              |
| <b>VIIC</b>   | Vehicle Infrastructure Integration Consortium         |
| <b>VIN</b>    | Vehicle Identification Number                         |
| <b>VIP</b>    | Vehicle Intrusion Protection                          |
| <b>VIU</b>    | Vehicle Interface Unit                                |
| <b>VLCM</b>   | Variable Load Control Module                          |
| <b>VLR</b>    | Voltage Loop Reserve                                  |
| <b>vlv</b>    | Valve   |
| <b>VMM</b>    | Vehicle Measurement Module                            |
| <b>VMRS</b>   | Vehicle Maintenance Reporting System                  |
| <b>VMV</b>    | Vacuum Modulator Valve                                |
| <b>VMV</b>    | Vapour Management Valve                               |
| <b>VNT</b>    | Variable Nozzle Turbine                               |
| <b>VNT</b>    | Variable Nozzle Turbocharger                          |
| <b>VOTM</b>   | Vacuum Operated Throttle Modulator                    |
| <b>VPWR</b>   | Vehicle Power   |
| <b>VR</b>     | Vacuum Regulator                                      |
| <b>VREF</b>   | Voltage Reference                                     |
| <b>VRIS</b>   | Variable Resonance Induction System                   |
| <b>VRLA</b>   | Valve Regulated Lead Acid                             |
| <b>VRV</b>    | Vacuum Reducer Valve                                  |
| <b>VS</b>     | Variable Speed  |
| <b>VSC</b>    | Vehicle Stability Control                             |
| <b>VSES</b>   | Vehicle Stability Enhancement System                  |
| <b>vspd</b>   | Vehicle speed   |
| <b>VSS</b>    | Vehicle Speed Sensor                                  |
| <b>VSV</b>    | Vacuum Solenoid Valve                                 |
| <b>VTA</b>    | Vehicle Theft Alarm                                   |
| <b>VTD</b>    | Vehicle Theft Deterrent                               |
| <b>VTEC</b>   | Variable (valve) Timing (and lift) Electronic Control |
| <b>VTSS</b>   | Vehicle Theft Security System                         |
| <b>VVT-i</b>  | Variable Valve Timing with Intelligence               |
| <b>VVTL-i</b> | Variable Valve Timing and Lift with Intelligence      |

|                         |   |
|-------------------------|---|
| <b>w/</b>               | With  |
| <b>W/B</b>              | Wheelbase   |
| <b>w/o</b>              | Without   |
| <b>W/P</b>              | Water Pump  |
| <b>WAC</b>              | Wide Open Throttle A/C Cutoff   |
| <b>warn</b>             | Warning   |
| <b>WCF</b>              | Wireless Communication Framework  |
| <b>WDS</b>              | Workbay Diagnostic System   |
| <b>WDS</b>              | Worldwide Diagnostic System   |
| <b>WGC</b>              | Wastegate Control   |
| <b>WHL</b>              | Wheel   |
| <b>WIF</b>              | Water In Fuel (sensor)  |
| <b>WOT</b>              | Wide Open Throttle  |
| <b>WSM</b>              | WorkShop Manual   |
| <b>WSS</b>              | Wheel Speed Sensor  |
| <b>WU-OC</b>            | Warmup Catalyst with Oxidation Catalyst   |
| <b>WU-TWC</b>           | Warmup Catalyst with Three Way Catalyst   |
| <b>WVO</b>              | Waste Vegetable Oil   |
| <b>WVWS</b>             | Wireless Vehicle to Vehicle Warning System  |
| <b>X-valve</b>          | Expansion Valve   |
| <b>xVDS</b>             | Extended Vehicle Diagnostic System  |
| <b>Y yd</b>             | Yard  |
| <b>ZEV</b>              | Zero Emission Vehicle   |
|                         | Please note that in many of the references provided, the SAE naming methods are not followed. This may be due to manufacturers not following the SAE protocols when providing acronyms and abbreviations, or because they are common usage. Whenever possible, most automotive engineers and technical information writers and providers familiarize themselves with SAE specifications J831 and J1930 for electric/electronic terms, SAE J604 for engines, SAE J1145 for emissions, J830 for fuel injection, J139 for ignition, J387 for lighting and J1213/1 for networking/multiplexing. |
| <b>/MIN</b>             | Per minute, usually RPM, physical unit  |
| <b>°C</b>               | Degrees Celsius, physical unit  |
| <b>°DK</b>              | Degrees throttle-valve angle, physical unit   |
| <b>°F</b>               | Degrees Fahrenheit, physical unit   |
| <b>°KW</b>              | Degrees crankshaft, physical unit   |
| <b>°NW</b>              | Degrees camshaft, physical unit   |
| <b>1/CM<sup>3</sup></b> | 1/cm <sup>3</sup> , per cubic centimeter, unit  |
| <b>1L</b>               | Axle 1 (usually front axle), left side  |
| <b>1R</b>               | Axle 1 (usually front axle), right side   |
| <b>2L</b>               | Axle 2, left side   |
| <b>2R</b>               | Axle 2, right side  |
| <b>2WD</b>              | 2-wheel drive   |
| <b>3L</b>               | Axle 3, left side   |
| <b>3R</b>               | Axle 3, right side  |
| <b>4WAS</b>             | Four wheel anti skid, traction control system for four-wheel drive vehicles, refer also to ASR  |
| <b>4WD</b>              | 4-wheel drive   |



|              |  |
|--------------|--|
| <b>4WS</b>   | Four-wheel steering. All 4 wheels are steered, not just the front wheels.  |
| <b>4X4</b>   | Vehicle with 4 wheels, all of which are driven (all-wheel drive). See also 4WD.  |
| <b>A</b>     | Ampere, physical unit, or Austria  |
| <b>A/D</b>   | Analog/digital, usually A/D converter: converts analog signals (such as speed or oxygen sensor voltage) to digital signals that can be processed by a computer |
| <b>A1</b>    | Axle 1, usually front axle   |
| <b>A2/3</b>  | Axles 2/3, rear axle(s)  |
| <b>AA</b>    | Automatically triggered alarm  |
| <b>AAC</b>   | Auxiliary-air control valve  |
| <b>AAP</b>   | Acceleration auxiliary pump  |
| <b>AAS</b>   | Drive-off assistant  |
| <b>AAV</b>   | Activated charcoal filter shutoff valve  |
| <b>AB</b>    | Airbag, usually proper name  |
| <b>ABC</b>   | Active body control, chassis, see also ADS   |
| <b>ABD</b>   | Automatic braking differential, usually proper name  |
| <b>ABE</b>   | General operating licence, model approval of car for operation on public roads   |
| <b>ABS</b>   | Anti-Blocking System, usually proper name  |
| <b>ABS 2</b> | Anti-Blocking System separate, system name, proper name  |
| <b>ABS 3</b> | Anti-Blocking System integrated in brake booster, system name, proper name   |
| <b>ABV</b>   | Auxiliary-air valve or Automatic blocking prevention, another term for ABS   |
| <b>AC</b>    | Air conditioning, air conditioner, or Alternating current  |
| <b>ACC</b>   | Adaptive cruise control  |
| <b>ACD</b>   | Active centre differential, automatic limited-slip differential (Mitsubishi)   |
| <b>ACM</b>   | Airbag Control Module  |
| <b>ACT</b>   | Air charge temperature. Temperature of charge air with turbocharger.   |
| <b>ADA</b>   | Atmospheric-pressure dependent full-load stop with distributor injection pumps   |
| <b>ADAM</b>  | Advanced dynamic aid mechanism, mechanical braking assistant (Teves). See also BAS.  |
| <b>ADAPT</b> | Adaptation, adaption   |
| <b>ADB</b>   | Automatic differential brake. BMW system replacing conventional limited-slip differentials (ensures traction by braking wheels). Subfunction of DSC (BMW ESP). |
| <b>ADF</b>   | Atmospheric pressure sensor  |
| <b>ADN</b>   | Yemen  |
| <b>ADR</b>   | Automatic distance control, proper name (VW), or Trigger duration control  |
| <b>ADS</b>   | Automatic throttle-valve actuator or Active driving system or Adaptive damping system  |
| <b>AEI</b>   | Advance electronic ignition, fully electronic ignition system  |
| <b>AEU</b>   | Outside Europe   |
| <b>AFB</b>   | Atmospheric-pressure dependent start-of-delivery   |
| <b>AFI</b>   | Air-supported fuel injection   |
| <b>AFS</b>   | Advanced front-lighting system. Variable light distribution via movable  |

|             |  |
|-------------|--|
|             | reflectors   |
| <b>AG</b>   | Automatic transmission   |
| <b>AGN</b>  | Exhaust-gas aftertreatment   |
| <b>AGR</b>  | Exhaust-gas recirculation  |
| <b>AGRV</b> | Exhaust-gas recirculation valve  |
| <b>AHK</b>  | Trailer coupling, or Active rear-axle kinematics   |
| <b>AHM</b>  | Auxilliary Heater Module   |
| <b>AHS</b>  | Alcohol sensor   |
| <b>AHV</b>  | Trailer brake valve  |
| <b>AI</b>   | Air injection  |
| <b>AICC</b> | Autonomous intelligent cruise control (speed and distance)   |
| <b>AIV</b>  | Air injection valve  |
| <b>AK</b>   | Automatic clutch. Clutch operates when driving off, shifting, and stopping.  |
| <b>AKEK</b> | Automatic child-seat detection, usually integrated into an airbag system   |
| <b>AKF</b>  | Activated charcoal filter  |
| <b>AKS</b>  | Automatic clutch system. Clutch engagement/disengagement is automatic. The clutch pedal is no longer needed. Used for example in Renault Twingo; see also EKS, or Active headrest system (BMW) |
| <b>AKSE</b> | Automatic child-seat detection   |
| <b>AKT</b>  | Active, or Current   |
| <b>ALB</b>  | Automatic load-dependent braking force control   |
| <b>ALC</b>  | Adaptive light control. The headlight illumination is distributed variably according to the driving situation (city, country, motorway). (BMW)   |
| <b>ALDA</b> | Absolute measurement, boost-pressure dependent full-load stop  |
| <b>ALDL</b> | Assembly Line Diagnostic Link, Opel diagnostic plug  |
| <b>ALFB</b> | Atmospheric pressure and load-dependent start-of-delivery  |
| <b>ALG</b>  | Axle load sensor   |
| <b>ALR</b>  | Automatic longitudinal control   |
| <b>ALU</b>  | Arithmetic and logic unit (microcomputer), proper name   |
| <b>ALV</b>  | Axle load distribution (drive-off aid)   |
| <b>ALWR</b> | Automatic headlight vertical aim control   |
| <b>AM</b>   | Central America  |
| <b>AMIC</b> | Automotive Multimedia Interface Collaboration, Gremium zur Entwicklung eines Multimediastandards, besteht im wesentlichen aus führenden Automobilherstellern                                   |
| <b>AMR</b>  | Drive torque control   |
| <b>ANC</b>  | Active noise control. System actively influences the intake noise, reducing it by about 15 dB.   |
| <b>AND</b>  | Logical AND operator   |
| <b>AOS</b>  | Automatic Occupant Sensing   |
| <b>AP</b>   | Air pump   |
| <b>APB</b>  | Active parking brake. Teves system containing interface to electronics, with driver-assistance functions such as drive-off assistance, parking aid, and immobilizer.                           |
| <b>APS</b>  | Autopilot system   |
| <b>ARA</b>  | Anti-jerking control   |
| <b>ARD</b>  | Active jerking suppression   |
| <b>ARF</b>  | Exhaust-gas recirculation  |
| <b>ARFR</b> | Exhaust-gas recirculation rate   |

|                 |  |
|-----------------|--|
| <b>ARMADA</b>   | Triggering unit for restraint systems with external differentiated triggering. Airbag system from DaimlerChrysler. |
| <b>ARMIN</b>    | Trigger unit for restraint systems with integrated emergency-call control  |
| <b>ARR</b>      | Exhaust-gas recirculation control  |
| <b>ART</b>      | Distance-based cruise control  |
| <b>AS</b>       | Air intake or Towing protection or South America   |
| <b>ASC</b>      | Automatic stability control, controlled force transmission   |
| <b>ASC+T</b>    | Automatic stability control, regulated force transmission with traction control                                    |
| <b>ASD</b>      | Automatic limited-slip differential, usually proper name   |
| <b>ASF</b>      | Audi Space Frame, special construction for aluminium frame in Audi A2 and A8                                       |
| <b>ASG</b>      | Attachment control unit or Semi-automatic transmission   |
| <b>ASM</b>      | Asynchronous machine   |
| <b>ASM</b>      | Alarm Siren Module   |
| <b>ASMS</b>     | Automatic stability management system. See also ESP.   |
| <b>AS-NO</b>    | Exhaust-gas sensor for NO <sub>x</sub> (nitrogen oxide) content  |
| <b>ASP</b>      | Shutoff valve for ASR brake control  |
| <b>ASR</b>      | Transmission slip control, usually proper name   |
| <b>ASR 2</b>    | Transmission slip control, separate, system name, proper name  |
| <b>ASR 3</b>    | Transmission slip control, integrated, system name, proper name  |
| <b>AS-T</b>     | Exhaust-gas sensor for temperature   |
| <b>ASV</b>      | Air switching valve, air intake valve or Trailer control valve   |
| <b>AT</b>       | Automatic transmission   |
| <b>ATB</b>      | Exhaust-gas temperature limitation   |
| <b>ATF</b>      | Exhaust-gas temperature sensor or Automatic transmission fluid   |
| <b>ATG</b>      | Replacement transmission   |
| <b>ATL</b>      | Exhaust-gas turbocharger   |
| <b>ATWS</b>     | Anti-theft warning system (Opel)   |
| <b>AU</b>       | Exhaust-gas inspection   |
| <b>AUS</b>      | Australia  |
| <b>AUS</b>      | Ultrasonic Alarm System  |
| <b>AUT</b>      | Automatic transmission   |
| <b>AV</b>       | Outlet valve or Shutoff valve  |
| <b>AW</b>       | Drive shaft  |
| <b>AWG</b>      | Evaluation switching unit  |
| <b>AWK</b>      | Spare piston, used if proper piston does not function  |
| <b>AWN</b>      | ASA Workshop Network, proper name  |
| <b>AWR</b>      | Distance warning radar   |
| <b>AWS</b>      | Evaluation switching unit (Bosch KH)   |
| <b>AY</b>       | Lateral acceleration. A=acceleration, Y=lateral direction  |
| <b>AYC</b>      | Active yaw control. Rear-axle limited-slip differential (Mitsubishi). See also ACD.                                |
| <b>AZG</b>      | Adaptive cylinder equalisation. Quantity equalisation control.   |
| <b>B</b>        | Internal combustion engine (petrol) or Bank or Belgium   |
| <b>B-</b>       | Battery negative voltage   |
| <b>B.C.D.D.</b> | Vacuum controlled idle air correction  |
| <b>B.P.T.</b>   | Pressure control valve   |

