

September 11, 2020

Good day,

My name is Mr. Errol Brebner, I am the Auto-Mechanic Instructor at the St. Andrews Regional Life Centre Boys Town Upper Sangre Grande. Since it is not possible to greet you “face to face” at this time, I would like to formally welcome you-all to our online and virtual training sessions. The course work will be sent to the life centre, which should be collected and signed for by a parent or guardian, as we strive to accommodate every-one in the training process. I trust at this time everyone is safe and are following all of the guidelines to ensure we remain safe and healthy.

TECHNICAL JARGON

ABDC:	After Bottom Dead Centre
ABSOLUTE ZERO	A state in which no heat is present
A/C	Alternating Current
ACCELERATOR	Floor pedal used to control, through linkages, throttle valve in carburettor.
ACCELERATOR PUMP	Small pump, located in carburettor that sprays gasoline into the air stream during acceleration
ACTUATOR	device that converts electrical signals into physical action.
AIR-BLEED	An orifice or small passageway designed to allow a specific amount of air to enter a moving column of liquid.
AIR-FUEL RATIO	Ratio (by weight or volume) between air and gasoline that makes up the fuel mixture.
AIR HORNE (CARBURETTOR)	Top air passageway through the carburettor.
ATDC	After Top Dead Centre.
ATOMIZE	To break a liquid into tiny droplets (Gasoline).
BACKFIRE (INTAKE SYSTEM)	Burning of fuel mixture in the intake manifold. May be caused by faulty timing, crossed plug wires, leaky intake valve etc.
BACKFIRE (EXHAUST SYSTEM)	Passage of unburned fuel mixture into the exhaust system where it is ignited and causes an explosion
BACKLASH	Amount of "play" between two parts. In case of gears. It refers to how much one gear can be moved back and forth without moving the gear into which it is meshed.
BORE	May refer to the cylinder itself or the diameter of the Cylinder
BRAKE FADE	Reduction of braking force due to loss of friction between brake shoe and drum caused by heat
BRAKE HORSEPOWER	Measurement of actual usable horsepower delivered at Crankshaft.

BREAK-IN	Period of operation between installation of new or rebuilt parts And the time in which parts are worn to the correct fit.
CAM	Off portion of shaft that will, when turns, impart motion to another part such as Valve lifters.
CRANKCASE	Part of the engine that surrounds the crankshaft not to be Confused with the oil sump, which is the thin steel cover Bolted at the bottom of the crankcase.
DEADCENTRE	The point at which the piston reaches its uppermost or down most position in the cylinder.
DISPLACEMENT	Volume of air displaced by Piston travelling from BDC to TDC.
DOHC	Refers to engines with double (Two) camshafts.
DRIVE TRAIN	All parts that generates power (Engine) and transmit it to road wheels.
DRY SUMP	Instead of letting oil throw-off drain into regular oil pan, the System collects and pumps this oil to a remote container or sump.
HONE	To remove metal with fine grit abrasive stone to precise tolerances.
HORIZONTALLY OPPOSED ENG.	Engines possessing two banks of cylinders that are placed flat Or at 180 degrees.
OVER SQUARE ENGINE	Engine in which the bore diameter is larger than the length of the stroke.
OVER STRRE	Tendency for a car when negotiating a corner, to turn more than the driver intended.
PREIGNITION	Fuel charge being ignited before proper time.
VISCOSITY	Measure of oil ability to flow.
VENTURI	That part of a tube, channel, or pipe so tapered as to form a smaller or constricted area. Venturi principle is used in carburettor.
SIDE SQUAIRTERS	Side draft Carburettors.
CTS	Coolant temperature sensor
CV	Constant Velocity- means that there is no variation of the rate of speed of travel or rotation.

DC	Direct Current
DIS	Distribution Ignition System. Also called Direct Ignition System.
DOHC	Dual Over Head Camshafts
DOT	Department of Transport
DRAM	Digital Ratio Adapter Module is used with RWAL systems to convert WSS input into useable codes for digital speedometers.
DTC	Diagnostic Trouble Code
ECU	Electronic Control Unit
EEPROM	Electronically Erasable Programmable Read Only Memory
EFE	Early Fuel Evaporation is a system used to apply heat just under the base of the carburettor and/or in the intake manifold to try to vaporise the fuel before entry into the cylinder
EFI	Electronic Fuel Injection
EGR	Exhaust Gas Recirculation
EMF	Electromotive Force (Voltage)
EMI	Electromagnetic Interference
EP	Extreme Pressure denotes quantities design into gear oil and most greases to eliminate scuffing and scoring that can occur when extreme pressure situations exist
EPA	Environmental Protection Agency (USA)
EPROM	Erasable Programmable Read Only Memory
ESC	Electronic Spark Control
EST	Electronic Spark Timing
GWAR	Gross Axle Weight Rating
GAWR	Gross Axle Weight Rating
GLx	Gear Lubricant Service Application (quality rating) that is set by the American Gear Manufacturers Association (AGMA)

GPM	Gallons per Minute is an output flow rating or measurement for oil pumps or hydraulic pumps
GVW	Gross Vehicle Weight
GVWR	Gross Vehicle Weight Rating
HET	Heavy Equipment Technician
HFC-134a	Same as R-134a automotive refrigerant
HOS	Heated Oxygen Sensor
IAC	Idle Air Control

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