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CARBURETTOR AND ITS TYPE



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CARBURETTOR:

The process of preparing an air-fuel mixture away from the cylinders of an engine is called carburetion and the device in which this process takes place is called carburettor.



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Function of Carburettor:

The main functions of the carburettor are:

- (i) To mix the air and fuel thoroughly
- (ii) To atomise the fuel
- (iii) To regulate the air-fuel ratio at different speeds and loads
- (iv) To supply correct amount of mixture at different speeds and loads



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Classification of carburettor

On the basis of ways of mounting the carburettor on the engine body it may be divided into two classes:



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Downdraft carburettor

It is mounted above the intake manifold of the engine, so that the air enters the upper part of the carburettor and the mixture flows downward into the manifold.

These are used mostly on automobiles, trucks and stationary engine.



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Updraft carburettor

It is mounted below or beside the engine block and the mixture flows upward into the engine.