|              |   |
|--------------|---|
| <b>B+</b>    | Battery positive voltage  |
| <b>BA</b>    | Acceleration sensor or Brake assistant (Mercedes Benz)  |
| <b>BAR</b>   | bar, physical unit  |
| <b>BAS</b>   | Brake assistant system  |
| <b>BBA</b>   | Service brake system. Enables the driver to reduce the speed of a vehicle in steps during operation (including to standstill). In addition to the service brake system, a vehicle can have a parking brake, a retarder system, or an auxiliary braking system. A service brake system can be a single- or multiple-circuit system and can work mechanically, hydraulically, or pneumatically. |
| <b>BBR</b>   | Wideband noise test, method for testing potentiometers  |
| <b>BBUS</b>  | Body Bus  |
| <b>BBV</b>   | Service-brake valve. Component of service brake system. See also BBA.   |
| <b>BC</b>    | Blink code  |
| <b>BCM</b>   | Body control module (Opel and GM)   |
| <b>BD</b>    | Bd: baud. Unit for data transmission rate. 1 baud is 1 bit/second.  |
| <b>BDE</b>   | Petrol direct injection   |
| <b>BDM</b>   | Petrol/diesel speed measurement module  |
| <b>BEA</b>   | Bosch Emissions Analysis, product name for exhaust-gas tester (Bosch)   |
| <b>BEV</b>   | Battery electric vehicle  |
| <b>BF</b>    | Passenger, or passenger-side  |
| <b>BFA</b>   | Passenger airbag. See also BF-AB.   |
| <b>BF-AB</b> | Passenger airbag  |
| <b>BFL</b>   | Brake fluid level   |
| <b>BFS</b>   | Passenger side  |
| <b>BG</b>    | Brake assembly, integrated ABS, or Bulgaria   |
| <b>BHKZ</b>  | Battery high voltage capacitor ignition   |
| <b>BIP</b>   | Start pulse   |
| <b>BKL</b>   | Brake indicator light   |
| <b>BKR</b>   | Braking force control   |
| <b>BKU</b>   | Braking force support   |
| <b>BKV</b>   | Power brakes  |
| <b>BLDC</b>  | Brushless direct current motor  |
| <b>BLS</b>   | Brake light switch  |
| <b>BLU</b>   | Brake light suppression. Activated when the brake assistant carries out a "preliminary charge". The main brake cylinder is actuated, leading to actuation of the light switch. Since the driver has not braked, switch-on of the brake light must be suppressed   |
| <b>BM</b>    | Reference mark  |
| <b>BMR</b>   | Braking torque control  |
| <b>BOU</b>   | Brake operating unit, controls and activates the brakes   |
| <b>BPA</b>   | Start of paraffin precipitation. Also called cloud point. Temperature at which paraffin crystals precipitate out of diesel fuel.  |
| <b>BPS</b>   | Brake test stand  |
| <b>BR</b>    | Brake control for ASR or Brazil   |
| <b>BRP</b>   | Wideband noise test, method for testing potentiometers  |
| <b>BS</b>    | Brake disc or Acceleration sensor   |
| <b>BSA</b>   | Brake system analysis, product name for brake test stand (Bosch)  |
| <b>BSU</b>   | Special brake inspection  |

|               |   |
|---------------|---|
| <b>BT</b>     | Brake drum  |
| <b>BTC</b>    | Bosch traffic controller, traffic monitoring system   |
| <b>BTS</b>    | Battery disconnect switch (Mercedes)  |
| <b>BV</b>     | Brake valve   |
| <b>BVA</b>    | Brake wear indicator  |
| <b>BVSV</b>   | Bimetallic-controlled vacuum switching valve or Bimetallic vacuum switching valve   |
| <b>BWN</b>    | Bosch Workshop Network, proper name   |
| <b>BZ</b>     | Brake cylinder  |
| <b>BZM</b>    | Reference mark  |
| <b>BZW</b>    | respectively, or, and/or  |
| <b>C</b>      | Capacitor, capacitance, or Chassis (OBD error codes, for example) or Cuba   |
| <b>C.R.</b>   | Compression ratio   |
| <b>C3/B7</b>  | C3/B7 signal (speed signal for trip recorder)   |
| <b>CAA</b>    | Clean Air Act (US exhaust-gas regulations)  |
| <b>CAL</b>    | California  |
| <b>CAN</b>    | Controller Area Network, mini-network for exchanging data between computers, proper name  |
| <b>CANDI</b>  | Can Diagnostic Interface  |
| <b>CAN-H</b>  | CAN High. One of the two data lines in the CAN bus system. See also CAN.  |
| <b>CAN-HI</b> | CAN High. One of the two data lines in the CAN bus system. See also CAN.  |
| <b>CAN-L</b>  | CAN Low. One of the two data lines in the CAN bus system. See also CAN.   |
| <b>CAN-LO</b> | CAN Low. One of the two data lines in the CAN bus system. See also CAN.   |
| <b>CARB</b>   | California Air Resources Board (US air-pollution authority), proper name  |
| <b>CARIN</b>  | Autopilot system, Mercedes  |
| <b>CAS</b>    | Computer aided service, proper name   |
| <b>CAS</b>    | Collision Avoidance   |
| <b>CAT</b>    | Catalytic converter   |
| <b>CB</b>     | Vacuum control of starting mixture  |
| <b>CBC</b>    | Cornering brake control   |
| <b>CC</b>     | Cruise control. See also ACC  |
| <b>CCM</b>    | really ccm or cm <sup>3</sup> , cubic centimeters, unit of volume   |
| <b>CCW</b>    | Counter clockwise, e.g. for indicating direction of rotation of engine  |
| <b>CD</b>     | Compact disc  |
| <b>CDCR</b>   | Compact Disc Changer Rear   |
| <b>CDI</b>    | Common Rail direct injection (in Mercedes and MCC)  |
| <b>CDL</b>    | Central door locking, central locking system limited to doors (Opel)  |
| <b>CDN</b>    | Canada  |
| <b>CELIS</b>  | Central lighting system (Hella)   |
| <b>CEM</b>    | Centralised Electronic Module (Volvo)   |
| <b>CFG</b>    | Configuration   |
| <b>CFI</b>    | Cylinder-individual injection system, proper name   |
| <b>CFPP</b>   | Cold filter plugging point (for diesels)  |
| <b>CGI</b>    | Stratified charge gasoline injection, petrol direct injection with stratified charge through throttle valve and with compressor charging (Mercedes) |
| <b>CH</b>     | Hydrocarbon (normally HC). In conjunction with exhaust-gas systems, HC  |

|               |   |
|---------------|---|
|               | is understood to be the portion of unburned fuel in the exhaust, or Switzerland (Confoederatio Helvetica)   |
| <b>CH4</b>    | Methane, main component of natural gas (90%), compressed as fuel for natural-gas-powered cars. See also CNG   |
| <b>CI</b>     | Ivory Coast   |
| <b>CID</b>    | Camshaft identification (position) sensor   |
| <b>CID</b>    | Colour Info Display   |
| <b>CIFI</b>   | Cylinder-individual fuel injection, usually proper name   |
| <b>CIM</b>    | Column Intergration Module  |
| <b>CIN</b>    | Calibration identification number. Part of OBD, consists of 3 letters and at most 12 digits. Can indicate hardware level, for example.                            |
| <b>CKP</b>    | Crankshaft positioning sensor   |
| <b>CMH</b>    | Mixture preheating  |
| <b>CMP</b>    | Camshaft positioning sensor   |
| <b>CNG</b>    | Compressed natural gas, fuel for vehicles with gas-powered engines  |
| <b>CNS</b>    | Combustion noise sensor, measures combustion noises (knock sensor)  |
| <b>CO</b>     | Carbon monoxide. Poisonous gas present in exhaust gas. Produced during combustion of carbon with insufficient oxygen, or Colombia                                 |
| <b>CO2</b>    | Carbon dioxide, non-poisonous gas produced during combustion, also known as greenhouse gas  |
| <b>COMAND</b> | Cockpit management and data systems. System for data exchange and driver information management.  |
| <b>CPS</b>    | Camshaft position/speed sensor / Crankshaft position sensor   |
| <b>CPU</b>    | Central processing unit (microprocessor)  |
| <b>CPV</b>    | Constant pressure valve   |
| <b>CPX</b>    | CPx: high-pressure pump of a Common Rail diesel system, such as CP2. It is used in commercial vehicles.   |
| <b>CR</b>     | Common Rail. See CRS.   |
| <b>CRC</b>    | Cyclic redundancy check. Method for generating a checksum, proper name  |
| <b>CRI</b>    | Common Rail injector. Injector of a Common Rail system, comparable to the injection valve of a conventional injection system.                                     |
| <b>CRIN</b>   | Car radio identification number   |
| <b>CRP</b>    | Common Rail pump. Special high-pressure pump for the Common Rail system, or Car phone (Opel)  |
| <b>CRS</b>    | Common Rail system. Special diesel direct-injection system in which the fuel is distributed to the injectors via a common line (Common Rail) under high pressure. |
| <b>CRT</b>    | Master computer or Continuous catalytic converter regeneration by burn off at 300°C with after-injection  |
| <b>CRW</b>    | Common Rail parameters (also CR-W)  |
| <b>CS</b>     | Crankshaft  |
| <b>CSCV</b>   | RPM control valve   |
| <b>CTG</b>    | CAN tester (Mercedes)   |
| <b>CTS</b>    | Cooling temperature sensor, Kühlmittel-Temperatursensor   |
| <b>CTX</b>    | Continuously variable transaxle   |
| <b>CV</b>     | Check valve, shutoff valve, throttling non-return valve   |
| <b>CVN</b>    | Calibration verification number. Part of OBD, contains the checksums for parameter settings, for example.   |
| <b>CVT</b>    | Continuously variable transmission  |

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| <b>CW</b>      | Drag coefficient, characteristic value for aerodynamics or drag, determines drag together with frontal area of vehicle or clockwise, e.g. for indicating direction of rotation of engine |
| <b>CZ</b>      | Czech Republic   |
| <b>D</b>       | Diesel engine or Decimal number or Drive (position of automatic-transmission selector lever) or Germany  |
| <b>D3</b>      | German exhaust-gas standard, parallel to European standard. Corresponds largely to EU3. See EU3 and EURO3.   |
| <b>D4</b>      | German exhaust-gas standard, parallel to European standard. Corresponds largely to EU4. See EU4 and EURO4.   |
| <b>DA</b>      | Boost pressure dependent full-load stop  |
| <b>DAB</b>     | Digital audio broadcasting   |
| <b>DBC</b>     | Dynamic brake control  |
| <b>DBE</b>     | Roof operating unit, control unit in Mercedes, usually proper name   |
| <b>DBG</b>     | Flow limiter   |
| <b>DBR</b>     | Retarder (sustained action brake) or Retarder relay  |
| <b>DBV</b>     | Pressure limiting valve  |
| <b>DC</b>      | Direct current or DaimlerChrysler  |
| <b>DCU</b>     | Diesel control unit or Dosing control unit. Unit for injection of urea (serves to reduce NOx).   |
| <b>DD</b>      | Fuel pressure limiter  |
| <b>DDA</b>     | Digital directional antenna, special antenna which blocks out radio wave reflection interference   |
| <b>DDE</b>     | Digital Diesel Electronics, system name, usually proper name, or Direct data exchange  |
| <b>DDM</b>     | Engine speed versus alternator residual ripple or driver door module (Opel)  |
| <b>DDM</b>     | Drivers Door Module  |
| <b>DDS</b>     | Diesel theft protection  |
| <b>DECT</b>    | Digital enhanced cordless telecommunications, standard for data transmission, usually proper name  |
| <b>DEE</b>     | Digital engine electronics   |
| <b>DF</b>      | RPM sensor, or Pressure sensor, or Direct-fire, distributorless coil ignition with double ignition coil  |
| <b>DFA</b>     | Speed sensor output  |
| <b>DFB</b>     | Flow limiter (Common Rail) or Dynamic start-of-delivery setting  |
| <b>DFC</b>     | Deceleration fuel control  |
| <b>DFHL</b>    | Speed sensor, left rear  |
| <b>DFHR</b>    | Speed sensor, right rear   |
| <b>DFM</b>     | Dynamo field monitor. Output for recording dynamo field  |
| <b>DFS</b>     | Double-spark coil, supplies two cylinders  |
| <b>DFVL</b>    | Speed sensor, left front   |
| <b>DFVR</b>    | Speed sensor, right front  |
| <b>DG</b>      | Speed sensor, or Speed sensor for transmission input speed   |
| <b>DGI</b>     | Direct gasoline injection  |
| <b>DHK</b>     | Nozzle holder combination  |
| <b>DI</b>      | Direct (diesel) injection, system name, usually proper name  |
| <b>DI/DIST</b> | Distributor type   |
| <b>DIA</b>     | Diagnosis  |
| <b>DIAGK</b>   | Diagnosis K line, communication line   |

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| <b>DIAGL</b>     | Diagnosis L line, signalling line   |
| <b>DIGI</b>      | Digiplex (Marelli)  |
| <b>DIGIJET</b>   | Digitally controlled fuel injection, system name, proper name                     |
| <b>DIGIPLEX</b>  | Fully electronic ignition system, system name, proper name                        |
| <b>DIGNITION</b> | Electronic ignition system, system name, proper name                              |
| <b>DIN</b>       | German Industrial Standard  |
| <b>DIO</b>       | Data input/output. Interface for exchanging data in both directions.              |
| <b>DIS</b>       | Direct ignition system, proper name   |
| <b>DISA</b>      | Differential intake manifold system (switchable, variable-length intake manifold) |
| <b>DK</b>        | Throttle valve or Denmark   |
| <b>DKA</b>       | Throttle valve actuator, Ecotronic  |
| <b>DKE</b>       | Throttle valve incrementation bit   |
| <b>DKG</b>       | Throttle valve sensor, detects current position of throttle                       |
| <b>DKI</b>       | Throttle valve actual value. Current throttle-valve voltage                       |
| <b>DKP</b>       | Throttle valve potentiometer  |
| <b>DKR</b>       | Throttle valve reduction or Throttle valve reduction bit                          |
| <b>DKS</b>       | Throttle valve switch   |
| <b>DKV</b>       | Throttle valve preset   |
| <b>DLB</b>       | Compressed-air brake  |
| <b>DLC</b>       | Data link connector. Diagnosis connection   |
| <b>DLI</b>       | Distributorless ignition  |
| <b>DLK</b>       | Dynamic steering correction   |
| <b>DLOC</b>      | Device location, Einbaulage einer Komponente                                      |
| <b>DLS</b>       | Digital idle stabilisation  |
| <b>DLWR</b>      | Dynamic headlight vertical aim control  |
| <b>DM</b>        | dm: decimeter DM: Diagnosis module  |
| <b>DM3/H</b>     | dm <sup>3</sup> /H: cubic decimeters per stroke, unit                             |
| <b>DME</b>       | Digital Motor Electronics (Motronic), system name, proper name                    |
| <b>DMM</b>       | Digital multimeter  |
| <b>DMS</b>       | Elongation measurement sensor   |
| <b>DMV</b>       | Diesel solenoid valve   |
| <b>DOHC</b>      | Double overhead camshaft, usually part of engine designation                      |
| <b>DP</b>        | Dashpot, or Throttle valve closing damper   |
| <b>DPF</b>       | Diesel particle filter  |
| <b>DPFE</b>      | Delta pressure feedback electronic system or Differential pressure feedback, EGR  |
| <b>DPHI</b>      | dphi, delta phi, difference angle. See also PHI.                                  |
| <b>DQ</b>        | dQ: delta quantity, difference quantity. See also Q.                              |
| <b>DR</b>        | Pressure regulator  |
| <b>DRM</b>       | Pressure regulator module   |
| <b>DRS</b>       | Rotation rate sensor, sensor for vehicle dynamics control                         |
| <b>DRV</b>       | Pressure regulator valve  |
| <b>DS</b>        | Pressure switch or Pressure sensor  |
| <b>DSA</b>       | Dynamic stability assistance  |
| <b>DSB</b>       | Pressure sensor in/for combustion chamber   |
| <b>DSC</b>       | Dynamic stability control   |
| <b>DSE</b>       | Thermal-expansion material element, expands or contracts when heated              |



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| <b>DSG</b>   | RPM target value sensor  |
| <b>DSM</b>   | Drivers Seat Module  |
| <b>DSP</b>   | Display, or Dynamic shift program (automatic transmission), or Digital sound package (VW audio equipment variant), or Digital sound processor, special processor for digital processing of audio signals |
| <b>DSS</b>   | Pressure-jump switch   |
| <b>DSTC</b>  | Dynamic stability and traction control   |
| <b>DSU</b>   | Pressure sensor for ambient pressure   |
| <b>DSV</b>   | Pressure control valve   |
| <b>DTC</b>   | Diagnostic trouble code  |
| <b>DTI</b>   | Diesel direct-injection with distributor pump (Opel)   |
| <b>DTR</b>   | Distronic. Distance control system (Mercedes)  |
| <b>DV</b>    | Pressure supply, or Throttle device  |
| <b>DVD</b>   | Digital versatile disc. Storage medium with significantly higher storage capacity than a conventional CD.  |
| <b>DVH</b>   | Pressure valve holder  |
| <b>DWA</b>   | Theft warning system, BMW-specific designation   |
| <b>DWS</b>   | Rotation angle sensor  |
| <b>DYN</b>   | Dynamic  |
| <b>DZ</b>    | Breakthrough ignition or Algeria   |
| <b>DZG</b>   | RPM sensor   |
| <b>DZV</b>   | Digital ignition, fully electronic   |
| <b>E</b>     | Electrical fan, or Fuel-injection engine, or Economy (shifting program for automatic transmissions), or Spain (Espana)   |
| <b>EA</b>    | Original equipment   |
| <b>EAG</b>   | Electronic automatic transmission  |
| <b>EAI</b>   | Electronic advanced ignition, electronic ignition-curve control, ELZ   |
| <b>EAK</b>   | Kenya  |
| <b>EAS</b>   | Electronically autonomous starting system or electronic actuation system, usually trade name or electronic air suspension (VAG)  |
| <b>EAV</b>   | Element shutoff valve. Shuts off an individual element of the high-pressure pump in the Common Rail system.  |
| <b>EBC</b>   | Electronic brake force control (see EBD and EBV)   |
| <b>EBCV</b>  | Electrical auxiliary air control valve   |
| <b>EBD</b>   | Electronic braking differential or Electronic brake force distribution (see also EBC and EBV)  |
| <b>EBM</b>   | Electronic brake management system. Optimises driving stability, traction, and braking function (BMW)  |
| <b>EBS</b>   | Electronic braking system  |
| <b>EBV</b>   | Electronic brake force distribution (see also EBD and EBC)   |
| <b>EC</b>    | Ecuador  |
| <b>ECABS</b> | Electronic air cushioning, combined with ABS   |
| <b>ECC</b>   | Electronic climate control, electronically controlled air conditioner (Opel)   |
| <b>ECD</b>   | Electronically controlled deceleration   |
| <b>ECE</b>   | Economic Commission of Europe, proper name   |
| <b>ECI</b>   | Electronically Controlled Injection, system name, usually proper name  |
| <b>ECM</b>   | Electronic Control Module, system name, usually proper name  |
| <b>ECO</b>   | Ecotronic, system name, usually proper name  |
| <b>ECON</b>  | ECON: Electronic carburetor, n=version, usually proper name  |

