Product name:	Product code:
Working Model Of Suspension And Steering Trainer	AEL-0035



Description

Working Model Of Suspension And Steering Trainer

Technical specification

such as uneven front or rear loading, worn springs, etc.

SPECIFICATION:

- The trainer consists of a typical front wheel drive vehicle having MacPherson strut suspension, rack & pinion steering and front disc brakes
- The components necessary for correct operation and service of alignment angle adjustments and component identification are included.
- The potential danger of the MacPherson spring pressures have been eliminated by replacing the stock coil spring with a custom plastic coil spring that does not support any of the weight of the suspension system.
- 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.

DESCRIPTION:

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.

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The trainer is extremely versatile in that students can easily visualize component operation as well as practice adjusting the various alignment angles. The 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. Students can also visualize and learn common braking system components.

FEATURES:

- Doesn’t require electricity, air or hydraulics and you are able to do it in a classroom without needing to have a vehicle on a rack.
- See a full range of motion of all suspension components at any angle.
- Visually identify components of a MacPherson strut suspension system and rack & pinion system.
- Students can perform changes, measure and observe results to caster, camber and toe.
- Unit comes with a sway and stabilizer bar that can easily be disconnected for routine service.
- The trainers frame has three manual adjustment features that allow students to create abnormal vehicle conditions