



DR. AIR BRAKE

BRAKING INTO THE FUTURE



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the industry standard

DR. AIR BRAKE

ABOUT US

SPECIALISTS IN HEAVY TRUCK AIR BRAKE SYSTEMS.

With a rich history spanning back to the early 90s, Doctor Air Brake has been at the forefront of Heavy Truck Air Brake Systems expertise. Founded by Jeff Lowe in response to overwhelming demand from fleet customers seeking technical support for ABS and Air Brake fault finding, our journey began with a commitment to excellence in braking and electronic systems diagnostics for trucks and trailers.

Recognising the limitations of available diagnostic equipment, Jeff took matters into his own hands and pioneered the development of cutting-edge solutions tailored to the unique challenges faced by mechanics and technicians. The result? A comprehensive range of diagnostic tools designed to streamline fault finding, MOT failure resolution, and general HGV maintenance, empowering users to tackle complex issues with ease.

Our pioneering spirit led to the creation of groundbreaking products like the Trailer-Check, a portable 24v power box revolutionising trailer electrical systems diagnostic. Building on this success, we merged Wabco and Haldex Code Readers into a single, user-friendly package, setting new standards for efficiency and effectiveness in diagnostics.

However, our commitment to innovation didn't stop there. In 2006, we made a significant investment in Code-Talk, a revolutionary diagnostic fault code reader meticulously crafted for trailer ABS and EBS braking systems. Developed in collaboration with electronics designer Robin Arnold, this state-of-the-art tool deciphers diagnostic messages with unparalleled accuracy, boasting a comprehensive library of over 24,000 lines of code.

Since its inception, Doctor Air Brake has remained dedicated to pushing the boundaries of diagnostic technology, continuously evolving to meet the ever-changing needs of the industry. With a legacy of innovation and a steadfast commitment to excellence, we are proud to be your trusted partner in heavy truck braking systems diagnostics.



VTC VAN TRAILER CHECK

Key Features:

Comprehensive Testing Capabilities:

The unit adeptly conducts assessments encompassing lighting, ABS-EBS-CAN circuits, and all air brake systems in trailers, streamlining the diagnostic process.

- **Flexible Power Source:** Functionality is facilitated through the utilization of the technician's vehicle batteries (24V System) or via a mains PSU (110V and 240V), ensuring operational adaptability based on the prevailing power availability.
- **Streamlined Connection Process:** Connecting the unit's air and electrical lines to the trailer effortlessly allows for a holistic evaluation of lights, ABS-EBS, and air brake circuits in a singular operation.
- **Remote Control Functionality:** The system includes an optional Wireless remote control feature for safe brake operation, aiding in assessing components like slack adjusters and identifying excessive wear during close examination near the axles. Additionally, air pressures at the chamber can be accurately measured using the remote control for enhanced diagnostics.
- This all-encompassing tractor unit encapsulates convenience and efficiency, empowering technicians with the tools to conduct comprehensive trailer diagnostics and service operations effectively. For further customization options regarding wired or wireless remote control, please do not hesitate to reach out and discuss your requirements.
- **Enhances Efficiency:** Drastically reduces the time required for servicing, inspections, and fault detection on trailers.

Product Features:

- **Promotes Safety:** Puts you in control while eliminating the need for a noisy, smoky tractor unit at the forefront, ensuring a safer working environment.
- **Streamlines Brake Testing:** Simplifies brake testing, making it manageable for a single operator.
- **Boosts Earnings:** Enables the efficient handling of multiple trailers, ultimately leading to increased revenue generation.



VTC (Lite)

Key Features:

This is a smaller and more compact Tractor unit in a box, offering most of the same technology as its big brother to our Van Trailer Check but without the ability to link external diagnostic equipment to it.

Offering one-man quick Mobile or Workshop Trailer Service & Diagnostics.

Tests lighting, ABS-EBS-CAN circuits and all Air Brake systems on trailers in one unit.

Powered from batteries within the technician's own vehicle (24V System) or via mains PSU (110v and 240V), you simply connect the units Air and Electrical lines into trailer, this allows you to test ALL lights, ABS-EBS & Air Brake circuits in one go, you can also operate via a small remote fob the lights, so you can check these whilst walking around the actual trailer.

