



TOAD UAU

TADDE-HPDS-03Pro

HUMAN PRESENCE DETECTION SYSTEM « TADDE-HPDS-03Pro »



OVERVIEW

Wireless Intelligent Human Presence Detection System

- is used to assist in vehicle safety inspections by collecting subtle tremors caused by vital signs (such as heartbeat, breathing, pulse, body movements, etc.) in the vehicle through a “microchip sensing terminal” attached to the inspected vehicle.

Working Principle

The system algorithm is used to intelligently analyze the tremors and determine whether there are hidden life objects in the vehicle, greatly improving the ability of duty personnel to prevent escape during vehicle safety inspections. The efficiency of anti smuggling work.

Application

HPDS is ideal for safety inspection of prisons, drug rehabilitation centers, border guards, and public security departments.



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BACKGROUND



Our latest research and development of the wireless intelligent microseismic life detection system utilizes wireless signal transmission technology to independently detect each module, with a long effective distance and no need for physical connections.

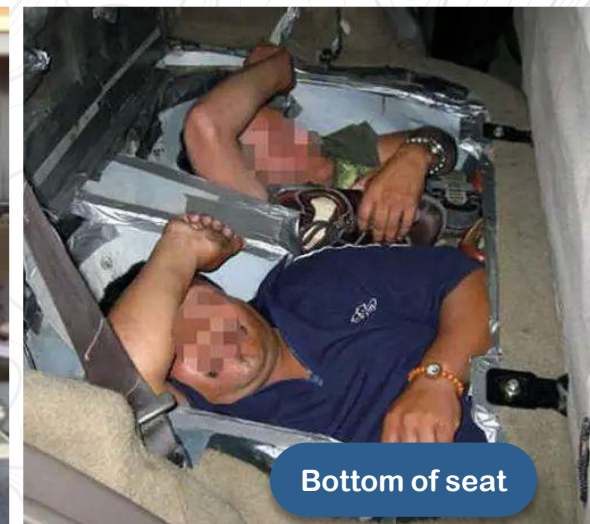
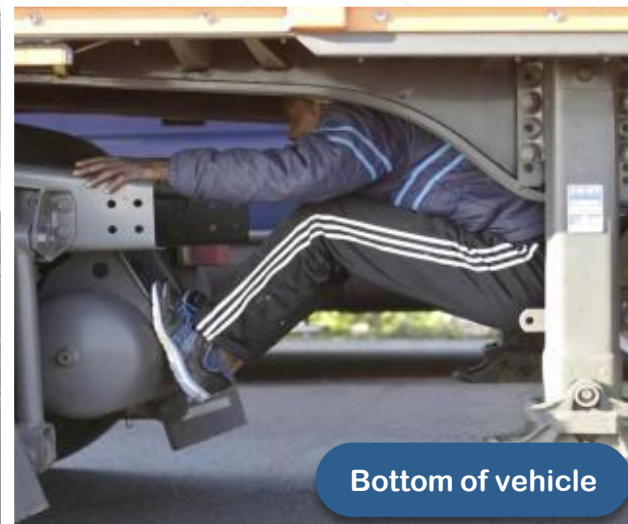
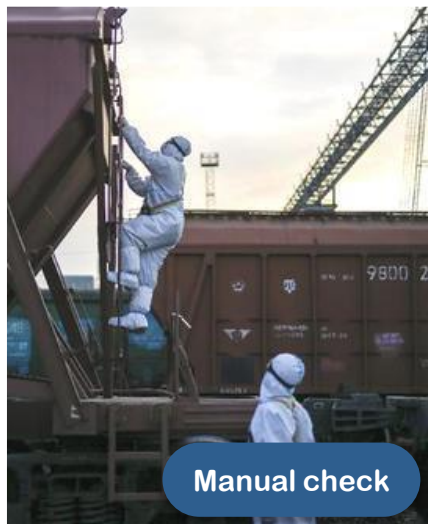
It no longer worries about tedious operational processes of previous inspection work (such as setting out, controlling, and resetting), and reduces the workload of duty personnel.

