

Cylinders backhoe unit, description

The backhoe unit consists of eight cylinders. One bucket lift cylinder, one dipper arm cylinder, one boom cylinder, two stabiliser cylinders, two steering cylinders and one boom lock cylinder. If the machine is equipped with a extendible dipper arm one additional cylinder is installed.

The boom lock cylinder is a single-acting cylinder with spring return. All other cylinders are double-acting. The backhoe bucket cylinder has damping at the front (rod end) while the boom cylinder and the dipper cylinder have damping at the rear (piston end).

The piston rods are induction hardened and hard chrome plated. All cylinders have piston and roller furnished grooves for piston seals.

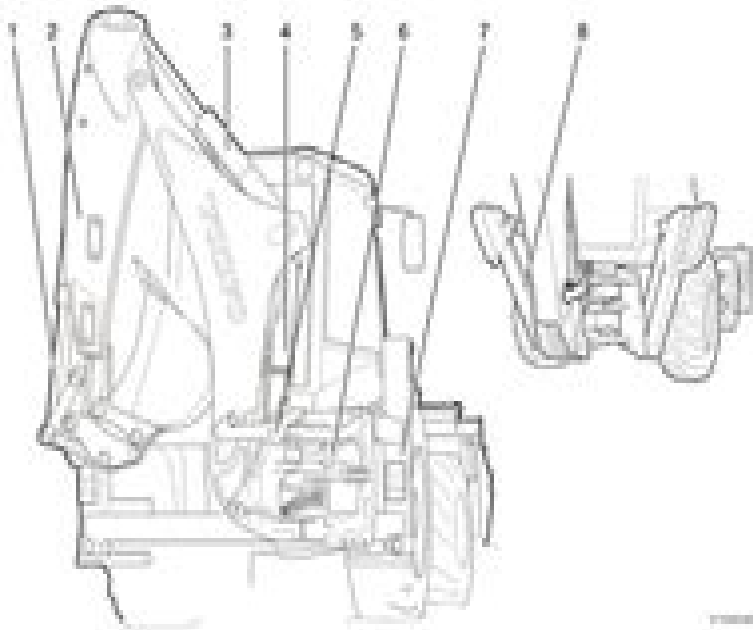


Figure 1
Location of cylinders on the backhoe unit

- 1. Backhoe bucket cylinder
- 2. Extendible dipper arm cylinder (optional)
- 3. Dipper arm cylinder
- 4. Boom cylinder
- 5. Boom lock cylinder
- 6. Dipper cylinder
- 7. Stabiliser cylinder SLS100SL710 (optional)
- 8. Stabiliser cylinder SLS100SL710

Cylinders loader unit, description

The loader unit consists of three cylinders. One loader bucket lift cylinder and two cylinders for lifting the loader framework. If the machine is equipped with a multi-purpose bucket two additional cylinders are installed for opening the multi-purpose bucket.

The hydraulic cylinders are double-acting.

The piston rods are induction hardened and hard chrome plated. All cylinders have piston and roller furnished grooves for piston seals.

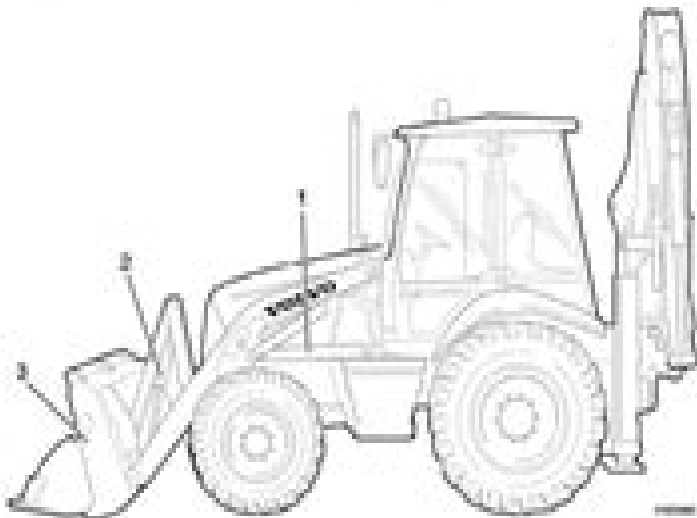


Figure 1
Location of cylinders on the loader unit

- 1. Lift cylinder
- 2. Tilt loader bucket cylinder
- 3. Multi-purpose bucket cylinder (optional)

Tilt cylinder, loader bucket

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Arturo Cuomo



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1. Understanding the eBook Volvo Backhoe Manual
 - The Rise of Digital Reading Volvo Backhoe Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Volvo Backhoe Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Volvo Backhoe Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Volvo Backhoe Manual
 - Personalized Recommendations
 - Volvo Backhoe Manual User Reviews and Ratings
 - Volvo Backhoe Manual and Bestseller Lists
5. Accessing Volvo Backhoe Manual Free and Paid eBooks
 - Volvo Backhoe Manual Public Domain eBooks
 - Volvo Backhoe Manual eBook Subscription Services
 - Volvo Backhoe Manual Budget-Friendly Options
6. Navigating Volvo Backhoe Manual eBook Formats

- ePub, PDF, MOBI, and More
- Volvo Backhoe Manual Compatibility with Devices
- Volvo Backhoe Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Volvo Backhoe Manual
 - Highlighting and Note-Taking Volvo Backhoe Manual
 - Interactive Elements Volvo Backhoe Manual
- 8. Staying Engaged with Volvo Backhoe Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Volvo Backhoe Manual
- 9. Balancing eBooks and Physical Books Volvo Backhoe Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Volvo Backhoe Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Volvo Backhoe Manual
 - Setting Reading Goals Volvo Backhoe Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Volvo Backhoe Manual
 - Fact-Checking eBook Content of Volvo Backhoe Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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