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# WABCO

Mobilizing Vehicle Intelligence

**TWL and sister-company' Transpecs are proudly New Zealand representatives for WABCO.**

**Together we are committed to delivering the exceptional advantages of WABCO's world class solutions to fleet operators and provide leading lifetime aftermarket technical and parts support.**

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### About WABCO

TWL and sister-company' Transpecs are proudly New Zealand representatives for WABCO. The partnership has been highly successful with the local market recognising WABCO's highly reliable and innovative technologies. In particular, the WABCO EBS Intelligent Trailer Program is by far the New Zealand market leader providing functions that significantly contribute to increased safety and cost effectiveness in the manufacture, operation and maintenance of trailers.

WABCO (NYSE: WBC) is a leading global supplier of technologies and services that improve the safety, efficiency and connectivity of commercial vehicles. Originating from the Westinghouse Air Brake Company founded nearly 150 years ago, WABCO continues to pioneer breakthrough innovations to enable autonomous driving in the commercial vehicle industry. Today, leading truck, bus and trailer brands worldwide rely on WABCO's differentiating technologies, including advanced driver assistance, braking, steering and stability control systems. Powered by its vision for accident-free driving and greener transportation solutions, WABCO is also at the forefront of advanced fleet management systems that contribute to commercial fleet efficiency.



**WABCO > BRAKE VALVES****WABCO Brake Valves including Pre TEBS-E Series.****WABCO**

	Part Number	Description
	480 102 064 0	EBS / ECU Version 24V with PEM
	480 102 08.0	EBS, ECU Multivolt
	480 102 931 2	Yellow Plastic Clips (10 Pack)
	480 102 020 0	EBS ECU D Version 12V
	480 102 014 0	EBS ECU D Version 24V
	400 500 083 0	ABS-VCSII 12V
	400 500 081 0	ABS-VCSII 24V
	480 207 001 0	EBS 3rd Modulator 24V
	480 207 202 0	EBS 3rd Modulator 12V (Multivolt)
	441 044 101 0	EBS Air Bag Press Sensor (Air Bag)
	441 044 108 0	EBS 3rd Modulator Press Sensor
	463 084 050 0	LACV Lift Axle Control Valve 12V (Multivolt)
	472 880 020 0	ECAS Solenoid 24V
	472 880 030 0	ECAS Solenoid 24V
	472 880 072 0	ECAS Solenoid 12V (Multivolt)
	472 905 114 0	ECAS Solenoid + LACV 24V

	446 008 414 2	ISO 7638 Plug - 24V with Pins
	446 008 414 2B	ISO 7638 Plug - 24V with no Pins
	446 008 414 M	ISO 7638 Plug - Multivolt with Pins
	446 008 414 MB	ISO 7638 Plug - Multivolt with no Pins
	446 008 395 2	ISO 7638 Plug - 12V with Pins
	446 008 404 2	ISO 7638 Socket - 24V with Pins
	446 008 386 2	ISO 7638 Socket - 12V with Pins
	446 008 311 4	2 x 6.0mm Pin for Socket
	446 008 310 4	5 x 1.5mm Pin for Socket
	446 008 316 4	2 x 6.0mm Pin for Plug
	446 008 315 4	5 x 1.5mm Pin for Plug
	539967-1	Pin extraction tool for ISO7638 Plugs & Sockets
	432 500 020 0	Control Line Filter
	463 090 500 0	Trailer Air Suspension Control (eTASC) 12 Volt (Multivolt)
	463 084 100 0	LACV (Pulse Control) 24V
	441 050 100 0	ECAS Height Sensor



### WABCO > BRAKE VALVES











#### WABCO Brake Valves including Pre TEBS-E Series.

**WABCO**

	Part Number	Description
	464 008 011 0	Levelling Valve 1/4 NPT W/Dump
	HC464	WABCO Height Control Kit Incl. Valve
	123 555 5B0 01	Damper Link R/Angle
	123 742 3B0 14	Eye Bush Only (LK464)
	464 006 002 0	Levelling Valve M12 (Alloy Body)
	452 808 002 0	Triomatic Trailer Half
	452 804 001 0	Duomatic Trailer Half
	452 806 000 0	Triomatic Truck Half
	452 806 000 S	Triomatic Semi Trailer Half (modified ports use only on semi-trailers)
	452 802 000 0	Duomatic Truck Half
	452 802 000 S	Duomatic Semi Trailer Half (modified ports use only on semi-trailers)
	434 208 021 0	Double Check Valve Select Low
	434 014 000 0	Check Valve

