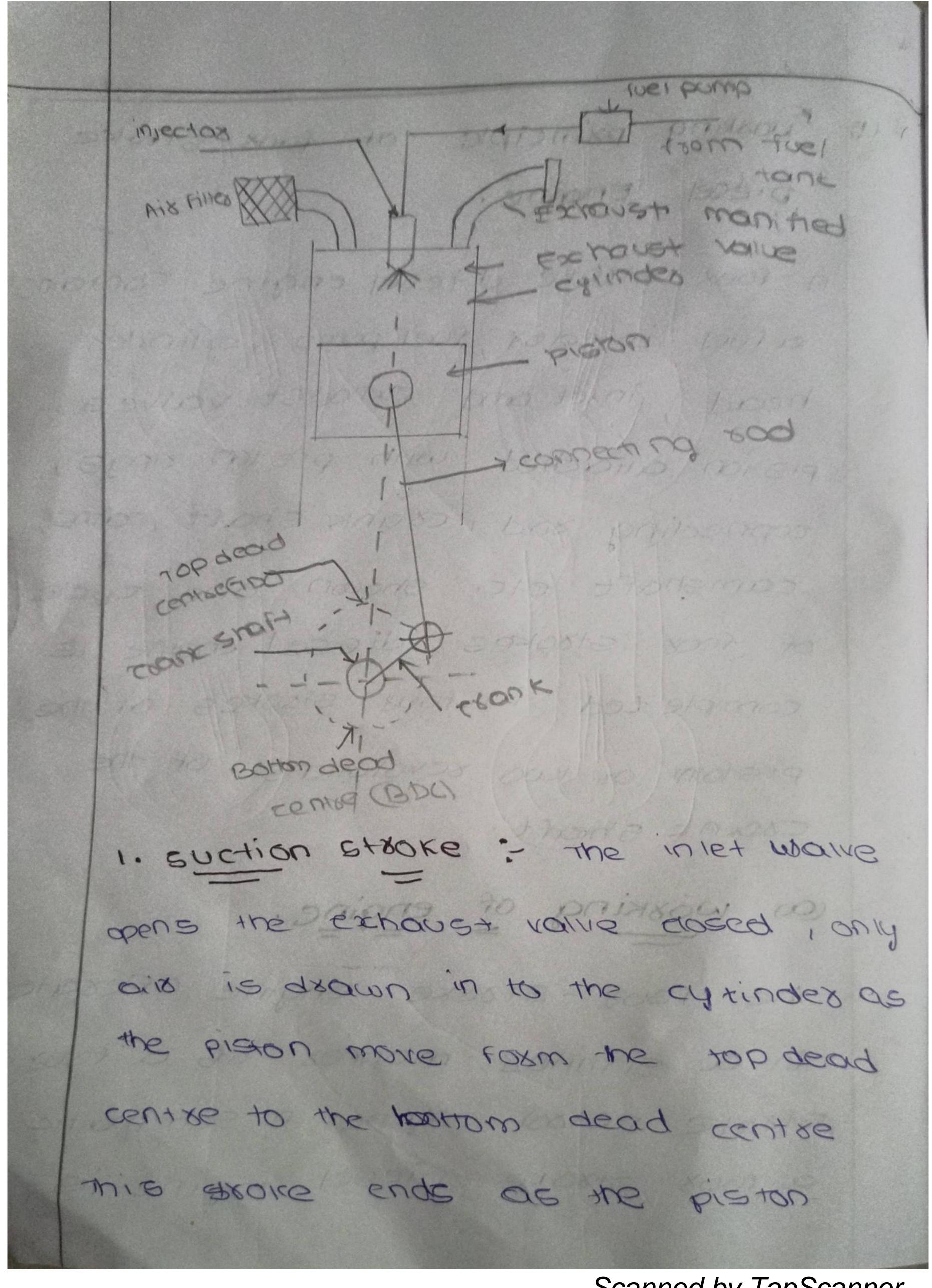
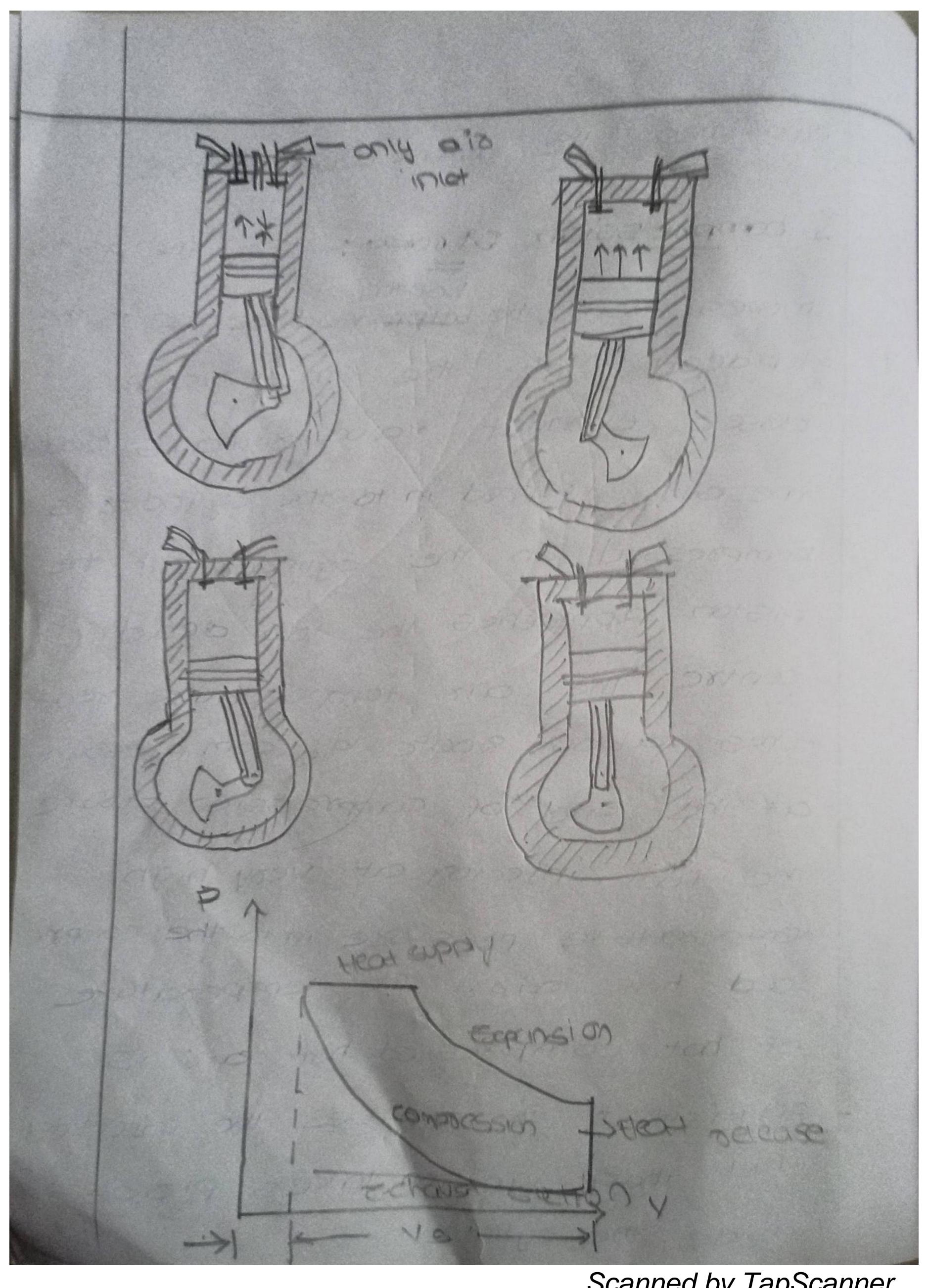
o Foosking principle of food stroke piesel Engine. a room stroke diesel engine contains aruel injectos, foel pomp, cylindes head, inter and exhaust values, bieva anoched min bieva ende" connecting sod, cook shaft, come, comenatt eic. snown one cycle of fork strokes diesel engine is completed in four shores of the bregow or and renothing of wis coont shall. on mosking of eviding. we tons - sisoke endure obegaics in a similar mouner of a long stroke retail engine a schemotic of a rous ensore piesel



