TRAINING PROGRAMME 2020
WABCO South Africa
Product Training

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Trailer ABS
Course 1 - Basic Airbrakes

Target Group
For those who work on trailers and really want to understand the braking systems, this is the course to start with.

Learning Content
- Valve port markings – the key to understanding airbrakes.
- Semi-Trailer and Interlink airbrake circuits.
- Settings: From load sensing to air suspension ride heights.
- WABCO Trailer ABS. We show:
  - WABCO ABS in action, preventing accidents and costly tyre flat spots.
  - How to keep your WABCO ABS working – working with power supplies and wheel sensors.
  - Easy hand held diagnostics including multi-meter training.
- Test station brake reports. Are your trailer’s brakes really that good? We show test station passes that should have been failures. Brake efficiency is easily calculated. We show you how.

Note
By pre-arrangement, we can also help candidates with candidates with low levels of literacy.

Basic Airbrakes

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<thead>
<tr>
<th>Duration</th>
<th>2 Days</th>
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<tr>
<td>Time</td>
<td>9:00 – 17:00 Uhr</td>
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<tr>
<td>Price</td>
<td>R2950.00 Excl. VAT</td>
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WABCO Edenvale:
9 - 10 March
20 - 21 July
19 - 20 October

WABCO Cape Town
22 - 23 June

WABCO Pinetown
4 - 5 May

Please contact Vic Currin for further information: Cell: 076 283 3754 E-mail: Vic.Currin@wabco-auto.com
**Advanced Airbrakes**

Course 2 - Trailer EBS, Diagnostics and Drawbars (ABS & EBS)

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<thead>
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<th>Advanced Airbrakes</th>
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<td>3 Days</td>
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<td><strong>Price</strong></td>
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<td>R3688.00 Excl. VAT</td>
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**Target Group**

Only available to candidates that have successfully passed Course 1 with 75% or more.

**Learning Content**

- The evolution from Trailer ABS to EBS.
- Semi-Trailers with EBS.
- Drawbar trailers ABS & EBS.
- EBS add on features:
  - Roll Stability Support (RSS). Electronic brake activation in near roll over situations.
  - Tail-Guard (Park Distance Control). Electronic brake activation when reversing too close to an object.
  - Electronically Controlled Air Suspension (ECAS). Electronic control = reduced air consumption = reduced fuel consumption.
  - Smartboard. Load display, odometer, lift axle control and diagnostics.
  - On-Board Data Recording (ODR). ABS, RSS and more events stored in memory, Useful for route analysis, driver abuse and accident analysis.
- EBS laptop diagnostics – hands on using our functional training jig

**WABCO Edenvale:**
- 11 - 13 March
- 22 - 24 July
- 21 - 23 October

**WABCO Cape Town**
- 24 - 26 June

**WABCO Pinetown**
- 6 - 8 May

**Note**

Upgraded for 2018. Drawbar and trailer EBS brake systems are different. We show that different does not mean more difficult. This course is 50% hands on practical.

Please contact Vic Currin for further information: Cell: 076 283 3754 E-mail: Vic.Currin@wabco-auto.com
Trailers
Course 3 - Advanced Fault Finding

Target Group
Only available to candidates that have successfully passed Courses 1 & 2 with 75% or more. An essential course for anyone doing breakdowns on trailers.

Learning Content
- From insufficient brakes to brake binds / tyre fires
- How to know when a leaking valve is not a fault, but a feedback. Learn which valve to change.
- Equalising – A leak in one place causes an imbalance of pressures that will make some valves look like they’re leaking, when they are not.
- Incorrect settings that cause some valves to leak, trailers to push the truck or uneven /high brake lining / tyre wear.

Note
Upgraded for 2018. Save time and cost by learning how to logically fault find Semi and Drawbar Trailers with ABS or EBS brake systems.
Whilst this is a theoretical course, we will be demonstrating some of the faults on our functional trailer jigs. An essential course for anyone doing breakdowns on trailers.

WABCO Edenvale:
26 - 27 October

WABCO Cape Town
29 - 30 June

WABCO Pinetown
11 - 12 May
Truck ABS
Course 4 - Basic Airbrakes

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<th>Basic Airbrakes</th>
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<td><strong>Duration</strong></td>
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**Target Group**
For those that work on trucks and really want to understand truck airbrake systems, this is the course to start with.

**Learning Content**
- Valve port markings – the key to understanding airbrakes.
- Valve function and settings including air dryers, 4 circuit protection valves, load sensing valves and trailer control valves.
- All the circuits, from charging to hand brake, full function to fail-safes, including the circuits with spring brakes (boosters) on the front steering axles.
- Truck ABS:
  - What it does to avoid accidents and prevent tyre lock ups.
  - How ABS works and how to maintain it.
  - In intro to WABCO Truck ABS diagnostics.
- Truck / Trailer braking predominance. Why it's important and how to measure it.

**WABCO Edenvale:**
18 - 20 March
29 - 31 July
28 - 30 October

**WABCO Cape Town**
21 - 23 September

**WABCO Pinetown**
13 - 15 May

**Note**
For maximum benefit, also enrol for Course 5, Advanced Fault Finding – Truck.

Please contact Vic Currin for further information: Cell: 076 283 3754 E-mail: Vic.Currin@wabco-auto.com
Trucks
Course 5 - Advanced Fault Finding

Target Group
Only available to candidates that have successfully passed Course 4 with 75% or more. This course is essential for anyone doing breakdowns on trucks.

Learning Content
- From insufficient brakes to brake binds / tyre fires
- Irregular brake wear and Jack-Knifing.
- How to diagnose a leaking valve from a feedback without costly valve replacements.
- From long build up times to crossed circuit detection.
- Advanced predominance – how to correctly set truck / trailer predominance settings.

