

## Course Description

### Basic Brake & WABCO Diagnostic Training

<b>Version:</b>	Basic Brake/Diag-2024	<b>Convenor:</b>	John Hirst
<b>Location:</b>	Classroom. Transpecs Training Centre, Wiri	<b>Date:</b>	Available on request
<b>Target Group:</b>	Intermediate Diagnostics, Service and Maintenance – Wabco Brake Systems. (Max. 6 candidates)		

#### Pre-requisites:

- Basic computer usage skills / Personal Protection Equipment (PPE)

#### Aim:

- To provide a basic understanding of trailer braking systems & diagnostic techniques.
- To identify potential candidates who demonstrate sound technical ability.
- Advance technical competence in trailer electronic control systems.

#### Vision:

- Enhance knowledge of basic brake systems and diagnostic technique
- Successful candidates meeting a threshold pass mark (85%) will be invited to participate in WABCO's advanced training program.

#### Course Content:

Module 1: Basic Brake Program (classroom)	
Introduction:	<ul style="list-style-type: none"> <li>• Why do we need brakes?</li> <li>• Types of brake (disc / drum)</li> <li>• Conventional brake hardware &amp; system architecture</li> </ul>
ABS	<ul style="list-style-type: none"> <li>• Explanation of an ABS control cycle</li> <li>• System configuration</li> <li>• Synchronisation &amp; compatibility</li> </ul>
EBS	<ul style="list-style-type: none"> <li>• Advantages &amp; standard functions</li> <li>• Intelligent Trailer Programme</li> <li>• Common Faults</li> </ul>

Module 2: Diagnostic (classroom & showroom)	
	<ul style="list-style-type: none"> <li>• T-EBS diagnostic software (familiarisation)</li> <li>• Component identification (practical)</li> <li>• Diagnostic technique (practical)</li> <li>• System assembly (practical)</li> </ul>

Summary & Test:	
	<ul style="list-style-type: none"> <li>• Candidates sit a test based on the contents of each training module</li> </ul>

**Course Duration:** Full Day 8.30am – 5.00pm

#### Course Contact:

Email: [WabcoTraining@transpecs.co.nz](mailto:WabcoTraining@transpecs.co.nz)

#### Course Cost:

\$525.00 + gst per person  
 (\$225.00 pp deposit - non refundable)