	Part Number	Description
	463 703 114 0	Test Point M16 (790-1615 Alternative)
	463 703 115 0	Test Point M22 (790-2215 Alternative)
	463 705 102 0	Test Point 1/4 NPT
	35013	Remote Drain Valve 1/4 NPT
	VSM 2215A	D-Valve 22mm
	VSM2215K	D-Valve 22mm with Cord
	466 301 030 0	WABCO Interface USB
	446 300 329 2	Diagnostic Cable VCS/EBS
	446 300 348 0	Diagnostic Cable TEBS-E
	446 301 023 0	WABCO Diagnostic Hardware Case

**WABCO > CABLES & TEBS-E COMPONENTS****WABCO Cables & TEBS-E Series Components.****WABCO**











	Part Number	Description
	449 233 100 0	VCSII / TEBS-E Draw Bar Power Cable 10m
	449 233 140 0	VCSII / TEBS-E Drawbar Power Cable 14m
	449 347 025 0	TEBS-E Power Cable with Socket 2.5m
	449 347 080 0	TEBS-E Power Cable with Socket 8m
	449 173 130 0	TEBS-E Power Cable with Socket 13m
	449 173 150 0	TEBS-E Power Cable with Socket 15m
	449 133 120 0	VCSII / TEBS-E Power Cable with Socket 12m
	449 349 040 0	TEBS-E 24N Stop Lamp Supply 4m
	449 429 080 0	TEBS-E 3rd Modulator Cable 8m
	449 429 130 0	TEBS-E 3rd Modulator Cable 13m
	449 611 030 0	TEBS-E Diag Cable 3m
	449 611 040 0	TEBS-E Diag Cable 4m
	449 611 060 0	TEBS-E Diag Cable 6m
	449 445 010 0	ECAS SOL Cable 1m
	449 445 030 0	ECAS SOL Cable 3m
	449 445 050 0	ECAS SOL Cable 5m
	449 812 030 0	TEBS-E Axle Load Sensor Cable 3m
	449 812 100 0	TEBS-E Axle Load Sensor Cable 10m
	449 712 100 0	Sensor Ext Cable EBS 10m
	449 712 064 0	Sensor Ext Cable EBS 6.4m
	449 712 030 0	Sensor Ext Cable EBS 3m



**WABCO > CABLES & TEBS-E COMPONENTS**

**WABCO Cables & TEBS-E Series Components.**

**WABCO**

	Part Number	Description
	449 723 003 0	TEBS-E Cable Wheel Sensor Ext 0.3m
	449 723 030 0	TEBS-E Cable Wheel Sensor Ext 3m
	449 723 100 0	TEBS-E Cable Wheel Sensor Ext 10m
	449 811 010 0	TEBS-E Distance Sensor Cable 1m
	449 811 030 0	TEBS-E Distance Sensor Cable 3m
	449 811 050 0	TEBS-E Distance Sensor Cable 5m
	449 535 060 0	TEBS-E 12V/24V Auxiliary output 6m
	446 300 360 0	Diagnostic 24V CAN to ISO 7638 M-F Adaptor
	449 818 022 00	TEBS-E GI/O "Y" Cable
	449 752 030 0	EBS Load Sensor Cable 3m
	449 752 100 0	EBS Load Sensor Cable 10m
	446 008 238 2	ISO 7638 Cable - 12V
	446 008 700 0	ISO 7638 Cable - 24V
	446 008 700 M	ISO 7638 Cable - Multivolt
	446 122 050 0	CAN Router fitted to front trailer B-Train set for power & CAN communication
	ABS 12-24/ECAS /QFIT	Voltage Inverter 12V to 24V with quick fit connectors
	ABS 12-24/ECAS	Voltage Inverter 12V to 24V without quick fit connectors



