



AIR BRAKE CORPORATION OF AUSTRALIA P/L

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'eTASC'

Introducing 'eTASC', the new air suspension control from WABCO that combines advanced electronic ride level control with manual over-ride

eTASC is controlled by the WABCO **multi-volt** E-TEBS electronic braking system, in conjunction with a separate ride height sensor, to provide advanced electronic control of air suspensions with full manual over-ride of raise/lower functions in a single compact package.

Electronic control provides sophisticated features not available with conventional pneumatic only suspension control devices, such as...

- ✓ Electronically delayed response in motion for reduced air consumption.
- ✓ Instant response when stationary for rapid changes to load or dock level.
- ✓ Push button raise/lower control via optional SmartBoard (if fitted), or from truck cab via optional Trailer Remote Control (also requires 'ELEX' module on trailer).
- ✓ Automatic return to ride height ('RTR') in motion prevents suspension damage.
- ✓ Programmable speed dependant ride height automatically lowers suspension above a programmed speed for reduced drag and improved high speed stability.

In addition, the manual over-ride control allows the suspension to be raised or lowered at will via the control lever, even if there is no power from the towing vehicle (for example, when the trailer is uncoupled at a loading dock).

This manual control also provides a 'limp-home' function if the power supply from the towing vehicle to the trailer is compromised (a shortcoming of electronic only systems that can allow the suspension to settle on its bump stops if air pressure decays without power). The manual control allows periodic manual adjustment of driving level to compensate for air leaks until the power supply can be restored.

TEBS
+
eTASC = **better brake control**
better suspension control
safer, more productive trailers

Contact your nearest AIR BRAKE CORPORATION representative for details.

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MULTIVOLT E-TEBS



With antilock, load proportioning, & roll stability functions, our latest multivolt E4-TEBS will have you prepared and ready for ALL of the new ADR38 revisions that are on the way...

All of the proven features of the previous D-TEBS generation...

- ✓ More responsive 'car like' brake feel & shorter stopping distance (15% to 20% shorter with discs).
- ✓ Faster brake applications with synchronous truck & trailer braking (no lag or trailer push).
- ✓ Even brake wear & consistent pedal feel at all loads with integral electronic load proportioning.
- ✓ Guaranteed stability via integral ABS with improved efficiency for reduced air consumption.
- ✓ Active rollover protection via integral 'RSS' Roll Stability System.
- ✓ In-dash display of trailer axle weight (via CAN bus to compatible EBS towing vehicles).
- ✓ Sensing & in-dash warning of low trailer air pressure.
- ✓ Comprehensive PC programming & diagnosis.
- ✓ Sensing & in-dash warning of disc pad wear limits with optional wiring harness



PLUS advanced new features of E4-series TEBS...

- ✓ Native multivolt capability will operate with towing vehicle power supplies from 9 to 30 volts.
- ✓ Multivolt connector available to enable connection of any ABS/EBS towing vehicle, 12V or 24V.
- ✓ Downward facing connector arrangement with enhanced seals for improved moisture protection.
- ✓ Reduced power consumption for more reliable multi-trailer operation with more trailers.
- ✓ CANrouter in all lead trailer kits relays electronic brake signal to all other trailers in combination for faster braking behind any ABS or EBS truck.
- ✓ All trailers braked when any trailer is in RSS mode for improved roll stability on roadtrains.
- ✓ Load proportioning can now be disabled behind non-EBS towing vehicles for improved compatibility.
- ✓ Simplified load sensing for mechanical suspensions.
- ✓ Expanded data logging functions with increased trip memory records distance, speed, axle load, ABS & RSS events & various other operating parameters for comprehensive fleet management analysis.
- ✓ Optional 'SmartBoard' displays all trailer axle group loads separately in tonnes. (replaces on board scales).
- ✓ Optional 'SmartBoard' (with battery) provides odometer function even when E-TEBS is unplugged. (replaces hubometer).
- ✓ Optional 'TailGUARD' reversing sensor kits warn of obstacles & apply brakes automatically.
- ✓ Optional 'LACV' kits automatically control lift axle/s with manual override via optional 'SmartBoard'.
- ✓ Optional multivolt 'eTASC' electronic suspension control provides advanced suspension control, including speed dependant ride height (less drag & improved stability), raise/lower control (via manual lever or optional 'SmartBoard') with automatic return to ride, etc.
- ✓ Multiple programmable GIO (general input/output) ports for customised functions like...
 - Activation of stoplight and/or tag trailer brakes when roll stability intervention is active.
 - Speed dependant switching functions (EG: self-steer axle lock over certain speed).
 - Programmable warning functions (EG: rear door/tailgate open, suspension dumped, etc)...
 - 'Tilt-Alert' can be wired to activate warning light and/or buzzer if tipping at dangerous angle.