The VTC Lite is as you would expect comes with all the normal build quality Dr Air-Brake, but as this is what is classed as "Compact" it will not as standard come with the Suzie leads but these can be purchased for a small optional cost, please just ask,

- Enhances Efficiency: Drastically reduces the time required for servicing, inspections, and fault detection on trailers.
- Promotes Safety: Puts you in control while eliminating the need for a noisy, Smokey tractor unit at the forefront, ensuring a safer working environment.
- Streamlines Brake Testing: Simplifies brake testing, making it manageable for a single operator.
- Boosts Earnings: Enables the efficient handling of multiple trailers, ultimately leading to increased revenue generation.



DR. AIR BRAKE TRAILER SCOPE

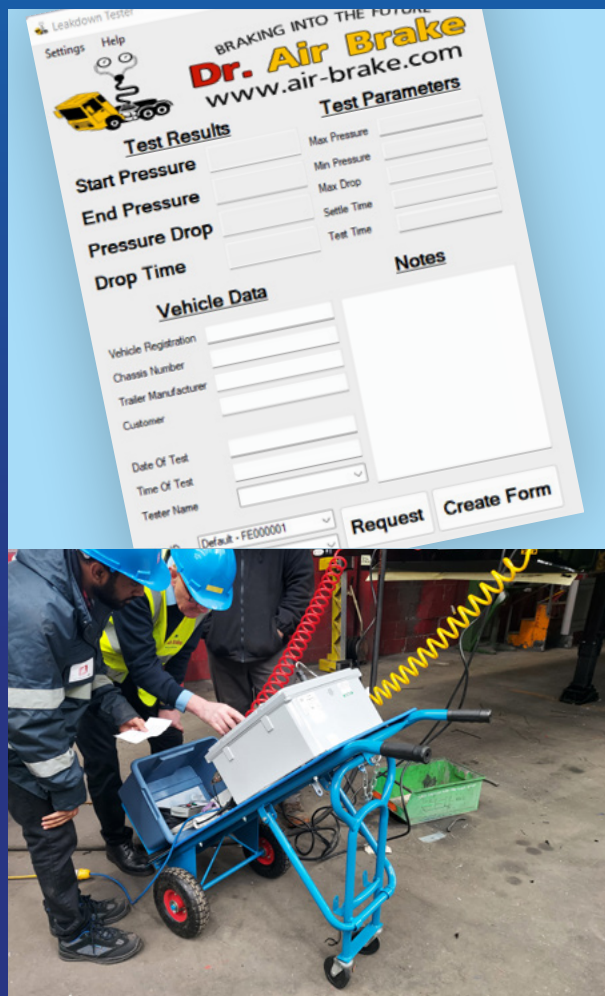
Key Features:

Trailer Scope represents a highly sophisticated Trailer Tester, meticulously engineered for trailer manufacturers seeking to ensure Conformity of Production as an integral component of their Quality Manufacturing System. This comprehensive testing solution conducts simultaneous assessments, including leak detection for both brake and suspension systems, as well as thorough examinations of lights, EBS functionality, and fault diagnostics.

Incorporating optional modules, Trailer Scope extends its capabilities to include a precise Brake Response Timer (BRT) test, closely aligned with the stringent ECE13 regulations. Post each evaluation, the system facilitates the seamless transfer of Leak Down and BRT results wirelessly, directly onto a Laptop/PC via a dedicated USB Radio Dongle. EBS functionality is rigorously evaluated, while all lighting circuits are methodically powered in sequence, facilitating a meticulous visual inspection.

Product Features:

- Enhances Efficiency: Drastically reduces the time required for servicing, inspections, and fault detection on trailers.
- Comprehensive Leak Down Test spanning the entire pneumatic systems of the trailer.
- Optional Module for Brake Response Timer testing, meticulously aligned with ECE13 regulations.
- Wireless result download functionality, effortlessly transferring all results, including the BRT cross graph, to a laptop.
- Sequential powering of all lighting circuits, ensuring a thorough visual inspection.
- Rigorous evaluation of ABS-EBS functionality, verifying correct operation and performance.



CODE TALK II DIAGNOSTICS CODE READER

Key Features:

Introducing the enhanced Code Talk II from Doctor Air Brake, a state-of-the-art trailer diagnostics tool designed to streamline diagnostic processes and optimize efficiency. The latest iteration of Code Talk II features upgraded software, eliminating the necessity for various dongles. The connection is now effortlessly established by employing the provided breakout lead.

Code Talk II stands as a globally recognized diagnostics handheld fault code reader, catering to the diverse range of trailer manufacturers' ECU systems, including industry leaders such as WABCO, HALDEX, and KNORR-BREMSE, with a specialized focus on trailer ABS/EBS brake systems.

