



On the topic: "engines aircraft"

Aircraft engine – is the core of the installation, which is used to produce thrust, which LA moves in space.



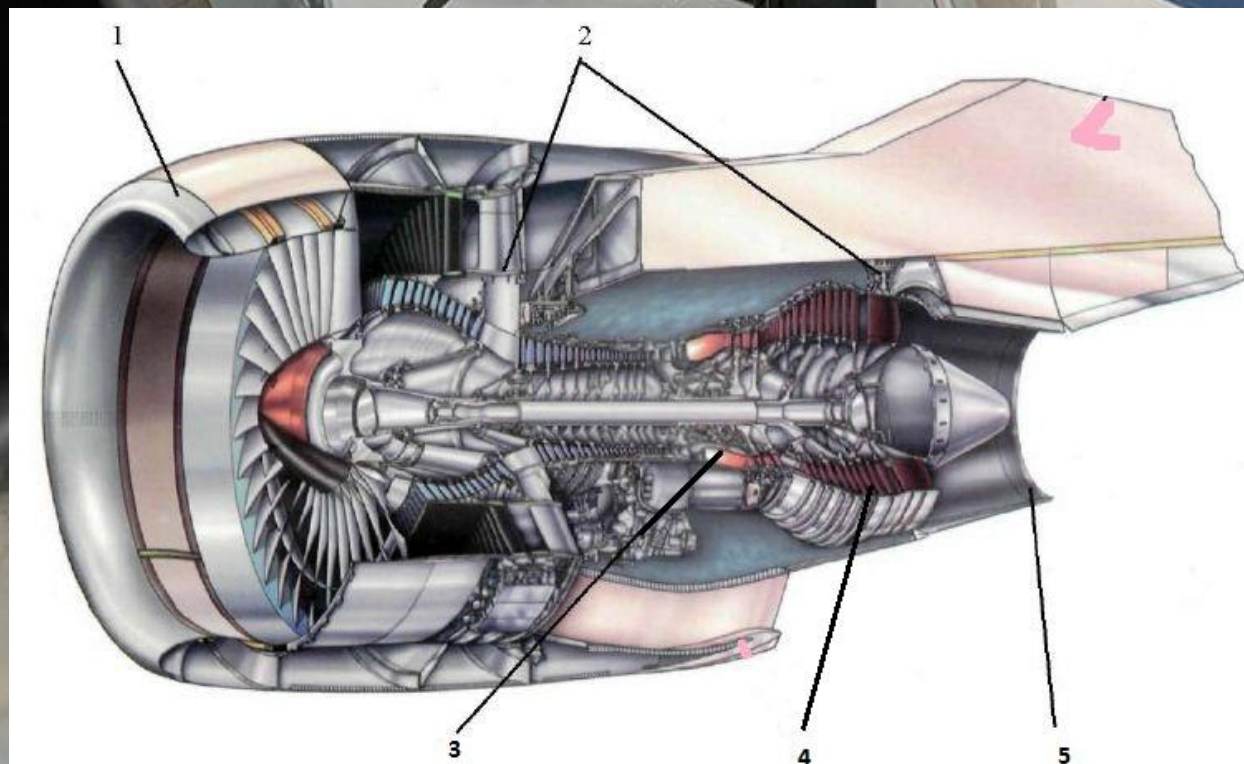
Aircraft propulsion system (ACS), except the engine includes a propulsor and systems and devices, (fuel, anti-icing system, pumps and etc) providing operation of the engine.



Engine – device that converts chemical energy of a fuel to mechanical work on the shaft .

ОСНОВНЫЕ ЭЛЕМЕНТЫ ДВИГАТЕЛЯ

1. Air intake;
2. The compressor
3. Combustion chamber;
4. Gas turbine;
5. Jet nozzle;



The COMPRESSOR

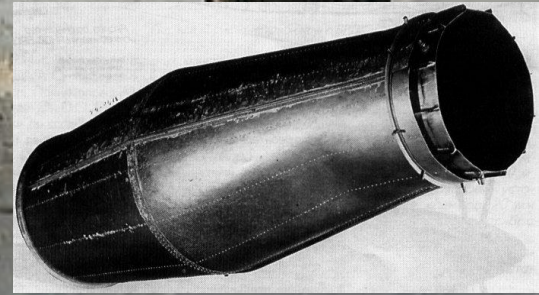
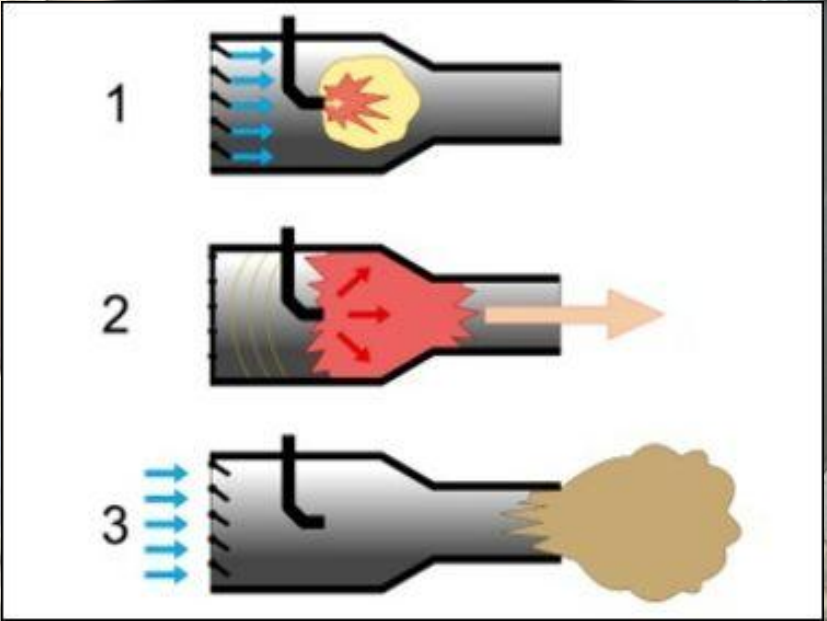
The compressor is a vane machine, in which by the mechanical compression of air flowing in the combustion chamber.



THE COMBUSTION CHAMBER

The combustion chamber volume formed by the set of parts of the engine in which the combustion of the combustible a mixture or solid fuel.

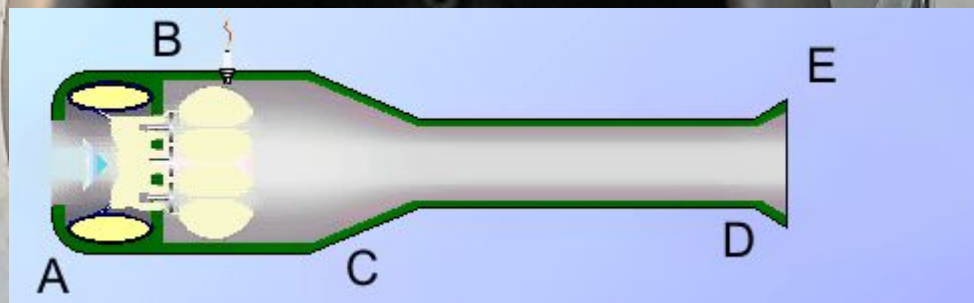
The principle of operation of the combustion chamber



GENERAL INFORMATION ABOUT COMBUSTION CHAMBER

The combustion chambers are intermittent continuous operation.

periodic action



continuous