**WABCO > CABLES & TEBS-E COMPONENTS****WABCO Cables & TEBS-E Series Components.****WABCO**




	Part Number	Description
	SMARTBOARD -E	Smartboard display Kit E Version with 6 m cable
	SMARTBOARD-E-12M	Smartboard display Kit E Version with 12 m cable
	446 192 110 0	Smartboard display
	446 192 111 0	Smartboard display unit ADR
	449 911 060 0	TEBS-E Smartboard Cable 6m
	449 911 120 0	TEBS-E Smartboard Cable 12m
	971 002 900 0	Park Release Emergency Valve (PREV)
	971 002 103 4	PREV valve plate only
	971 002 923 2	Red Knob Assembly
	971 002 924 2	Black Knob Assembly
	472 170 606 0	24V N/C Solenoid Valve - M12 Ports
	472 173 206 0	24V N/O Solenoid Valve - M12 Ports
	472 170 637 0	12V N/C Solenoid valve - M16 Ports
	472 173 701 0	12V N/O Solenoid Valve - M12 Ports
	472 102 040 0	Multivolt N/O Solenoid Valve M12 Ports
	446 290 700 0	Optilink ECU
	449 927 120 0	Optilink Cable 12m



WABCO > CABLES & TEBS-E COMPONENTS

WABCO Cables & TEBS-E Series Components.

**WABCO**

	Part Number	Description
	441 032 967 2	Sensor cable suits: SAF BI9-19W, SKRS/RZ9022W, SKRB9019W, SKRB9019WI, SKRLZ9019W, SKRLZ9037, SL9-3718  Meritor
	441 032 808 0	SAF Sensor cable suits: SKRLB9019W, SKRLB9019WI, SKRLZ9030, ZL8-3718, SL9-4218, S9-3718 & Z8-3718, Z9-3020, ZL9-3020, Z9-4218, Z10-4218, SKRZ9030, SKRS/RZ9037, SKRS/RZ9042, RZ11030, RZ/RS12242, KRZ16242
	899 759 815 4	Spring Clamp to suit SAF Sensor cable (as above).
	449 712 030 0	Wheel sensor extension cable - 3.0m
	449 712 064 0	Wheel sensor extension cable - 6.4m
	449 712 100 0	Wheel sensor extension cable - 10.0m
	441 032 809 0	Wheel sensor extension cable - 1.0m
	441 032 905 0	Wheel sensor straight extension cable - 0.35m
	441 032 968 2	Wheel sensor straight extension cable - 1.7m
	441 035 001 2	Mini Wheel Sensor and Bush Kit

**WABCO INTELLIGENT TRAILER PROGRAM** WABCO TEBS-E

**Increased safety and cost effectiveness  
in the manufacture, operation and  
maintenance of trailers.**

**Improve your Return on Investment  
by Customising your Trailer Solutions.**

The WABCO Intelligent Trailer Program is the leading solution used by New Zealand's premier transport and logistics companies. For local representatives Transpecs and TWL, we seek to deliver safety through a world-class generation of fleet operators complemented by the very best technology and lifetime support.

The WABCO Intelligent Trailer Program is a technology that has a vast range of safety and operational benefits for heavy trucks and trailers. It combines the very best in EBS (electronic brake system) to optimise trailer performance whilst maintaining control & stability under all operating conditions.

The 'intelligent' nature of the system utilises integrated sensors that constantly monitor the dynamic driving condition, this includes trailer speed, mass, situation or environment. If an instance of potential rollover is detected, the trailer EBS will automatically intervene and apply the trailer brakes. Reducing vehicle speed significantly reduces the risks associated with high lateral acceleration.

**WABCO**

Mobilizing Vehicle Intelligence



The WABCO Intelligent Trailer has many other features, many of them customisable to the specific working environments of the vehicles. For instance WABCO's reverse monitoring system TailGuard' is a major safety enhancement for vehicles operating in the public domain or tight confined logistics environments. WABCO's Trailer Remote control is another example of providing a safer working environment for the vehicle operator. The system also includes reporting functions to assist with driver behaviour & development.

For local representatives Transpecs and TWL, we seek to deliver safety through a world-class generation of fleet operators complemented by the very best technology and lifetime support.

**Features & Benefits Overview****ADVANCED SAFETY AND  
DRIVER EFFECTIVENESS**

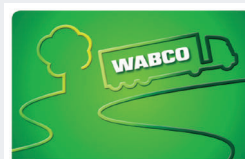
Reducing operating costs while increasing safety and comfort for your drivers.