This advanced product simplifies usage by seamlessly interfacing with the trailer's ECU via the EBS socket, facilitated by the inclusive breakout lead. Code Talk II proficiently reads and clears any fault codes present within the trailer, ensuring a comprehensive diagnostic analysis. Moreover, the Code Talk II is equipped to display real-time air pressures, wheel speeds, and system voltages, offering invaluable insights for effective trailer diagnostics.

Additionally, the Code Talk II functions as a convenient remote control for our Vehicle Trailer Check (VTC) system, enabling operational flexibility from within the confines of your vehicle.

Product Features:

- No Dongles! direct connection via our breakout lead
- Reduces time taken to find trailer faults.
- Saves money by having braking diagnostics in house.
- Allows you to perform regular checks to the braking systems on the fleet.
- Stand-alone device with no other subscription fee.
- circuits, ensuring a thorough visual inspection.
- Rigorous evaluation of ABS-EBS functionality, verifying correct operation and performance.



TRAILER CHECK IN A CARRY CASE

Key Features:

The Trailer Check stands as a comprehensive portable power box kit, purpose-built for conducting thorough assessments of a trailer's lighting, ABS+EBS circuits, and CAN Line.

Incorporating rechargeable internal batteries and employing intelligent power management, this system possesses the capacity to conduct numerous trailer tests before prompting a recharge, signified by an audible alert. Furthermore, its design seamlessly integrates all cables within, ensuring a compact and easily transportable unit that functions being connected to a tractor unit. This feature proves particularly timesaving, especially when trailers are parked in close proximity, facilitating streamlined assessments.

The unit's recharging process is versatile, allowing for replenishment through a 12v aux socket or a complete charge via a mains charger, offering flexibility in power replenishment options.

Product Features:

- Intelligent power management & warning if low on power
- All cables stowed inside case no extra bags or Suzie's
- Can quickly test multiple trailers with EBS CAN line test
- Diagnostic mode to speed up electrical fault finding



TESTATOW

Key Features:

The Test A Tow is a Power Box for lighting, ABS & Fridge circuits on Caravans and Trailers without the towing vehicle. There's an Agri version for Agricultural Trailers fitted with full air ABS test. It comes in a small portable carry case with chargers & tow bar test lead.

Plugging into the trailer/caravan it acts as the towing vehicle. It can then test all circuits at the click of a button or by using the Radio key-fob remote. Another feature is that it tests the current load to the fridge. It can also be plugged into the Tow-Bar to test the Tow-Bar output and make sure there are no faults with a towing vehicle.

Product Features:

- Compact with powerful internal batteries
- Reduces time taken to repair trailer/caravan
- Makes a 2 person job into 1 & is clean energy
- Enables you to quickly find & repair fault



Key Features:

Introducing the Test-a-Tow Heavy Duty, a premier 12 Volt trailer and caravan light and wiring tester in its class. Representing the epitome of excellence, the TestaTow HD is meticulously engineered for heavy-duty usage. Equipped with an additional internal battery power, this advanced tester ensures a thorough assessment of various caravans and trailers on a single charge, aligning seamlessly with the standard practice of on-site testing in the trailer and caravan repair industry. Rest assured, this tester is a steadfast companion, committed to delivering reliable performance.

The TestaTow, a portable 12 Volt trailer wiring tester, is specifically designed for smaller trailers including models such as Ifor Williams, horseboxes, agricultural trailers, and caravans. With a dedicated radio remote control feature, it facilitates vehicle walk-around testing and enables visual rear towing vehicle inspections, streamlining the testing process for enhanced efficiency and accuracy.



TESTATOW HEAVY DUTY

POWER MANAGEMENT

Key Features:

Everything you need to successfully manage the power supply to your scrutineer or VTC.

All products are readily available and can be dispatched same day.

Please contact our sales office for more information on these products.

Dc-Dc 12v-24v
Sterling charger
DAB0012



Battery Balancer
DAB0012.12



Mains Transformer Power Supply
240v/110v
DAB0010



Anderson
4M x 175A
Extension Lead
DAB0012.3



Battery Monitor
DAB0012.5



Anderson to JumpStart
Croc-clips 1.5M 175A
DAB0012.04



ISO-CHECK

Key Features:

The utilization of ISO Check is pivotal for maintaining optimal functionality and compliance within the Tractor-Trailer dedicated connection. A visual indicator within ISO Check promptly notifies of any issues. When the trailer EBS operates seamlessly, ISO Check emits a reassuring green glow, signifying proper functionality. However, should an issue arise, ISO Check adeptly shifts its indication to a red light display, signalling the need for attention.

