



Truck Shock Absorber Cutaway Educational Trainer is a mechanical automotive training tool made from a real heavy-duty shock absorber. The unit is cut open to show key components: piston rod, cylinder, compression and rebound valves, hydraulic chamber, and oil passages. It demonstrates how hydraulic damping works to reduce vibration and stabilize truck suspension under load.

Features

- Cutaway of real truck shock absorber.
- Exposes hydraulic and mechanical components.
- Shows internal parts: piston rod, outer tube, inner tube, oil reservoir, base valve, rebound spring, compression valve, oil seals, guide bush.
- Visualizes damping process with visible oil flow paths.
- Stable frame, no moving parts or power needed.

Value for Students

- Teaches internal structure of truck shock absorber: piston, valves, oil chamber, and seals.
- Shows hydraulic damping in compression and rebound strokes.
- Helps understand how suspension reduces road shocks and maintains vehicle stability.
- Builds knowledge of OEM suspension components used in trucks.

Value for Instructors

- Allows direct visual explanation of damping and suspension principles.
- Safe and durable for repeated classroom use.
- Supports suspension-related topics in automotive education programs.
- Simplifies teaching of heavy-duty vehicle suspension systems..

Specifications

- Type: mechanical cutaway model.
- Parts shown: piston rod, cylinder, base valve, rebound/compression valves, oil chamber.
- Use: automotive training equipment for suspension education.
- Operation: static, non-powered.
- Product number:

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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