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ADF Science

HYD-100B Hydraulic Landing Gear System Training Set

Description

The Landing Gear Training Set offers effective hands-on training for aircraft maintenance trainees. It assures that technicians are trained to maintain the landing gear system in the best way possible and in accordance with safety standards. It displays the landing gear mechanism as found in actual aircraft. This trainer is designed to represent a landing gear system. It contains all components and assemblies of an actual hydraulic landing gear system.

Model HYD - 100 B features complete wheel and tire assembly with hydraulic brake system, including master cylinder and brake pedal. The control unit includes control throttles for landing gear and hydraulic flap operation. Indicators demonstrate show up, down, and in-transition conditions. A throttle warning horn is also mounted on the control panel. This model comes mounted on a mobile stand to provide a clear view from all directions.

Features

- Hydraulic L/G with operational strut
- Hydraulic landing gear door
- Sequencing can be controlled through squat switches and sequencing valves
- All components are mounted on the display panel
- Demonstrates a typical hydraulic system operation as well as a typical landing gear operation
- Flap and landing gear controls can be mechanical or electrical depending on customer choice.
- Wing section included
- Hydraulically operated flap with electrical indication system
- Contains electrical motor & a mechanical pump with all associated components (pressure regulator, relief valve, check valves, reservoir and filter assy.)
- Full function brake system with parking brake operation
- Landing gear indication includes : gear up, gear down and in-transit



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- Throttle lever with associated components completes the warning circuit of gear up warning horn
- Emergency hand pump
- Accumulator
- Powder coated finish for durability
- Swivel casters with brakes for full mobility and safe positioning
- System powered by either 220VAC 50Hz or 110 VAC 60Hz, single phase.

Specifications

- Delivered fully assembled, tested and ready to operate
- AC power 220 / 110 Volt required
- User's manual, students' study guide, CBT (Computer Base Training), wiring diagrams, flow
- schematics, components diagrams and instructors' training resource are included.