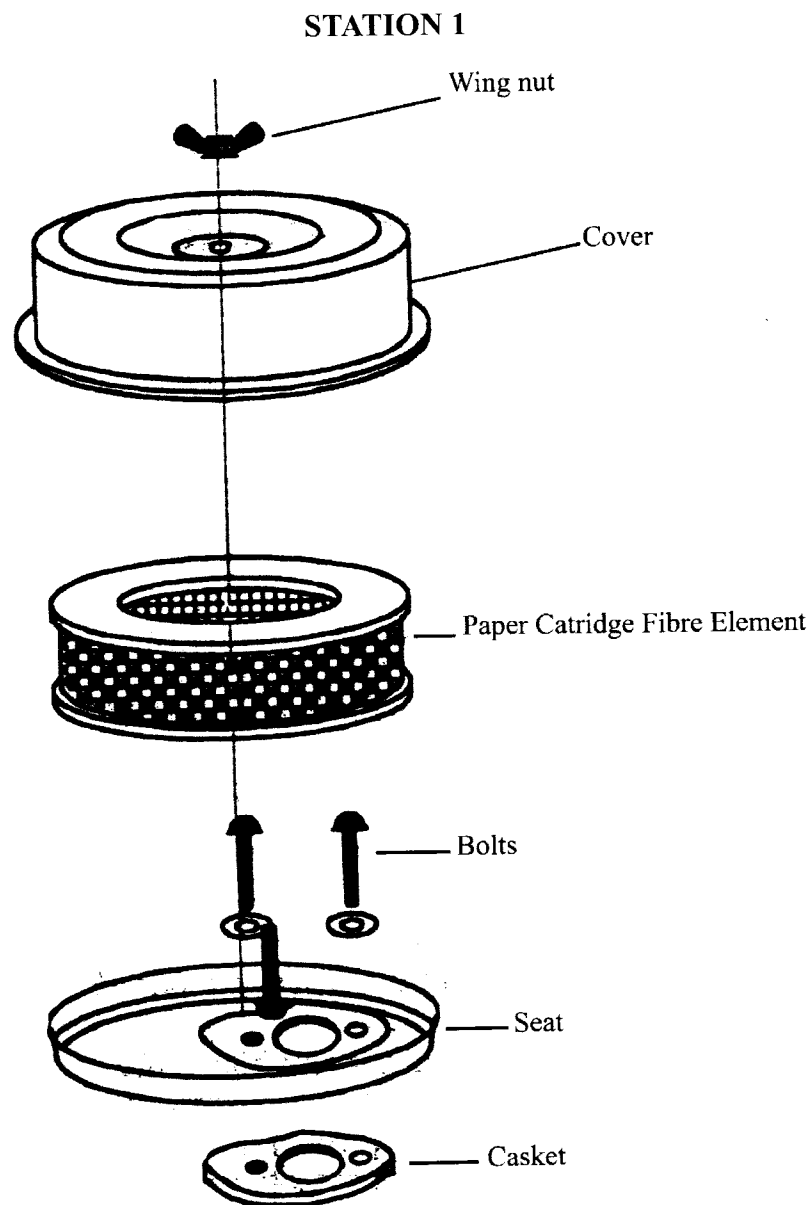


4.19.2 Power Mechanics Paper 2 (447/2)



Drawing 6 parts = $6 \times 1 = 6$
Labelling $4 \times \frac{1}{2} = 2$
Neatness = 1
Proportionality = 1
TOTAL **10 marks**

STATION 3

PART	NAME	DEFECT	CAUSE
A	Carburetor Bowl	Fuel	- Reserving the fuel in the carburetor
B	Oil scoop or slinger	Lubrication	Splashes oil to cylinder walls and piston pin area.
C	Blower Housing	Cooling	Directs air around the fins for cooling.
D	Condenser	Ignition	Prevents CB points from arcing
E	Exhaust silencer	Exhaust	Silences and expels exhaust gases as they leave the engine.
	$5 \times \frac{1}{2} = 2\frac{1}{2}$	$5 \times \frac{1}{2} = 2\frac{1}{2}$	$5 \times 1 = 5$

STATION 4

	FAULT	Effect	Remedy
i.	No fuel in tank. (1)	Engine will not start.	Refill the tank.
ii.	HT lead not connected to spark plug. (2)	No current flow engine will not start.	Connect HT to plug.
iii.	No rope for recoil starter. (3)	No means of starting engine.	Fix the rope for starter.
iv.	Low level of lubricant. (4)	Engine will overheat or seize.	Top up oil.
v.	No air deflector. (5)	Engine may overheat.	Fix the air deflector.

STATION 6

LABEL	ITEM	USE
G	Tap	Cuts internal threads.
H	Stud extractor	Extracts broken studs.
J	Flex socket	Tightens nuts in restricted areas.
K	Stubby screwdriver	For light screwing work.
L	Pipe wrench	For tightening and loosening pipes.
M	Brake fluid	To transmit force in brake and clutch systems.
N	Lapping paste	To lap valve face and seat.
P	Diesel	Used as fuel in C.I engines.
Q	Paint	Used in vehicle body for beauty and protection.
R	Silicone	Used as sealant in cooling system.