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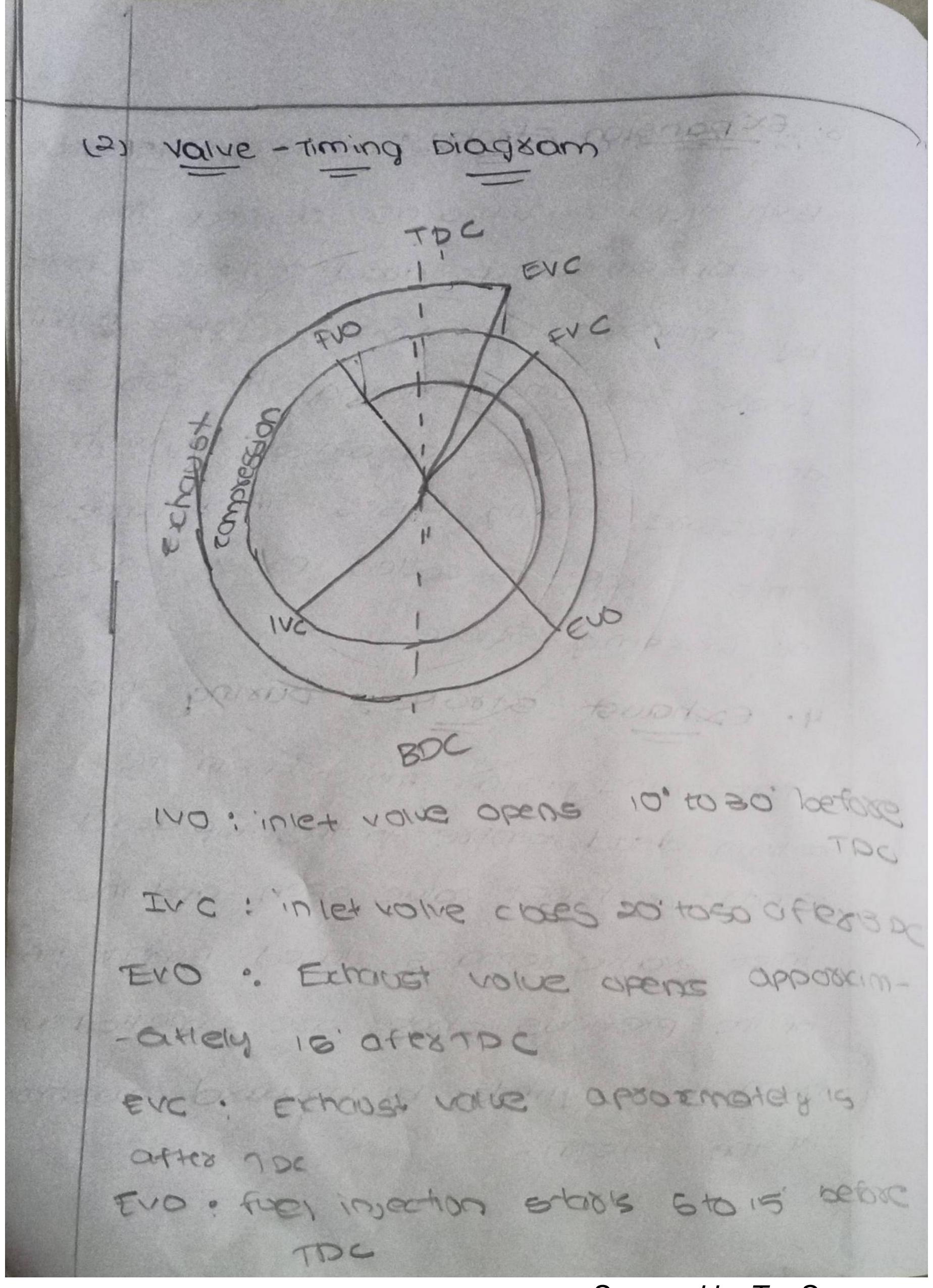
the posters dood centure 2. compression stroke: As the psto moves from the battandead centre to the topdead course ithe infet none closes, exhaust value remains dosed me aix trapped in to the cylinder s compressed in the cylinder till the biston abbroches the tob acaq ceutre. The oir temperature rea--cres about 800°C by compression at the end of compression starte the tiver injected at next high respessatione pressure into the compre -sed hot air. The temperature of hot compressed hot air is sofficient to ingrite the injected foel Thus ignition takes place inside me cylindes