Furthermore, the premium model of ISO Check goes above and beyond by employing a flashing code to precisely identify the nature of the failure. This invaluable feature empowers operators to swiftly pinpoint the specific issue, facilitating timely resolution and aiding in fleet compliance efforts.

How it works:

- Firstly it measures voltages on all Power –CAN-Earth pins.
- If all are OK, it glows GREEN
- If there's a fault, it glows RED
- As an extra, premium version has RED light flash to show which circuit is faulty
- E.g. – 2 flashes means pin 2 is faulty



Key Features:

The ISO-T is permanently fitted to the trailer and lets you know if your ABS/EBS and CAN line communications are good or bad at a glance and with its easy-to-read display, drivers cannot go wrong. The ISO-T automatically works when the connected trailer is powered by the truck ignition and will display a green light if all is ok and a red light if there is a fault with the braking system including CAN communication lines. The ISO-T does this by measuring the voltages on all power lines and waits for the trailer ECU “handshake” with the tractor unit to confirm CAN lines are good. Both earth pins are also tested and if there is an issue the red light will illuminate.



- Ensures Compliance for Trailer EBS
- Quick and easy “go/no go” as your truck pulls out of your yard.
- Reduces risk of points under OCRS with DVSA.
- Reduces risk of accident or roll over with the trailer.
- Reduces time and cost of vehicle maintenance.
- Easy to install simple to read.
- Low price kit available for all levels of truck and trailer users.
- Multi-Voltage with auto-detect 12 or 24v and checks all lines including CAN.
- The kit comes with new screwed terminal socket and pre-drilled bracket to easily fit

ISO-T

REVERSE SMART RADAR AUTO BRAKING FOR ALL HGVs



Key Features:

The Radar Auto Braking from Doctor Air-Brake "Reverse Smart" is one of those items that is a **Must Have**. There are certain sectors that this is highly suitable for but in general no business that runs HGV vehicles will not benefit from having one fitted. From Road Sweepers, Refuse vehicles, Tarmac Rollers, Plant Vehicles to Just the normal truck and trailer, they all benefit.

The system will save money on frequent repairs to rear light cluster, bumpers, doors etc as well as going one step further and saving lives!

This is an Autonomous Braking system, when it detects objects within its programmable danger zone, the system will warn the driver and when necessary, STOP the vehicle via its service brake without driver interaction. The vehicle is brought to a controlled stop successfully and is more reliable than just applying the park brake. Using the park brake for such instances can have detrimental effect on other systems including the gear box).

As mentioned above this really does suit certain industries where the driver is perhaps having to concentrate on many factors like his crew walking behind the vehicle while reversing or pedestrians and other road users etc. We can also fit the system to forward motion when the vehicle is below a certain and again programmable MPH/KPH, i.e., Road Sweeper where the driver must watch the kerb line whilst also being aware of what is in front of him.

The main benefits of our products are:

- We pulse the Auto-brake, so it's not a sudden jolt and more of a controlled stop. Drivers prefer this and it does not damage the drive train, so no warranty issues.
- Because we write all software, we can tailor every installation to best suit vehicle application and customers wishes.
- The product is VCA approved and we as a designer/manufacture are VCA audited to ensure conformity of production.
- 30 years' experience in auto-braking on HGV's, with our TMA impact AIB mandated on every Truck mounted crash cushion vehicle in the UK & Ireland.
- Our system uses a specially designed 77Ghz radar to optimise performance especially onsite operations.



PARK BRAKE WARNING

Key Features:

Recent studies highlight an alarming increase in truck and bus rollaway incidents, persisting despite the presence of standard OEM warnings. The Park Brake Warning (PBW) system from Doctor Air Brake effectively addresses this issue by alerting the driver when any cab access door is opened without the park brake engaged. Moreover, this comprehensive system extends its functionality to monitor a range of critical variables that can significantly impact parking safety, including both driver and passenger doors, seat belt usage, and more.

- Dual Loud Voice Alert: Activates promptly the moment a door is opened without the park brake applied, delivering a clear and unmistakable warning.
- Low Air Situation Resolution: Effectively addresses low air situations that standard pressure sensors may not detect, ensuring accurate assessment of the park state.