**Driver Comfort**

- Operating Data Recorder
- Trailer Remote Control
- Return to Ride
- Traction Help
- Manoeuvre Assist
- Reverse Lock

**Advanced Safety**

- Tilt Alert
- Router & Repeater
- ABS / RSS
- TailGUARD
- Forklift Control
- Bounce Control
- Emergency Brake Alert

**VEHICLE EFFICIENCY  
AND ENVIRONMENT**

Functions that significantly contribute to increased safety & cost-effectiveness.

**Vehicle Efficiency**

- Lift Axle Control
- Load Level Memory
- Notebook Function
- Trailer Extension Control
- Multi Voltage

**Environment**










- ECAS
- Air Bellow Protector
- Axle Load Indicator
- Battery Charger











### WABCO INTELLIGENT TRAILER PROGRAM WABCO TEBS-E



#### Standard & Optional Features



STANDARD Features		
Feature	What it does	Benefit to you
<b>ABS Braking</b> 	WABCO Trailer ABS safely stops the trailer in critical situations.	<ul style="list-style-type: none"> <li>Allows the driver to control the vehicle in emergency maneuvers.</li> <li>Provides enhanced trailer stability.</li> <li>Prevents tyre damage.</li> </ul>
<b>Dual Load Sensing*</b> 	The brake delivery pressures are automatically adjusted to suit the mass of the trailer. CAN Detected = Proportional Braking. CAN Not Detected = Laden Braking.	<ul style="list-style-type: none"> <li>Equal brake forces reduces wear to tow couplings.</li> <li>Proportional braking reduces air consumption and lowers brake temperatures.</li> <li>Increased life of brake friction materials.</li> </ul>
<b>Emergency Braking</b> 	TEBS recognises an "Emergency stop" application.	<ul style="list-style-type: none"> <li>The EBS system provides the shortest possible stopping distance in a "Panic stop" situation.</li> <li>ABS prevents wheel lock.</li> </ul>
<b>Operating Data Recorder</b> (Via PC Diagnostics) 	A Black Box recorder that collects data from ALL trips and trailer related events including; speed, axle load, coupling pressure, time, distance, brake-wear, roll-over stability support (RSS) events, etc.	<ul style="list-style-type: none"> <li>Investigate &amp; improve the driving behavior of drivers.</li> <li>Investigate and optimize the load utilization of trailers.</li> <li>Optimise maintenance planning and investment.</li> </ul>
<b>Roll Stability Support</b> 	RSS prevents the trailer from rolling over during turning at excessive speed and during emergency maneuvers, within the physical boundaries of the vehicle.	<ul style="list-style-type: none"> <li>Automatically brakes the trailer before the driver realizes that the trailer starts rolling over.</li> <li>Supports the driver to avoid accidents at highway exits and during emergency maneuvers.</li> </ul>
<b>Note Book Function</b> (Via PC Diagnostics) 	The trailer builder or trailer owner can store data on the EBS memory: part numbers, vehicle identification data, contact details and more.	<ul style="list-style-type: none"> <li>Correct part numbers allow service centers to order the correct parts and eliminate errors.</li> <li>Reduces downtime during maintenance by eliminating search time for correct part numbers.</li> </ul>
<b>Multi Volt</b> 	Trailer can be connected to 12V and 24V trucks without power converters.	<ul style="list-style-type: none"> <li>Fleets operating their trailers with a mix of European &amp; US trucks.</li> <li>Helps to avoid external power converter.</li> <li>Enables the use of programmable GIO functions.</li> </ul>
<b>Axle Load Indicator</b> 	Trailer axle load information is sent via CAN to the towing vehicle.	<ul style="list-style-type: none"> <li>Displays the weight of the cargo loaded on your trailer.</li> <li>Allows to maximize the load on your trailer while avoiding overload penalties.</li> </ul>
<b>Service Signal</b> 	The ABS warning lamp alerts the driver when a scheduled service is required by flashing slowly 8 times after the ignition has been switched on.	<ul style="list-style-type: none"> <li>The operator is notified that a scheduled service is required.</li> <li>Regular maintenance checks.</li> </ul>

**WABCO INTELLIGENT TRAILER PROGRAM** WABCO TEBS-E**Standard & Optional Features****WABCO****Customise** your WABCO intelligent trailer to your specific business needs >>>