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| <b>ECONZ</b>  | ECOnZ: Electronic carburetor and electronic ignition, n=version number, usually proper name  |
| <b>ECT</b>    | Engine coolant temperature, or temperature sensor  |
| <b>ECU</b>    | Electronic control unit, proper name   |
| <b>EDC</b>    | Electronic diesel control, usually proper name   |
| <b>EDG</b>    | Electronic diesel control with integrated transmission control. MCC control unit, proper name.   |
| <b>EDIS</b>   | Electronic documentation and information system (Bosch)  |
| <b>EDIS 4</b> | EEC IV with distributorless ignition system (Ford)   |
| <b>EDR</b>    | Electronic diesel control NFZ-DB   |
| <b>EDS</b>    | Electronic differential lock, usually proper name  |
| <b>EDW</b>    | Electronic anti-theft warning system or Electronic pressure transducer   |
| <b>EEC</b>    | Fully electronic engine control or Electronic ignition timing, proper name   |
| <b>EEC IV</b> | Electronic engine control system IV (Ford), system name, proper name   |
| <b>EECS</b>   | Fuel vapour emission control system  |
| <b>EEM</b>    | Electrical energy management. Higher-order system that coordinates the interaction of the generator, battery, voltage converter, drive train, and loads. See also EES and VSC.                       |
| <b>EEPROM</b> | Electrically erasable programmable read-only memory, proper name   |
| <b>EES</b>    | Electrically unlocked starting quantity, or Electrical energy systems (onboard network of the future (42V generator for electromagnetic valves, for example, 14V DCDC converter for rest of network) |
| <b>EFI</b>    | Electronic fuel injection, usually proper name   |
| <b>EFP</b>    | Electronic accelerator pedal, proper name  |
| <b>EFS</b>    | Single-spark coil, supplying one cylinder  |
| <b>EGAS</b>   | Electronic accelerator pedal, proper name (electronic throttle control, ETC)   |
| <b>EGD</b>    | Electronically regulated shock absorption  |
| <b>EGE</b>    | Electronic air dryer unit  |
| <b>EGN</b>    | EGn: EGAS control unit, n=version, usually proper name   |
| <b>EGO</b>    | Exhaust Gas Oxygen Sensor, unbeheizte Lambdasonde  |
| <b>EGR</b>    | Exhaust gas recirculation  |
| <b>EGS</b>    | Electronic transmission control  |
| <b>EHA</b>    | Electronic automatic heater, usually proper name   |
| <b>EHAB</b>   | Electrohydraulic shutoff   |
| <b>EHB</b>    | Electrohydraulic brake   |
| <b>EHCM</b>   | Electrohydraulic control module  |
| <b>EHPS</b>   | Electrohydraulic power steering  |
| <b>EHR</b>    | Electrohydraulic lifting control   |
| <b>EHS</b>    | Electrohydraulic control module  |
| <b>EHU</b>    | Entertainment Head Unit  |
| <b>EHSW</b>   | Electrohydraulic positioner  |
| <b>EI</b>     | Electronic ignition  |
| <b>EKE</b>    | Electronic fuel injection, proper name   |
| <b>EKM</b>    | Electronic clutch management   |
| <b>EKP</b>    | Electric fuel pump   |
| <b>EKRG</b>   | Simple short-circuit ring sensor   |
| <b>EKS</b>    | Electronic clutch system. Clutch engagement and disengagement is automatic. The clutch pedal is no longer needed. See also AKS.  |

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| <b>ELAB</b>     | Electrical idle shutoff valve   |
| <b>ELB</b>      | Electronically controlled brake   |
| <b>ELD</b>      | Electrical load-peak damping  |
| <b>ELF</b>      | Electronic air cushioning   |
| <b>ELFI</b>     | Electronic vehicle identification. Component of VW ELSA service information system.   |
| <b>ELR</b>      | Electrical ignition system with ignition curve adjustment or Electronic idle control  |
| <b>ELRA</b>     | Electronic automatic restraint. Automatic seat belts (VW)   |
| <b>ELS</b>      | Electronic idle stabilisation   |
| <b>ELSA</b>     | Electronic service information system. VW system for authorised workshops (garages). Comprises the components ELFI, ELWIS, and ETKA.  |
| <b>ELV</b>      | Electrical air valve, or Electronic steering or steering-column lock. See also ESL.   |
| <b>EL-V</b>     | Electronically controlled carburetor  |
| <b>ELWIS</b>    | Electronic shop information system. Component of the VW ELSA service information system.  |
| <b>ELZ</b>      | Electronic ignition   |
| <b>EMAB</b>     | Shutoff by electromotor   |
| <b>EMB</b>      | Electromechanical brake   |
| <b>EMC</b>      | Electromagnetic compatibility (see also EMV)  |
| <b>EMF</b>      | Electromechanical parking brake.  |
| <b>EMI</b>      | Injection volume indicator  |
| <b>EML</b>      | Electronic engine performance control, proper name  |
| <b>EMR</b>      | Electronic volume reduction   |
| <b>EMS</b>      | Electronic engine control, proper name  |
| <b>EMSE</b>     | Electromagnetic start enable  |
| <b>EMV</b>      | Electromagnetic compatibility (EMC)   |
| <b>ENG</b>      | Engine type (code letters), or Engine   |
| <b>ENG FAIL</b> | Engine failures, diagnosis line for outputting errors   |
| <b>ENR</b>      | Electronic level control  |
| <b>EOBD</b>     | European on-board diagnosis, internal vehicle diagnosis with external tester conforming to European guidelines. Serves primarily to record exhaust-gas related faults. Usually trade name |
| <b>EOL</b>      | End of line, usually in conjunction with end-of-line programming  |
| <b>EP</b>       | Adjustment point  |
| <b>EPA</b>      | Environmental Protection Agency, air purity monitoring organisation   |
| <b>EPAS</b>     | Electric power-assisted steering  |
| <b>EPB</b>      | Electropneumatic brake  |
| <b>EPB</b>      | Electronic Park Brake   |
| <b>EPC</b>      | Electronic power control or Electronic pedal control (such as with ME-Motronic systems without mechanical throttle cable)   |
| <b>EPI</b>      | Exhaust Port Injection, Nacheinspritzung in Auslasskanal (Toyota)   |
| <b>EPK</b>      | Electropneumatic kit  |
| <b>EPROM</b>    | Erasable programmable read-only memory, programmable or erasable with UV light, proper name   |
| <b>EPS</b>      | Extended park position, or Injection pump test bench, sometimes used as a product identification (such as EPS 944)  |

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| <b>EPSV</b>    | Electrical injection adjustment  |
| <b>EPT</b>     | Electronic pressure transmission   |
| <b>EPW</b>     | Electro-pneumatic transducer, serves to transform electrical signals into pneumatic signals such as in boost-pressure regulation   |
| <b>ER</b>      | Energy reserve   |
| <b>ERE</b>     | Electronic inline injection system (special engine control) or Electrical regulator  |
| <b>ERW</b>     | Energy reserve with voltage converter  |
| <b>ERWIN</b>   | Electronic repair and workshop information. VW electronic service information system for independent workshops (garages) and fleet operators. Information offering is restricted compared to ELSA.             |
| <b>ES</b>      | Electronic control unit or El Salvador   |
| <b>ESA</b>     | Emissions system analysis, product name for exhaust-gas tester (Bosch) or Electronic spark advance   |
| <b>ESA/IZA</b> | Map ignition, ignition coil in distributor   |
| <b>ESC</b>     | Escape key on PC or Map ignition or Electronic spark control, electronic ignition control up to knock region, with knock sensor  |
| <b>ESG</b>     | Single-pane safety glass or Electronic switching unit for trailer detection (used in brake systems)  |
| <b>ESGN</b>    | ESGn: Special equipment, e.g., NWS, ETS, KGE, n=version no.  |
| <b>ESL</b>     | Electronic steering lock. See also ELV.  |
| <b>ESP</b>     | Electronic stability program, another designation for vehicle-dynamics control (FDR), usually proper name  |
| <b>ESPV</b>    | Electrical injection adjustment  |
| <b>ESR</b>     | Electronic slip reduction, another name for ASR, or Electrical sunroof, electrically operated sunroof (or lifting roof)  |
| <b>ESS</b>     | Electronic suspension systems. Continental Teves electronic air cushioning system. The system adapts automatically to vehicle load conditions, has continuously variable damping, and works together with ESP. |
| <b>ESSD</b>    | Electrical steel sunroof   |
| <b>EST</b>     | Electronic spark timing, electronic map ignition control. See also MSTs  |
| <b>ESV</b>     | Feed valve or Injection valve  |
| <b>ET</b>      | Egypt  |
| <b>ETC</b>     | Electronic throttle control, usually proper name or Electronic traction control  |
| <b>ETKA</b>    | Electronic parts catalogue. Component of the VW ELSA service information system.   |
| <b>ETM</b>     | Electronic transmission management, usually proper name  |
| <b>ETS</b>     | Electronic thermostat control, usually proper name or Electronic traction system, see ETC  |
| <b>ETV</b>     | Electronic throttle valve  |
| <b>EU</b>      | European Union   |
| <b>EU3</b>     | European exhaust-gas standard, valid from 2000 (levels: HC 0.2, CO 2.3, NOx 0.15)  |
| <b>EU4</b>     | European exhaust-gas standard, valid from 2005 (levels: HC 0.1, CO 1.0, NOx 0.08)  |
| <b>EUI</b>     | Electronic unit injector, injection nozzle of pump-nozzle system (diesel injection)  |
| <b>EUP</b>     | Electronic unit pump, diesel pump of pump line nozzle system (diesel   |

|              |   |
|--------------|---|
|              | injection)  |
| <b>EURO3</b> | European exhaust-gas standard, valid from 2000 (levels: HC 0.2, CO 2.3, NOx 0.15)   |
| <b>EURO4</b> | European exhaust-gas standard, valid from 2005 (levels: HC 0.1, CO 1.0, NOx 0.08)   |
| <b>EUV</b>   | Electro-reversing valve   |
| <b>EV</b>    | Injection valve or Inlet valve of pressure control valve or Inlet valve of ABS system   |
| <b>EV1</b>   | Injection valve for high pressure   |
| <b>EV2</b>   | Injection valve for low pressure  |
| <b>EVA</b>   | Electrical full-load stop or Emergency valve assistance, safety valve   |
| <b>EVAP</b>  | Fuel vapor emission control   |
| <b>EVE</b>   | Electronic distributor injection system (special engine control)  |
| <b>EVR</b>   | Electronic vacuum regulator   |
| <b>EWD</b>   | Single-coil actuator, servomotor with one winding   |
| <b>EWL</b>   | External warning lamp   |
| <b>EWM</b>   | Electronic selector-lever module. Control unit in Mercedes, usually proper name   |
| <b>EWMA</b>  | Exponential weighted moving average, misfire detection during last 10 driving cycles  |
| <b>EWS</b>   | Electronic immobilizer  |
| <b>EX</b>    | Exhaust (or outlet, exhaust-gas recirc. valve, exhaust manifold)  |
| <b>EZ</b>    | Electronic ignition, usually proper name  |
| <b>EZE</b>   | Electronic central control unit, usually proper name  |
| <b>EZF</b>   | Electronic ignition system, map-controlled  |
| <b>EZF-H</b> | Electronic ignition system with map, trigger by Hall sensor   |
| <b>EZF-I</b> | Electronic ignition system with map, trigger by inductive sensor  |
| <b>EZK</b>   | Electronic ignition with knock control  |
| <b>EZ-K</b>  | Electronic ignition timing with knock controls, proper name   |
| <b>EZL</b>   | Electronic ignition system with characteristic curves   |
| <b>EZL-H</b> | Electronic ignition with characteristic curves, trigger by Hall sensor  |
| <b>EZS</b>   | Electronic ignition switch  |
| <b>EZV</b>   | Electronic ignition timing  |
| <b>F</b>     | France  |
| <b>F/P</b>   | Fuel pump   |
| <b>FA</b>    | Front axle  |
| <b>FAB</b>   | Failcode Airbag. Output line for error codes for airbag system (Mazda)  |
| <b>FAC</b>   | Failcode Air Conditioning. Output line for error codes for air conditioner (Mazda)  |
| <b>FAP</b>   | Accelerator pedal or Vehicle analysis protocol. Log maintained by tester during diagnosis. Can be printed and given to vehicle owner as evidence of repairs performed.. |
| <b>FAS</b>   | Driver-assistance system  |
| <b>FAT</b>   | Failcode Automatic Transmission. Output line for error codes for transmission control (Mazda)   |
| <b>FB</b>    | Fast burn, rapid spread of flame front or Start-of-delivery, key parameter in diesel injection systems or Remote control  |
| <b>FBA</b>   | Parking-brake system (usually hand brake)   |
| <b>FBB</b>   | Start-of-delivery blocking  |

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| <b>FBG</b>     | Start-of-delivery sensor   |
| <b>FBKW</b>    | Crankshaft angle at start-of-delivery  |
| <b>FBN</b>     | Start of delivery, normal  |
| <b>FBR</b>     | Start-of-delivery control  |
| <b>FBS</b>     | Driving enabling system (Mercedes), or Failcode Brake System. Output line for error codes for ABS system (Mazda)                                       |
| <b>FBV</b>     | Parking brake valve  |
| <b>FC</b>      | Fault (error) code   |
| <b>FCKW</b>    | Chlorofluorocarbon (CFC). Gaseous chemical compound that destroys the ozone layer. Contained in old refrigerants (R12) for air conditioners.           |
| <b>FCV</b>     | Fuel cell vehicle. Vehicle with fuel-cell drive, up to now only a Ford prototype.  |
| <b>FD</b>      | Date of manufacture  |
| <b>FDI</b>     | Fuel direct injection, gasoline direct injection, refer also to GDI  |
| <b>FDR</b>     | Trip computer or Vehicle dynamics control  |
| <b>FDS</b>     | Ford diagnostic system   |
| <b>FE</b>      | Delivery units, parameter for determining delivered fuel amount  |
| <b>FEC</b>     | Front Electrical Centre  |
| <b>FEN</b>     | Failcode Engine. Output line for error codes for engine control unit (Mazda)   |
| <b>FES</b>     | Spark energy control   |
| <b>FFG</b>     | Accelerator pedal  |
| <b>FFR</b>     | Vehicle master computer. Diagnostic gateway in vehicle, installed in combined instruments or central electrical system. Also contains the immobilizer. |
| <b>FGB/AGB</b> | Speed limiter / automatic speed limiter, usually proper name   |
| <b>FGB/GBA</b> | Speed limiter / speed limiting system, usually proper name   |
| <b>FGG</b>     | Speed sensor   |
| <b>FGR</b>     | Speed control, usually proper name   |
| <b>FH</b>      | Power window   |
| <b>FHE</b>     | Road and obstacle detection  |
| <b>FHM</b>     | Power window motor   |
| <b>FI</b>      | Filter   |
| <b>FICD</b>    | Fast-idle control device   |
| <b>FIN</b>     | Finland  |
| <b>FIS</b>     | Vehicle information system. Product designation (such as FIS 215)  |
| <b>FJI</b>     | Fiji Islands   |
| <b>FKT</b>     | Function   |
| <b>FKTSCH</b>  | Function switch  |
| <b>FLA</b>     | Vehicle performance analysis, product name for performance test stand (Bosch), or Spring-loaded idle stop  |
| <b>FM</b>      | Vehicle management   |
| <b>FMN</b>     | Delivery volume normal   |
| <b>FMVSS</b>   | Federal motor vehicle safety standard  |
| <b>FN</b>      | Vehicle level  |
| <b>FP</b>      | Accelerator pedal or Delivery pump   |
| <b>FPK</b>     | Freely programmable combined instruments   |
| <b>FPM</b>     | Accelerator pedal module   |
| <b>FPR</b>     | Fuel pump relay  |

