



# LANDING GEAR MECHANISM TRAINER

Model AS-03

*Train for Tomorrow ..... TODAY*

The Landing Gear Mechanism Trainer is invaluable equipment for the hands-on training for aircraft maintenance training schools. It is essential to ensure that trainees not only understand the theory but they are also well prepared to maintain the landing gear system in the best possible manner and in compliance with the prevailing safety standards.

Our Trainer Model AS-03 is a very effective hands-on training system for landing gear system. The Landing Gear Mechanism Trainer Model AS-03 includes all assemblies and components of the standard hydraulically operated brake system with two optional versions for either electrical or hydraulic operation of the landing gears. Two types of trainers are available; Model AS-03/3 comprises of three wheels, Model AS-03/1 has one wheel only. Both models depict the landing gear mechanism as found in actual aircraft. The model is mounted on a moveable stand to facilitate easy positioning of the trainer for a clear view from all directions.

Model AS-03 includes complete wheel and tire assembly with hydraulic brake system, which includes master cylinder and brake pedals. The control unit contains control throttle for landing gear operation and three light displays show up, down, and in transition conditions. A warning horn is also mounted on the control panel.

## COMPONENTS

- 1- Tire Assembly
  - Wheels
  - Tires
  - Tubes
- 2- Hydraulic Brake Components
  - Master Brake Cylinder
  - Pressurized Fluid Reservoir
  - Brake Assembly

- 3- Landing Gear Power Components
  - a- Electrically Operated Landing Gear (Model AS-03/XE)
    - Electrical Motor
    - Power Transmission Assembly
  - b- Hydraulically Operated Landing Gear (Model AS-03/XH)
    - Electrically Driven Hydraulic Pump
    - Emergency Hand Pump
    - Relief Valves
    - Filter
    - Fluid Reservoir

## DOCUMENTATION

A manual, describing the principles of aircraft landing gear system and practice questions, is supplied with the trainer.

## POWER SUPPLY

The trainer requires 110 VAC 60 Hz (Model AS-03/XXA or 220VAC 50 Hz (Model AS-03/XXB)

## ORDERING INFORMATION

Model AS-03/3E: Three-wheel Electrically-operated Landing Gear System Trainer.

Model AS-03/3H: Three-wheel Hydraulic Landing Gear System Trainer.

Model AS-03/1E: Single-wheel Electrically-operated Landing Gear System Trainer.

Model AS-03/3H: Single-wheel Hydraulic Landing Gear System Trainer.

**Note:** Please add after E or H in the above models letter A for 110 VAC/60 Hz mains supply OR letter B for 220 VAC / 50 Hz mains.

(For example, Model AS-03/3HA means Three-wheel Hydraulic Landing Gear System Trainer to work with 110 VAC/60 Hz mains.)

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**Avitek Engineering Corporation**

G-5083 Miller Road, Flint, MI 48507, USA.

Tel. 810-230-8096

Fax. 810-230-8017

Web: [www.avitekcorporation.com](http://www.avitekcorporation.com)

Email: [sales@avitekcorporation.com](mailto:sales@avitekcorporation.com)