

Training workshop of electrical machine winding

Introduction

Training electrical motor technology and their usage in industries became more important as the operation of electrical machine is growing increasingly in heavy industries and home appliances.

To keep step with this aspect of modern industry, EEI intended to design and produce this training workshop.

This workshop consists of 11 training sets. Some of them have been shown in the following images:

Controlling apparatus of motor load



Trainee's workbench

Training set for teaching electrical machines with computer

Training workshop of electrical machine winding

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Industrial switches set



Sectioned induction motor



Demonstration model of motor winding



Set of training connection and fault finding motors



Set of training connection and fault finding of motor



Set of training revolving filed



Workbench for Electrical test of motors



Trolley for carrying the motor

Introduction

One of the fields that is very popular in vocational training is car repairing and maintenance. Realizing this need, EEI intended to design and produce this training workshop with 36 sets. Please take a look at some of the sets image in the pictures below.



Car air condition set



Set of injection motor of Peugeot 405 with its power transmission system



Sectioned gear box of Peugeot 405 set

○ Automobile repairing training workshop

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Set of hydraulic steering and suspension of Peugeot 405



Set of clutch and sectioned gear box of rear motive Peugeot 405



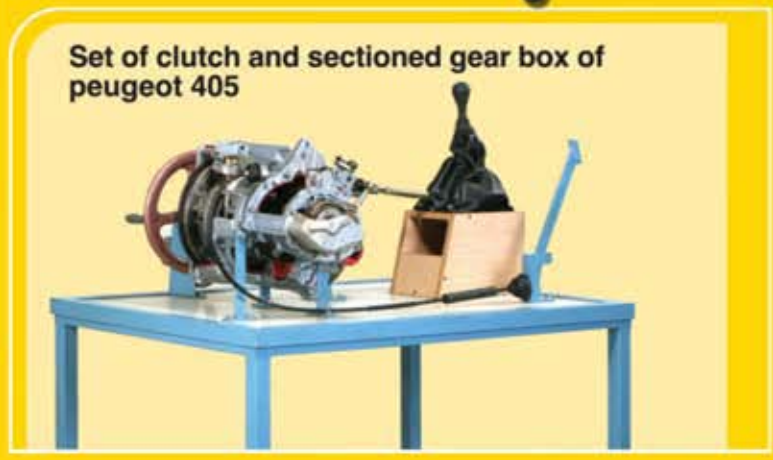
Sectioned differential and propeller shaft set



Peugeot 405 breaking system set



Workbench for car repairing



Set of clutch and sectioned gear box of peugeot 405

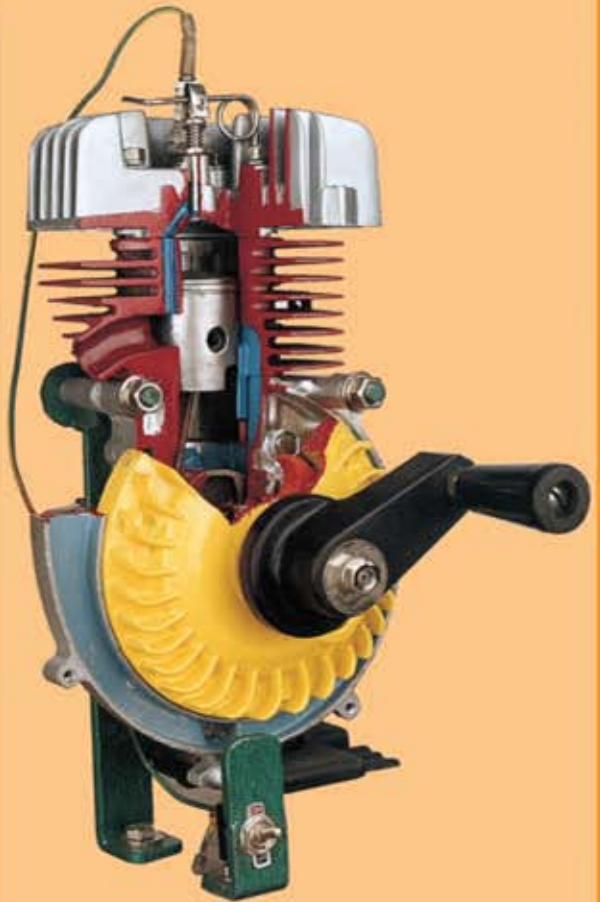
○ Motorcycle repairing training workshop

