

WABCO

INTELLIGENT TRAILER PROGRAM

**NEW ZEALAND'S LEADING
INTELLIGENT TRAILER PROGRAM**



**IMPROVE YOUR RETURN ON INVESTMENT
BY CUSTOMISING YOUR TRAILER SOLUTIONS.**

WABCO

GOUGH Transpecs

Intelligent Trailer Program TEBS-5 - May 2016

INTELLIGENT TRAILER PROGRAM



**REDUCING OPERATING COSTS WHILE INCREASING
SAFETY AND COMFORT FOR YOUR DRIVERS.**

>VEHICLE EFFICIENCY



Lift Axle Control



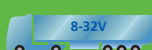
Load Level Memory



Notebook Function



Trailer Extension Control



Multi Voltage

>ENVIRONMENT



ECAS



Air Bellow Protector



Axle Load Indicator



Battery Charger



ZERO ACCIDENTS

WABCO Intelligent Trailer Programme supports the European Road Charter and the Decade of Traffic Safety, a European initiative launched in 2011 to reduce accidents by more than 50% before 2020 and save more than 25,000 lives. WABCO & Transpecs extend this commitment to improved safety in the New Zealand marketplace.

→ EXCEPTIONAL FEATURES >>



**ADVANCED SAFETY AND
DRIVER EFFECTIVENESS**

**FUNCTIONS THAT SIGNIFICANTLY CONTRIBUTE
TO INCREASED SAFETY & COST-EFFECTIVENESS.**

>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





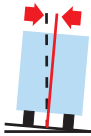




**CUSTOMISE YOUR INTELLIGENT TRAILER SYSTEM
TO YOUR SPECIFIC REQUIREMENTS ...**



STANDARD & OPTIONAL FEATURES









CUSTOMISE YOUR INTELLIGENT TRAILER TO YOUR SPECIFIC BUSINESS NEEDS >>>

> STANDARD Features:




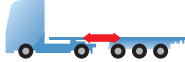


Feature:		What it does:	Benefits to you:
ABS Braking		WABCO Trailer ABS safely stops the trailer in critical situations.	<ul style="list-style-type: none"> Allows the driver to control the vehicle in emergency maneuvers. Provides enhanced trailer stability. Prevents tyre damage.
Dual Load Sensing*		The 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"> Equal brake forces reduces wear to tow couplings. Proportional braking reduces air consumption and lowers brake temperatures. Increased life of brake friction materials.
Emergency Braking		TEBS recognises an "Emergency stop" application.	<ul style="list-style-type: none"> The EBS system provides the shortest possible stopping distance in a "Panic stop" situation. ABS prevents wheel lock.
Operating Data Recorder (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"> Investigate & improve the driving behavior of your drivers. Investigate and optimize the load utilization of your trailers. Optimise maintenance planning and maintenance investment.
Roll Stability Support		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"> Automatically brakes the trailer before the driver realizes that the trailer starts rolling over Supports the driver to avoid accidents at highway exits and during emergency maneuvers.
Note Book Function (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"> Correct part numbers allow service centers to order the correct parts and eliminate errors. Reduces downtime during maintenance by eliminating search time for correct part numbers.
Multi Volt		Trailer can be connected to 12V and 24V trucks without power converters.	<ul style="list-style-type: none"> Fleets operating their trailers with a mix of European & US trucks. Helps to avoid external power converter. Enables the use of programmable GIO functions.
Axle Load Indicator		Trailer axle load information is sent via CAN to the towing vehicle.	<ul style="list-style-type: none"> Displays the weight of the cargo loaded on your trailer. Allows to maximize the load on your trailer while avoiding overload penalties.
Service Signal		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"> The operator is notified a scheduled service is required. Regular maintenance checks.

**OPTIONAL
FEATURES:**
CUSTOMISE TO YOUR
FLEETS NEEDS

> OPTIONAL Features With ECAS: (Electronically Controlled Air Suspension)








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

> OPTIONAL Features - Additional:

Feature:		What it does:	Benefits to you:
Emergency Brake Alert		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"> Reduces risk of rear-end collisions. Reduces risk of involvement in accidents and injuring people.
Battery Charger		ELEX has the ability to charge auxiliary batteries used to power peripheral equipment.	<ul style="list-style-type: none"> The trailer becomes self-sufficient. There is no requirement for a separate truck/trailer interface to charge the trailer battery.
Reverse Lock		Automatically locks the trailers steering axle when the driver selects reverse gear.	<ul style="list-style-type: none"> Ensures the steering axle lock remains engaged even if the driver has to correct a reversing manoeuvre by disengaging reverse and driving forward.
Trailer Extension Control		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"> Helps to avoid that front tires of the trailer scrape over the ground while extending the trailer. Faster extending of trailer.
Trailer Safety Brake		Automatically brakes the truck-trailer combination during loading and unloading.	<ul style="list-style-type: none"> Eliminates complex inhibitor systems. Prevents damage to trailer and infrastructure.
Truck Traction Help		Increases the grip of the trucks' driving axle on the ground, when starting to drive.	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.