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CURRENT SITUATION ANALYSIS

- Illegal individuals hide in vehicles for illegal escape, with diverse and covert means, making inspection difficult, such as compartment compartments, car bottom grooves, etc. The entry and exit personnel and vehicles at the border are quite frequent, with repeated inspections and a large workload of duty personnel;
- Manual inspection, paper registration, and other procedures are cumbersome and pose certain safety hazards, making it difficult to trace accidents;
- The proportion of police officers is imbalances, and duty personnel work long hours and with high intensity. Long term fatigue and work efficiency cannot be guaranteed, which can easily lead to potential safety hazards.



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FUNCTIONS



Diverse Vehicle Models

- Supports all vehicle model inspections
 - Small sedan
 - Medium size passenger cars
 - Large truck



Easy Operation

- Clear and clear human-computer interaction interface
- Simple and easy operation
- One click start, one click detection



Convenient Detection

- No need to open the door or unload the vehicle
- Wireless connection, no wiring required
- Directly adsorb the car bottom, easy to operate



Flexible Expansion

- Support for expanding sensors
- Support for connecting external displays



Data Traceability

- Detection information recording
- Capturing images of people and vehicles
- Data record traceability



Multiple Alerts

- Software interface warning sound and light alarm
- Intuitive visual red and green warning lights
- Voice broadcast detection results



Wireless Inspection

- Wireless sensor terminal
- Wireless information collection and transmission
- Wireless monitoring terminal to prevent loss



Intelligent Charging

- Intelligent wireless magnetic suction charging
- Intelligent power monitoring
- Weak current immediately charges, full need immediately disconnects

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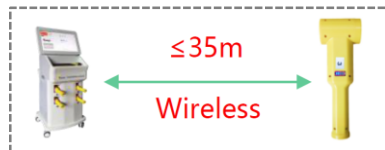


PRODUCT ADVANTAGES



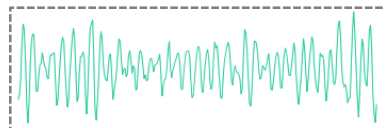
Wireless Portable Operation

- No need to retract/release cables, the sensing terminal is lightweight and easy to carry



Wireless Free Deployment

- No need for fixed point winding, ultra long distance free deployment



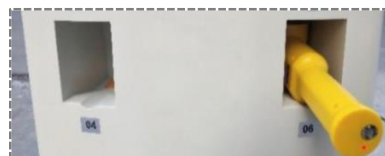
Wireless Information Collection

- No visual obstacles, ultra long distance information transmission



Wireless Intelligent Expansion

- The sending terminal can be expanded as needed, without being limited in quantity



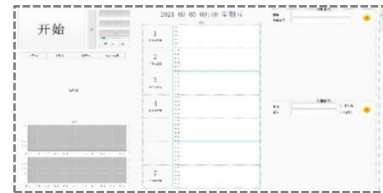
Wireless Intelligent Charging

- Wireless magnetic charging, battery monitoring, self charging and self stopping

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PRODUCT UNITS



1. Control System

- Integrated Control Center
- Command sending center
- Built in patented software



2. Touch Screen

- High Definition industrial capacitor display screen
- Touch screen convenient operation



3. Wireless Intelligent Charging Base

- Wireless magnetic suction adsorption charging
- Real time electricity monitoring
- Intelligent circuit protection (full and break)
- Inclined groove to prevent detachment

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PRODUCT UNITS



4. Thermostatic Device Control Switch

- Cabinet built-in constant temperature device
- Automatic/manual adjustment of internal temperature of cabinet machine
- Stable operation of the protection system
- USB expansion interface



5. One-click Start Switch

- Trigger button
- Intelligent lighting display



6. Wireless Operation Console

- 20 inch operation console
- Wireless keyboard and mouse for quick input of information

