

## Bendix® A-18™ Trailer ABS (Gen 4™ and Gen 5™ ABS)



FIGURE 1 - ABS Controller Assemblies

### GEN 4™ AND GEN 5™ ABS INTRODUCTION

This manual describes the Bendix® A-18™ trailer ABS system and contains two primary sections:

- Installation
- Service

The Installation section provides the information required for the proper installation of a FMVSS-121 compliant trailer air brake systems that incorporate the Bendix Trailer ABS system and complementary trailer components.

The Service section of the manual includes the information necessary to properly maintain, troubleshoot and repair the A-18™ trailer ABS system.

Following the installation, service, and troubleshooting procedures contained in this manual will produce a high performance, long life, low maintenance antilock braking system.

For assistance in your area call Bendix at 1-800-247-2725 or RoadRanger® at 1-800-826-4357.

#### Benefits of Trailer ABS

ABS-controlled trailer braking ensures optimum vehicle stability while minimizing the stopping distance. During vehicle operation, the trailer ABS Electronic Control Unit (ECU) continuously monitors all wheel speed sensors. Data input from the wheel speed sensors allows the ECU to:

- Detect impending wheel lock.
- Maintain optimum wheel slip.
- Maximize overall braking effectiveness.
- Minimize tendencies for trailer swing out during hard braking conditions.

#### Document Revision Level

This document is subject to revision. For updates please visit [www.bendix.com](http://www.bendix.com).

### Table of Contents

Power Requirements for ABS	3
General Air Brake Requirements	4
Brake Priority Options	5
ABS Performance Characteristics	6
ABS Controlled Braking	6
ABS Component Function	6
Trailer ABS Configurations	7
Sensor Placement	7
Trailer ABS Component Overview	9
Electronic Control Unit (ECU)	11
Relay Valve	13
Relay Valve Operation Modes	14
Installation	15
Install the ECU/Relay Valve and Stand Alone Relay Valve	16
Install the Inline Power Connector	17
Install the Main ABS Harness	17
Install the Trailer Mounted Warning Light	19
End-Of-Line Diagnostics	23
Use of Hand Held Tool for Configuration	23
Troubleshooting and Fault Codes	25
Test Equipment	26
ServiceRanger PC Software	27
ABS Valve Troubleshooting	28
Speed Sensor Troubleshooting	29
Accessing Codes	30
Fault Code Charts	31
Glossary	39

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# 629 14 Bendix Code

**Scott C. Dulebohn**



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### Table of Contents **629 14 Bendix Code**

1. Understanding the eBook 629 14 Bendix Code
  - The Rise of Digital Reading 629 14 Bendix Code
  - Advantages of eBooks Over Traditional Books
2. Identifying 629 14 Bendix Code
  - 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 629 14 Bendix Code
  - User-Friendly Interface
4. Exploring eBook Recommendations from 629 14 Bendix Code
  - Personalized Recommendations
  - 629 14 Bendix Code User Reviews and Ratings

- 629 14 Bendix Code and Bestseller Lists
- 5. Accessing 629 14 Bendix Code Free and Paid eBooks
  - 629 14 Bendix Code Public Domain eBooks
  - 629 14 Bendix Code eBook Subscription Services
  - 629 14 Bendix Code Budget-Friendly Options
- 6. Navigating 629 14 Bendix Code eBook Formats
  - ePub, PDF, MOBI, and More
  - 629 14 Bendix Code Compatibility with Devices
  - 629 14 Bendix Code Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of 629 14 Bendix Code
  - Highlighting and Note-Taking 629 14 Bendix Code
  - Interactive Elements 629 14 Bendix Code
- 8. Staying Engaged with 629 14 Bendix Code
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers 629 14 Bendix Code
- 9. Balancing eBooks and Physical Books 629 14 Bendix Code
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection 629 14 Bendix Code
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine 629 14 Bendix Code
  - Setting Reading Goals 629 14 Bendix Code
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of 629 14 Bendix Code
  - Fact-Checking eBook Content of 629 14 Bendix Code
  - 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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