Introduction

The objective of designing and producing of this workshop is to make an actual atmosphere and equipment for trainees. On the other hand, EEI tried to make training time shorter for teachers and trainees and supply them with advance educational equipment.

Some of the workshop items are shown here.

Educational sectioned model of 2 - stroke engine



Educational sectioned model of 4 - stroke engine 125cc



Motorcycle repairing training workshop



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Educational sectioned model of 4-stroke engine and gear box of 125 cc motorcycle



Educational sectioned model of rear wheel of 4-stroke engine -125cc



Educational panel of 4-stroke 125 cc motorcycle electricity



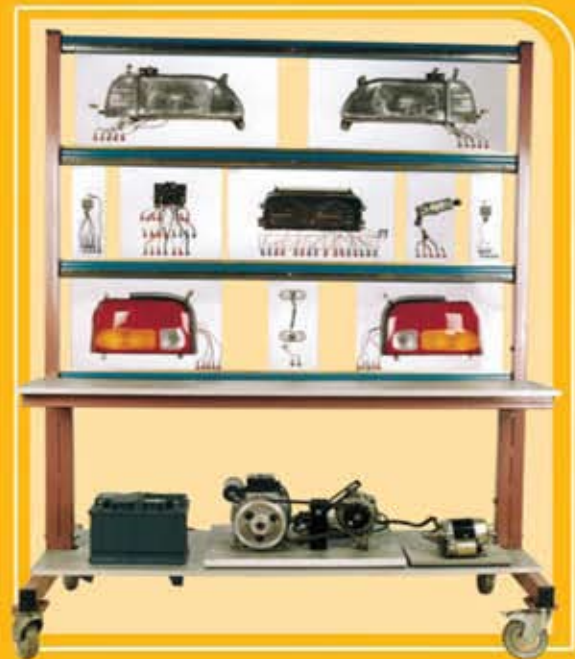
Handlebars and front wheel of 4-stroke 125 cc motorcycle



Introduction

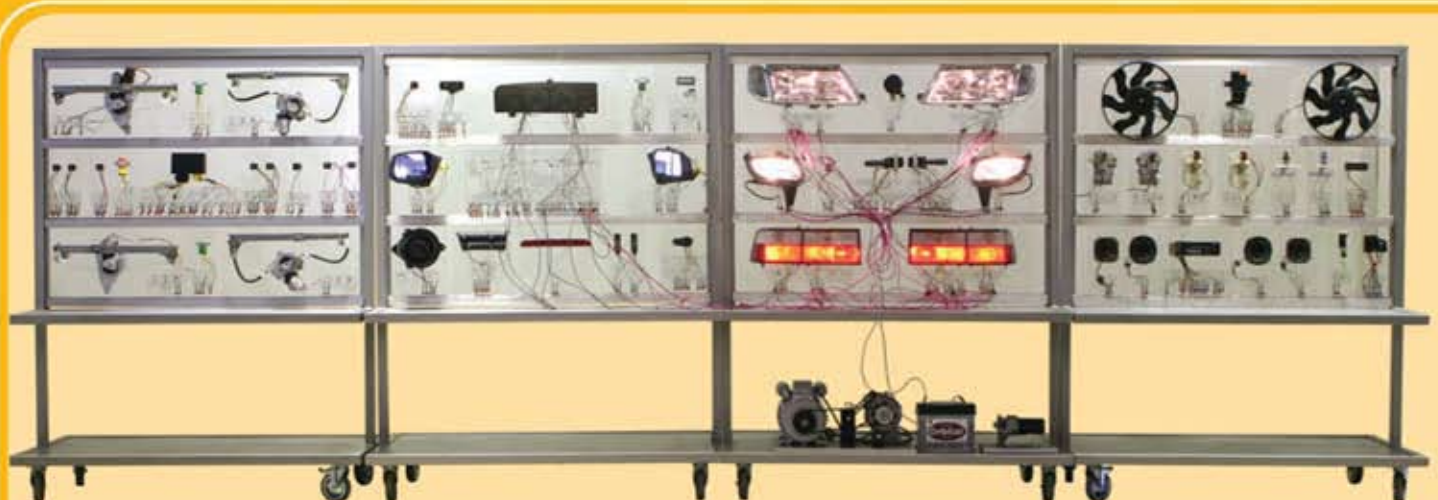
This workshop objectives follow the items below: understanding and reading the electronic circuits of automobiles, connecting the circuits and the electrical - electronic systems, defect finding skills, defect removal, electronic and electrical parts changing, repairing and maintenance of electrical circuit