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PRODUCT UNITS



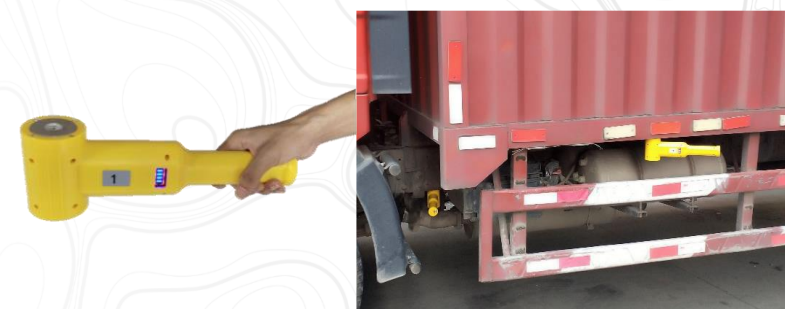
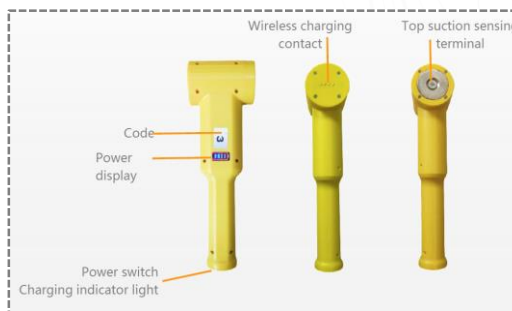
7. Industrial Universal Wheel

- 360° rotation direction
- Fixed bayonet



8. Handheld Wireless Vehicle Sensing Terminal

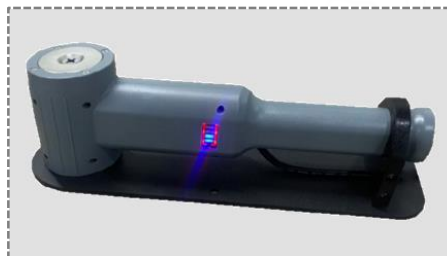
- Independent sensing chip
- Independent transmission chip
- Integrated magnetic attraction, sensing, and charging
- Top suction automatic adsorption
- Industrial plastic material



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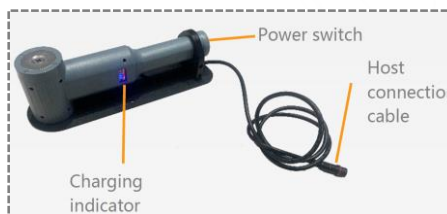
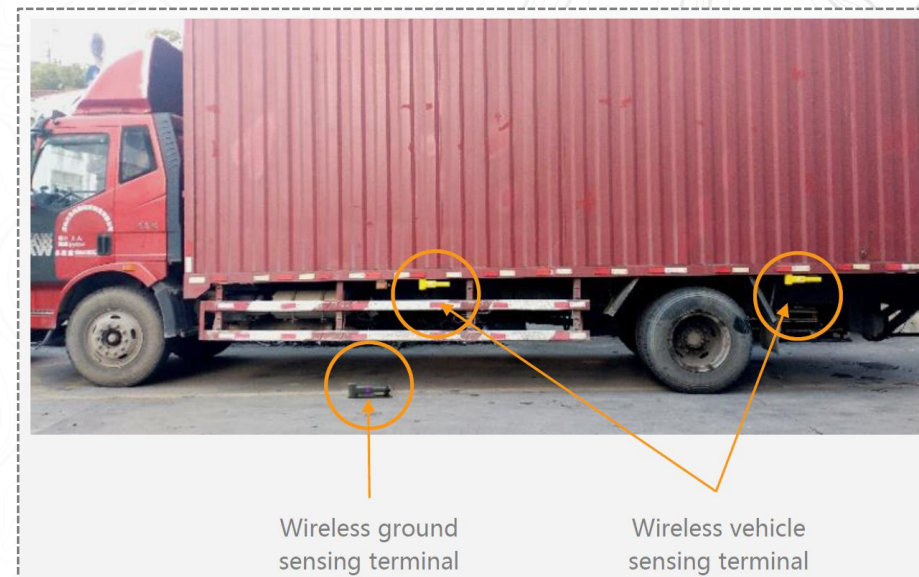