<b>&gt; OPTIONAL Features with ECAS (Electronically Controlled Air Suspension)</b>		
<b>Feature</b>	<b>What it does</b>	<b>Benefit to you</b>
<b>Load Level Memory</b> 	The trailer lifts or lowers automatically to 2 programmable height levels, by using the Trailer Remote Control or Smartboard.	<ul style="list-style-type: none"> <li>Reduces the turnaround time when you frequently (un)load at loading bays with different height levels.</li> <li>To automatically maintain a specific height during (un)loading.</li> </ul>
<b>ECAS 2-Point Control</b> 	Keeps the trailer horizontal, when the cargo is not equally loaded on the chassis.	<ul style="list-style-type: none"> <li>Stabilizes trailer during loading &amp; driving with non-balanced load.</li> <li>Recommended for drawbar trailers and vehicles with independent suspension for left and right side.</li> </ul>
<b>ECAS Multiple Driving Level</b> 	Always the right height for best vehicle efficiency.	<ul style="list-style-type: none"> <li>Saves fuel by lowering the trailer on good road conditions.</li> <li>Improves the stability of the vehicle at high speed.</li> <li>Up to 4 driving levels programmable.</li> </ul>
<b>ECAS Green Warning Lamp</b> 	Visual check for driver; - ON: "Trailer is not at normal driving level". FLASHING: "ECAS system message".	<ul style="list-style-type: none"> <li>Visually alerts the driver when the suspension level is not correct for driving.</li> <li>Alerts the driver in case of suspension system messages.</li> </ul>
<b>Return to Ride</b> 	The trailer automatically returns to driving height level when the vehicle starts driving.	<ul style="list-style-type: none"> <li>Driver can start driving after (un)loading without leaving the truck cabin.</li> <li>Helps to avoid damage to chassis, axles and sensitive cargo.</li> <li>Helps to avoid crashes into bridges or entry gates.</li> </ul>
<b>Lift Axle Control</b> 	Lift Axle Control automatically lifts or lowers the lift axles, depending on the load in the trailer.	<ul style="list-style-type: none"> <li>Saves approximately up to 1 liter of fuel per 100km.</li> <li>Reduces tyre wear when the trailer is not fully loaded.</li> </ul>
<b>Manoeuvre Assist</b> 	Helps the trailer to better follow the driving path of the truck in curves and on roundabouts. It also allows better manoeuvring on small areas.	<ul style="list-style-type: none"> <li>Easier turning on roundabouts.</li> <li>Avoid hitting obstacles when turning left or right on corners.</li> <li>Increase the lifetime of your tyres.</li> </ul>
<b>Air Bellow Protector</b> 	EBS E2 automatically keeps a predefined residual pressure in the air bellows of tag axles.	<ul style="list-style-type: none"> <li>Helps to avoid bounce, swimming and ramping of bellows when the axle is released</li> <li>Reduces amount of required components to realise the function.</li> </ul>

<b>&gt; OPTIONAL Features - Other</b>		
<b>Feature</b>	<b>What it does</b>	<b>Benefit to you</b>
<b>Emergency Brake Alert</b> 	Warns upcoming traffic of emergency situation by flashing the stop lights or an additional third light when the trailer brakes heavily or with RSS.	<ul style="list-style-type: none"> <li>Reduces risk of rear-end collisions.</li> <li>Reduces risk of involvement in accidents and injuring people.</li> </ul>
<b>Battery Charger</b> 	ELEX has the ability to charge auxiliary batteries used to power peripheral equipment.	<ul style="list-style-type: none"> <li>The trailer becomes self-sufficient.</li> <li>There is no requirement for a separate truck/trailer interface to charge the trailer battery.</li> </ul>

