Anti-Lock Braking System (ABS)

Aftermarket Kit Product Offering
2S/1M Multiple Axle Application/Primarily New Trailer

**AQ960208**
2S/1M FFABS Valve Kit

**Valve Specifications**
- 4-Port FFABS Spring Brake Priority
- Dual Nipple 1/2” and 3/4”
- 12 Volt
- 3/8” Ports

**Kit Contents**
- Valve/ECU Assemblies
- 20M Power Cord With 12M ABS Lamp Lead
- Two - 2.5M Full Sensors (90°), Clips and Retaining Sleeve

**AQ960802**
2S/1M FFABS Valve Kit

**Valve Specifications**
- 4-Port FFABS Spring Brake Priority
- Dual Nipple 1/2” and 3/4”
- 12 Volt
- 3/8” Ports

**Kit Contents**
- Valve/ECU Assemblies
- 20M Power Cord With 12M ABS Lamp Lead
- 2.5M Sensor Extension
- Clips
- ABS Light Kit

**AQ961402**
2S/1M FFABS Valve Kit

**Valve Specifications**
- 4-Port FFABS Spring Brake Priority
- Dual Nipple 1/2” and 3/4”
- 12 Volt
- 3/8” Ports

**Kit Contents**
- Valve/ECU Assemblies
- 2.5M Sensor Extension
- Clips

**AQ961404**
2S/1M FFABS Valve Kit

**Valve Specifications**
- 4-Port FFABS Spring Brake Priority
- Dual Nipple 1/2” and 3/4”
- 12 Volt
- 3/8” Ports

**Kit Contents**
- Valve/ECU Assemblies
- 5.0M Sensor Extension
- Clips

**AQ961405**
2S/1M FFABS Valve Kit

**Valve Specifications**
- 4-Port FFABS Service Brake Priority
- Dual Nipple 1/2” and 3/4”
- 12 Volt
- 3/8” Ports

**Kit Contents**
- Valve/ECU Assemblies
- 5.0M Power Cable
- Two - 2.5M Full Sensors (90°), Clips and Retaining Sleeve
- ABS Light Kit

**AQ961406**
2S/1M FFABS Valve Kit

**Valve Specifications**
- 4-Port FFABS Service Brake Priority
- Dual Nipple 1/2” and 3/4”
- 12 Volt
- 3/8” Ports

**Kit Contents**
- Valve/ECU Assemblies
- 5.0M Power Cable
- Two - 2.5M Full Sensors (90°), Clips and Retaining Sleeve
- ABS Light Kit
2S/1M Single Axle or Dolly Application/
Primarily Competitive Retrofit

2S/1M Multiple Axle Application/
Primarily Competitive Retrofit

**AQ960503**
(WABCO)
2S/1M ABS
Relay Valve Kit

**Valve Specifications**
- 6-Port
- 1/2” Reservoir Port
- 12 Volt
- 3/8” Control Port
- 3/8” Delivery Port

**Kit Contents**
- Valve/ECU Assemblies
- 6.0M Power Cord Extension
- 3.0M Sensor Extension

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**AQ960510**
(Bendix®)
2S/1M ABS
Relay Valve Kit

**Valve Specifications**
- 6-Port
- 1/2” Reservoir Port
- 12 Volt
- 3/8” Control Port
- 3/8” Delivery Port
- Requires Separate Spring Brake Control Valve*

**Kit Contents**
- Valve/ECU Assemblies
- 6.0M Power Cord Extension
- 2.0M Sensor Extension

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**AQ960514**
(MBS WNC-MAX**)
2S/1M ABS
Relay Valve Kit

**Valve Specifications**
- 4-Port
- 1/2” Reservoir Port
- 12 Volt
- 3/8” Control Port
- 3/8” Delivery Port
- Special Mounting Bracket
- Requires Separate Spring Brake Control Valve*

**Kit Contents**
- Valve/ECU Assemblies
- 6.0M Power Cord Extension
- 2.5M Full (90°) Sensors, Clips and Retaining Sleeve
- Miscellaneous Hardware Required for Installation

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**AQ960515**
(MBS WNC-LITE**)
2S/1M ABS
Relay Valve Kit

**Valve Specifications**
- 6-Port
- 1/2” Reservoir Port
- 12 Volt
- 3/8” Control Port
- 3/8” Delivery Port
- Special Mounting Bracket
- Requires Separate Spring Brake Control Valve*

**Kit Contents**
- Valve/ECU Assemblies
- 6.0M Power Cord Extension
- 3.0M Sensor Extension

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**AQ960505**
2S/1M ABS
Relay Valve Kit

**Valve Specifications**
- 2-Port
- 1/2” Reservoir Port
- 12 Volt
- 3/8” Control Port
- 3/8” Delivery Port

**Kit Contents**
- Valve/ECU Assemblies
- 6.0M Power Cord Extension
- 2.5M Full (90°) Sensors, Clips and Retaining Sleeve
- Miscellaneous Hardware Required for Installation

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* Spring Brake Control Valve Such as Haldex N34031A/KN26120

** MB52 Trailers require additional kit AQ15457 or AQ15458 to upgrade Wabash in-axle sensor design to conventional sensor and exciter design

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**Wabash**

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**Bendix**

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**MBS2 Trailers require additional kit AQ15457 or AQ15458 to upgrade Wabash in-axle sensor design to conventional sensor and exciter design
2S/1M Upgrade Kits – Dolly, Single, Tandem, Tri-Axle

**Related ABS Parts and Kits**

### AQ960502
2S/1M ECU Upgrade Kit, A8

- **ECU Design**: PLC Select
- **Kit Contents**:
  - PLC Select ECU and Bracket
  - 2.0M Power Cord Extension
  - 3.0M Sensor Extension
  - Power Cord End Kit

