

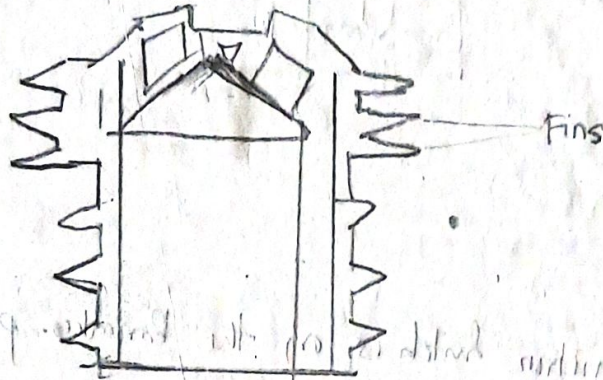
Cooling System

The maximum temperature attained inside the engine cylinder is in the range of 2000°C to 2500°C . The large amount of heat so produced is absorbed by the cylinder walls, piston, cylinder head and engine valves.

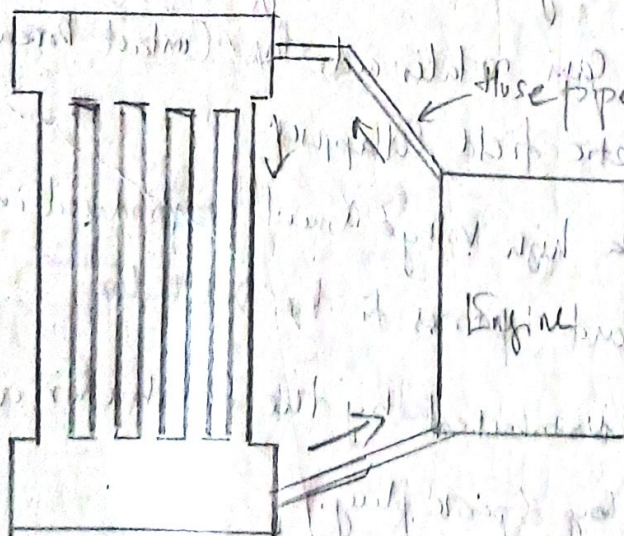
Methods

- (i) Air Cooling.
- (ii) Water Cooling.

i) Air Cooling



ii) Water Cooling



Air Cooling

- > The two stroke engines are provided by air cooling
- > Find one extended surface used for extended area where effective cooling is done.
- > In two wheeler, Air cooler is introduced.

Water cooling

(1) Natural cooling & Thermosyphon system

- > A pump is used to circulate the water or by natural circulation
- > Heat is extracted by water through water jackets and returns to the radiator.
- > Air is used for cooling the water from the engine and the cold water is recirculated to the engine
- > Thermostat is used