

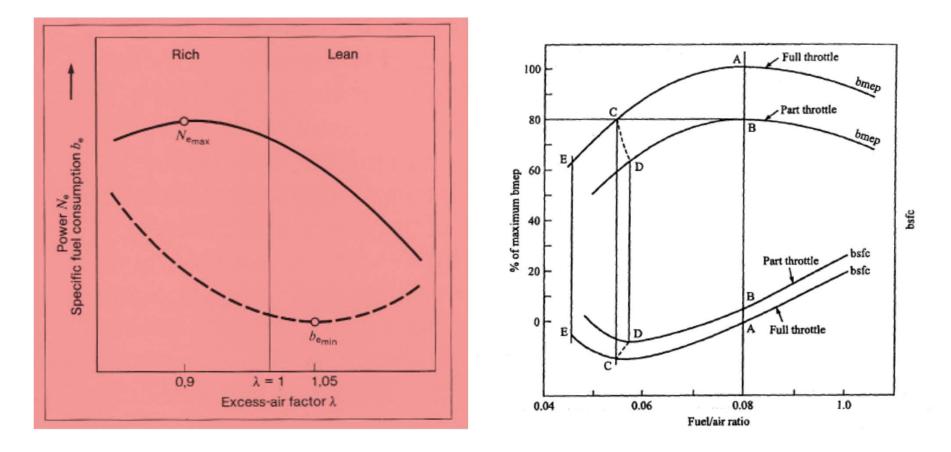
MAK 3031- Internal Combustion Engines

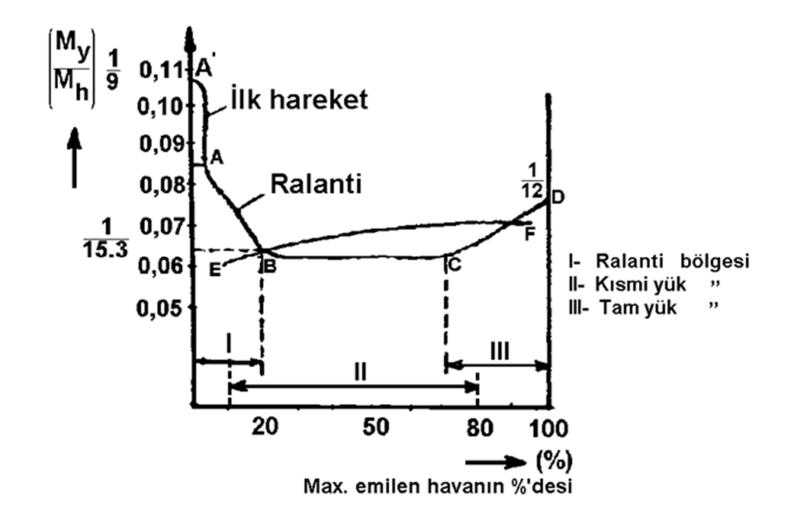
Asst. Prof. Dr. Levent YÜKSEK Yıldız Technical University-Automotive Sub-Division Internal Combustion Engine Laboratory Stoichiometry calculation C₈H₁₈=12*8+18*1=114 kg

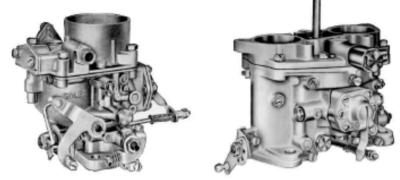
Req. Air= $(n+m/4)^*(O_2+3.76N_2)$ kg

Req. Air=(8+18/4)*(O₂+3.76N₂) kg Req. Air=(12.5)*(32+3.76*28) =1716 kg

AFR=114/1716=1/15.05

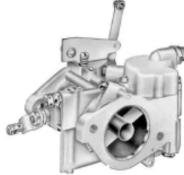






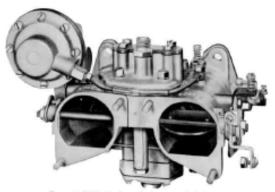
Type 32 PAATI (Dual-port Downdraught Carburetor) Type 40 Pil-4 (Dual-port Downdraught Carburetor)