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| <b>FR</b>    | FR signal: provides engine or engine/transmission control unit with information about generator load.   |
| <b>FRS</b>   | Freewheel pulley  |
| <b>FS</b>    | Driving-mode switch or Driver side  |
| <b>FSA</b>   | Vehicle system analysis, product name for engine tester (Bosch)   |
| <b>FSD</b>   | Folding sunroof   |
| <b>FSG</b>   | Chassis control unit or Fill-level sensor   |
| <b>FSK</b>   | Frequency shift keying  |
| <b>FSR</b>   | Driving stability control   |
| <b>FSS</b>   | Delivery signal sensor, or Flexible service system  |
| <b>FTCO</b>  | Flat tachograph (new, flat design), Mercedes  |
| <b>FV</b>    | Filling valve   |
| <b>FWA</b>   | Chassis analysis. Sometimes also used as product designation (such as FWA 400)  |
| <b>FWI</b>   | Vehicle-travel pulse number   |
| <b>FZ</b>    | Vehicle   |
| <b>FZG</b>   | Vehicle   |
| <b>FZK</b>   | Vane compressor   |
| <b>FZR</b>   | Vehicle controller, ESP system component  |
| <b>G</b>     | g: Acceleration of gravity, or gram, physical unit G: G-signal : crankshaft signal for TDC, 4 signals for the control unit per distributor rotation |
| <b>G/SEC</b> | g/sec: grams per second, unit   |
| <b>G/ZYL</b> | g/Zyl: grams per cylinder, unit for mass per cylinder   |
| <b>GA</b>    | Basic adaptation or Guarantee   |
| <b>GATES</b> | Global automotive telematic standard  |
| <b>GB</b>    | Yawing moment restriction or Great Britain  |
| <b>GBA</b>   | Seat belt positioner drive  |
| <b>GBR</b>   | Seat belt positioner  |
| <b>GDB</b>   | Regulated differential brake  |
| <b>GDI</b>   | Gasoline direct injection, designation for petrol direct injection systems or vehicle models with this system. Usually proper name.                 |
| <b>GDL</b>   | Gas pressure lamp (Audi)  |
| <b>GDV</b>   | Constant pressure valve   |
| <b>GEN</b>   | Generator   |
| <b>GER</b>   | Germany   |
| <b>GGF</b>   | ggf.: possibly, if necessary  |
| <b>GGS</b>   | Transmission group switch   |
| <b>GHD</b>   | Housing cover   |
| <b>GID</b>   | Graphic information display (Opel)  |
| <b>GK</b>    | Glow plug   |
| <b>GM</b>    | Basic module, or Gear motor, or General Motors, proper name (name of vehicle manufacturer)  |
| <b>GMA</b>   | Yawing moment buildup delay   |
| <b>GMR</b>   | Mixture regulator   |
| <b>GND</b>   | Ground  |
| <b>GOL</b>   | Persian Gulf states   |
| <b>GPS</b>   | Global Positioning System, satellite system for locating a vehicle  |
| <b>GR</b>    | gr: large Gr: Group GR: Gas retention, or Greece  |

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| <b>GRA</b>    | Speed control system. Alternative term for cruise control.  |
| <b>GRV</b>    | Constant-volume valve   |
| <b>GS</b>     | Independent electronic transmission control, usually proper name, or Belt tensioner   |
| <b>GS 1.2</b> | Electronic transmission control, Version 1.2, system name, proper name  |
| <b>GSG</b>    | Speed sensor  |
| <b>GSH</b>    | Gas sensor hydrocarbon, hydrocarbon sensor  |
| <b>GSK</b>    | Sheathed element glow plug  |
| <b>GSM</b>    | Global system for mobile communication  |
| <b>GSR</b>    | Belt tensioner, usually proper name   |
| <b>GSS</b>    | Transmission shift lock or Seatbelt buckle switch   |
| <b>GST</b>    | Stepped start volume  |
| <b>GSY</b>    | Speed symbol. Specification on tyres for allowable speed, alphabetic. See also Speed Index  |
| <b>GUS</b>    | Belt tensioner or Commonwealth of Independent States (CIS)  |
| <b>GW</b>     | Gateway. PC or computer that connects and controls data exchange between two networks.  |
| <b>GWK</b>    | Transmission converter clutch   |
| <b>GZS</b>    | Glow duration control unit  |
| <b>H</b>      | h: hours H: hexadecimal number, or stroke, or Hungary   |
| <b>HA</b>     | Hydraulic stop or Rear axle or Hydraulic modulator for ABS  |
| <b>HAC</b>    | Height compensation   |
| <b>HAI</b>    | Hot-air inlet   |
| <b>HAS</b>    | Hand brake switch   |
| <b>HAU</b>    | Automatic heating   |
| <b>HBA</b>    | Hydraulic brake assistant or Hydraulically operated equalisation or Auxiliary brake system  |
| <b>HBZ</b>    | Master brake cylinder   |
| <b>HC</b>     | High compression or Version with high compression ratio or Hydrocarbon  |
| <b>HD</b>     | Heating wire or Lifting roof  |
| <b>HDC</b>    | Hill descent control. Special system that maintains speed downhill. Works using brake intervention at about 5 mph (8 km/h) (BMW and Rover offroad vehicles) |
| <b>HDEV</b>   | High-pressure injection valve   |
| <b>HDF</b>    | Remote boot-lid release   |
| <b>HDI</b>    | High-pressure direct injection  |
| <b>HDK</b>    | Half-differential short-circuit ring travel sensor  |
| <b>HDP</b>    | High-pressure pump  |
| <b>HDS</b>    | Urea metering system, used with diesel vehicles to prevent or reduce soot emissions   |
| <b>HE</b>     | Main injection  |
| <b>HEGO</b>   | Heated exhaust-gas oxygen sensor  |
| <b>HEI</b>    | High performance ignition system, transistorized ignition, contactless ignition   |
| <b>HEV</b>    | High-pressure injection valve   |
| <b>HF</b>     | High frequency  |
| <b>HFG</b>    | Hand-operated gas delivery, for example in special vehicles for handicapped drivers   |
| <b>HFM</b>    | Hot-film air-mass sensor or Special engine control in which load detection  |



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|              | takes place via a hot-film air-mass sensor  |
| <b>HH</b>    | HH division, 4/4 division of brake circuit: circuits 1 and 2 brake all wheels.  |
| <b>HHC</b>   | Hill Holder Control, ESP system component   |
| <b>HHT</b>   | Hand-held tester (such as KTS500 or PMS100)   |
| <b>HIC</b>   | Hot idle compensation   |
| <b>HID</b>   | Hill descent (sensor). Sensor that registers downgrades or vehicle rolling. See HDC.  |
| <b>HK</b>    | Height correction or Hong Kong  |
| <b>HKD</b>   | High-voltage trigger diode, special diode installed in ignition coils   |
| <b>HKZ</b>   | High-voltage capacitor ignition   |
| <b>HL</b>    | Left rear   |
| <b>HLM</b>   | Hot-wire air-mass sensor  |
| <b>HO2S</b>  | Heated oxygen (O2) sensor   |
| <b>HP</b>    | Hydraulic pump  |
| <b>HPA</b>   | hPa: hectopascal, physical unit   |
| <b>HPDI</b>  | High pressure direct injection  |
| <b>HPI</b>   | High-pressure injection. Direct-injection petrol engine used in Citroen and Peugeot. Comparable with GDI.                   |
| <b>HR</b>    | Hybrid control, or Right rear, or Croatia   |
| <b>HRA</b>   | Rear window washing system  |
| <b>HSCAN</b> | High-speed controller area network. CAN bus with high transmission rate (Opel). See also CAN, LSCAN, and MSCAN.             |
| <b>HSPV</b>  | Hydraulic injection timing device   |
| <b>HSV</b>   | High-voltage distribution or Hydraulic start lock   |
| <b>HT</b>    | HT division. 4/2 division of brake circuits: circuit 1 brakes all wheels, circuit 2 the front wheels                        |
| <b>HU</b>    | Major inspection  |
| <b>HW</b>    | Hardware  |
| <b>HYAB</b>  | Hydraulic shutoff device  |
| <b>HZ</b>    | HZ: Master brake cylinder Hz: hertz, physical unit  |
| <b>HZR</b>   | Heating control. Simple type of air conditioner.  |
| <b>I</b>     | Italy   |
| <b>I1</b>    | Incremental system with one sensor  |
| <b>I2</b>    | Incremental system with two sensors   |
| <b>IAC</b>   | Idle air control, i.e. idle speed control, for injection engines  |
| <b>IAM</b>   | Independent after-market. Service or spare-parts dealers independent of vehicle manufacturer.                               |
| <b>IC</b>    | Integrated circuit  |
| <b>ICC</b>   | Intelligent cruise control, Nissan distance control system; see also ACC.   |
| <b>ICE</b>   | Ignition control electronics, electronic ignition system  |
| <b>ICM</b>   | Ignition control module, or Integrated chassis management, BMW vehicle-dynamics control with trend-setting technology       |
| <b>ICM</b>   | Infotainment Module   |
| <b>ID</b>    | Identifier, bei CAN-Bus-Systemen eine Art Address-Byte, das angibt, für wen ein Datenblock bestimmt ist oder Identifikation |
| <b>IDI</b>   | Indirect (diesel) injection   |
| <b>IDIS</b>  | Integrated driver information system, similar to navigation system  |
| <b>IDS</b>   | Interactive dynamic driving system  |

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| <b>IFS</b>      | Inertia fuel shutoff. Safety fuel shutoff, or Independent front-wheel suspension  |
| <b>IFZ</b>      | Infrared central locking  |
| <b>IG</b>       | Pulse or increment transmitter, or Ignition   |
| <b>IHE</b>      | Integrated hydroelectronics unit. Control electronics, hydraulic generator, and electric motor in Citroen Hydraktiv chassis.                                      |
| <b>IHKA</b>     | Integrated heating and air conditioning system (BMW)  |
| <b>IHR</b>      | Heating control, usually proper name  |
| <b>IIA</b>      | Integrated ignition system  |
| <b>IL</b>       | Israel  |
| <b>ILV</b>      | Integrated quiet-running system   |
| <b>IMA</b>      | Integrated engine assistant (special Honda engine control), or Injector quantity analysis   |
| <b>IMM</b>      | Immobilizer   |
| <b>IMMO</b>     | Immobilizer   |
| <b>IMP</b>      | Pulse(s)  |
| <b>IN</b>       | Inlet (intake) manifold or valve  |
| <b>INA</b>      | Information display for ASR systems   |
| <b>IND</b>      | India   |
| <b>INFOANZ</b>  | Information display for ASR systems   |
| <b>INJ</b>      | Injector. Injection jet or valve in Common Rail diesel system   |
| <b>INT</b>      | Integrator  |
| <b>INZ</b>      | Central injection   |
| <b>IPBEC</b>    | Instrument Panel Body Electrical Centre   |
| <b>IPS</b>      | Intelligent Protection System, integrated two-stage airbag system with retractable pedals, head/shoulder airbags, and active headrests. Used in Ford Mondeo.      |
| <b>IR</b>       | Individual control with commercial-vehicle ABS systems, or Infrared, or Iran  |
| <b>IRF</b>      | Interior filter   |
| <b>IRM</b>      | Individual control, modified, with commercial-vehicle ABS systems   |
| <b>IRQ</b>      | Iraq  |
| <b>IRS</b>      | Interior protection   |
| <b>IS</b>       | Iceland   |
| <b>ISA</b>      | Idle speed correction or Intelligent speed adaptation: Use of a GPS system and traffic-sign database to automatically regulate speed (system still in test phase) |
| <b>ISC</b>      | Idle speed control or Idle compensation   |
| <b>ISDN</b>     | Integrated Services Digital Network: digital telephone and data network with integrated services  |
| <b>ISF</b>      | Vehicle information system  |
| <b>ISIS</b>     | Intelligent safety system. System with multiple airbags, pyrotechnically triggered headrests, seat-belt tensioners and intelligent electronics (BMW)              |
| <b>ISO</b>      | International Organisation for Standardisation  |
| <b>ISO-EGO</b>  | Isolated Exhaust Gas Oxygen Sensor, isolierte unbeheizte Lambdasonde (mit Massekabel)   |
| <b>ISO-HEGO</b> | Isolated Heated Exhaust Gas Oxygen Sensor, isolierte beheizte Lambdasonde (mit Massekabel)  |
| <b>ISS</b>      | Joint venture (Bosch, Michelin) for developing integrated vehicle dynamics  |

|                    |  |
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|                    | systems  |
| <b>ISU</b>         | Intelligent switching unit (Siemens)   |
| <b>ITGS</b>        | Intelligent traffic guidance system (Mercedes)   |
| <b>IVLAN</b>       | In Vehicle Local Area Network  |
| <b>IWG</b>         | Inductive travel sensor  |
| <b>IWZ</b>         | Incremental angle/time sensor, rotation-angle sensor   |
| <b>IZA</b>         | Integrated ignition system   |
| <b>IZV</b>         | Infrared central locking   |
| <b>J</b>           | Japan  |
| <b>JA</b>          | Jamaica  |
| <b>JET</b>         | Jet, Jetronic: injection system, usually proper name   |
| <b>JOB</b>         | Japanese OBD, OBD standard for Japan   |
| <b>JTS</b>         | Jet thrust stoichiometric. Direct-injection petrol engine (Alfa)                                     |
| <b>JW</b>          | Company car(s)   |
| <b>K</b>           | k: small K: channel K-line: bidirectional line between control unit and tester                       |
| <b>KA</b>          | Knee airbag  |
| <b>KAM</b>         | Keep-alive memory  |
| <b>KAT</b>         | Catalytic converter  |
| <b>KB</b>          | Wire harness   |
| <b>KBA</b>         | Federal Motor Vehicle Office (Germany)   |
| <b>KBZ</b>         | Combination brake cylinder   |
| <b>K-CAN</b>       | Body CAN bus. Low-speed CAN bus for comfort-system and body electronics. See also PT-CAN and SI-BUS. |
| <b>KD</b>          | Kickdown or Customer service   |
| <b>KDS</b>         | Kickdown switch  |
| <b>KE</b>          | Continuous injection, usually proper name  |
| <b>KE-MOTRONIC</b> | Continuous electronic injection system, usually proper name  |
| <b>KEN</b>         | KE n: Jetronic, continuous, with electronic extended-function unit, n=version, usually proper name   |
| <b>KF</b>          | Fuel filter  |
| <b>KFB</b>         | Fuel filter, petrol or Comfort zone  |
| <b>KFMG</b>        | Continuous delivery-volume meter   |
| <b>KFZ</b>         | Motor vehicle  |
| <b>KG</b>          | kg: kilogram, physical unit, or Keyless Go (access to vehicle and engine start without key)          |
| <b>KG/H</b>        | kg/h: kilograms per hour, unit   |
| <b>KGE</b>         | Crankcase ventilation  |
| <b>KIW</b>         | Combined instruments with service-interval indicator. See also SIA.                                  |
| <b>K-JETRONIC</b>  | Continuous injection system, usually proper name   |
| <b>KL</b>          | KL or KI: Terminal   |
| <b>KLA</b>         | Automatic climate control  |
| <b>KM</b>          | km: kilometer, physical unit KM: small engine  |
| <b>KMA</b>         | Continuous volume analysis, product name (Bosch)   |
| <b>KMM</b>         | Continuous volume meter, checks fuel delivery  |
| <b>KMMG</b>        | Continuous volume meter, closed  |
| <b>KMV</b>         | Refrigerant compressor   |
| <b>KOM</b>         | Commercial bus and rental vehicles   |

