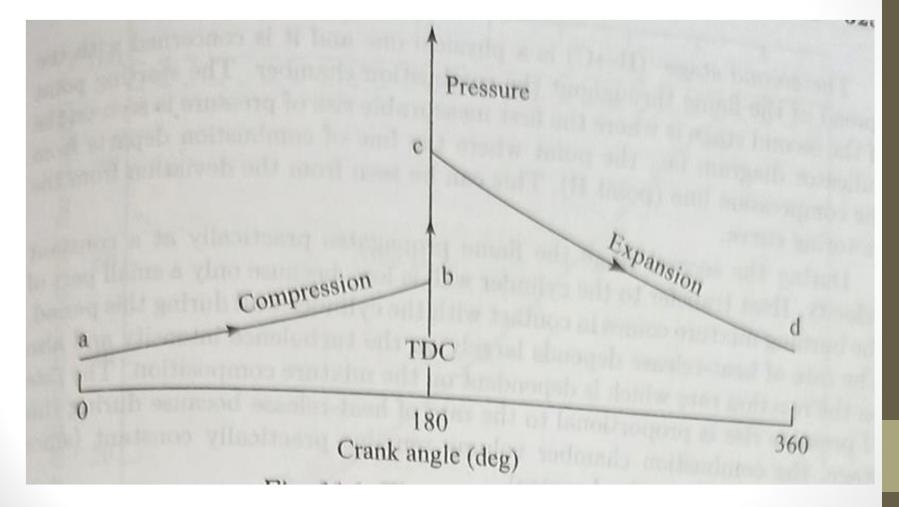
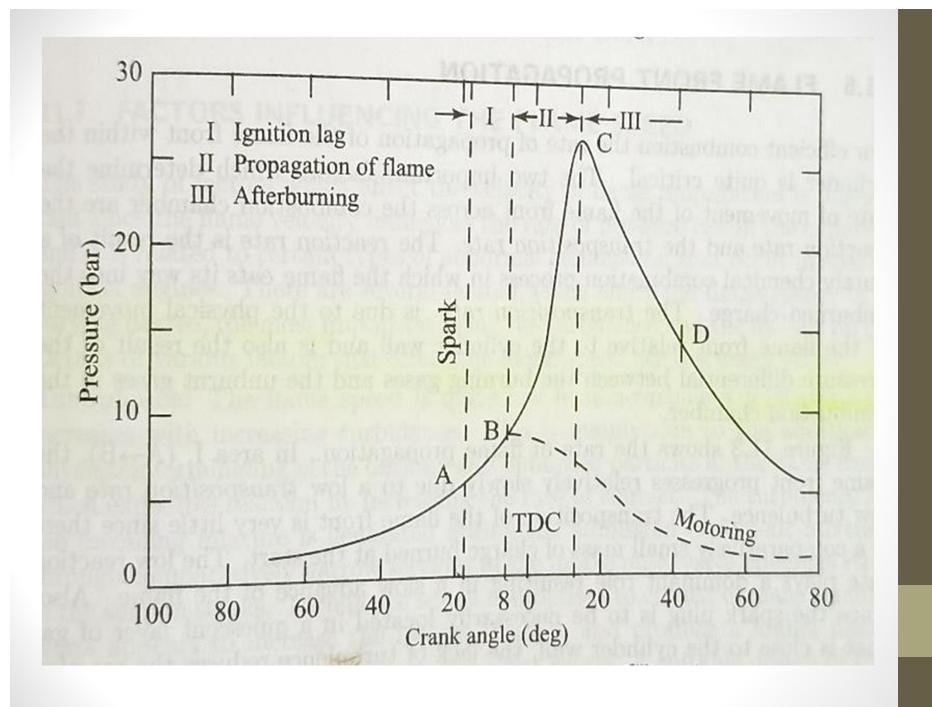


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Stage of combustion in SI engine





Point A is It ignition of spark it is generally 20° BTDC, point Bis the Point at which begning of Prusine rise con be detected. it is generally 2°BIDC. Point custhe Aterment of peak Parme, AB is first stage of combustion. BC is the Second stage of combustion AB is called ignition lag or preperation of Flome Phare in which the growth K decre development of self propagation nucleus of Flame take Place. This chemical Process depending upon both comp & Bussure, BC is concerned with the spread of Flam Invought the combuitron chamber, m Elame groth

in CD & the Elame velocity decreases during this stage. The vale of combuttoon becomer Low due to cover flome whiley and reduced Elame pront surface. Since the Expension stroke starts bef this stage of combaction, there can be Some omound of full an present of times during this stage. Normal , could am present of times during Expension Normal , could imming is called after burning.