



ANTISKID BRAKE SYSTEM TRAINER

Model AS-06

Train for Tomorrow TODAY

With the increasingly wide usage of antiskid braking system in the aviation industry there is a definite need for training aircraft maintenance technicians in this area. Hands-on training is essential to ensure that trainees not only understand the theory but they are also well prepared to maintain the antiskid braking system in the best possible manner.

Our Trainer Model AS-06 is a very effective hands-on training system for antiskid braking system. The Antiskid Brake System Trainer Model AS-06 includes all assemblies and components of the standard hydraulically operated brake system plus the antiskid assemblies and components. The trainer comprises standard brake and antiskid components to complete an antiskid brake system.

The design of the antiskid brake system trainer provides the option of an operative antiskid function or an inoperative antiskid function by selecting ON or OFF on the instrument panel. The power brake system remains operative irrespective of the selection of antiskid brake switch. The antiskid function becomes operational when the antiskid control switch is positioned to ON position, which activates the antiskid servo valve.

The antiskid brake system trainer consists of:

- Landing Gear wheel and Tire (with Disc Brake) Assembly
- Speed Transducer
- Electronic Control Box (Antiskid Control Computer)
- Power Brake Antiskid Servo Valve
- Motor / Pump and Filter Assembly
- Accumulator
- Instrument Panel

The wheel transducer is installed in wheel axle. The transducer generates an electrical signal by wheel rotation and sends the signal to the control box. The control box (which also receives signals from landing gear squat switch) in turn, provides signals to the antiskid servo valve of the power brake antiskid power brake antiskid control valve unit. The antiskid servo valve reduces pressure to each wheel and brake assembly, as required, to prevent the wheel from skidding.

COMPONENTS

- 1- Hydraulic Brake Components
 - Master Brake Cylinder
 - Pressurized Fluid Reservoir
 - Brake Assembly
- 2- Antiskid Components
 - Power Brake Antiskid Valve
 - Motor / Pump and Filter Assembly
 - Accumulator
 - Electronic Control Box
 - Wheel Speed Transducer

DOCUMENTATION

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

POWER SUPPLY

The trainer requires 110 VAC 60 Hz (Model AS-06A or 220VAC 50 Hz (Model AS-06B)

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