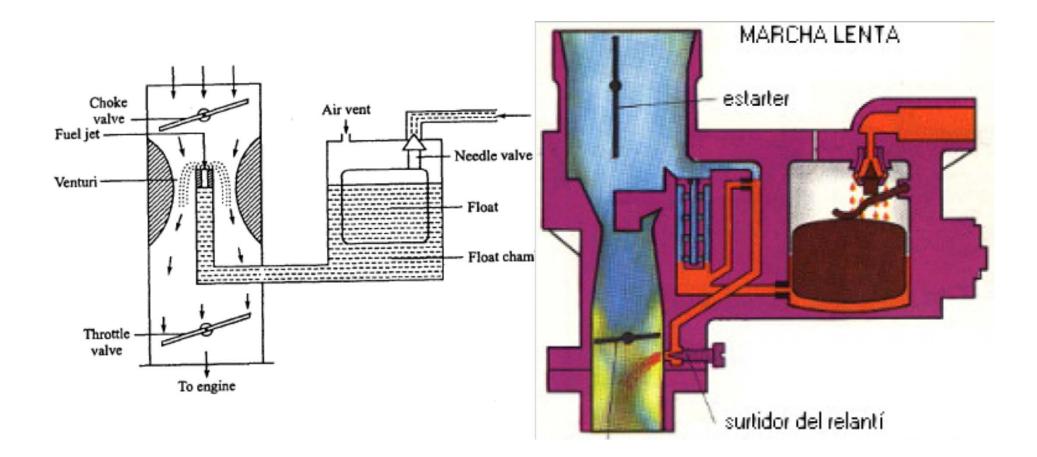


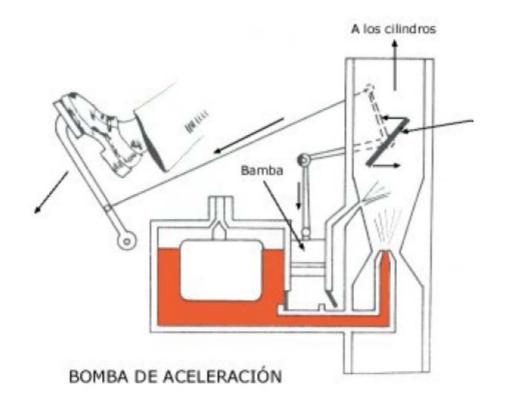
Type 32 HR (Morizontal Carburetor)

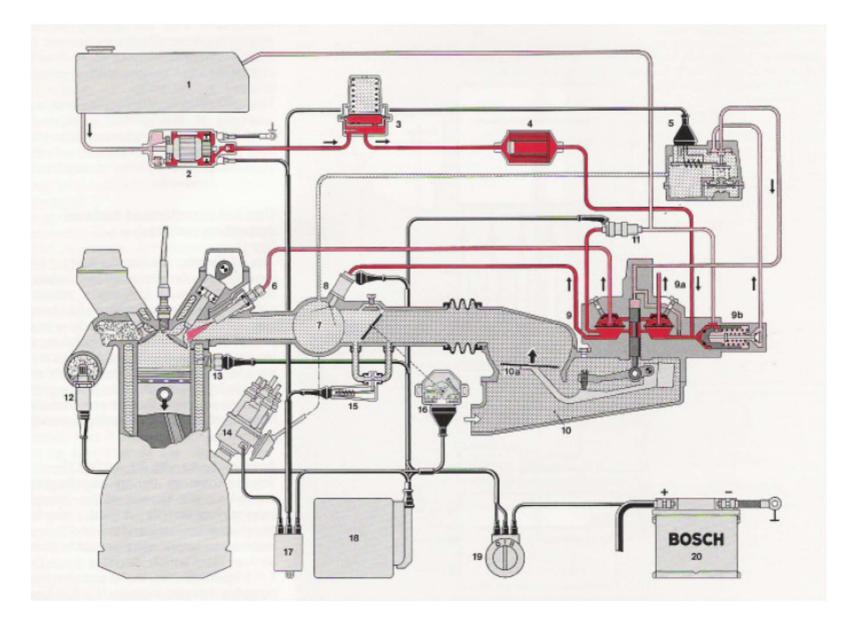
Type 44 MR (Marizantal Carburetor)

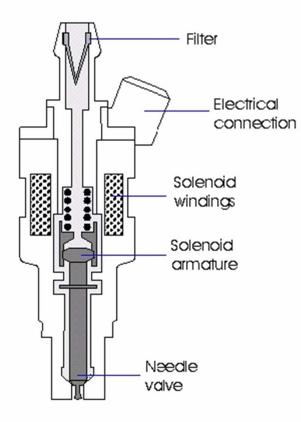


Type 44 PHH (Horizontal Compound Carburetor)