### WABCO INTELLIGENT TRAILER PROGRAM WABCO TEBS-E

#### Standard & Optional Features

**WABCO**

> OPTIONAL Features - Other Continued		
Feature	What it does	Benefit to you
<b>Reverse Lock</b> 	Automatically locks the trailers steering axle when the driver selects reverse gear.	<ul style="list-style-type: none"> <li>Ensures the steering axle lock remains engaged even if the driver has to correct a reversing manoeuvre by disengaging reverse and driving forward.</li> </ul>
<b>Trailer Extension Control</b> 	EBS blocks a selected number of wheels at the rear of the trailer, and unblocks the front trailer wheels, to allow easy extension of the rear trailer part.	<ul style="list-style-type: none"> <li>Helps to avoid that front tires of the trailer scrape over the ground while extending the trailer.</li> <li>Faster extending of trailer.</li> </ul>
<b>Trailer Safety Brake</b> 	Automatically brakes the truck-trailer combination during loading and unloading.	<ul style="list-style-type: none"> <li>Eliminates complex inhibitor systems.</li> <li>Prevents damage to trailer and infrastructure.</li> </ul>
<b>Truck Traction Help</b> 	Increases the grip of the trucks' driving axle on the ground, when starting to drive.	<ul style="list-style-type: none"> <li>Gives the truck wheels more grip to start driving, when you frequently drive up the hill or on slippery roads: sand, mud, snow, ice, etc.</li> </ul>
<b>SmartBoard</b> 	Trailer control unit with display provides trailer data and controls the EBS and suspension functions.	<ul style="list-style-type: none"> <li>Allows the driver to read out trailer information: axle load, ABS failure codes, kilometer status, and more.</li> <li>Allows activation of Intelligent Trailer functions in EBS and suspension.</li> </ul>
<b>TiltAlert</b> 	Alerts the driver before a tipper starts to tilt during unloading.	<ul style="list-style-type: none"> <li>Supports the driver to safely operate the vehicle when the trailer is parked on a non-horizontal surface.</li> <li>Helps to prevent tilting accidents with tippers.</li> </ul>
<b>Repeater</b> 	Intelligent device that reinforces the EBS signals for truck-trailer combinations exceeding 18 meters.	<ul style="list-style-type: none"> <li>ECE-R13 mandatory for vehicles with CAN bus longer than 18m.</li> <li>Allows axle load measuring on trailer trains and Euro-combi's.</li> <li>Electronic signal is faster than pneumatic signal.</li> </ul>
<b>Router</b> 	Intelligent device that connects multiple EBS units via separated CAN lines.	<ul style="list-style-type: none"> <li>Allows axle load measuring on trailer trains and Euro-combi's.</li> <li>Electronic signal is faster than pneumatic signal.</li> </ul>
<b>TailGuard</b> 	While reversing, the trailer stops automatically at 50cm from objects at the rear of the trailer.	<ul style="list-style-type: none"> <li>Helps avoid damage to the back of your trailer.</li> <li>Helps avoid damage to the ramp.</li> <li>Helps avoid accidents with objects/people behind trailer.</li> <li>Helps avoid downtime due to accidents.</li> </ul>
<b>Bounce Control</b> 	Prevents a parked trailer from "bouncing" after unloading.	<ul style="list-style-type: none"> <li>Helps to avoid damage to the trailer and the roof of unloading docks.</li> <li>Helps to avoid damage to sensitive cargo.</li> </ul>
<b>Trailer Remote Control</b> 	Displays the distance to detected objects behind trailer when TailGUARD is activated. Displays status of configured functions. Allows control of configured EBS & suspension functions. Displays trailer axle weights in-cab.	<ul style="list-style-type: none"> <li>Indicates the distance to objects behind the trailer.</li> <li>Increases driver comfort by controlling EBS and suspension functions from within the truck cabin.</li> <li>Reduces turnaround time when (un)loading.</li> <li>Eliminates dashboard switches.</li> <li>Convenient In-Cab trailer weight display.</li> </ul>

To find out more - Contact your local TWL branch, rep or Transpecs regional sales manager or brake team member.

**BRAKE CONSULTANCY SERVICES****Optimise your braking and safety with industry leading support available to you nationwide from Transpecs and TWL.**

As New Zealand's foremost braking specialists, the Transpecs and TWL brake team offers guidance and extensive experience to both transport manufacturers and fleets.

As heavy vehicle brake certifiers, the brake team is qualified to suggest the optimum braking solution for your truck or trailer. The braking team's goal is to provide a comprehensive and professional service that takes the time and worry out of braking for our customers.

**Truck / Bus / Trailer Braking Services****Brake Diagnostics**

Fleet compatibility is a key element of our service. This involves testing across the spectrum of trucks and trailers within a fleet to maximise braking effectiveness, safety and cost efficiencies for operators.

**Brake Certification**

Our brake certification service will ensure that trucks and trailers comply with current legislative requirements and meet desired cost efficiencies to maximise operational effectiveness.

**Brake System Design & Installation**

We can advise on specific brake system configurations to best meet your individual needs. We have experience in multiple configurations to meet specific operational and application requirements.

**System Supply & Aftermarket Support**

Our comprehensive range supported by our nationwide team will ensure rapid access to braking systems and components.