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S. Expansion stacks . Dome wis stack poll house seweive appear we present of the 19P dead centre is provi as extension of priving doses. waren wask is optoined downs the stocke doe to the force antoined by high pressive boxing gases. mexetoxe, mis stacks is colled bonds exporce or morking stroke. 4. Exhaust stocks: Duxing this stroke, the piston moves from the potton gread couples to the tob grad souther texhoost name open and me whet raws remaine gaseg. Brown dass of the beginns stake are expelled at team the chinges ph abrassa washing at the bieta.



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TVC: feel injection stops 15' to 25' after

the oretically, the inlet and exhaust volue open at dead exhaus as shown in fig a typical value - timing diagram for a cour shole plessel engine is crown in fig 1.19

a Applications

The four - stock diecel engine is and at the most popular Paine month is a most to lose min to lose min cylindex boxe with speeds xonging from los open and to 4500 xpm It has wide applications some of these are

a. constaution mathinesy.

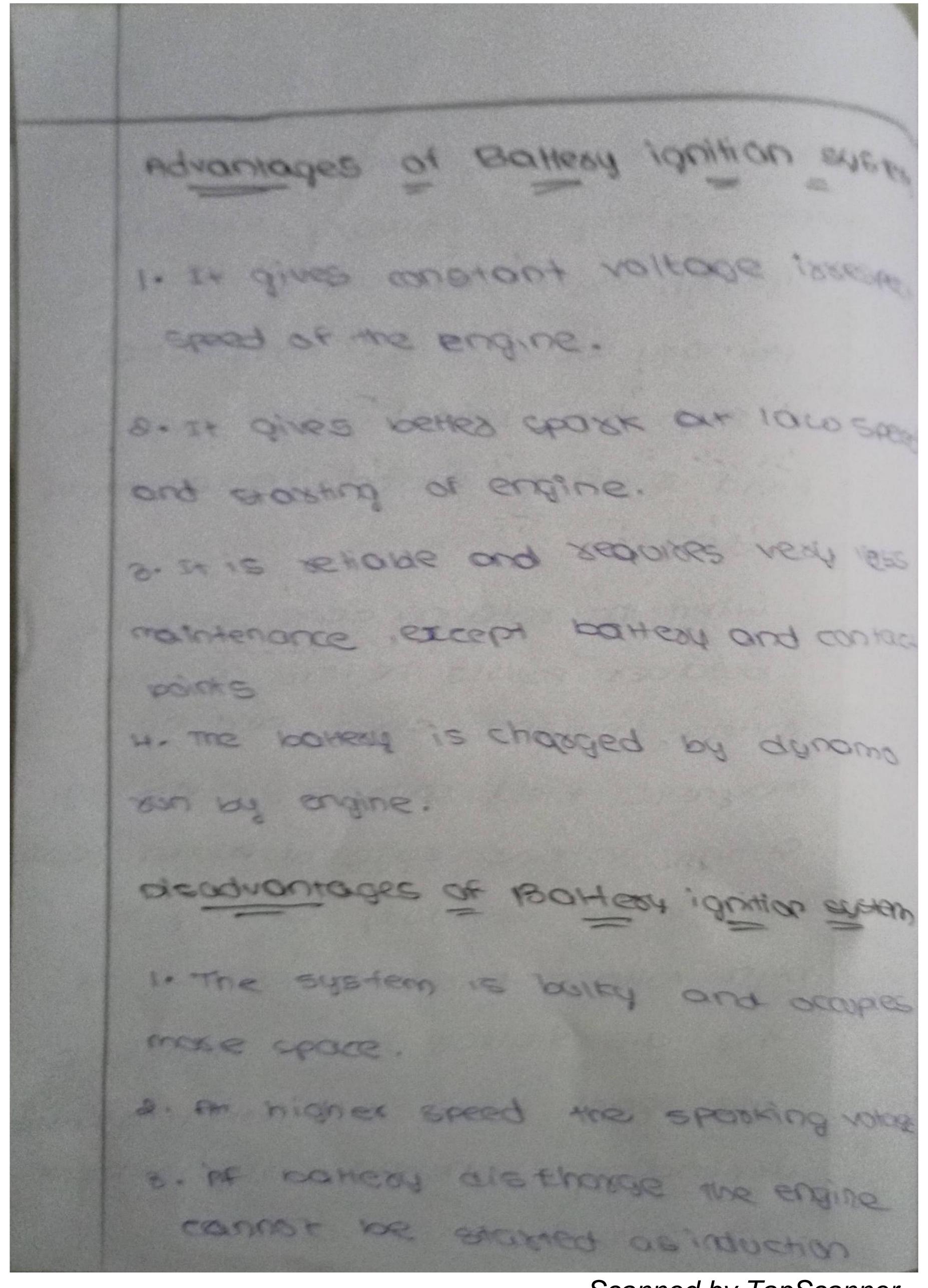
a pix compression and draining in 11-1201002 JEEBS 1 CORE 1 100162 1 1008 IMICKE". B- DECELL - GIECIBIC IOCOUNTINES P. Emall Eories blowte 'wopils electric decesation blaute a. Bare and ships 8. Lanes earne Bolgosess 'touke 6+6 3. Brisite about partier is vision (08) maduetic iduition earthou soit battery ignition system the bottery ignition system is show The bottery is used as a source of electric everall . When the ignition energy romed on and the rotating

