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## ***This is termed as “Maintenance”***

*Caring for them can be of different ways. Some of the cares are to be done every moment and some of the care is to be done in a day and other are to be taken from time to time. Thus auto vehicle maintenance requires time bound attention.*

## ***This is “Periodic Maintenance”***

*In spite of so many cares taken, a growing child may fall ill and get Viral. The cause of Viral, its effects and the nature of disease is analysed by the doctor. The doctor may do some tests to check-out what the problem is and to know the reason due to which the child got ill. The way and the mode of finding the trouble cause are termed as “Trouble Diagnosing”. In the same way some diagnosis is done with the automobile too. This may be done on engine and other systems of the automobile. Some tests may include engine testing, brake testing, lubrication testing, etc.*

*The ill child would be advised to take rest and take medicines on time and follow some instructions given by doctor to overcome his illness and come back to his normal state. Similarly, the automobile is also given some remedies to remove the troubles in them.*

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## ***This is known as “Servicing” of the automobile.***

*Some systems are readjusted to regain its original settings. This is “Tuning or Tune-up”. An example of tune-up is tuning of a carburettor.*

*The illness of the child may be severe so he/she may be hospitalized and requirement of a surgical operation may persist. So in the same manner an automobile is also required to be taken to a workshop or service station where it's some parts such as engine are to be dismantled to make it work efficiently without any problem or trouble.*

## ***This is termed as “repairing”***

*The child grows gradually and becomes older and older with time and attains old age. An old man requires getting regular check-ups from doctor and the dosage of medicine also increases simultaneously. Same is with automobiles, i.e. an old automobile requires more maintenance as it develops more troubles and thus more tuning and servicing is required.*

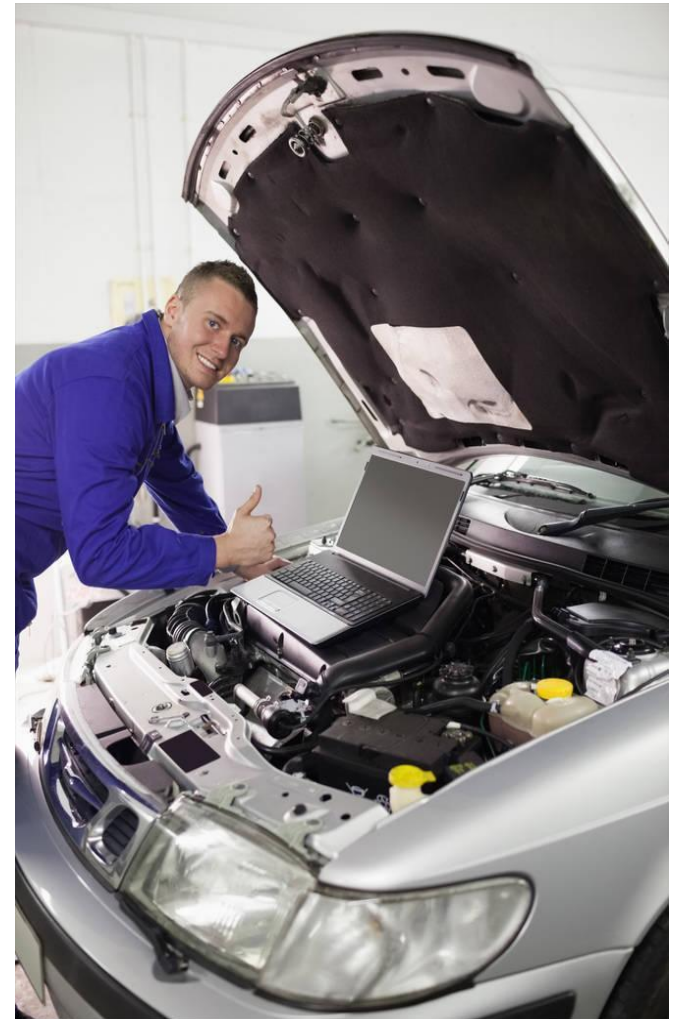


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## **How to Maintain Your Car ?**

*A newly bought car is like a newly born child.*

*Both need a lot of care in their day to day*



*There is non-periodic maintenance too and this is breakdown maintenance which is to be done only when the trouble is encountered in the automobile or its engine.*



*Then the doom day comes and then the old age person doesn't require any doctor's prescription and dies. The last step is incriminating its physical existence. Similarly the old vehicle meets the last day when its parts are unable to be repair and it is then termed as condemned and it loses its existence and goes off the road.*

### ***Maintenance can be practiced in two ways:***

*One is to take proper measures so that the troubles do not even arise. Other is by proper servicing and repairs so that all components function well. The former kind adopts preventive measures while the later one utilizes breakdown measures.*

*Thus, the maintenance is classified in following two types:*

#### ***Preventive Measures***

##### ***Breakdown or Servicing Measures***

*In preventive measures the complete check-up of the automobile is done and this is invariably required after a certain interval. The suitable period of check-up is set-up by the manufacturers and such checks detect and prevent the initiation of the trouble before they even start. Thus the need of dismantling the part does not arise in periodic maintenance.*

*In this the dismantling of the engine or parts is required so that they can be serviced and repaired properly. Periodic servicing of the automobile is required after due date or certain number of kilometres for the efficient working of the vehicle. In the absence of periodic servicing of the automobile the maintenance cost of the vehicle goes high and this can be lowered by periodic servicing at stipulated intervals and kilometres set up the manufacturing company of the automobile from where you have purchased the vehicle.*

### ***Daily Maintenance Measures:***

*Fuel tank should have sufficient fuel.  
Inflation in the tyres should be correct.  
Brakes should be in good condition.*



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## For cars:

All exterior lights and indicators are in working condition.

Mirrors and glasses are clean and don't have any scratches.

Automatic transmission indicator lines up next to gear selected.

Water jet should aim properly on the windscreen and wipers should be in correct position.

Demister operates well.

**Horn is working well without any fluctuations in frequency.**

Condition and operation of all seatbelts is satisfactory, buckles are clean and are in operating state. Remember that seat belts must not wear twisted.



## Some important Measures:

**Oil change intervals:** The oil must be changed after 10,000 kilometres (Maximum Service Interval).

This is based on the average car driving 10,000 kilometres in 6 months.

If the car has not driven 10,000 kilometres in six months then also the engine oil must be changed as it doesn't deteriorate during driving only but also over time.

**Carburettor Tuning:** The carburettor must be dismantled and then all the parts should be kept in a clean dish and then all parts are washed in pure petrol only. Blow-dry all the parts (except Float) with compressed air. The air should be blown opposite in direction of the fuel flow. Then inspect the following parts carefully:

**Float Pin:** A worn float pin must be replaced.

**Main Jet:** Inspect for clogging in the jet, if it persists then clear it by compressed air and if firm deposits are formed then clean it by dissolving it inside the Carbon-tetra-chloride solution.

**Float:** Handle float carefully and check whether it is punctured by inserting it in water, if punctured or leaking then replace it.

**Slow Running Adjusting Screw & Air Screw/Volume Control Screw:** Tight screw with care so that over-tightening does not persist.

**Throttle Slide:** Inspect for free sliding inside the mixing chamber slots. Check its wear and tear too.

Tighten all the carburettor fasteners with great care otherwise they may get damaged.

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## Weekly Maintenance Measures:

Check engine oil level.

Check engine coolant level.

Check brake fluid level.

Check power steering fluid level.

Check tyre air pressure.

Check battery condition.

Check clutch fluid level in case of vehicles having hydraulic clutches.

Monthly Maintenance Measures are:

Check automatic fluid transmission.

Check windshield fluid level.

