

ABSTRACT

The present work aims to strengthen the equipping of the specialty "Automotive Maintenance Engineering", presented as a solution to the lack of teaching materials, adapting carburetors to improve engine power four-stroke motorcycle, it will serve for teaching and learning of practical mechanics, aimed at students of our specialty, for good training and subsequent acquisition of skills needed in vocational training.

In addition to practical work, the importance of technological inputs such is the teaching and training of future professional, stating the importance of teaching resource and its benefits.

We describe the theoretical performance of Otto cycle engine and subsystems, among other circumstances, to understand the mission of each engine times, such as the admission of gasoline, the compression of the mixture, the explosion and then output (CO). As needed the right set of valves for a smooth operation.

The initial research project, the method is based on literature this implies that we must look to sources of information such as the internet, books, pamphlets, magazines, and then complement the project design.

Finally, we describe the steps to perform and the resources required to conclude that the main need is to implement educational resources for workshops and recommends a necessary involvement of the authorities regarding continued development of each and every one of the races. Since the proposal clearly developed the guide adjusting carburetors for each of the cylinders and the improvement of engine power four-stroke motorcycle, in which there is described step by step how to proceed with the adaptation