PRODUCT UNITS



9. Ground Sensing Terminal

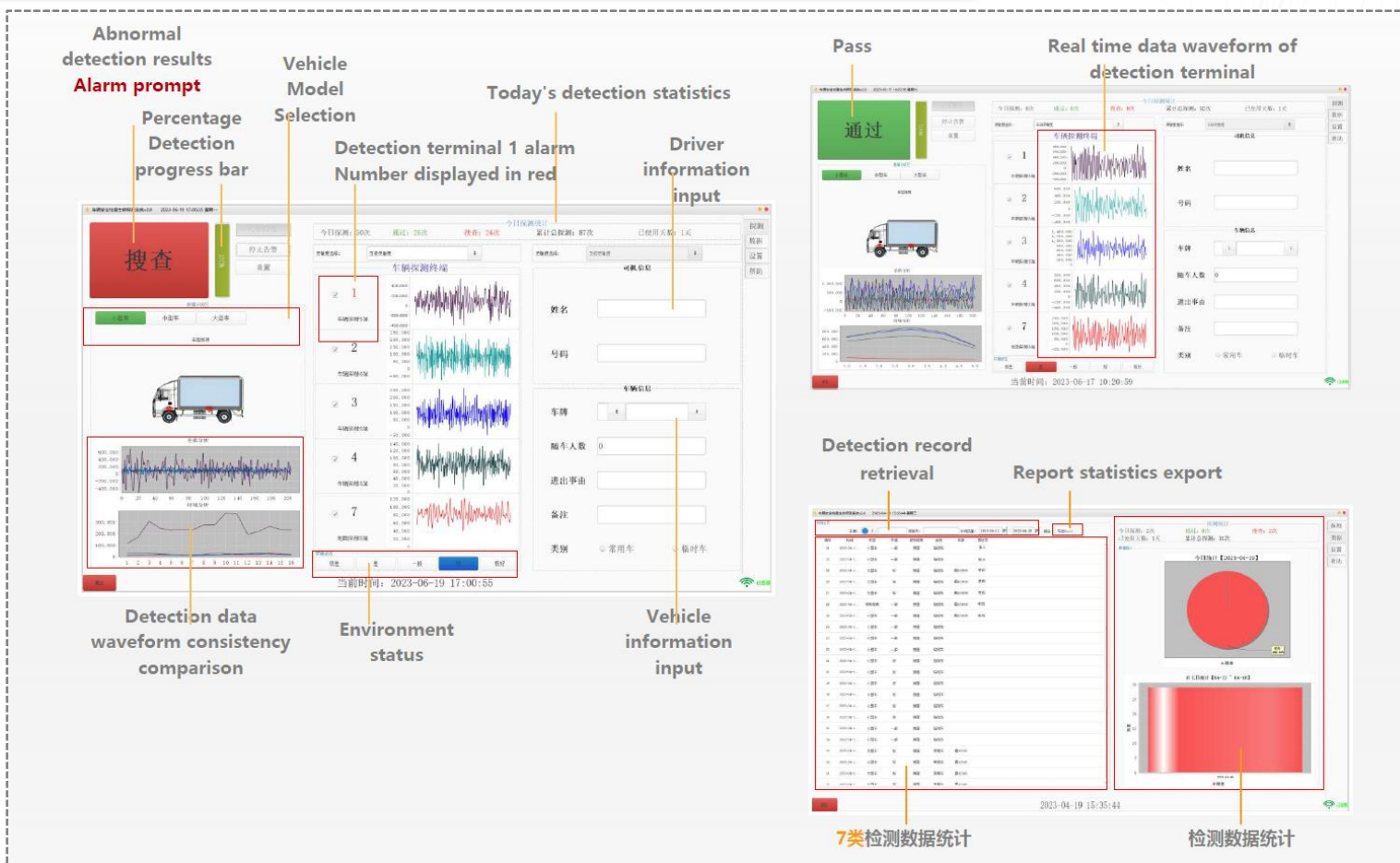
- Independent sensing chip
- Independent transmission chip
- Environmental signal collection
- Industrial plastic material



