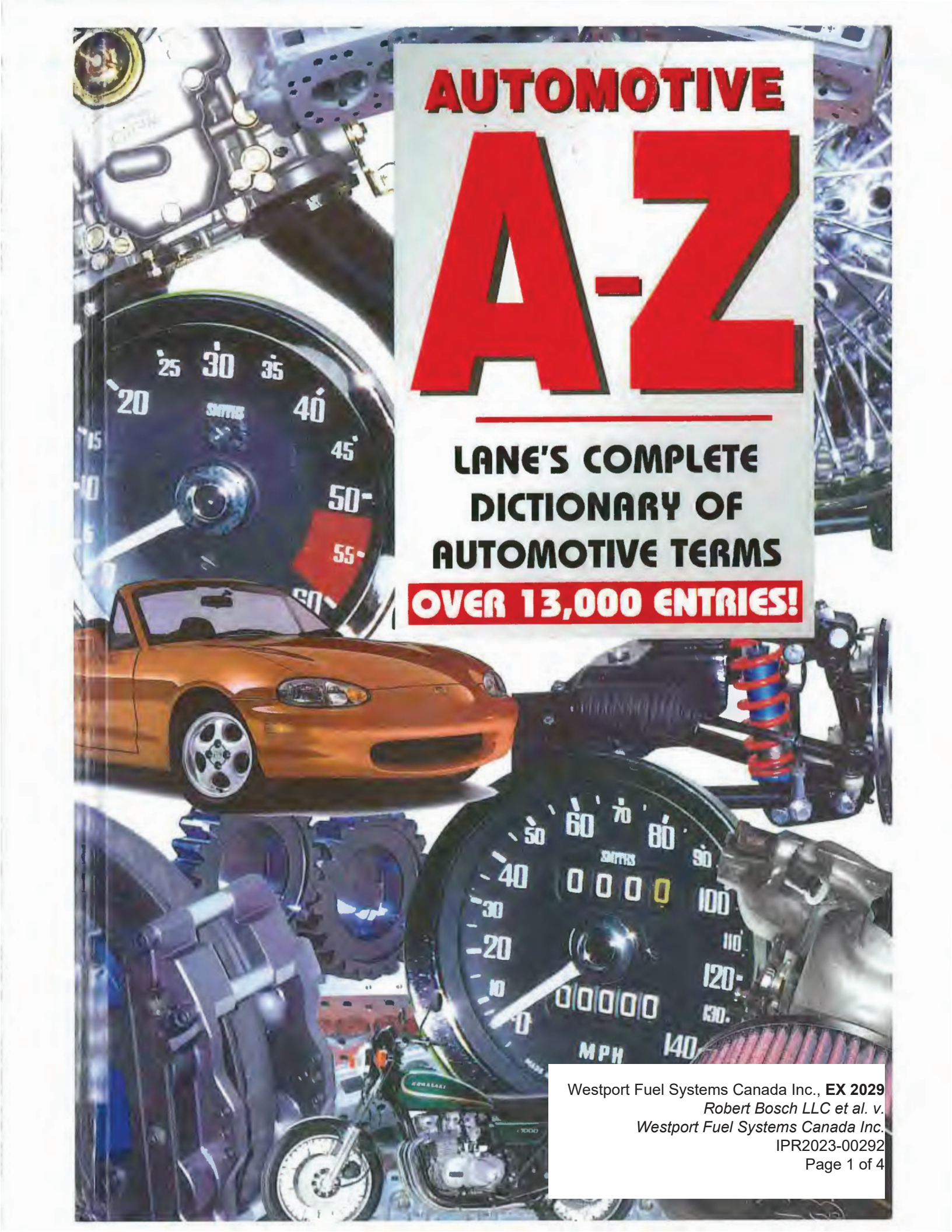




AUTOMOTIVE

A-Z

**LANE'S COMPLETE
DICTIONARY OF
AUTOMOTIVE TERMS
OVER 13,000 ENTRIES!**

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AUTOMOTIVE

A-Z

**LANE'S COMPLETE
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Keith Lane



VELOCE PUBLISHING
THE PUBLISHER OF FINE AUTOMOTIVE BOOKS

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I dedicate this book to Val, my wife and co-driver, and to my children Paul, Phillip and Charlotte for their constant encouragement.