This workshop has been designed, produced and supplied to educational centers with 8 educational sets. In the following, you can see some images of these sets.



Automobile electrical training set

Xantia electrical training set



Automobile electricity training workshop



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Automobile electrical training set



Automobile electrical training set



Tools drawer for automobile electrical set

Training panel for fueling system and sparking in Peugeot 405



Workbench for automobile electrical workshop

Automobile electrical training set



Introduction

This training workshop has been designed and produced for the theoretical teaching and practical training of the trainees in vocational training schools and specially farm machinery maintenance and repairing trainees.

Actual parts and equipment of farm machineries are applied in producing this workshop.

It consists of 12 training sets. Some images of this workshop are shown in the following pictures.

Sectioned piston pump



**6-unit revolving injection
pump panel with fuel filter
and injections**

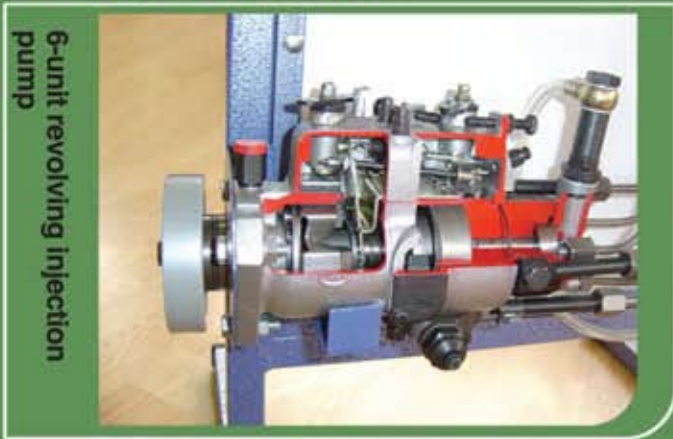


**4-unit lined injection pump panel
with fuel filter and injections**

○ Maintenance and repairing training workshop of farm machinery



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6-unit revolving injection pump



Tractor sectioned gear box with aid



Sectioned insecticides sprayer



Front axle and steering wheel of tractor



Sectioned engine of tractor (right view)

Introduction

Training equipment is installed in special buses in this project. These buses can be used as mobile workshops for training skills. They can go to any training centers in any cities where you need a workshop.

The training workshops which are ready to dispatch to educational centers are as follow:

Mobile workshop for training tailoring skills

Mobile workshop for training computer skills

Mobile workshop for training industrial and indoor electrical skill

Mobile workshop for training home appliances repairing skills

Mobile workshop for training automobile repairing skills

Some images of the workshops are shown in the following pages.

Mobile workshop for training tailoring skills



Mobile workshop for training skills

Mobile workshop for training computer skills



○ Mobile workshop for training skill



Wheel balance apparatus



Mobile workshop for training computer skills



Mobile workshop for training indoor electrical



Mobile workshop for training industrial and indoor electrical skills



Mobile workshop for training tailoring skills