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SYSTEM INTERFACE



The screenshot displays the system interface with several key components labeled:

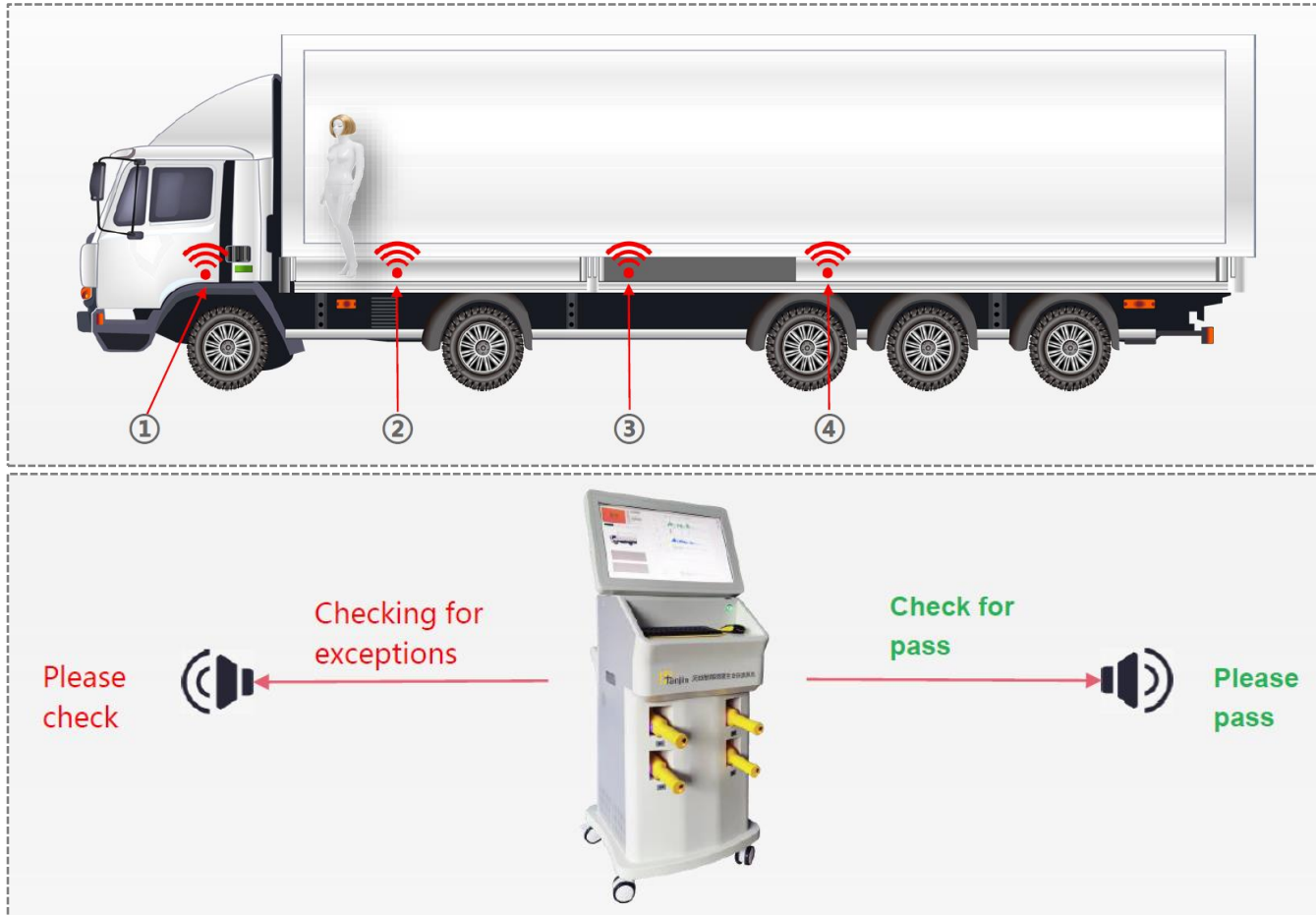
- Abnormal detection results Alarm prompt:** A red box highlights the search function and alarm status.
- Percentage Detection progress bar:** A green progress bar indicating the detection status.
- Vehicle Model Selection:** A section for selecting vehicle models, with a red box highlighting the 'Detection terminal 1 alarm Number displayed in red'.
- Today's detection statistics:** A section showing detection statistics for the day, with a red box highlighting the 'Driver information input' field.
- Detection data waveform consistency comparison:** A section showing waveform consistency comparison graphs.
- Environment status:** A section showing environment status information.
- Vehicle information input:** A section for inputting vehicle information, including name, number, and type.
- Pass:** A section showing a 'Pass' status with a green box.
- Real time data waveform of detection terminal:** A section showing real-time data waveforms for multiple terminals.
- Detection record retrieval:** A section showing a table of detection records.
- Report statistics export:** A section showing a report with a red circle and a bar chart.