**OPTIONAL
FEATURES:**
CUSTOMISE TO YOUR
FLEETS NEEDS

> OPTIONAL Features continued:

Feature:		What it does:	Benefits to you:
SmartBoard		Trailer control unit with display provides trailer data and controls the EBS and suspension functions.	<ul style="list-style-type: none"> Allows the driver to read out trailer information: axle load, ABS failure codes, kilometer status, and more. Allows activation of Intelligent Trailer functions in EBS and suspension.
TiltAlert		Alerts the driver before a tipper starts to tilt during unloading.	<ul style="list-style-type: none"> Supports the driver to safely operate the vehicle when the trailer is parked on a non-horizontal surface. Helps to prevent tilting accidents with tippers.
Repeater		Intelligent device that reinforces the EBS signals for truck-trailer combinations exceeding 18 meters.	<ul style="list-style-type: none"> ECE-R13 mandatory for vehicles with CAN bus longer than 18m. Allows axle load measuring on trailer trains and Euro-combi's. Electronic signal is faster than pneumatic signal.
Router		Intelligent device that connects multiple EBS units via separated CAN lines.	<ul style="list-style-type: none"> Allows axle load measuring on trailer trains and Euro-combi's. Electronic signal is faster than pneumatic signal.
TailGuard		While reversing, the trailer stops automatically at 50cm from objects at the rear of the trailer.	<ul style="list-style-type: none"> Helps to avoid damage to the back of your trailer. Helps to avoid damage to the ramp. Helps to avoid accidents with objects/people behind the trailer. Helps to avoid downtime due to accidents.
Bounce Control		Prevents a parked trailer from "bouncing" after unloading.	<ul style="list-style-type: none"> Helps to avoid damage to the trailer and the roof of unloading docks. Helps to avoid damage to sensitive cargo.
Trailer Remote Control		<ul style="list-style-type: none"> 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"> Indicates the distance to objects behind the trailer. Increases driver comfort by controlling EBS and suspension functions from within the truck cabin. Reduces turnaround time when (un)loading. Eliminates dashboard switches. Convenient In-Cab trailer weight display.

EXPERT SUPPORT:

**DISCUSS YOUR NEEDS WITH THE TRANSPICS BRAKING TEAM
TO DEVELOP AN OPTIMAL SOLUTION FOR YOUR BUSINESS.**



BRAKE CONSULTANCY SERVICES

GOUGH **Transpecs**

GOUGH **TWL**
TRANSPORT WHOLESALE

**PROVIDING A COMPREHENSIVE AND PROFESSIONAL SERVICE THAT
TAKES THE TIME AND WORRY OUT OF BRAKING FOR YOUR BUSINESS ...**



THE BEST IN BRAKING

As New Zealand's foremost braking specialists, the Transpecs team offers guidance and extensive experience to both transport manufacturers and fleets. As heavy vehicle brake certifiers, this group 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 & trailers within a fleet to maximise braking effectiveness, safety & 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.

OPTIMISE BRAKING & SAFETY WITH THE TRANSPECS & TWL TEAMS.



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BRAKE CONSULTANCY SERVICES TEAM

**INDUSTRY
LEADING EXPERTISE
AVAILABLE TO YOU
NATIONWIDE**

WABCO

WABCO Vehicle Control Systems is a leading supplier of safety and control systems for commercial vehicles. For over 140 years, WABCO has pioneered breakthrough electronic, mechanical and mechatronic technologies for braking, stability, and transmission automation systems supplied to the world's leading commercial truck, trailer, and bus manufacturers.

WABCO's track record of technology leadership features some of the commercial vehicle industry's most important innovations including ABS and EBS braking systems. WABCO's aftermarket network supports fleet and truck owners over the lifetime of their vehicles through a range of products and services, a global network of distributors and service centres, and state-of-the-art training centres.

Gough Transpecs is proudly New Zealand representative for WABCO. The partnership has been highly successful with the local market recognising WABCO's highly-reliable and innovative technologies. In particular WABCO EBS Intelligent Trailer systems are by far the New Zealand market leader with the 1000th braking system supplied for installation in 2008.



FIND OUT MORE ABOUT OUR TRANSPORT PRODUCTIVITY SOLUTIONS ...

TOLLFREE: 0800 875 669 | TRANSPECS.CO.NZ

GOUGH TRANSPECS A MEMBER OF **GOUGH GROUP** OUR COMMITMENT - YOUR SUCCESS

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