|                 |  |
|-----------------|--|
| <b>KOMP</b>     | Component  |
| <b>KPA</b>      | kPa: kilopascal, physical unit   |
| <b>KPN</b>      | Kpn: Motronic (load detection occurs via intake manifold pressure, n= Motronic version, usually proper name) |
| <b>KR</b>       | Anti-knock control   |
| <b>KRF</b>      | Kraftstoffrückführventil (Diesel)  |
| <b>KRS</b>      | Anti-knock control interface or Fuel return valve  |
| <b>K-RWG</b>    | Short-circuit ring sensor  |
| <b>KS</b>       | Fuel reservoir, or Knock sensor  |
| <b>KSA</b>      | Kingdom of Saudi Arabia  |
| <b>KSB</b>      | Cold-start accelerator, with distributor injection pumps   |
| <b>KSE</b>      | Child-seat detector  |
| <b>KSH</b>      | Cold-start aid   |
| <b>KSP</b>      | Fuel reservoir   |
| <b>KSS</b>      | Cold-start control   |
| <b>KSV</b>      | Cold-start valve   |
| <b>KSZ</b>      | Fuel distributor or distribution   |
| <b>KTF</b>      | Fuel temperature sensor, or Coolant temperature sensor   |
| <b>KU</b>       | Clutch   |
| <b>KU/GN</b>    | Clutch/transmission neutral position   |
| <b>KUKO</b>     | Coupling head  |
| <b>KVA</b>      | Fuel consumption gauge   |
| <b>KVD</b>      | Fuel evaporation   |
| <b>KVR</b>      | Fuel distributor tube  |
| <b>KVRS</b>     | Evaporative emission-control regeneration system, also referred to as tank ventilation system                |
| <b>KVRV</b>     | Fuel evaporation regeneration valve, tank ventilation valve  |
| <b>KVS</b>      | Fuel distributor piece   |
| <b>KW</b>       | kW: kilowatt, physical unit KW: crankshaft or crankshaft angle or shortwave (radio)                          |
| <b>KWH</b>      | kWh: kilowatt-hours, physical unit   |
| <b>KWP 2000</b> | Keyword Protocol 2000, log for transmitting diagnostic data  |
| <b>KWS</b>      | Comfort immobilizer  |
| <b>KWT</b>      | Kuwait   |
| <b>KX</b>       | Kx: Jetronic, continuous, with oxygen sensor control, usually proper name                                    |
| <b>KZS</b>      | Capacitor intermediate storage   |
| <b>L</b>        | l: liter, physical unit, or left L: left L-line: unidirectional line between control unit and tester         |
| <b>L/H</b>      | l/h: Liters per hour, unit   |
| <b>L/KM</b>     | l/km: liters per kilometer, unit   |
| <b>LAM</b>      | Idle emissions measurement   |
| <b>LAV</b>      | Luxury activity vehicles (vehicle classification, such as Lexus RX 300)                                      |
| <b>LC</b>       | Low compression, or Version with low compression ratio   |
| <b>LCD</b>      | Liquid crystal display, usually proper name  |
| <b>LDA</b>      | Boost-pressure-dependent full-load stop, with distributor injection pumps                                    |
| <b>LDF</b>      | Boost-pressure sensor  |
| <b>LDR</b>      | Boost-pressure control, or Idle speed control  |
| <b>LE2-JET</b>  | Petrol injection, LE-Jetronic, 2nd generation, usually proper name   |

|                    |   |
|--------------------|---|
| <b>LED</b>         | Light-emitting diode, usually proper name   |
| <b>LEN</b>         | LEn: Jetronic, intermittent, covers European functionality, n=version, usually proper name  |
| <b>LER</b>         | Idle limit-speed control  |
| <b>LEV</b>         | Low-emissions vehicle. Designation for vehicles with low emissions level. See also NLEV, SULEV, TLEV, ULEV, and ZEV.                    |
| <b>LFB</b>         | Load-dependent start-of-delivery, with distributor injection pumps  |
| <b>LFR</b>         | Idle compensation   |
| <b>LFT</b>         | Air temperature sensor, or Long (term) fuel trim (to counteract aging symptoms). See also LTFT.   |
| <b>LHA</b>         | Air-side automatic heater   |
| <b>LHD</b>         | Left-hand drive   |
| <b>LH-JETRONIC</b> | Same as L-Jetronic with hot-wire air-mass sensor, usually proper name   |
| <b>LHN</b>         | LHn: Jetronic with hot-wire air-mass sensor, intermittent, n=version, usually proper name   |
| <b>LI</b>          | (also li:) Left, or Load index, number indicating tyre load capacity  |
| <b>LIA</b>         | Lift axle   |
| <b>LIM</b>         | Sedan   |
| <b>L-JETRONIC</b>  | Electronically controlled injection system (with direct air-mass measurement), usually proper name                                      |
| <b>LKE</b>         | Load piston unit  |
| <b>LL</b>          | Idle, engine operating state or Left-hand drive or LL division, triangular division of brake circuits: 2 circuits in front, one in rear |
| <b>LLDRAN</b>      | Idle speed increase   |
| <b>LLK</b>         | Charge-air cooling  |
| <b>LLR</b>         | Idle control (diesel systems)   |
| <b>LLRA</b>        | LLRa: Idle control with adaptive pilot control  |
| <b>LLS</b>         | Idle actuator, or Idle switch   |
| <b>LL-STAB</b>     | Idle stabilization  |
| <b>LM</b>          | Air-flow sensor (also LMM)  |
| <b>LMF</b>         | Light-alloy rims  |
| <b>LMM</b>         | Air-mass sensor, or Air-flow sensor   |
| <b>LMS</b>         | Air-mass sensor   |
| <b>LN</b>          | Ln: Jetronic with air-flow sensor, intermittent, n=version, usually proper name   |
| <b>LOS</b>         | Emergency program (EEC IV)  |
| <b>LP</b>          | Perforated plate  |
| <b>LPG</b>         | Liquefied petroleum gas, fuel for vehicles with gas-powered engines   |
| <b>LPS</b>         | Circuit board circuit   |
| <b>LPT</b>         | Printer port or interface on PC   |
| <b>LR</b>          | Oxygen sensor control   |
| <b>LRA</b>         | LRA: oxygen sensor control with adaptive pilot control  |
| <b>LRD</b>         | Load response drive, alternative multifunction control  |
| <b>LRR</b>         | Smooth-running control, or Long-range radar (component of ACC system with detection range up to 120 m)                                  |
| <b>LRS</b>         | Load response start, alternative multifunction control  |
| <b>LS</b>          | Release switch or Oxygen sensor   |
| <b>LSCAN</b>       | Low-speed controller area network. CAN bus with low transmission rate (Opel). See also CAN, MSCAN, and HSCAN.                           |

|              |   |
|--------------|---|
| <b>LSD</b>   | Limited-slip differential   |
| <b>LSF</b>   | Oxygen sensor, planar (flat sensor)   |
| <b>LSH</b>   | Oxygen sensor, heated   |
| <b>LSM</b>   | Oxygen sensor for lean operation  |
| <b>LSP</b>   | Longitudinal lock shutoff   |
| <b>LSU</b>   | Wideband oxygen sensor, planar type   |
| <b>LSZ</b>   | Light-switching centre  |
| <b>LT</b>    | Model designation for VW Transporter, proper name   |
| <b>LTCC</b>  | Low temperature cofired ceramic, multilayer ceramic technology  |
| <b>LTF</b>   | Air-temperature sensor  |
| <b>LTFT</b>  | Long-term fuel trim (to counteract aging symptoms). See also LFT.   |
| <b>LTG</b>   | Line  |
| <b>LTR</b>   | Liter, physical unit, often also ltr, L   |
| <b>LUN</b>   | LUn: Jetronic, intermittent, with USA functionality, n=version, usually proper name   |
| <b>LWL</b>   | Optical fiber   |
| <b>LWR</b>   | Headlight vertical aim control  |
| <b>LWS</b>   | Steering wheel angle sensor. Component of ESP system, determines steering-wheel rotation  |
| <b>M</b>     | M: Motronic, usually proper name, or Mechanical or Mechanical fan or Centre m: Centre or Manual                                       |
| <b>M/S2</b>  | m/s <sup>2</sup> : meters per second per second, physical unit for acceleration   |
| <b>M3/H</b>  | m <sup>3</sup> /h: cubic meters per hour, unit  |
| <b>MA</b>    | mA: milliampere, physical unit MA: Mono-Motronic, petrol injection system, usually proper name  |
| <b>MAEL</b>  | MaEl: earth (ground) electrode (spark plug)   |
| <b>MAF</b>   | Mass airflow sensor   |
| <b>MAL</b>   | Malaysia  |
| <b>MAP</b>   | Manifold absolute pressure or Intake manifold pressure sensor   |
| <b>MAR</b>   | Quantity compensation control   |
| <b>MAS</b>   | Control unit for engine assembly  |
| <b>MAT</b>   | Manifold absolute temperature   |
| <b>MAX</b>   | Maximum   |
| <b>MBAR</b>  | mbar: millibar, physical unit   |
| <b>MBS</b>   | Engine-brake switch   |
| <b>MBZ</b>   | Diaphragm brake cylinder  |
| <b>MC</b>    | Microcomputer or Medium compression   |
| <b>MCC</b>   | Micro Compact Car. DaimlerChrysler subsidiary that manufactures the Smart vehicle.  |
| <b>MDA</b>   | Engine speed increase   |
| <b>MDF</b>   | Mass of wheel-speed sensor, usually with an indication of the particular sensor (left front, right front, etc.)                       |
| <b>MDR</b>   | Membrane pressure control   |
| <b>ME</b>    | Motronic with electronic gas pedal, usually proper name, or Control unit for volume regulation in diesel systems, usually proper name |
| <b>MEA</b>   | Middle East   |
| <b>MEAB</b>  | Mechanical shutoff device (diesel EDC). In newer systems, the shutoff is electrical (see ELAB).                                       |
| <b>MECH.</b> | Mechanical  |

|                  |  |
|------------------|--|
| <b>MED</b>       | Motronic with ETC and petrol direct injection  |
| <b>MEG</b>       | Motronic with ETC and transmission control   |
| <b>MEINS</b>     | Meins: Injection volume (in mg/stroke or mg/s)                                       |
| <b>MEN</b>       | Monitor engine (output line for engine diagnostic data)                              |
| <b>MEP</b>       | Mean effective pressure  |
| <b>MES</b>       | Mechanically enabled start volume  |
| <b>MEX</b>       | Mexico   |
| <b>MF</b>        | Measurement window   |
| <b>MFA</b>       | Measurement window, start or Multifunction display                                   |
| <b>MFD</b>       | Multifunction display  |
| <b>MFE</b>       | Measurement window, end  |
| <b>MFI</b>       | Multipoint fuel injection (electronic)   |
| <b>MFI-C</b>     | Continuous multipoint fuel injection (electronic)                                    |
| <b>MFI-I</b>     | Intermittent multipoint fuel injection (electronic)                                  |
| <b>MFI-S</b>     | Sequential multipoint fuel injection (electronic)                                    |
| <b>MFL</b>       | Multifunction steering wheel   |
| <b>MFR</b>       | Multifunction control  |
| <b>MFS</b>       | Multifunction sensor   |
| <b>MFU</b>       | Multifunction clock  |
| <b>MG</b>        | Manual transmission  |
| <b>MG/H</b>      | mg/H: milligrams per stroke, unit  |
| <b>MG/ZYK</b>    | mg/Zykl: milligrams per cycle, unit  |
| <b>MGND</b>      | Engine ground (earth)  |
| <b>MHDI</b>      | Mechanical high-voltage distribution ignition  |
| <b>M-HEAT</b>    | Mirror Heating, Spiegelheizung (Opel)  |
| <b>MI</b>        | mi: Miles, physical unit MI: Malfunction indicator or Main injection (see also HE)   |
| <b>MIC</b>       | Microplex (Marelli)  |
| <b>MICROPLEX</b> | Fully electronic ignition system with knock control                                  |
| <b>MID</b>       | Multifunction information display  |
| <b>MIEL</b>      | MiEI: Middle electrode (spark plug)  |
| <b>MIL</b>       | Malfunction indicator lamp   |
| <b>MIN</b>       | Minimum  |
| <b>MIU</b>       | Main Instrument Unit   |
| <b>MJ</b>        | Mono-Jetronic, usually proper name or Model year                                     |
| <b>M-JET</b>     | Mono-Jetronic, usually proper name   |
| <b>MK</b>        | Motronic with continuous fuel metering, usually proper name                          |
| <b>MKV</b>       | Multiplicative map adjustment, or Fuel ratio mixture                                 |
| <b>ML</b>        | Motronic with flap air-volume sensor, usually proper name                            |
| <b>MLA</b>       | Multiple link antitheft system (system-wide theft protection)                        |
| <b>MLD</b>       | Mechanical load-peak damping   |
| <b>MLN</b>       | MLn: Motronic based on air-flow sensor, n=version, usually proper name. See also LM. |
| <b>MM</b>        | mm: millimeter, physical unit  |
| <b>MM3/H</b>     | mm <sup>3</sup> /H: cubic millimeters per stroke, unit                               |
| <b>MMI</b>       | Engine torque, actual value or Man-machine interface (Porsche designation)           |
| <b>MMM</b>       | Multipath map matching (navigation system)   |

|                |   |
|----------------|---|
| <b>MMS</b>     | Engine torque, nominal value  |
| <b>MMV</b>     | Quantity solenoid valve   |
| <b>MN</b>      | Mn: Motronic, universal load detection (HLM, LM), n=version, usually proper name  |
| <b>MNEFZ</b>   | Modified new European driving cycle (exhaust-gas test cycle). See also NEFZ.  |
| <b>MODIC</b>   | Mobile diagnosis computer (BMW diagnostic tester)   |
| <b>MOLIS</b>   | Modular lights system. LEDs in modular system for rear lights, for example (BMW)  |
| <b>MOST</b>    | Media oriented system transport. Usually in conjunction with a bus system (MOST bus), via which various control units in the vehicle communicate with each other.   |
| <b>MOT</b>     | Engine tester, product name (Bosch) or Engine test  |
| <b>MOT/DME</b> | Digital Motor Electronics (Motronic)  |
| <b>MOZ</b>     | Engine octane number. Expresses the knock resistance of petrol fuel (US variant of ROZ).  |
| <b>MP</b>      | Motronic with intake manifold sensor, usually proper name   |
| <b>MPa</b>     | MPa: megapascal, physical unit  |
| <b>MPFI</b>    | Multi-point fuel injection, electronic, usually proper name   |
| <b>MPH</b>     | mph: Miles per hour, physical unit  |
| <b>MPI</b>     | Multi-point injection, fully electronic engine control, usually proper name   |
| <b>MPN</b>     | MPn: Motronic in which load detection is via intake manifold pressure, n=version, usually proper name   |
| <b>MPV</b>     | Multi-purpose vehicles (Mazda). Comprises the group of vans and small panel trucks.   |
| <b>MR</b>      | Engine relay or Engine control for ASR  |
| <b>MR-DF</b>   | Speed sensor with magnetoresistive measurement  |
| <b>MRS</b>     | Multi-restraint system. Temic or BMW system consisting of belt tensioner, belt force limiting, airbags, and safety battery terminal (see SBK).  |
| <b>MS</b>      | ms: millisecond, physical unit MS: Engine control or Diesel systems with electronic volume- and start-of-injection control  |
| <b>MSA</b>     | Designation for diesel injection systems having an electronic volume control, start-of-injection control, and exhaust-gas recirculation. Systems without exhaust-gas recirculation are designated simply as MS.         |
| <b>MSCAN</b>   | Medium-speed controller area network. CAN bus with medium transmission rate (Opel). See also CAN, LSCAN, and HSCAN.   |
| <b>MSG</b>     | Engine control unit   |
| <b>MSR</b>     | Engine drag torque control, usually proper name   |
| <b>MST</b>     | Measurement and control unit  |
| <b>MSTS</b>    | Microprocessor spark timing system, electronic ignition with map control (ELZ), or Multi spark timing system, function as for EST. MSTS, however, is not an integrated part but rather a separate ignition control unit |
| <b>MT</b>      | Manual transmission or Mechanical transmission or Volume divider  |
| <b>MTCO</b>    | Tachograph  |
| <b>MTM</b>     | Engine measurement technology module  |
| <b>MUD</b>     | mUD: With vacuum  |
| <b>MUX</b>     | Multiplexer or multiplex signal   |
| <b>MUXPORT</b> | Multiplexer-Port, Schnittstelle am PC, an die der Multiplexer   |