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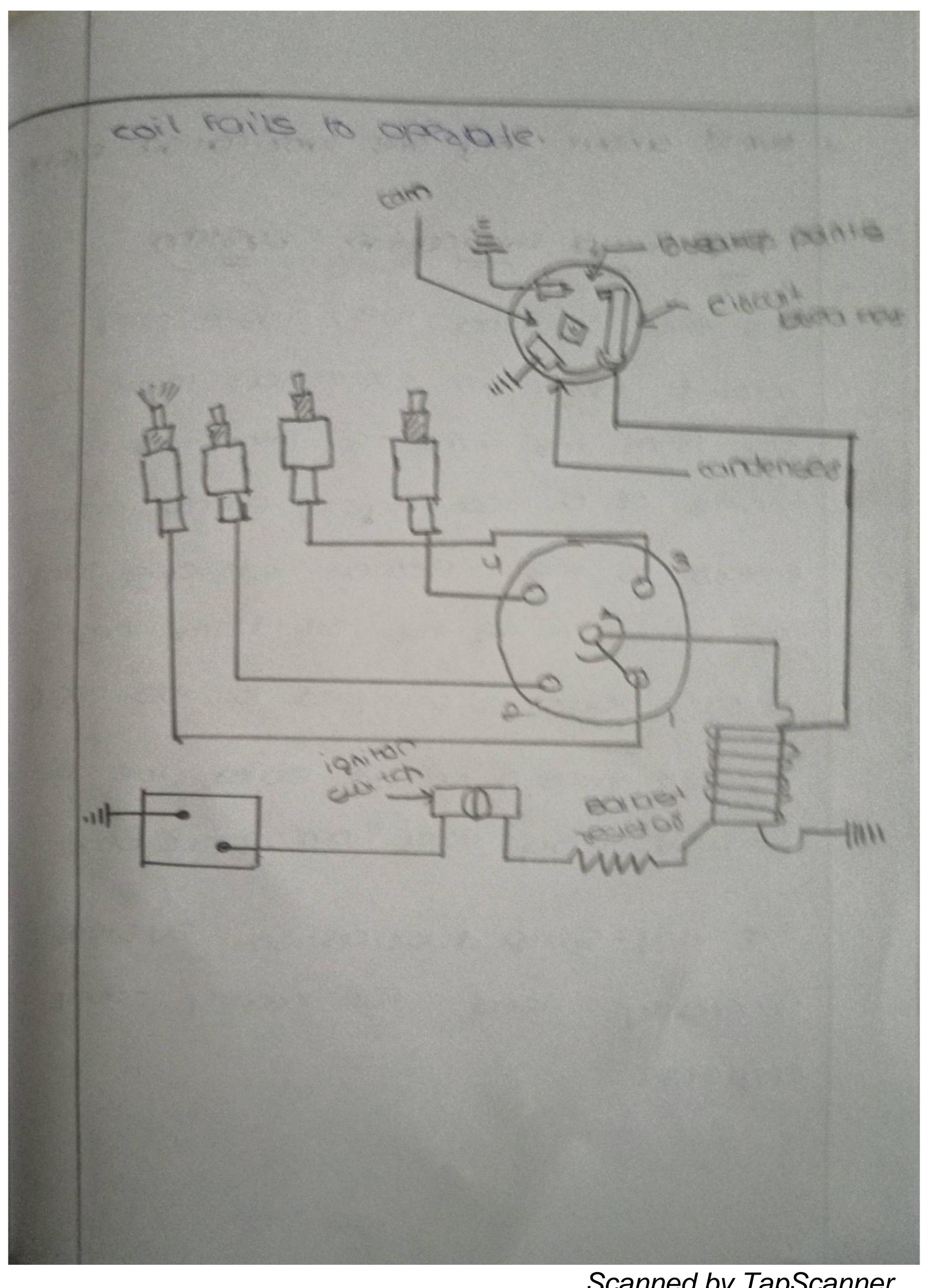
toute or ream consecut traver traver the boattery in beings minging through the ignition switch , and the esimosy wasisavit is completed through the growed me magnetic tield is set ab oxang the secondary sinding. much some some above the posedies bounts the tion at 1000witack causeut exobe and we worker tield comobses insparing a tigh -nortage saids of about some with finding food secondary winding this high nothands ensuent wasses to the distribourds which commerts

que shout his in consect sedans

the engine



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a basise about and one inposication ed DAN-Enulo rapsycotyon energe an this energy, the oil eathly is cooked town on external laws He oil from the sump is Formipped by means of a scavenging fromp through titless to the external storage tank as exporm in ties ins oil , 4 som ins statage tank is pumped to the engin chinges woods on oil coojes. we oil Escanse word nard your 8408 pas the day-samp dologication sustems devesored read for heavy - 41 engines.