**Expert Advice & Legislative Change**

Our experienced team can offer advice on all facets of heavy transport braking and the changing landscape of legislative requirements and technology.



The Brake Consultancy team are based throughout New Zealand.

**Contact the Brake Team**

John Hirst	Braking Team Manager	029 233 4816
Billy Sinclair	Upper North Island	021 592 331
Ron Pratt	Central North Island	029 274 1978
Rudi Victor	Lower North Island	029 2790 894
Geoff Duffy	Lower North Island	029 2443 770
Lance Cawte	South Island Manager	029 2006 086
Paul Streeter	South Island	029 2345 165
John Clarkson	South Island	021 872 962
Kaiden Clarke	South Island	021 947 707

[transpecs.co.nz/products/brake-consultancy/](https://transpecs.co.nz/products/brake-consultancy/)



## WABCO BRAKING & INTELLIGENT TRAILER TRAINING

**TWL and Transpecs offer industry colleagues access to specialised brake training to support both the individual and collective growth of the New Zealand Road Transport Industry.**

**WABCO**

### Basic Brake & WABCO Diagnostic Training

**Enhance knowledge of basic brake systems and diagnostic technique.**

**Pre-requisites:**

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

**Aim:**

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

**To find out more** - email [WabcoTraining@transpecs.co.nz](mailto:WabcoTraining@transpecs.co.nz) or call us on (09) 909 8340.



### Advanced Brake: System Design & Commissioning

**Learn about the brake certification process from conception to commissioning.**

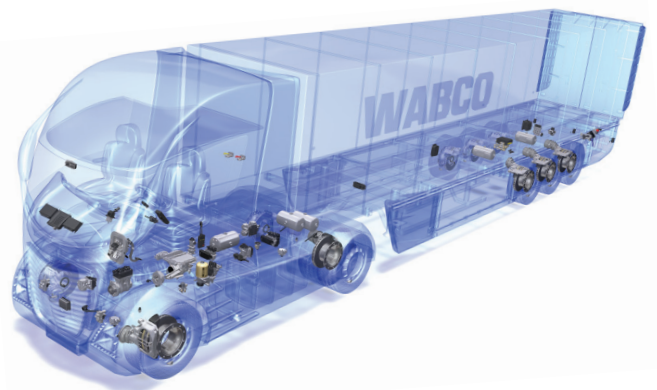
**Pre-requisites:**

- Personal Protection Equipment (PPE).
- Competent computer usage.
- Successfully completing the Basic Brake & Diagnostic training test paper with a score = 85%.
- Calculator.

**Aim:**

- To provide an understanding of legislative requirements.
- Demonstrate the fundamentals of trailer braking system design & compliance.
- Successfully complete an End Of Line procedure on a TEBS-E brake control system.
- Advance technical competence in trailer electronic control systems.

**To find out more** - email [WabcoTraining@transpecs.co.nz](mailto:WabcoTraining@transpecs.co.nz) or call us on (09) 909 8340.



### Heavy Vehicle Stability & Control Driver Training Programme

**We've partnered with TR Master Drive Services to deliver this unique course throughout New Zealand. Designed for drivers, it is also highly appropriate for other team members in management, supervisory, fleet management and health and safety roles.**

**Course Benefits:**

- It's the only one of its kind in New Zealand. Nowhere else can you get both the theory and practical experience of heavy vehicle stability, roll over dynamics. This is real, in cab hands on learning. By completing this course you will experience a vehicle roll over and learn how to prevent it.
- A practical and theory-based course designed to provide drivers with advanced skills, knowledge and awareness of the dynamics associated with heavy vehicles during cornering, braking, emergency steering manoeuvres, and in the event of a jack knife.
- Ideally suited for drivers of vehicles with a high centre of gravity (livestock, Rubbish collection, General freight, Concrete, Liquid loads) in either a truck and trailer unit or a Semi Trailer / B-Train
- You will be professionally trained by qualified and experienced instructors.



**Aim:**

- Train drivers to have an awareness of the dynamics at work during cornering, braking, emergency steering manoeuvres and in the event of a jack knife.
- To increase safety by reducing the incidence of the following: - Loss of vehicle control - Travelling too fast - Failure of the driver to drive to the conditions - Single vehicle crashes - Rollovers on bends

**To find out more** - <https://www.masterdrive.co.nz/courses/heavy-vehicle-stability-control-driver-training-programme/>