Note
Upgraded for 2018. Save time, reduce costs, by learning how to logically fault find truck airbrake systems, with or without ABS.

WABCO Edenvale:
3 - 4 August
2 - 3 November

WABCO Cape Town
28 - 29 September

WABCO Pinetown
18 - 19 May
# General Information

## In-house Venues and Dates at a glance

### WABCO Edenvale:

<table>
<thead>
<tr>
<th>Course</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Basic Airbrakes (ABS)</td>
<td>09 – 10 March</td>
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<td>20 – 21 July</td>
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<td>19 – 20 Oct</td>
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<tr>
<td>Advanced Airbrakes -Trailer EBS,</td>
<td>11 – 13 March</td>
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<tr>
<td>Diagnostics &amp; Drawbars (ABS &amp; EBS):</td>
<td>22 – 24 July</td>
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<td>21 – 23 Oct</td>
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<tr>
<td>Basic Airbrake – Truck ABS:</td>
<td>18 – 20 March</td>
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<td>29 – 31 July</td>
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<td>28 – 30 Oct</td>
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<tr>
<td>Advanced Fault Finding – Truck:</td>
<td>03 – 04 Aug</td>
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<td>02 – 03 Nov</td>
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### WABCO Cape Town:

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Basic Airbrakes (ABS):</td>
<td>22 – 23 June</td>
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<tr>
<td>Advanced Airbrakes -Trailer EBS,</td>
<td>24 – 26 June</td>
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<tr>
<td>Diagnostics &amp; Drawbars (ABS &amp; EBS):</td>
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<tr>
<td>Basic Airbrake – Truck ABS:</td>
<td>21 – 23 Sept</td>
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### WABCO Pinetown:

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<th>Course</th>
<th>Dates</th>
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<tbody>
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<td>Basic Airbrakes (ABS):</td>
<td>04 – 05 May</td>
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<tr>
<td>Advanced Airbrakes -Trailer EBS,</td>
<td>06 – 08 May</td>
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<tr>
<td>Diagnostics &amp; Drawbars (ABS &amp; EBS):</td>
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<tr>
<td>Advanced Fault Finding – Trailers:</td>
<td>11 – 12 May</td>
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<tr>
<td>Basic Airbrake – Truck ABS:</td>
<td>13 – 15 May</td>
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<td>Advanced Fault Finding – Truck:</td>
<td>18 – 19 May</td>
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Whilst most of our training is conducted at our WABCO branches based in Edenvale, Cape Town and Pinetown, we also conduct training across South Africa as well as cross border.

Product Training:
Vic Currin, Mobile: +27 (0)76 283 3754 / Vic.Currin@wabco-auto.com
Training Course Enrolment Application Form

(An on-Screen Excel version Enrolment Form is now available. Email Vic.Currin@wabco-auto.com)

Company: __________________________ Vat Reg. No: __________________________
Contact Name: __________________________ Job Title: __________________________
Postal Address: __________________________ (where certificate is to be posted)
Telephone: __________________________ Cell: __________________________ Fax: __________________________
Email: __________________________

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<thead>
<tr>
<th>Candidate Name</th>
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Please note: Courses may be cancelled / postponed in line with market demand. Should this be necessary after you have booked, we will contact you directly to re-schedule your training.

Means of Payment

EFT: [ ] Cheque: [ ] Order No: __________________________

Payment must be received prior to the date of the course

Lunch Preferences:

Standard [ ] Vegetarian [ ] Halal [ ]

Customer Signature: __________________________

Please print, complete, scan and email your complete enrolment to: Vic.Currin@wabco-auto.com

WABCO South Africa Pty Ltd
Bank: BNP PARIBAS South Africa Branch
Account Type: Current Account
Account Name: WABCO South Africa Pty Ltd
Branch Code: 688000
Acc No: 30009200129
Swift Code: BNPAZAJJ

Please contact Vic Currin for further information: Cell: 076 283 3754 E-mail: Vic.Currin@wabco-auto.com
**On-line Training**

Online Training (E-Learning) is now also available through the WABCO Academy on the E-Learning portal. All that is required is a computer with access to stable Internet.

Using this method of training reduces downtime away from work and saves on traveling and overnight expenditure.

The training is set-up in modular format that is supported by audio-visuals and usually contains a qualification test. By making use of the E-Learning portal you can work at your own pace and according to your specific schedule, either from work or home.

Access the E-Learning portal on www.wabco-academy.com. There is a list of individual course prices online.

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**VCS II Online Training** (200 300 101 0)  
**ECAS Online Training** (200 300 102 0)  
**Trailer EBS Online Training** (200 300 104 0)  
**Disc Brake Online Training** (200 300 105 0)  
**Basic knowledge braking systems** (200 300 106 0)  
**Electronic WABCO systems in buses** (200 300 108 0)  
**On-board power networks and networking** (200 300 109 0)  
**OptiTire Online Training** (200 300 110 0)
WABCO Academy

**Our purpose:** To deliver practical training that is ever improving, that technicians and mechanics can use to save time, reduce breakdowns and improve road safety.

**Our difference:** We train from practical experience using our own unique training technology. We show not only how a truck and/or trailer is piped, but how the brake systems actually work. Our training is completed with logical fault finding and laptop diagnostics.

www.wabco-academy.com
www.wabco.co.za/training

WABCO South Africa (Pty) Ltd
10 Sunrock Close, Sunnyrock Ext 2
Germiston 1401, South Africa
PO Box 4590, Edenvale 1610, South Africa
Tel: +27 (0) 11 450 2052