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Product Name :
Suspension And Steering Trainer

Product Code :
LBNY-0005-121000295



Description :

Suspension And Steering Trainer consists of a typical front wheel drive vehicle having strut suspension, rack & pinion steering and front disc brakes. The trainer is extremely versatile in that students can easily visualize all component operation as well as practice adjusting the various alignment angles. The Suspension And Steering Trainer is equipped with two movable turntables and a magnetic alignment measuring gauge to assist students in observing actual measurement and changes in alignment angles. The Suspension And Steering Trainer is designed to assist instructors in teaching basic alignment geometry and the function of a MacPherson strut suspension system with rack & pinion steering. Students can also visualize and learn common braking system components. The components necessary for correct operation and service of alignment angle adjustments and component identification are included.

The Suspension And Steering Trainer also features adjustment plates at the top of both MacPherson strut assemblies which allow easy adjustment of caster and camber. The tires sit on movable plates for ease of movement during adjustments. The sway bar has been designed with a quick disconnect feature that allows students to disconnect it for easy and precise alignment adjustment procedures. The rack and pinion steering linkage is connected to a steering wheel identical to actual vehicle configuration. The tie-rod ends are equipped with typical adjustment methods for the adjustment of toe specifications. The trainer can also be used for student learning of front wheel bearing and hub construction as well as the disc brake system. The trainers frame has three manual adjustment features that allow students to create abnormal vehicle conditions such as uneven front or rear loading, worn springs, etc.

Technical Specification :

Suspension And Steering Trainer



Laboratory Instrument India