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ALARM DISPLAY



Individual alarm:

- The No. 2 sensing terminal detects an abnormality, and the independent alarm displays red.
- No. 1, 3, 4 shows no abnormality and no alarm displays green.

All alarms:

- No abnormalities were detected on the sensing terminals 1, 2, 3, 4, and no alarms were displayed in green.

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SPECIFICATION

Parameter	Value
Industrial computer	3.10Ghz Intel i5 processor; 4GB memory; 256GB built-in storage
Display	19 inch high definition industrial capacitor display screen, touch screen convenient operation, wireless keyboard and mouse, fast input of information
Expansion interface	USB interface, RJ45 interface, power interface, etc.
Alarm sound	Adjustable; Volume is not less than 80dB (A)
Detection time	Can be adjusted according to the usage environment
System	The system automatically analyses the vital sign information detected by the sensing terminal, and performs waveform data analysis and real-time display
Design	Modular design of various components of the sensing terminal, top suction automatic adsorption, integrating magnetic charging and data transmission
Intelligent power charging	Intelligent wireless magnetic suction charging, intelligent battery monitoring, charging when weak, and disconnecting when fully charged



SPECIFICATION

Parameter	Value
Case material	Industrial plastic material host with built in temperature control unit to maintain operating environment and protect system circuits
Temperature Operation	-10°C to +55°C
Support testing of all vehicle models	Small sedans, medium-sized buses, and large cabinet cars
Alarm mode	Software interface warning sound and light alarm, voice broadcasting of detection results
Human computer interaction interface	Clear and clear, the operation process is simple and easy to learn with one click start and one click detection
Technology	Industrial grade wireless technology, dedicated data encryption technology, transmission security, and stable data reception
Intelligent Monitoring	Intelligent positioning monitoring, overall/zone alarm display, voice reminder to retrieve sensing terminals
External support	Support for expanding sensing terminals and connecting external displays
Configuration parameter	Handheld wireless vehicle sensing terminal*4 Wireless ground environment sensor terminal*1

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OPERATION PROCESS



FIRST STEP

Inspection equipment and vehicles to be inspected



SECOND STEP

Placing ground environment detection



THIRD STEP

Obtain vehicle detection terminals as needed and place them on the bottom of the vehicle for adsorption1 detection terminal adsorbed on the vehicle body at a required interval of 3 meters/1 detection terminal adsorbed separately on the front of the vehicle



FOURTH STEP

Operation detection software starts detection

- Select the corresponding vehicle model
- Click to start triggering detection



Detection Button Selection

Before testing:

- Vehicle stalling
- Driver getting off
- Turn off electronic devices such as audio system
- Turn off the power
- Close the car door

During inspection:

- Do not touch the vehicle and equipment detection terminals

Detection completed:

- Remove the detection terminal and recycle it to the device host
- Reset the host or proceed to the next round of testing

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OPERATION PROCESS – INSPECTION RESULT



Someone in the car – prompt for search (red warning)




Empty vehicle – detection passed (green warning)

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Our advance technology create the best solution designs that are built to last.
Working with us gives you a quick and straightforward road to safer, faster, and cost-efficient operation.

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