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|----------------|--|
|                | angeschlossen ist oder angeschlossen werden kann   |
| <b>MV</b>      | mV: millivolt, physical unit MV: Solenoid valve  |
| <b>MVEG</b>    | Motor vehicle emission group, exhaust-gas classification for passenger cars  |
| <b>MVL</b>     | Lift axle valve with electronic air-cushioning system  |
| <b>MVLDR</b>   | Solenoid valve for boost pressure control  |
| <b>MVN</b>     | Level valve with electronic air-cushioning system  |
| <b>MVS</b>     | Solenoid valve control unit  |
| <b>MW</b>      | AM (radio), or Measurement   |
| <b>MY</b>      | Model year   |
| <b>MZ</b>      | Magneto ignition   |
| <b>MZV</b>     | Microprocessor-controlled ignition adjustment  |
| <b>N</b>       | n: RPM, or normal N: Selector-lever position (Neutral) for automatic transmissions, or Norway  |
| <b>NA</b>      | Auxiliary drive or Netherlands Antilles  |
| <b>NAS</b>     | Auxiliary drive switch   |
| <b>NAV</b>     | Navigation or Navigation system  |
| <b>NB</b>      | Commercial-vehicle brake   |
| <b>NBE</b>     | Proximity detector   |
| <b>NBF</b>     | Needle lift sensor (diesel)  |
| <b>NBS</b>     | Needle lift sensor (diesel)  |
| <b>NCAP</b>    | New Car Assessment Program, better known as EURO-NCAP, association for conducting more demanding crash tests (with participation of vehicle manufacturers) |
| <b>NDS</b>     | Neutral drive switch, activated when automatic transmission selector lever is in neutral position  |
| <b>NE</b>      | NE: After-injection Ne-Signal: Engine RPM signal, 24 AC signals sent to control unit per distributor rotation  |
| <b>NEDC</b>    | New European driving cycle (procedure for fuel consumption measurement). See also NEFZ   |
| <b>NEFZ</b>    | New European driving cycle (procedure for fuel consumption measurement). See also NEDC   |
| <b>NF</b>      | Low frequency, or audio frequency  |
| <b>NFZ</b>     | Commercial vehicle (lorry, truck)  |
| <b>NHG</b>     | Needle-displacement sensor (diesel systems)  |
| <b>NHU</b>     | Navigation head unit. Opel navigation control unit.  |
| <b>NIC</b>     | Nicaragua  |
| <b>NKW</b>     | Lorry (truck)  |
| <b>NKW-ABS</b> | Anti-blocking system for lorries (trucks) with air brakes  |
| <b>NL</b>      | Netherlands  |
| <b>NLEV</b>    | National low-emission vehicles. US approval level for vehicles that must fulfil the current requirements. See also LEV, SULEV, TLEV, ULEV, and ZEV.        |
| <b>NLK</b>     | Follow-on piston   |
| <b>NLS</b>     | Needle lift sensor (diesel)  |
| <b>NM</b>      | Nm: Newton-meter, physical unit  |
| <b>NM/S</b>    | Nm/s: newton-meters per second, unit   |
| <b>NMOT</b>    | Nmot: Engine RPM   |
| <b>NOE</b>     | Nitrogen oxide emission  |

|                 |   |
|-----------------|---|
| <b>NOX</b>      | NOx: Nitrogen oxides  |
| <b>NPB</b>      | Delivery volume normal test stand (special tester for injection pumps)  |
| <b>NR</b>       | Number, or Level control, or Natural rubber (often processed for use in truck tyres).   |
| <b>NRZ</b>      | NRZ format: Non-return-to-zero, transmission or pulse form for square-wave pulses and signals   |
| <b>NS</b>       | Fog light(s)  |
| <b>NSW</b>      | Fog lights  |
| <b>NTC</b>      | Negative temperature coefficient, thermal resistor with negative temperature coefficient, so-called hot conductor   |
| <b>NTC II</b>   | Idle speed increase   |
| <b>NTC1</b>     | Intake air temperature (in °C)  |
| <b>NTC2</b>     | Engine water temperature (in °C)  |
| <b>NVF</b>      | Navigation and traffic control  |
| <b>NW</b>       | Camshaft  |
| <b>NWS</b>      | Camshaft timing   |
| <b>NZ</b>       | New Zealand   |
| <b>O2</b>       | Oxygen  |
| <b>OAI</b>      | Octane adjust input   |
| <b>OBD</b>      | On-board diagnostics or off-board diagnostics, vehicle-internal diagnosis with internal or external test unit, usually proper name  |
| <b>OBF</b>      | Upper control panel. Above or on the dashboard, some vehicles have switches or buttons, such as for the rear-window defogger. These elements together comprise a control panel, which is referred to as the upper control panel to distinguish it from another control panel near the gearshift lever or below the radio. |
| <b>OBM</b>      | On-board measurement  |
| <b>OC</b>       | Oxidation catalytic converter   |
| <b>ODFT</b>     | Sensor for oil pressure and temperature   |
| <b>ODS</b>      | Automatic overdrive control   |
| <b>OEDS</b>     | Oil pressure switch   |
| <b>OEF</b>      | Location of missing vehicles (via GPS)  |
| <b>OEM</b>      | Original equipment manufacturer   |
| <b>OES</b>      | Original equipment service. Service or spare parts via the vehicle manufacturer.  |
| <b>OFFSET-V</b> | Voltage offset  |
| <b>OG</b>       | Upper limit or Upper tolerance limit  |
| <b>OHC</b>      | Overhead camshaft. Camshaft situated above the cylinder head. Often used in engine designations.  |
| <b>OHV</b>      | Overhead valves (the camshaft is therefore underneath)  |
| <b>OMM</b>      | Surface micromechanics  |
| <b>OOP</b>      | Out-of-position detection   |
| <b>OP</b>       | Oil pump  |
| <b>OPC</b>      | Opel Performance Centre. Centre for automotive sports (Opel).   |
| <b>OR</b>       | Logical OR operation  |
| <b>OSRVM</b>    | Outside rear-view mirror (Opel)   |
| <b>OT</b>       | Top dead centre   |
| <b>OTA</b>      | Oxygen/titanium emissions sensor. Titanium oxide sensor. See also OZA.  |
| <b>OTF</b>      | Oil temperature sensor  |

|               |   |
|---------------|---|
| <b>oUD</b>    | oUD: Without vacuum   |
| <b>OUT</b>    | Designation on diesel pump for excess-flow restriction screw  |
| <b>OZ</b>     | Octane rating. See also ROZ.  |
| <b>OZA</b>    | Oxygen/zirconium emissions sensor. Zirconium oxide sensor. See also OTA.  |
| <b>P</b>      | Pressure, or Power train (used with OBD error codes, for example), or Portugal  |
| <b>PA</b>     | Pa: pascal, physical unit of pressure. See also HPA, KPA, and MPA. PA: Parking assistant  |
| <b>PAG</b>    | Polyethylene glycol oil, low-temperature oil  |
| <b>PAM</b>    | Parking assistant module (Opel)   |
| <b>PANS</b>   | Pans: Intake air pressure (in hPa)  |
| <b>PAS</b>    | Peripheral airbag sensor (side airbag)  |
| <b>PASE</b>   | Passive start and entry. Keyless access to car and engine start (Siemens system). Also called Keyless Go (Mercedes, for example)  |
| <b>PATA</b>   | Passive button. Button in vehicle with which a function can be set to the passive (off) state   |
| <b>PATS</b>   | Passive antitheft system  |
| <b>PB</b>     | Pb: chemical symbol for lead (Latin: plumbum)   |
| <b>PBM</b>    | Pulse width modulated, signal processing method (prior to sending), usually proper name   |
| <b>PBSL</b>   | Park brake shift lock. Selector lever lock for automatic transmission (Opel)  |
| <b>PC</b>     | Power control or Personal computer  |
| <b>PCM</b>    | Power train control module or Porsche Communication Management, central multimedia control unit for various functions   |
| <b>PCU</b>    | Pump control unit (diesel systems), or Power control unit, hybrid-drive control (Honda)   |
| <b>PCV</b>    | Positive crankcase ventilation, closed crankshaft ventilation   |
| <b>PD</b>     | Pump-nozzle   |
| <b>PDAS</b>   | Dynamic 4-wheel control, usually proper name  |
| <b>PDC</b>    | Park distance control. Parking aid, often proper name, or Pre-drive check (testing of EHB systems)  |
| <b>PDE</b>    | Pump-nozzle unit (new designation is UIS)   |
| <b>PDM</b>    | Passenger door module (Opel)  |
| <b>PDOE</b>   | Nozzle opening pressure   |
| <b>PEHKS</b>  | Pedestrian protection hood kinematics system. Ford mechanical system that raises the hood (bonnet) in the case of an impact (such as hitting a pedestrian). See also POBSY. |
| <b>PES</b>    | Polyellipsoid system (headlight technique)  |
| <b>PES-SW</b> | Polyellipsoid headlight(s)  |
| <b>PFA</b>    | Particle filter system  |
| <b>PFI</b>    | Port fuel injection, inlet-channel injection  |
| <b>P-FP</b>   | p-FP: Delivery pump pressure.   |
| <b>PG</b>     | Phase sensor  |
| <b>PH</b>     | Pressure high, high pressure  |
| <b>PHI</b>    | phi: Greek letter used to designate angles.   |
| <b>PHS</b>    | Park heater system  |
| <b>PI</b>     | Pilot injection. See also POI, MI, and HE.  |
| <b>PID</b>    | Parameter identifier, part of CARB, code for current values or similar  |

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|               | parameters, usually proper name  |
| <b>P-IN</b>   | p-in: Delivery pressure  |
| <b>PIP</b>    | Profile ignition pickup, ignition output circuit (Ford) or Signal of Hall sensor for crankshaft RPM and position                   |
| <b>PJ</b>     | Pilot-Jection  |
| <b>PKW</b>    | Passenger car  |
| <b>PL</b>     | Country code for Poland, or Pressure low, low pressure   |
| <b>PLA</b>    | Pneumatic idle increase or Pneumatic idle stop   |
| <b>PLD</b>    | Pump-line-nozzle, diesel injection technique (new designation is UPS)  |
| <b>PLR</b>    | Pneumatic idle speed control   |
| <b>PLU</b>    | Pierburg measurement cell, or Pierburg Aviation  |
| <b>PM</b>     | Pump motor   |
| <b>PML</b>    | Parametric steering, assisted vehicle steering. The related data (parameters) are stored in the control unit.                      |
| <b>PMR</b>    | Private mobile radio   |
| <b>PMS</b>    | Engine control with load detection via intake-manifold pressure (Mercedes) or Inlet-channel injection                              |
| <b>PNAB</b>   | Pneumatic adjustment device  |
| <b>PNABU</b>  | Pneumatic adjustment device, vacuum-operated (Bosch KH)  |
| <b>PNABUE</b> | Pneumatic adjustment device, pressure-operated (Bosch KH)  |
| <b>PNG</b>    | Papua New Guinea   |
| <b>POBSY</b>  | Pedestrian protection optimised bumper system. Ford bumper system made from energy-absorbing foam plastics to protect pedestrians. |
| <b>POI</b>    | Post-injection. See also PI, MI, and HE.   |
| <b>POTI</b>   | Potentiometer, variable resistance   |
| <b>PPG</b>    | PPG module: Periphery program module; module containing control unit diagnostic programs or other CompacSoft programs, proper name |
| <b>PPM</b>    | ppm: parts-per-million, unit   |
| <b>PPS</b>    | Pedal position system, or Pedal position sensor  |
| <b>PRC</b>    | People's Republic of China   |
| <b>PRG</b>    | Program  |
| <b>PROG</b>   | Programming input  |
| <b>PROM</b>   | Programmable read-only memory, usually proper name   |
| <b>PRS</b>    | Programmed restraint system. Reduces the seat-belt tension and thus upper-body injuries (Renault)                                  |
| <b>PS</b>     | Test step or Pump control or Horsepower, unit of work performed by motor vehicles  |
| <b>PSA</b>    | PEUGEOT SOCIETE AUTOMOBILE, proper name  |
| <b>PSD</b>    | Pump control with diagnosis or Porsche limited-slip differential, usually proper name  |
| <b>PSE</b>    | Pneumatic system electronics, electronically controlled pneumatic system   |
| <b>PSG</b>    | Pump control unit  |
| <b>PSI</b>    | psi: Pounds per square inch, physical unit   |
| <b>PSM</b>    | Porsche Stability Module. Porsche-specific designation for ESP.  |
| <b>PSP</b>    | Power steering pressure  |
| <b>PSPS</b>   | Power steering pressure switch   |
| <b>PSV</b>    | Partial intake-manifold pre-heating  |
| <b>PT</b>     | Power train  |
| <b>PTC</b>    | Positive temperature coefficient, thermal resistor with positive   |

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|               | temperature coefficient, so-called cold conductor, or PTC heating element in intake manifold for delivering heat for evaporation   |
| <b>PT-CAN</b> | Power train CAN bus. High-speed CAN bus for drive-train electronics. See also K-CAN, SI-BUS.   |
| <b>PTS</b>    | Park-Tronic System. Parking aid. See also PDC.   |
| <b>PV</b>     | Testing instruction  |
| <b>PVS</b>    | Vacuum switch  |
| <b>PWG</b>    | Pedal position sensor, usually proper name   |
| <b>PWL</b>    | Power window lifter  |
| <b>PWM</b>    | Pulse-width modulation, special signalling form used to determine pulse-duty factors on components (for example, triggering of tank ventilation valve is usually based on such a factor) |
| <b>PWR</b>    | Pulse rectifier  |
| <b>PY</b>     | Paraguay   |
| <b>Q</b>      | Quantity, usually of fuel  |
| <b>Q1</b>     | Fuel quantity for cylinder 1. Similarly Q2, Q3, etc.   |
| <b>Q-AVG</b>  | Quantity average. Mean of (fuel) quantity of all cylinders   |
| <b>QB</b>     | Quality assessment   |
| <b>QGS</b>    | Quick glow system. Rapid pre-heating system for diesel engines.  |
| <b>QHS</b>    | Quick heat system. Rapid diesel pre-heating system.  |
| <b>QM</b>     | Quality management   |
| <b>Q-OVER</b> | Q-over: Overflow quantity  |
| <b>QS</b>     | Quality assurance  |
| <b>QSF</b>    | Average function   |
| <b>QSL</b>    | Quasi select low   |
| <b>QUADR</b>  | Quadrifoglio, Alfa Romeo model designation   |
| <b>RA</b>     | Rear axle, or Argentina  |
| <b>RAIL</b>   | Common Rail, high-pressure distribution line with Common Rail diesel systems   |
| <b>RAM</b>    | Random access memory, read/write memory of a processor   |
| <b>RAS</b>    | Rear-axle steering. Actively steered rear axle used in buses, for example.   |
| <b>RB</b>     | Robert Bosch   |
| <b>RC</b>     | Remote control, or China (Taiwan)  |
| <b>RCA</b>    | Republic of Central Africa   |
| <b>RCH</b>    | Chile  |
| <b>RDK</b>    | Tire pressure check system, usually proper name  |
| <b>RDS</b>    | Rail pressure sensor or Radio data system  |
| <b>RDU</b>    | Tyre pressure monitoring   |
| <b>RDV</b>    | Reverse-flow throttle valve  |
| <b>RDW</b>    | Rest of the world (group in exhaust-gas classification)  |
| <b>RE</b>     | Right (often "re") or Inline injection pump  |
| <b>REA</b>    | Resonance detection  |
| <b>REC</b>    | Rear electrical centre (Opel)  |
| <b>REL</b>    | Relay  |
| <b>RF</b>     | Radio frequency, radio signal  |
| <b>RFP</b>    | Return pump  |
| <b>RFS</b>    | Backup light(s)  |
| <b>RFT</b>    | Run-flat tyre. Special tyre that can also be used in an emergency.   |

