SHORT GLOSSARY of Abbreviations		
This is given here as an aid to following the text. A full Glossary is given in Ar		
	ndix 1 Line No	<u>).</u>
B = Bore mm ; S = Stroke mm ; V = Total Swept Volume cc (or L).	18,19,57.	
VIA = Included Angle between Valve stems if OHV (see below) Degrees .	23	
R = Compression Ratio (volumetric).	17	
PA = Total Piston Area sq. cm.	55	
IVD = Inlet Valve Head Diameter mm .	24	
IVA = Total Inlet Valve-Head Area sq. cm.	58	
CRL = Connecting-Rod Length between centres mm .	37	
OHV = Overhead Valves (PR = Push-Rod actuated). OHC = Overhead Camshaft (per bank if Vee or Flat configuration); S = Single; D = Double.		
NA = Normally Aspirated.		
PC = Pressure Charged; MSC = Mechanically Supercharged;		
TC = TurboCharged.		
IVP = Inlet Charge Pressure at inlet valve ATA (Atmospheres Absolute)	44	
(1 ATA = 14.696 psi).	77	
MDR = Manifold Density Ratio, relative to ambient density at	45	
Standard Temperature and Pressure (15°C & 14.696 psi).	73	
Standard Temperature and Tressure (15 C & 14.070 psi).		
PP = Peak Power* HP (BHP wherever this is certain, dividing known CV or PS NP = Crank rotational speed @ PP RPM . * May unknowingly be a Rated Power @ Rated RPM below NP. Where known shown as PR @ NR.	by 1.01387).	49 50
TP = Peak Torque lb ft	51	
NT = Crank rotational speed @ TP RPM .	52	
DMDD Dwd Men Effection Decrees (DMED) of DD Decree	7.4	
BMPP = Brake Mean Effective Pressure (BMEP) at PP Bar	74	
$(1 \text{ Bar} = 10^5 \text{ Newtons/s})$	q, cm	
= 14.503 psi)	79	
BMPA = BMPP Adjusted to R = 12 by Air Standard Efficiency ratio		
and to Petrol if fuel is largely Alcohol by dividing by 1.12 for Na (when MSC alcohol adjustment is within MDR calculation). Ba	•	
BMTP = BMEP at NT Bar	76	
BMTA = BMTP adjusted as for BMPP to BMPA Bar .	82	
DivitA - Diviti adjusted as for Diviti to Divit A Dat.	02	
MPSP = Mean Piston Speed @ NP $metres/sec = (2 \times S \times NP)/60,000 $ (m/s x 196.85 = ft/min).	73	
DND - Doro Cross d @ ND m/a - (D + ND)/60,000	06	
BNP = Bore Speed @ NP $\mathbf{m/s} = (B \times NP)/60,000$	96	
	97 m	
MGVP = Mean Gas Velocity @ NP m/s = (PA/IVA) x MPSP	94	

W = Weight (Basic Dry, excluding exhaust system; also excludes intercoolers for TC) (other definitions vary) kg. 124

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