### AQ964110
2S/1M ECU Upgrade Kit, A7

- **ECU Design**: PLC Select
- **Kit Contents**:
  - PLC Select ECU and Bracket
  - 1.0M Power Cord Extension
  - 0.5M Sensor Extension

### AQ964111
4S/2M ECU Upgrade Kit

- **ECU Design**: 2M PLC Select
- **Kit Contents**:
  - PLC Select 2M ECU and Bracket
  - 2.0M Power Cord Extension
  - 2.0M Sensor Extension
  - Power Cord End Kit
  - Valve Relay Cable

### AQ961110
Universal ABS Service Kit

- **Kit Contents**:
  - Loom Assembly
  - Power Cord Terminal Kit
  - 2.0M 90° Sensor Body with Clip
  - 0.5M 90° Sensor Body with Clip
  - 0.5M Straight Sensor Body with Clip
  - ABS Light Kit
  - 2.0M Sensor Cable Lead Extension
  - Retainer
  - Retaining Clip 3/8" to 1/2" hose

### KN26120
Trailer Brake Control Valve

- **Kit Contents**:
  - Mounting Hardware
  - Check Ball
  - DIN Solenoid
  - Adapter Cable
  - 12 Volt 24MM Electrical Connector

### AQ15855
PLC ABS Infocenter and Cable Kit

- **Kit Contents**:
  - Plug 2-Pin Connector into Trailer Power Cord Adapter at Nose Box
  - Workshop tool only – not to be vehicle mounted

### AQ40525
Trailer ABS Solenoid Kit

- **Kit Contents**:
  - Mounting Hardware
  - Check Ball
  - DIN Solenoid
  - Adapter Cable
  - 12 Volt 24MM Electrical Connector

### AL364431
Info Center 2 for ITCM

- **Kit Contents**:
  - Can be mounted on Trailer
  - Dual Nipple 1/2" and 3/4"
  - Use CAN cable to ITCM
TRIM OFF THIS EIGHTH-INCH FOR FOLD-IN PANEL CLEARANCE

4S/2M ITCM Multiple Axle Application/
New Trailer and Retrofit

AQ965001
4S/2M ITCM
FFABS Valve Kit, A7

Valve Specifications
- 4-Port FFABS Spring
  Brake Priority
- 6-Port ABS Relay

Kit Contents
- Valve/ECU Assemblies
- 6.0M Power Cord
  Extension
- 2.0M Relay Valve Cable
- 1.5M and 2.5M
  Sensor Extensions
- Second 2-Port ABS
  Relay Valve
- Quick Release Valve
- Hose Clips, Cable Grips

AQ965002
4S/2M ITCM
Relay Valve Kit, A7

Valve Specifications
- 2-Port ABS Relay
  Reservoir Mount

Kit Contents
- Valve/ECU Assemblies
- 6.0M Power Cord
  Extension
- 2.0M Relay Valve Cable
- 1.5M and 2.5M
  Sensor Extensions
- Second 2-Port ABS
  Relay Valve
- Hose Clips, Cable Grips

AQ965003
4S/2M ITCM
FFABS Valve Kit, A7

Valve Specifications
- 6-Port ABS Relay
  Reservoir Mount

Kit Contents
- Valve/ECU Assemblies
- 6.0M Power Cord
  Extension
- 2.0M Relay Valve Cable
- 2.0M and 3.0M
  Sensor Extensions
- Second 6-Port ABS
  Relay Valve
- Hose Clips, Cable Grips

AQ965004
4S/2M ITCM
FFABS Valve Kit, A7

Valve Specifications
- 2-Port FFABS Spring
  Brake Priority
- 2-Port ABS Relay

Kit Contents
- Valve/ECU Assemblies
- 6.0M Power Cord
  Extension
- 2.0M Relay Valve Cable
- 2.0M and 3.0M
  Sensor Extensions
- Second 6-Port ABS
  Relay Valve
- Hose Clips, Cable Grips

AQ965005
4S/2M ITCM
FFABS Valve Kit, A7

Valve Specifications
- 6-Port ABS Relay
  Reservoir Mount

Kit Contents
- Valve/ECU Assemblies
- 6.0M Power Cord
  Extension
- 2.0M Relay Valve Cable
- 1.5M and 2.5M
  Sensor Extensions
- Second 6-Port ABS
  Relay Valve
- Quick Release Valve
- Hose Clips, Cable Grips

AQ965006
4S/2M ITCM
FFABS Valve Kit, A7

Valve Specifications
- 2-Port FFABS Service
  Brake Priority
- 2-Port ABS Relay

Kit Contents
- Valve/ECU Assemblies
- 6.0M Power Cord
  Extension
- 2.0M Relay Valve Cable
- 1.5M and 2.5M
  Sensor Extensions
- Second 2-Port ABS
  Relay Valve
- Hose Clips, Cable Grips

TRI-AXLE

TANDEM
Haldex ABS products optimize trailer function, safety and performance.

Haldex offers a full line of Anti-Lock Braking Systems (ABS) products including:

- Haldex exclusive Full Function ABS Valve (FFABS)
- ABS Relay Valve
- PLC Select® technology
- Select Low/High (SLH) protocol
- Intelligent Trailer Control Module (ITCM) including Controller Area Network (CAN) bus

Whether you need a 2S/1M single channel or 4S/2M multi-channel, the Haldex ABS product offering has the right system for any trailer configuration.

To learn more about the Anti-Lock Brake System (ABS) Products, contact your Haldex Sales Professional.

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