- Reset Protocol: Once triggered, the system necessitates the application of the park brake before allowing a reset, reinforcing adherence to safety protocols.
- Enhanced Safety: Prioritizes the safety of workers and the public by mitigating the risk of rollaways, surpassing standard OEM warnings.
- Cost Efficiency: Offers cost savings by preventing potential vehicle and property damages.
- Legal and Insurance Benefits: Mitigates unwanted legal and insurance costs, promoting compliance and responsible operation.



We can upgrade this device to work with Auto-Brake so you have the best safety features in place.



IMPACT GUARDIAN

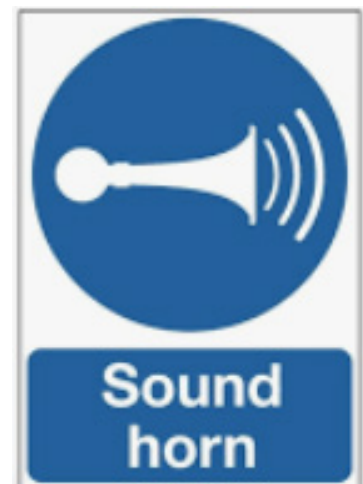
Enhancing safety measures for road workers within the work zone, the “Impact Guardian” system ensures heightened protection. This innovative system promptly activates the TMA’s horns the moment a vehicle, be it a car or a truck, makes contact with the Crash Cushion. A resonant 5-second horn blast serves as a vital alert to workers in the vicinity, prompting them to swiftly initiate personal safety measures.

The Horn Warning system, an integral component of the “Impact Guardian” technology, seamlessly integrates as a low-cost, plug-and-play add-on to our Auto-brake systems for TMA-equipped vehicles. Its versatility allows for swift retrofitting, immediately amplifying safety for workers positioned in front of the protective vehicle. This proactive safety feature affords these workers crucial time to safely manoeuvre out of harm’s way.

To further enhance the safety of your workforce we can provide our Guardmaster which applies the brakes the instant the crash cushion has contact from another vehicle. See our Guardmaster for more information.

Product Features:

- Helps Save lives with “Heads up” instant warning.
- Allows workers vital seconds to get out of the way.
- Alerts the whole worksite in real time.
- Can be easily retro-Fitted to our existing Auto-Brake system.



GUARD MASTER

This Guard Master from Doctor Air Brake applies all brakes instantly when a vehicle impacts the crash cushion. Used throughout the industry every day for over 22 years and well proven in reducing the risk to road workers where the TMA acts as a protection vehicle. Patented & VCA Type approved.

Our system works by automatically applying the brakes when impact occurs on the crash cushion and then prevents them being released. This helps prevent the IPV from being pushed into live traffic, reducing the risk of a possible accident. This also helps protect road workers from potential death or injury.

Product Features:

- Reduces risk of worker injury.
- Reduces the risk of multi-vehicle accident.
- Well respected & valued as a proven safety device.
- Type Approved by VCA @ MIRA UK.



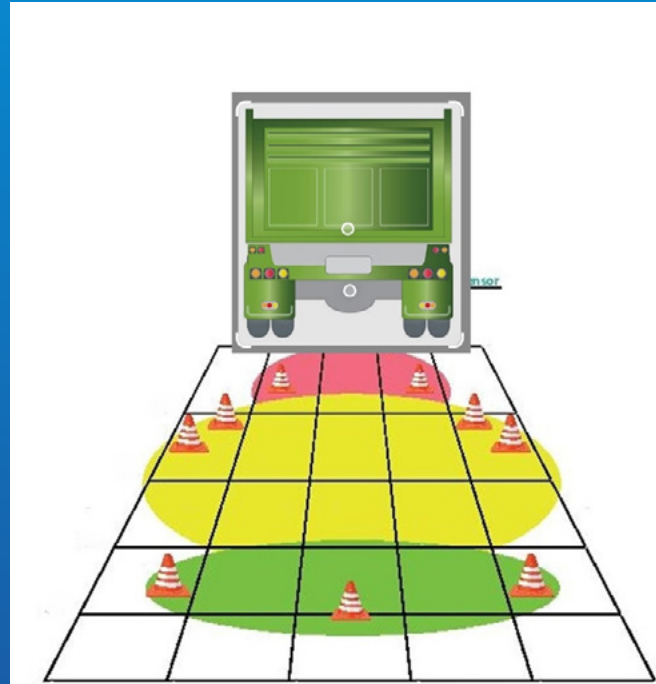
EASY DOC

Our system operates through the utilization of a highly sophisticated 77GHz radar sensor, meticulously designed to measure distances of up to 10 meters and the entire width behind the vehicle. The radar range is subdivided into three distinct zones. The in-cab display will show a sequential colour sequence of Green, Orange, and Red to caution the driver regarding object proximity, with a precision down to a 1-meter zone, when the brakes are activated for a duration of 3 seconds.