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wrong selection.

detent, a small depression in a shaft, rail, or rod into which a pawl or ball locates to provide a locking effect.

detergent oil, a lubricating oil with additives to keep impurities in suspension, to prevent the formation of sludge.

detonation, an uncontrolled secondary explosion in the combustion chamber occurring after the spark, resulting in spontaneous combustion of the remaining air-fuel mixture, also named pinking.

detonation control system, an electronic spark control system to prevent pinking.

detonation sensor, a device that recognises detonation and sends a signal to the ECU to reduce or eliminate its occurrence.

DETR, Department of Environment Transport and the Regions, now renamed DTLR, UK.

detune, to deliberately reduce the power output of an engine by changing part of its design.

DEUA, Diesel Engine Users Association, now IDGTE.

device, a mechanism, tool, or special equipment designed to serve a specific function.

dewaxed oil, a lubricating oil that has had a portion of its wax removed to improve some qualities.

DFC, diagnostic fault code.

dfv, double four valve, a vee engine configuration having dohc and 4 valves per cylinder.

DG, USA, diesel general, a lubricating oil for diesel engines.

DGSA, dangerous goods safety advisor.

DGW, UK, design gross weight.

dhaba, a truck stop in India and neighbouring countries.

dhc, drophead coupé.

Di, direct injection diesel engine.

DI, direct injection.

DI, driveability index.

DIA, Driving Instructors Association, UK.

diabetes, a medical condition that may prevent a person holding a driving licence due to the risk of losing consciousness whilst driving.

diagnose, to analyse the root cause of a problem or failure in any vehicle part.

diagnostic computer, a microprocessor based system used for diagnostic testing of a vehicle.

diagnostic connector, a connector on a vehicle by which a service bay diagnostic computer can communicate with the electronic modules on a vehicle.

diagnostic fault code, a numeric identifier for a fault condition identified by the vehicle on-board diagnostic system, to enable determination of the actual fault.

diagnostic testing, to examine a vehicle system to detect a fault, typically by means of a diagnostic computer.

diagnostic trouble code, USA, diagnostic fault code.

diagonal, USA, a tyre of crossply construction.

diagonal belt, a seat belt worn diagonally over the chest with no lap strap, on some older USA cars, not safe due to probability of submarining under the belt in a collision.

diagonal blocking, the principle of applying wheel chocks to the wheel diagonally opposite from that being raised from the road surface for a wheel change.

diagonal split brakes, a dual circuit braking system where each circuit operates a front and diagonally opposite rear wheel for reasonably balanced braking if a circuit should fail.

dials, the instruments on the instrument panel.

diameter, a straight line passing from side to side through the centre of a circle.

diamond honing, microscopic diagonal scratches that are applied to the bore of a cylinder to aid oil retention and reduce wear.

Diamond instructor, UK, a driving instructor who holds a diploma in driving instruction and has passed the Cardington special test at grade A.

diamond junction, a grade separated junction having 1 overbridge over or under the main road and staggered crossroads at each end of the bridge feeding to/from the sliproads and lesser roads; named from the resulting plan shape; see appendices.

diamond sign, road signs for the use of tram drivers.

Diamond test, UK, an advanced driving test administered by the DIA.

diaphragm, a thin sheet of flexible material, usually circular, to divide compartments and form part of the operating mechanism, e.g. in a fuel pump or some valves.

diaphragm spring, a spring in the form of a disc with internal radial sprung fingers, commonly used in clutches.

dickey seat, an additional seat in the rear of some vintage cars, when not in use it folds into the boot.

DID, direct injection diesel.

DID, driver information display.

Diesel, Rudolf Diesel, the inventor of the compression ignition internal combustion engine burning light oil, in 1893.

diesel clatter, a characteristic noise from many diesel engines, especially when starting from cold.

diesel cycle, an internal combustion engine operating cycle having 4 strokes: induction of air, compression of air, power, exhaust, where the fuel is injected at the end of the compression stroke and ignites due to the high temperature of the compressed air.

diesel engine, an internal combustion engine with a high compression ratio, burning oil instead of petrol.

system, the fuel created by hi

diesel fuel, a by distillation

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