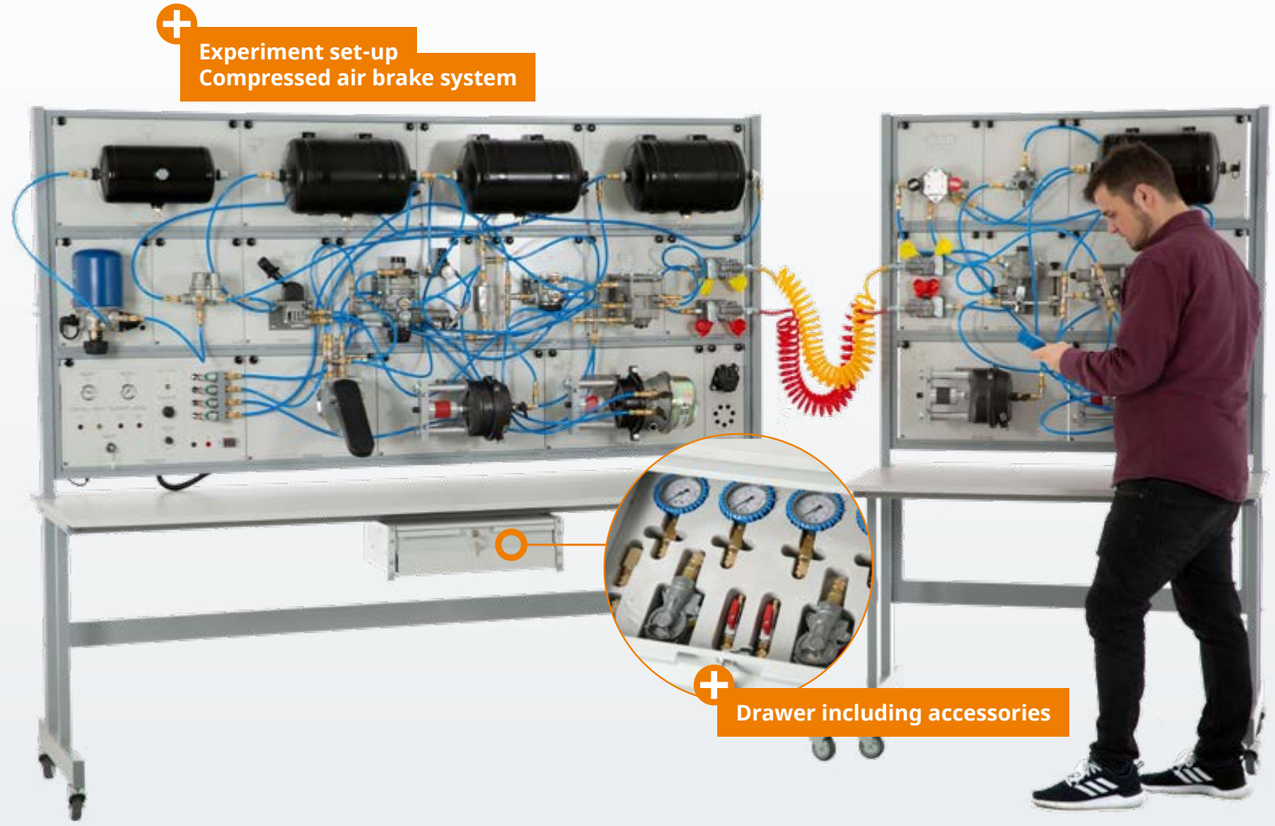
LUCAS-NÜLLE

COMPRESSED AIR BRAKE SYSTEM

Automotive Training Systems

1st Edition

THE COMPRESSED AIR BRAKE SYSTEM



Braking systems are a decisive factor in the safety of a vehicle and its surroundings. The legal stipulations governing their design and operation are strict and compliance needs to be verified through regular inspections.

Anyone who works with commercial and utility vehicles must be familiar with air-pressure brake systems. After all, if you intend to decelerate a medium-heavy or heavy vehicle or tractor-trailer, the amount of force a person can bring to bear quickly reaches its limits. A boost in foot pedal force, like in a passenger car, no longer suffices. Compressed air-pressure systems ensure that the entire actuation force is applied by the brake system. That permits the driver or operator to apply the brake sensitively via the brake pedal and downstream braking components.

But how is a system like this designed? Which components are coupled to each other and how? What do these components do? And what is essential during an inspection? With the training system "Compressed air brake system", technical know-how and service expertise is gained in order to address these questions.

Your benefits:

- Fundamentals of compressed air brake systems
- Theoretical principles
- Servicing skills and diagnostic expertise
- Planning and performing service tasks
- Preparation for the legally stipulated safety inspections
- Become familiar with service braking system (towing vehicle),
  parking brake and trailer brake system
- Modular design permits the system to be flexibly configured
- The connection of hoses carried out completely by trainees

Art. no. CO3223-8W

Training contents

- Operational inspection of an air brake system
- Design and function of the multi-circuit (4-circuit) protection valve
- Design and function of all other components
- Component hose connections according to connection diagram
- Identifying and matching connection terminals
- Correctly arranging components in the compressed air circuit
- Comparing circuit symbols according to DIN 74253 with those from DIN ISO 1219

LUCAS-NÜLLE

LUCAS-NÜLLE GMBH

Siemensstr. 2
50170 Kerpen, Germany

Tel.: +49 2273 567-0
Fax: +49 2273 567-69

www.lucas-nuelle.com
export@lucas-nuelle.com

Ref. no.: K-A0-1199-GB
Compressed air brake system

08/21-GB (Printed in Germany)
Subject to technical amendments.