Following this time frame, the braking mechanism is automatically disengaged, enabling seamless reversal towards the loading dock. However, it's important to note that during this phase, all speed has been removed allowing the standard buffers to do their job.

Product Features:

- Reduces risk of worker related incidents.
- Reduces risk to pedestrian in public areas.
- Saves expense on vehicle repairs.
- Saves expense on property repairs.





DR. AIR BRAKE
BRAKING INTO THE FUTURE

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WWW.AIR-BRAKE.COM

SPECIALIST AIR BRAKE & ELECTRONIC ENGINEERS

- Family run business offering 1st class customer service.
- Specialists in Heavy Truck Market with over 30 years' experience in repairs and maintenance.
- Fully trained Technicians of the highest standards with continual improvements in place.
- Engine Diagnostics using the latest equipment.
- Electrical Diagnostics.
- ECU re-programming.
- ADAS.
- MOT Preparations.
- Engine & Gearbox Repairs.
- Truck & Trailer Inspections 6 weekly.
- Trailer Repair and Maintenance program.
- Suspension repair.
- Hydraulic repair.
- Mobile repairs.
- Brake test.
- Legal Documentation.
- Bosch Diagnostics.
- Trailer Diagnostics Manufacturer.



Haldex

WABCO

We are very fortunate to have some great service partners such as:

ALLTRUCKS
TRUCK & TRAILER SERVICE



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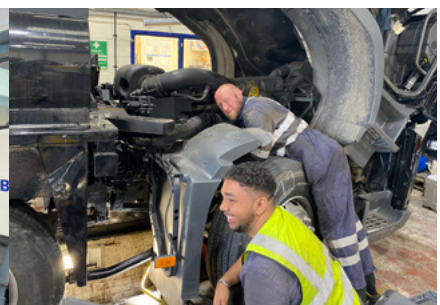


BOSCH



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SPECIALIST AIR BRAKE & ELECTRONIC ENGINEERS

CONTACT THE EXPERTS FOR HGV TRAILER DIAGNOSTICS,
REPAIRS, SERVICING, AUTO BRAKING, AND SAFETY IMPROVEMENTS.

MAIN OFFICE **TEL 01785 714447**

Jeff Lowe

Technical Director
jeff.lowe@air-brake.com

Mark Lowe

Operations Director
mark.lowe@air-brake.com

Sales

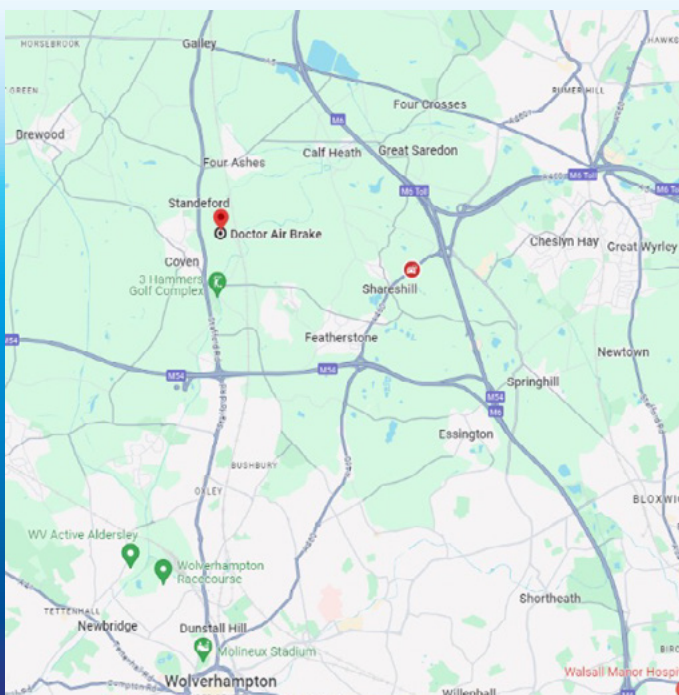
Sales@air-brake.com

Workshop

workshop@air-brake.com

Technical Support

support@air-brake.com



**UNIT 2 PARKSIDE GARAGE
OLD STAFFORD ROAD
COVEN
WOLVERHAMPTON
WV10 7PH**

WWW.AIR-BRAKE.COM