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| <b>RG</b>    | Route guidance (Travel Pilot)   |
| <b>RGS</b>   | Route guidance standalone (Travel Pilot as standalone system)   |
| <b>RHD</b>   | Right-hand drive  |
| <b>RHO</b>   | rho: Greek letter, represents density (kg/m <sup>3</sup> )  |
| <b>RHV</b>   | Static high-voltage distribution  |
| <b>RI</b>    | Indonesia   |
| <b>RIV</b>   | Control pulse method (diesel)   |
| <b>RKS</b>   | Tire check system   |
| <b>RL</b>    | Right-hand drive  |
| <b>RLDM</b>  | Rear Left Door Module   |
| <b>RLFS</b>  | Fuel supply system without reverse flow   |
| <b>RLV</b>   | Reverse-flow valve  |
| <b>RM</b>    | Reference mark  |
| <b>RME</b>   | Rapeseed methyl ester, alternative fuel   |
| <b>RO</b>    | Romania   |
| <b>ROK</b>   | Republic of Korea   |
| <b>ROM</b>   | Read-only memory. Program memory of processor, or other memory, that can only be read.                    |
| <b>RON</b>   | Research octane number, see also ROZ  |
| <b>ROPS</b>  | Rollover protection system. Automatically extendable rollbar (Volvo)                                      |
| <b>ROV</b>   | Rotating high-voltage distribution  |
| <b>ROZ</b>   | Research octane number  |
| <b>RP</b>    | In-line pump, or Philippines  |
| <b>RPA</b>   | Flat tyre indicator   |
| <b>RPM</b>   | Revolutions per minute  |
| <b>RRDM</b>  | Rear Right Door Module  |
| <b>RS</b>    | Restraint system or Rotational speed sensor   |
| <b>RSC</b>   | Run-flat system component. Tyres with emergency-running properties. See also RFT.                         |
| <b>RSD</b>   | Backflow throttle   |
| <b>RSV</b>   | Check valve, prevents undesired reverse-flow of liquids or gases  |
| <b>RTI</b>   | Radio Traffic Information, Verkehrfunk  |
| <b>RTM</b>   | Smoke opacity measurement module, product name for exhaust-gas tester (Bosch)                             |
| <b>RTR</b>   | Reverse-flow temperature control  |
| <b>RU</b>    | Soot concentration in exhaust   |
| <b>RUE</b>   | Soot emission   |
| <b>RUEF</b>  | Retrofit vehicle  |
| <b>RUM</b>   | Soot amount   |
| <b>RUV</b>   | Static high-voltage distribution, usually proper name   |
| <b>RW</b>    | Control travel  |
| <b>RWAWS</b> | Control-travel evaluation circuit   |
| <b>RWD</b>   | Rear wheel drive  |
| <b>RWG</b>   | Control-travel sensor   |
| <b>RX</b>    | Receive line (contrast with TX line).   |
| <b>RZ</b>    | Wheel brake cylinder  |
| <b>S</b>     | S: Sensor, or super (premium) grade fuel, or sport program (automatic transmission), or Sweden s: seconds |

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| <b>SAC</b>            | Self-adjusting clutch. Transmits only the current engine torque   |
| <b>SACV</b>           | Secondary air control valve   |
| <b>SAE</b>            | Society of Automotive Engineers, US organization that prescribes standards, recommendations, or guidelines for technically implementing legal requirements (such as for engine oil, error codes, data transmission, etc.) |
| <b>SAM</b>            | Safety (or signal detection) and triggering module. Designation for Mercedes control unit.  |
| <b>SAS</b>            | Side-impact protection  |
| <b>SAT</b>            | Siemens adaptive transmission control   |
| <b>SAV</b>            | Overrun cutoff valve, or Sport activity vehicles (for example BMW X5)   |
| <b>SB</b>             | Star-of-injection, indicates when fuel injection actually starts (the start-of-delivery on the other hand is the time at which the fuel pump begins to deliver), or Control unit for start-of-injection control (diesel)  |
| <b>SBB</b>            | Disc-brake lining   |
| <b>SBC</b>            | Sensotronic Brake Control, part of EHB (electrohydraulic brake) system  |
| <b>SBE</b>            | Seat-occupied detection   |
| <b>SBK</b>            | Safety battery terminal. Part of airbag system. In the case of an accident, the battery is rapidly disconnected from the starter cable in order to prevent short circuits and reduce the risk of fire.                    |
| <b>SBR</b>            | Start-of-injection control  |
| <b>SBS</b>            | Speech-based operation system (Porsche designation)   |
| <b>SCAN TOOL</b>      | Tester for reading OBD error codes and other OBD data   |
| <b>SCC</b>            | Safety car concept. Volvo concept for vehicle in which many safety features have been integrated  |
| <b>SCHALT</b>         | Switch  |
| <b>SCHR</b>           | Steps, such as with a stepping motor  |
| <b>SCI</b>            | Smart-charged injection. Petrol direct injection (Ford)   |
| <b>SCL</b>            | Steering Column Lock  |
| <b>SCP</b>            | Serial communication protocol, proper name  |
| <b>SCS</b>            | Stability control system. Simplified form of ESP (Mitsubishi). Prevents vehicle tilting or skidding.  |
| <b>SCU</b>            | Sensor and control unit. Control unit with integrated radar sensor, main component of ACC system.   |
| <b>SD</b>             | Intake manifold pressure, or Sunroof, or Injection duration, or Control unit diagnosis  |
| <b>SDI</b>            | Intake diesel injection   |
| <b>SDL</b>            | Service diagnosis line, product designation for test line (Bosch)   |
| <b>SDM</b>            | Sunroof motor or Control unit diagnosis module  |
| <b>SDM</b>            | Sensing and Diagnostic Module (airbag)  |
| <b>SDS</b>            | Intake-manifold pressure sensor   |
| <b>SDW</b>            | Signal from anti-theft warning system   |
| <b>SEC</b>            | Seconds, physical unit  |
| <b>SEFI</b>           | Sequential fuel injection, usually proper name  |
| <b>SELECT HIGH</b>    | Select-high control for commercial-vehicle ABS systems. The pressure level is geared to the wheel running with the higher coefficient of friction.  |
| <b>SELECT LOW</b>     | Select-low control with commercial-vehicle ABS systems. Pressure level depends on wheel running with the lower coefficient of friction  |
| <b>SET CONTROLLER</b> | Program command related to controller   |

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| <b>SFI</b>    | Sequential multipoint fuel injection   |
| <b>SFT</b>    | Short (term) fuel trim (lambda-parameter correction). See also STFT.   |
| <b>SG</b>     | Control unit   |
| <b>SGP</b>    | Singapore  |
| <b>SHD</b>    | Sliding or lifting sunroof   |
| <b>SHR</b>    | Select-high control for commercial-vehicle ABS systems. The pressure level is geared to the wheel running with the higher coefficient of friction. |
| <b>SHZ</b>    | Heated seat  |
| <b>SI</b>     | Speed index (code letter for speed), or Silicon  |
| <b>SIA</b>    | Service interval indicator. Shows the driver that oil change or annual inspection is required, for example. See also WIV.                          |
| <b>SI-BUS</b> | Safety and information bus system. See also K-CAN and PT-CAN.  |
| <b>SID</b>    | System Information Display   |
| <b>SIDC</b>   | Sid Controller   |
| <b>SIH</b>    | Sitzheizung  |
| <b>SIL</b>    | Seat electrical system, left   |
| <b>SILA</b>   | Signal lamp  |
| <b>SIM</b>    | Safety information module. Component of ISIS system (BMW)  |
| <b>SIPS</b>   | Side-impact protection system (Volvo)  |
| <b>SIR</b>    | Seat electrical system, right.   |
| <b>SIS</b>    | Service Information System, proper name or Series repair   |
| <b>SKF</b>    | Spike characteristic. Relates to Porsche transmission controls.  |
| <b>SKO</b>    | Compressor signal  |
| <b>SKT</b>    | Scale units  |
| <b>SL</b>     | Select low   |
| <b>SLA</b>    | Safety lamp  |
| <b>SLE</b>    | Secondary-air injection  |
| <b>SLM</b>    | Shift lever Module   |
| <b>SLO</b>    | Slovenia   |
| <b>SLP</b>    | Secondary-air pump   |
| <b>SLR</b>    | Select-low control for commercial-vehicle ABS systems. The pressure level is geared to the wheel running with the lower coefficient of friction.   |
| <b>SLS</b>    | Secondary-air system   |
| <b>SM</b>     | Seat memory, or Stepping motor   |
| <b>SME</b>    | Stepping-motor electronics   |
| <b>SNA</b>    | Automatic momentum utilisation   |
| <b>SNR</b>    | Part number or Record number   |
| <b>SO</b>     | Safety switch, normally closed (actuator)  |
| <b>SO2</b>    | Sulphur dioxide. Pungent gas causing respiratory diseases. It is thus an aim to reduce the sulphur content in exhaust gases.                       |
| <b>SOHC</b>   | Single overhead camshaft   |
| <b>SOP</b>    | Start of production  |
| <b>SP</b>     | Safety testing, usually in conjunction with testing of brake system  |
| <b>SPA</b>    | Mirror drive   |
| <b>SPA</b>    | Sonic Park Assist  |
| <b>SPI</b>    | Single point injection, usually proper name  |
| <b>SPL</b>    | Noise level, or Sound-pressure level   |
| <b>SPM</b>    | Mirror memory, usually proper name   |



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| <b>SPOR</b>  | Sporadic   |
| <b>SPOUT</b> | Ignition signal (EEC IV)   |
| <b>SPS</b>   | Solar position sensor  |
| <b>SPV</b>   | Injection adjustment (see also SV)   |
| <b>SR</b>    | Side-based control   |
| <b>SRA</b>   | Headlight wiper system   |
| <b>SRC</b>   | Source (of data or audio signals, for example)   |
| <b>SRE</b>   | Intake-manifold injection  |
| <b>SRM</b>   | Headlight wiper motor  |
| <b>SRM</b>   | Sun Roof Module  |
| <b>SRS</b>   | Safety restraint system (generally includes airbag and seatbelt tensioner, normally controlled by a common control unit)   |
| <b>SS</b>    | Safety switch, normally open (sensor 9)  |
| <b>SSA</b>   | Automatic start/stop   |
| <b>SSD</b>   | Steel sliding sunroof  |
| <b>SSG</b>   | Seat control unit (Mercedes)   |
| <b>SSHD</b>  | Steel sliding/lifting sunroof  |
| <b>SSS</b>   | Stop/start system  |
| <b>SST</b>   | Special tool or self-supporting tyre, tyre which supports itself and features limp-home properties   |
| <b>SSU</b>   | Triggering device for side airbag  |
| <b>ST</b>    | System tester  |
| <b>STAE</b>  | Start external, external start switch  |
| <b>STAT</b>  | Static   |
| <b>STC</b>   | Stability and traction control   |
| <b>STFT</b>  | Short-term fuel trim (for lambda-parameter correction). See also SFT.  |
| <b>STH</b>   | Stationary-vehicle heater  |
| <b>STI</b>   | Self-test input signal   |
| <b>STM</b>   | Servomotor   |
| <b>STO</b>   | Self-test output signal  |
| <b>STOE</b>  | Stop external, external stop switch  |
| <b>SU</b>    | Soviet Union   |
| <b>SULEV</b> | Super ultra-low emissions vehicle (group in classifying exhaust-emissions levels). See also LEV, NLEV, ULEV, TLEV, and ZEV.  |
| <b>SUS</b>   | Slip threshold switchover  |
| <b>SUV</b>   | Sport utility vehicles. Vehicle group comprising off-road-capable, leisure-activity sport vehicles and commercial vehicles with all-wheel drive (fun vehicles). Better suited for on-road than off-road. Examples: Mazda Tribute, Mercedes ML 320. |
| <b>SV</b>    | Injection adjustment (see also SPV) or Servo valve or Start valve  |
| <b>SVC</b>   | Saab variable compression. The cylinder head is tilted in order to modify the compression ratio, or Speed volume control. Speed-dependent volume control for car radios.   |
| <b>SVG</b>   | Seat adjustment transmission   |
| <b>SVM</b>   | Seat adjustment motor  |
| <b>SW</b>    | Headlight(s) or Software   |
| <b>SWA</b>   | Headlight washer   |
| <b>SWC</b>   | Steering Wheel Control   |
| <b>SWD</b>   | Vibration damper   |

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| <b>SWT</b>        | Side wall torsion sensor. Detects longitudinal and transverse forces directly at the wheel during acceleration, braking, and in curves. Currently employed for quick-reaction ABS and ESP systems, in the future possibly for counteracting wind gusts. |
| <b>SZ</b>         | Opacity number, or Coil ignition, possibly with interrupt contacts or Switching-time program (determines switching time)  |
| <b>T</b>          | time , temperature (such as time adjustment, T-comp, compression temperature)   |
| <b>T.C.S.</b>     | Ignition timing control system  |
| <b>T.O.C.S.</b>   | Throttle valve control system   |
| <b>TA</b>         | Traffic announcement, or Thorax airbag (BMW)  |
| <b>TAB</b>        | Test Airbag. Excitation lead for airbag system (Mazda)  |
| <b>T-ABGLEICH</b> | t-adjust: time of adjustment  |
| <b>TAC</b>        | Test Air Conditioning. Excitation lead for air conditioner (Mazda)  |
| <b>TANS</b>       | Tans: Intake air temperature (in °C)  |
| <b>TAS</b>        | Temperature dependent control, with distributor injection pumps, or Temperature dependent start-volume, with distributor injection pumps  |
| <b>TAT</b>        | Test Automatic Transmission. Excitation lead for transmission control (Mazda)   |
| <b>TAU</b>        | Automatic temperature system  |
| <b>TBB</b>        | Drum-brake shoes  |
| <b>TBI</b>        | Throttle body injection, central injection  |
| <b>TBS</b>        | Test Brake System. Excitation lead for ABS system (Mazda)   |
| <b>TC</b>         | Traction control, auxiliary function with ABS   |
| <b>TCE</b>        | Trailer central electronic, central electronics system for trailer  |
| <b>TCM</b>        | Transmission control module (Opel automatic-transmission control unit)  |
| <b>TCO</b>        | Tachograph (Mercedes)   |
| <b>T-COMP</b>     | T-comp: Compression temperature   |
| <b>TCS</b>        | Traffic centre service  |
| <b>TCSA</b>       | Temperature controlled spark advance  |
| <b>TCU</b>        | Transmission control unit   |
| <b>TD</b>         | TD: Time division, engine load signal tD: Transistor speed signal, square-wave signal supplying RPM for other systems such as transmission control  |
| <b>TDC</b>        | Top dead centre, see also OT  |
| <b>TDI</b>        | Turbo diesel injection  |
| <b>TDS</b>        | Tank pressure sensor  |
| <b>TEC</b>        | Total electronic control  |
| <b>TEE</b>        | Tank installation unit  |
| <b>T-EIN</b>      | t-ein: Build-up time  |
| <b>TELE-AID</b>   | Telematic alarm identification on demand, accident notification   |
| <b>TEMP</b>       | Temperature   |
| <b>TMS</b>        | Telematics  |
| <b>TEMP. SCH.</b> | Temperature switch  |
| <b>TEMPF</b>      | Temperature sensor  |
| <b>TEN</b>        | Test Engine. Excitation lead for control unit (Mazda), usually proper name  |
| <b>TES</b>        | Thermo-electric switch or tank ventilation system (also referred to as evaporative emission-control regeneration system)  |
| <b>TEV</b>        | Tank ventilation valve or Thermostatic expansion valve (heating/air conditioning)   |

