

iEBS Basic for Trailers

System Overview

iEBS Basic Variants

Basic Steel for Steel Suspension
480 102 10 5 0

* The 9th digit of the iEBS part number indicates the PDM variant

ABS Configuration 4S/2M
GIO 1 - Height sensor for load sensing
GIO 2 - Additional GIO function

PDM without Overflow Valve for Air Suspension (OVAS)

Ports
Port 1
Port 2.4
OVAS Ports

PDM 5
Ø15x1.5
Ø8x1

No OVAS section

Basic Air for Air Suspension
480 102 20 1 0
480 102 20 2 0
480 102 20 3 0

* The 9th digit of the iEBS part number indicates the PDM variant

ABS Configuration 2S/2M
GIO 1 - TASC
GIO 2 - LACV
GIO 6 - Push Button

Ports
Port 1
Port 2.4
OVAS Ports

PDM 1
Ø16x2
Ø8x1
All Ø8x1

PDM 2
Ø15x1.5
Closed
All Ø8x1

PDM 3
Ø15x1.5
Ø8x1
(2x) Ø8x1 + (2x) Ø12x1.5

Pneumatic Distribution Module (PDM) - Ports Description

1 - Supply PRV Port 1-2
2.2 - Service Brake Actuator
2.4 Test Connection for Brake Pressure

2.3 - Spring Brake Actuator
4.2 - Park Brake Control PRV Port 2
1.1 - Supply for Air Suspension (Available for iEBS Air Variants only)

5 - Air Suspension Bellows
4 - Control Line Yellow Coupling Head
1 - Brake Reservoir

2.1 - Service Brake Actuator
2.3 - Spring Brake Actuator
1.1 - Supply for Air Suspension (Available for iEBS Air Variants only)

iEBS Basic Air with Conventional Air Suspension

Information Sticker ISO 7638
813 000 070 3
Silver Adhesive Label
(Print from iEBS Diagnostic Software)
899 200 922 4

Supply Coupling Head with Integrated Filter 1
952 201 012 0
952 201 015 0 - With Quick Connector

Control Coupling Head with Integrated Filter 2
952 201 011 0
952 201 013 0 - With Test Port
952 201 014 0 - With Quick Connector & Test Port

Power Cable ISO 7638 + Fuse (mini type F 15 A) 3
449 174 080 0 - 8 m
449 174 100 0 - 10 m
449 174 120 0 - 12 m
449 174 150 0 - 15 m

Fuse Exchange Instructions Sticker
813 000 071 3

Power Cable ISO 7638
449 175 080 0 - 8 m
449 175 100 0 - 10 m
449 175 120 0 - 12 m
449 175 130 0 - 13 m
449 175 140 0 - 14 m
449 175 150 0 - 15 m

Park Release Valve - PRV 4
971 003 001 0 - Supply Port Ø8x1
971 003 003 0 - Supply Port Ø10x1
971 003 029 0 - Supply Port Ø8x1 + Test Port

Operation Instructions Sticker
899 202 608 4

Lift Axle Control Valve - LACV 5
463 084 060 0 - Without Fittings
463 084 061 0 - With Fittings (all ports Ø8x1)

LACV Cable
449 408 040 0 - 4 m
449 408 060 0 - 6 m

Legend
Supply
Control/Service Brake
Air Suspension Lines
Parking Brake Lines
Electrical Signals
CAN Connection (ISO 7638)

Levelling Valve 6
464 006 540 0 - Single Circuit
464 006 500 0 - Dual Circuit
464 006 520 0 - Dual Circuit with Height Limitation
464 006 580 0 - Dual Circuit and Inverted Lever

Lever Linkages - Length 289 mm 7
441 050 071 2
441 906 710 2

Blind Plugs for PDM PDM
893 022 001 4 - for Ø8x1
893 022 016 4 - for Ø12x1.5
893 022 017 4 - for Ø15x1.5
893 022 018 4 - for Ø16x2

Trailer Air Suspension Control TASC - Single circuit 10
463 090 320 0 - Height Limitation + Fittings
463 090 321 0 - With Fittings
463 090 322 0 - Height Limitation + Test Port
463 090 323 0 - Test port

Trailer Air Suspension Control TASC - Dual circuit
463 090 300 0 - Test port + Fittings
463 090 301 0 - With Fittings
463 090 302 0 - Height Limitation + Fittings
463 090 303 0 - Height Limitation + Test Port
463 090 304 0 - Test Port - No Fittings

463 090 305 0 - Deadman + Height Limitation
463 090 306 0 - Deadman

TASC Cable
449 408 040 0 - 4 m
449 408 060 0 - 6 m

Wheel Speed Sensor 8
441 032 808 0 - Type S+ with 0.4 m Cable
441 032 809 0 - Type S+ with 1 m Cable
441 032 921 2 - Repair Kit (0.4 m sensor)
441 032 922 2 - Repair Kit (1 m sensor)
899 760 510 4 - Sensor Bush

Cable Extension for Wheel Speed Sensor 9
449 733 018 0 - 1.8 m
449 733 030 0 - 3 m

iEBS Basic Steel

Legend
Supply
Control/Service Brake
Air Suspension Lines
Parking Brake Lines
Electrical Signals
CAN Connection (ISO 7638)

Height Sensor - Optional 11
441 050 202 0

Used as load sensing device for iEBS Steel variants only - Port GIO 1

Height Sensor Cable
449 829 010 0 - 1 m
449 829 030 0 - 3 m
449 829 050 0 - 5 m
449 829 080 0 - 8 m
449 829 1200 - 12 m

T Shape Lever 12
441 050 024 4

Conventional Lever (optional)
441 050 641 2

Lever Linkages 13
441 050 711 2 - 209 mm length
441 050 712 2 - 289 mm length
441 050 713 2 - 299 mm length
441 050 714 2 - 323 mm length
441 901 710 2 - 289 mm length
441 901 711 2 - 248 mm length
441 901 712 2 - 235 mm length
441 901 713 2 - 262 mm length

SUBSYSTEMS devices

SmartBoard
446 192 210 0 - Battery Included
446 192 211 0 - Without Battery

SmartBoard Cable
449 929 040 0 - 4 m
449 929 060 0 - 6 m
449 929 120 0 - 12 m

OptiTire
446 220 110 0

OptiTire Bracket
446 220 000 4

OptiTire Cable
449 928 050 0 - 5 m
449 928 120 0 - 12 m
449 928 150 0 - 15 m

SUBSYSTEMS Port Duplicator 894 600 161 2

Telematics
1 TX-TRAILERPULSE [without battery]
346 291 000 0
TX-TRAILERPULSE [with battery]
346 292 000 0
2 SCALAR EVO Pulse
346 292 001 0

SCALAR EVO Pulse and TX-TRAILERPULSE L - Bracket
554 052 041 4

Cables
449 928 050 0 - 5 m
449 928 120 0 - 12 m
449 928 150 0 - 15 m

SCALAR EVO Guard
554 090 011 0

SCALAR EVO Guard Cable
449 936 050 0 - 5 m

Diagnostics Components

1 **Diagnostic Interface 2**
446 301 030 0

2 **CAN Diagnostic Cable**
446 300 361 0 - 5 m
446 300 362 0 - 20 m

3 **Diagnostic Cable ISO 7638 CAN 24 V**
446 300 360 0

4 **Diagnostic Cable CAN 5 V**
446 300 348 0

5 **iEBS Diagnostic Cable**
449 607 020 0 - 2 m
449 607 040 0 - 4 m

AFTERMARKET

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