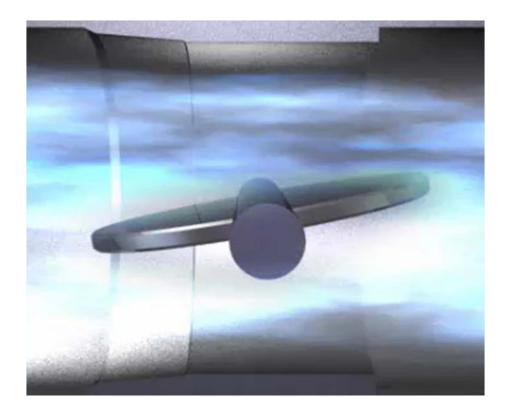


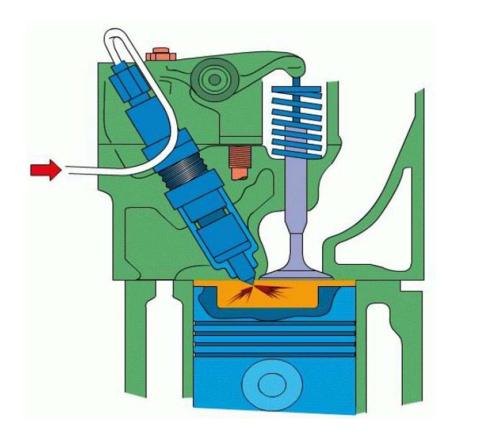


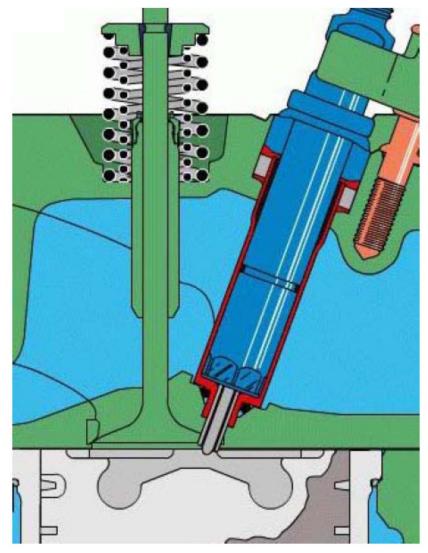






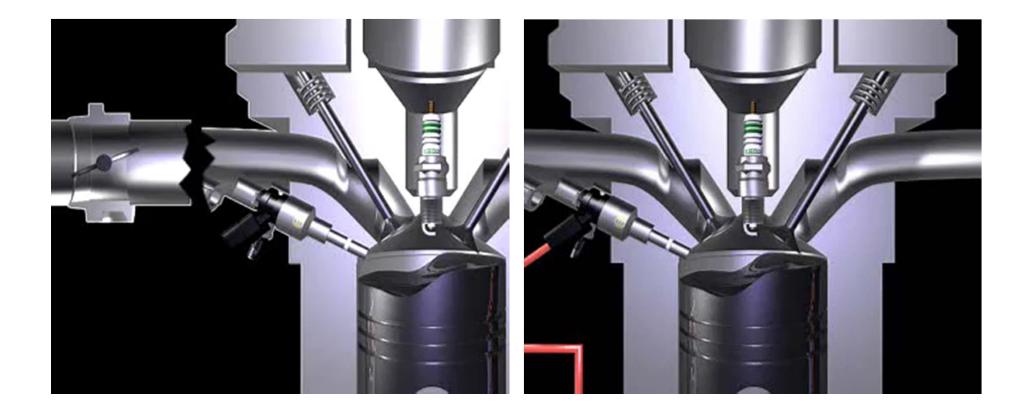






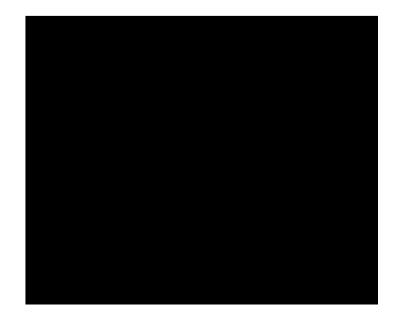








Week-13/ Engine Sub-systems



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