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| <b>TF</b>          | Temperature sensor   |
| <b>TFA</b>         | Test of radiator fan   |
| <b>TFI</b>         | Electronic ignition switch (EEC)   |
| <b>THA</b>         | Thailand   |
| <b>THS</b>         | Toyota hybrid system. Hybrid of combustion and electrical drive, with electronic control.  |
| <b>T-HYBRID</b>    | Hybrid temperature   |
| <b>THZ</b>         | Tandem master cylinder. Master brake cylinder for hydraulic brakes.  |
| <b>TI</b>          | ti: Injection signal (t=time, i=ignition)  |
| <b>TID</b>         | Test identification data or Triple Info Display, driver information system in which certain data and information is displayed  |
| <b>TIM</b>         | Time impulse   |
| <b>T-IN</b>        | T-in: Inflow temperature (actual) T-in (nom.): Nominal inflow temperature  |
| <b>TIPTRONIC</b>   | Porsche or VW electronic transmission control. The control can be operated via a small device on the steering wheel.   |
| <b>TKRAFT</b>      | Fuel temperature (in °C)   |
| <b>TKU</b>         | Technical customer documentation   |
| <b>TL</b>          | tl: Engine load signal recorded over time TL: Partial throttle, engine operating state   |
| <b>TLA</b>         | Temperature dependent idle increase, with distributor injection pumps  |
| <b>T-LASTPUNKT</b> | Time of load point   |
| <b>TLEV</b>        | Transient low-emissions vehicle (group in exhaust-emissions classification). Comprises vehicles with low emissions levels. See also LEV, NLEV, SULEV, ULEV, and ZEV. |
| <b>TLK</b>         | Temperature dependent idle correction  |
| <b>TMB</b>         | Door module, passenger side  |
| <b>TMC</b>         | Traffic message channel  |
| <b>T-MESS</b>      | Time or duration of measurement  |
| <b>TMF</b>         | Door module, driver side   |
| <b>TMOT</b>        | Engine temperature (in °C), usually determined from coolant  |
| <b>TMS</b>         | Telematic system   |
| <b>TN</b>          | tn: Signal from ignition with inductive peaks suppressed. Used for RPM detection for control unit and speedometer  |
| <b>TNA</b>         | Signal output for engine speed.  |
| <b>T-OFFSET</b>    | Time offset  |
| <b>T-OVER</b>      | T-over: Overflow temperature   |
| <b>TP</b>          | Throttle valve potentiometer (actuator)  |
| <b>TPM</b>         | Tempomat (cruise control)  |
| <b>TPM</b>         | Tyre Pressure Monitoring   |
| <b>TPMS</b>        | Tyre pressure monitoring system, with pressure and temperature sensors at wheel (Opel/Teves)   |
| <b>TPS</b>         | Throttle position sensor   |
| <b>TQ</b>          | Time quantity (usually TQ signal). Fuel consumption signal.  |
| <b>TR</b>          | TR: RPM information, or contact roller, or Turkey tr: Calculated RPM signal  |
| <b>TRACS</b>       | Traction control system (Volvo)  |
| <b>TRUST</b>       | Trundle stability  |
| <b>TS</b>          | Temperature switch or Twin spark, double-spark ignition (Alfa Romeo)   |
| <b>TSG</b>         | Tank level sensor or Door control unit   |

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| <b>TSH</b>      | Door lock heater  |
| <b>TSP</b>      | Trailer stability program, ESP type system for trailers, designed to prevent trailer skid (Opel)  |
| <b>TSS</b>      | Thermal protection switch   |
| <b>TSU</b>      | Speedometer signal transformer  |
| <b>TSZ</b>      | Transistor coil ignition with discrete components   |
| <b>TSZ-H</b>    | Transistor coil ignition with Hall sensor   |
| <b>TSZ-I</b>    | Transistor coil ignition with inductive sensor  |
| <b>TSZ-IZA</b>  | Transistor ignition with ignition coil in distributor   |
| <b>TT</b>       | TT division. Black-and-white division of brake circuits: one circuit in front, one in rear.   |
| <b>T-TOTAL</b>  | t-total: Total measurement time   |
| <b>TUEV</b>     | German vehicle-inspection authority   |
| <b>TV</b>       | TV: Timing valve tv: Offset time of oxygen sensor control   |
| <b>TVA</b>      | Temperature dependent full-load stop  |
| <b>T-VIS</b>    | Toyota variable intake system (cut-in at 4500 rpm in 16-valve engines)  |
| <b>TVS</b>      | Temperature dependent vacuum switch or Thermal vacuum switch  |
| <b>TVSV</b>     | Temperature dependent vacuum switching valve  |
| <b>TWA</b>      | Twin-wheel axle. Axle with twin tires on each side.   |
| <b>T-WAIT</b>   | t-wait: Wait time   |
| <b>T-WARTE</b>  | Wait time   |
| <b>TWC</b>      | Three-way catalytic converter   |
| <b>TX</b>       | TX line: Transmission line, in contrast to RX line  |
| <b>TZ</b>       | Transistor coil ignition with hybrid component  |
| <b>TZ-H</b>     | Transistor ignition with Hall sensor  |
| <b>TZ-I</b>     | Transistor ignition with inductive sensor   |
| <b>TZS</b>      | Thermal time switch   |
| <b>U</b>        | Below, underneath or Voltage  |
| <b>UAE</b>      | United Arab Emirates  |
| <b>UAM</b>      | Ultrasonic Alarm Module   |
| <b>UB</b>       | Battery voltage, supply voltage at terminal 30  |
| <b>U-BATT</b>   | Battery voltage   |
| <b>UBF</b>      | Lower control panel. Near the gearshift lever or below the radio, some vehicles have switches or buttons, such as for the rear-window defogger. These elements together comprise a control panel, which is referred to as the lower control panel to distinguish it from another control panel on or above the dashboard. |
| <b>UBL</b>      | Brake-light voltage   |
| <b>UCL</b>      | Understeering control logic. ESP system used in Renault Megane.   |
| <b>UDB</b>      | Vacuum limiter  |
| <b>UD-F</b>     | Vacuum adjustment EARLY   |
| <b>UD-MODUL</b> | Vacuum module. Valve for switching and measuring intake manifold pressure   |
| <b>UDS</b>      | Accident data memory (VDO), similar to black box in aircraft  |
| <b>UD-S</b>     | Vacuum adjustment LATE  |
| <b>UEC</b>      | Underhood Electrical Center, Opel designation for engine-compartment electronics module   |
| <b>UEDS</b>     | Excessive-speed switch  |
| <b>UEGO</b>     | Universal exhaust gas oxygen sensor, non-heated Lambda sensor   |

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| <b>UERB</b>      | Rollbar   |
| <b>UEV</b>       | Excessive-flow valve  |
| <b>UG</b>        | Lower limit Lower tolerance limit   |
| <b>UIS</b>       | Unit injection system, new designation for PDE systems (diesel injection systems with pump-nozzle unit)   |
| <b>U-KAT</b>     | Unregulated catalytic converter (without oxygen sensor control)   |
| <b>ULEV</b>      | Ultra-low emissions vehicle (group in exhaust-gas classification). See also LEV, NLEV, SULEV, TLEV, and ZEV.  |
| <b>ULW</b>       | Ultra lightweight   |
| <b>UM</b>        | Reversing valve (for ASR operation)   |
| <b>UMTS</b>      | Universal Mobile Telecommunications System. Standard for the 3rd generation of mobile radio communications. Is to replace the analogue radio system over the long term. |
| <b>UNI1</b>      | UNI2, Additional lines on universal adapter cable, used to read out flash codes or for special purposes   |
| <b>UP</b>        | Unsaturated polyester. Thermosetting plastic used in body construction or to manufacture pressure-resistant containers.   |
| <b>UPA</b>       | Ultrasonic parking assistant  |
| <b>UPS</b>       | Unit Pump System, new designation for PLD systems   |
| <b>URS</b>       | Rollover sensor, usually proper name  |
| <b>US</b>        | Designation denoting basis on U.S. emission standards   |
| <b>USA</b>       | United States of America  |
| <b>USB</b>       | Universal serial bus. The USB interface permits simple connection of various peripherals to a PC.   |
| <b>USG</b>       | Non-interrupting manual transmission. Two clutches (drive-off and load-shift) enable electronically controlled driving without shifting interruptions.                  |
| <b>USV</b>       | Change-over valve   |
| <b>UT</b>        | Bottom dead centre  |
| <b>UUV</b>       | Urban Utility Vehicle, Nutzfahrzeug für den Einsatz in der Stadt  |
| <b>UV</b>        | Ultraviolet. Used mostly in conjunction with light or radiation.  |
| <b>UVR</b>       | Voltage at valve relay  |
| <b>UVS</b>       | Rollbar and variable sunroof control (Mercedes)   |
| <b>UW</b>        | Voltage converter   |
| <b>UZ</b>        | Voltage after ignition, terminal 15   |
| <b>V</b>         | V: Volt, physical unit, or carburetor engine, or valve, or viscose, or fan, or front v: Front, or velocity  |
| <b>V/MS</b>      | V/ms: volts per millisecond, unit for voltage per time.   |
| <b>VA</b>        | Vorderachse   |
| <b>VAC</b>       | Variant coding  |
| <b>VAF</b>       | Air-flow sensor   |
| <b>VAG</b>       | Volkswagen AG, vehicle maker, proper name   |
| <b>VAKU-SCH.</b> | Vacuum switch   |
| <b>VAN</b>       | Vehicle Area Network. The VAN bus is a bus system that interconnects various components in the vehicle. This can be a CAN bus, but it can also be another type of bus.  |
| <b>VANOS</b>     | Variable camshaft timing  |
| <b>VARILIS</b>   | Variable lighting system (Hella)  |
| <b>VAT</b>       | Intake-air temperature sensor   |

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| <b>VC</b>    | Variant coding  |
| <b>VCV</b>   | Vacuum control valve  |
| <b>VD</b>    | Choke valve   |
| <b>VDC</b>   | Vehicle distance control or Vehicle dynamics control  |
| <b>VDV</b>   | Vacuum delay valve  |
| <b>VE</b>    | Distributor injection pump (series designation). See also VP  |
| <b>VERD.</b> | Verdeck (Cabrio)  |
| <b>VES</b>   | Fully electronic radio ignition key   |
| <b>VEZ</b>   | Fully electronic ignition system  |
| <b>VFD</b>   | Vacuum fluorescence display   |
| <b>VFR</b>   | Variable focus reflector (headlight)  |
| <b>VGWX</b>  | Preset value if sensor fails  |
| <b>VIM</b>   | Vehicle immobilizer   |
| <b>VIN</b>   | Vehicle identification number, code stored in control unit  |
| <b>VIS</b>   | Variable Intake System (Rover)  |
| <b>VK</b>    | Valve body  |
| <b>VKP</b>   | Programmable variant coding   |
| <b>VKS</b>   | Variant coding with plug  |
| <b>VL</b>    | Left front, or Full load, engine operating state  |
| <b>VLP</b>   | Preliminary charge pump   |
| <b>VM</b>    | Adjustment motor or Combustion engine   |
| <b>VOCS</b>  | Voice control system  |
| <b>VP</b>    | Distributor pump (usually factory-internal designation). See also VE  |
| <b>RPC</b>   | Volvo Personal Communicator. SCC element with fingerprint sensor that detects the identity of the driver and makes driver-specific adjustments.   |
| <b>VR</b>    | Right front or Distributor pump with radial piston  |
| <b>VRD</b>   | Vario nozzle, nozzle with variable radius   |
| <b>VRM</b>   | Valve feedback  |
| <b>VRS</b>   | Relay supply voltage  |
| <b>VSA</b>   | Vehicle stability assist. System similar to ESP.  |
| <b>VSC</b>   | Voltage supply control. Battery management system (Mercedes)  |
| <b>VSG</b>   | Composite safety glass  |
| <b>VSO</b>   | Vehicle speed out   |
| <b>VSS</b>   | Volts peak-to-peak, unit for special voltage values, measures difference between maximum and minimum voltage levels or Vehicle speed sensor, or Vehicle security systems  |
| <b>VSV</b>   | Vacuum switching valve  |
| <b>VT</b>    | Vacuum transducer   |
| <b>VTG</b>   | Variable turbine geometry. The turbine has movable guide blades, which can be varied depending on the operating state of the vehicle. A turbocharger with variable turbine geometry offers the advantage that it is more responsive than a conventional turbocharger with fixed turbine geometry. |
| <b>VTV</b>   | Vacuum transmitting valve   |
| <b>VVA</b>   | Variable valve actuation. Variable valve control between cams and valves. Operates electrohydraulically. Duration and width of opening can be varied (Fiat, Lancia)   |
| <b>VVC</b>   | Variable valve control  |
| <b>VVL</b>   | Variable valve lift   |

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| <b>VVW</b>   | Variable valve displacement   |
| <b>VW</b>    | Compensating resistor or Volkswagen, vehicle maker, proper name   |
| <b>VZ</b>    | Electronic ignition timing with static distribution   |
| <b>VZ-K</b>  | Electronic ignition timing with static distribution and knock control   |
| <b>W/M2</b>  | W/m <sup>2</sup> . Watts per square meter. Physical unit for solar radiation intensity  |
| <b>WAA</b>   | Wiper blade   |
| <b>WALA</b>  | Safety lamp   |
| <b>WAN</b>   | Nigeria   |
| <b>WDS</b>   | World diagnostic system (Ford tester)   |
| <b>WE</b>    | Water injection   |
| <b>WEBER</b> | Weber petrol injection  |
| <b>WEO</b>   | Western Europe except Germany   |
| <b>WFS</b>   | Immobilizer   |
| <b>WHA</b>   | Water-side automatic heater   |
| <b>WIG</b>   | Wiper pulse transmitter   |
| <b>WIV</b>   | Service interval extension. Under certain conditions (use of special oils, etc.), service can be performed at greater intervals. Also referred to as Longlife Service (VW, Audi).                                   |
| <b>WK</b>    | Converter clutch  |
| <b>WL</b>    | Warning lamp  |
| <b>WLR</b>   | Warmup control  |
| <b>WR</b>    | Warmup control or Warning lamp relay  |
| <b>WS</b>    | Wiper or Travel sensor  |
| <b>WSA</b>   | Wiper system  |
| <b>WSG</b>   | Separate control unit   |
| <b>WSH</b>   | Wiper lever   |
| <b>WSK</b>   | Converter clutch used in semiautomatic transmission   |
| <b>WSKS</b>  | Converter clutch switch   |
| <b>WSM</b>   | Wiper motor   |
| <b>WSS</b>   | Window screen system. A type of night-vision unit (DaimlerChrysler). Supports driver in night driving by making an infrared image of what is visible through the windscreen and displaying it on a separate screen. |
| <b>WSZ</b>   | AC ignition   |
| <b>WT</b>    | Heat exchanger  |
| <b>WTF</b>   | Water temperature sensor  |
| <b>WUEK</b>  | Eigentlich WÜK, Wandlerüberbrückungskupplung, verhindert Schlupf im Drehmomentwandler   |
| <b>X</b>     | X division. Diagonal division of brake circuits: one circuit for left-front and right-rear, and one circuit for right-front and left-rear.  |
| <b>XE</b>    | Extreme economy. Selection option for extremely economical driving with automatic transmissions   |
| <b>XS</b>    | Extreme sport. Selection option for extremely sporty driving with automatic transmissions   |
| <b>YRS</b>   | Yaw rate sensor. Component of ESP system  |
| <b>YV</b>    | Venezuela   |
| <b>Z.Z.</b>  | Currently, at the moment  |
| <b>ZA</b>    | Ignition suppression or South Africa  |
| <b>ZAB</b>   | Central display and operating unit for information  |
| <b>ZAS</b>   | Cylinder shutoff  |

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| <b>ZBR</b>        | Central vehicle computer  |
| <b>ZDA</b>        | Intermediate RPM stop   |
| <b>ZDE</b>        | Intermediate RPM adjuster   |
| <b>ZDR</b>        | Intermediate RPM control  |
| <b>ZDT</b>        | Cyclical nozzle-exchange procedure  |
| <b>ZE</b>         | Central injection or Central electronics  |
| <b>ZEE</b>        | Central injection unit, Mono-Jetronic   |
| <b>ZEV</b>        | Zero-emissions vehicle. Vehicle producing no exhaust gases. See also LEV, NLEV, SULEV, TLEV, and ULEV.                                |
| <b>ZGM</b>        | Central gateway module  |
| <b>ZGW</b>        | Central gateway. Computer that connects and controls data exchange between two networks   |
| <b>ZK</b>         | Ignition circuit (airbag system)  |
| <b>ZKO</b>        | Ignition capacitor  |
| <b>ZLS</b>        | Auxiliary air slider  |
| <b>ZLV</b>        | Auxiliary air valve   |
| <b>ZME</b>        | Trim unit. Control unit for the high-pressure pump (such as CP3) of a Common Rail system. Measures the fuel quantity fed to the pump. |
| <b>ZMS</b>        | Two-mass flywheel   |
| <b>ZNPB</b>       | Central delivery volume normal test stand (special tester for injection pumps)  |
| <b>ZOS</b>        | Zero offset disc brake (no residual drag moment)  |
| <b>ZOT</b>        | Cylinder top dead centre  |
| <b>ZRE</b>        | Zaire   |
| <b>ZS</b>         | Ignition coil   |
| <b>ZU</b>         | Intermediate inspection   |
| <b>ZUS.LUFTP.</b> | Auxiliary air pump (secondary air injection)  |
| <b>ZV</b>         | Central locking or Ignition distributor or Ignition timing adjustment   |
| <b>ZVM</b>        | Central locking module  |
| <b>ZVN</b>        | Central valve for level adjustment  |
| <b>ZW</b>         | Between   |
| <b>ZWD</b>        | Two-coil actuator (servomotor with two coils)   |
| <b>ZWG</b>        | Intermediate transmission   |
| <b>ZWS</b>        | Accessory for immobilizer   |
| <b>ZWV</b>        | Ignition timing adjustment  |
| <b>ZYL</b>        | Cylinder  |