



Front Axle Steering, Suspension, Brake & Tyres Mechanism Trainer Order Code : 32698 consists of a scale model front end vehicle that incorporates original and simulated parts in order to provide similar function as the automobile front end steering/ alignment system. The training model is built to demonstrate with ease the various angles and positions of the steering wheels as well as the effect geometries when the vehicle is moving. The wheels of the training model can be adjusted in three separated axis and the geometry of the wheels can be easily modified to show different driving and tracking conditions. The unit features an original rack and pinion steering mechanism that connected to two small wheels that have scaled down linkages and adjustment. Alignment boards under the wheels have degree alignment indicators and a magnetic castor/ camber. Inclination gauge is provided. The trainer also enables study of suspension and brake mechanism provided along with tyred wheels.

Technical details

- Fully operational Electric power assisted steering and suspension trainer manufactured using Original components
- Based on a generic locally available cars, complete with sub-frame, torsion bar, wishbone's, front hub assembly, steering column, steering wheel, electric power steering rack
- Jacks fitted beneath the road wheels to load the suspension
- Fitted with manufacturers diagnostic socket
- Ammeter fitted to observe current draw
- Pin-Out box fitted using $\varnothing 2\text{mm}$ sockets enabling real-time values to be taken without compromising the wiring harness
- Rotating parts covered by mesh guards
- Board mounted in a box section frame with castors
- Powder coated paint finish

Experiments possibility

- Adjustment of the wheels and centering of the steering mechanism
- Adjustment of castor and camber King pin angle inclination
- Wheel alignment: toe-in and toe-out
- Dimension in mm : 2000(L) x 1250(W) x 1500(H)
- Weight : @ 250 kg
- Supply Voltage : 12 V DC

Note: Specifications are subject to change.

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