

Periodic engine tune-up is an important item in car care. Regular servicing of the auto engine keeps it in top running condition and results in minimum wear, maximum fuel mileage and greatly reduces repair costs

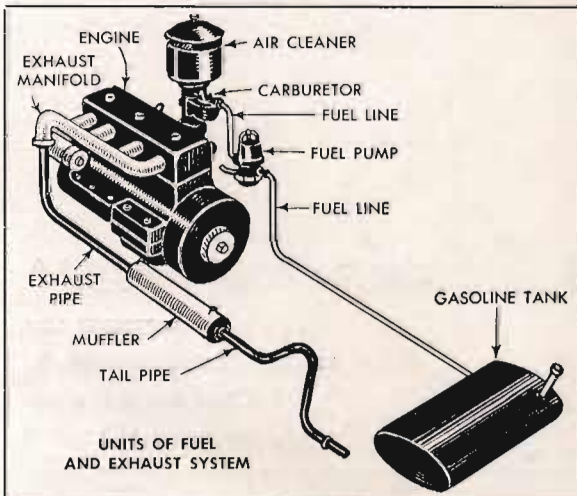
## Motor Tune-Up

TUNING UP an automobile engine isn't a difficult job nor does it require a vast assortment of tools. The average car owner can diagnose and remedy most engine trouble by just applying a little know-how.

To make an engine run at all it is necessary that it first get gas and then an igniting spark. The gasoline must reach the inside of the cylinder and the spark must be there at the proper instant to ignite the gas. If you have both, something is bound to happen, even though there is but one explosion.

If an engine is stalled and won't start

Related parts of the fuel and exhaust system. Gasoline must be vaporized, mixed with air before it can be exploded in cylinder



with just a few turns of the starting motor, chances are that there is something definitely out of order. If the ignition supplies a hot spark, the carburetor the right amount of gas mixture and everything else seems in good order, it should be as easy to start the engine on the second stroke as on the hundredth. Therefore it is better to find out the cause of the trouble than to turn the engine over and over until the battery runs down.

When attempting an engine tune-up, you should always try to figure out the possible cause of trouble before starting to adjust something that doesn't need adjustment. An adjustment should never be changed without a knowledge of why the change is to be made and the effect a change should have on the engine.

If the trouble is with the ignition, then start checking the spark plugs. Make sure they are clean, burning properly and that the points are spaced correctly. If the engine is still misfiring, follow the wiring from plugs to the distributor. See that these wires are not shorted and that connections are clean. Check the battery connections. Do not examine a spark plug and then leave it to make an adjustment on the carburetor and later come back to toy around the ignition. Follow one system straight through until the trouble has been found or it has been established to be in good order.